

November 05, 2019

Vista Work Order No. 1903419

Ms. Delaney Peterson
Anchor QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Dear Ms. Peterson,

Enclosed are the amended results for the sample set received at Vista Analytical Laboratory on October 01, 2019 under your Project Name 'Gasco PDI'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 1903419

Case Narrative

Sample Condition on Receipt:

One aqueous sample was received in good condition and within the method temperature requirements. The sample was received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The report was amended to report a selected list of chlorinated pesticides and to note that OPR recoveries for cis-Chlordane (alpha) and 2,4'-DDT were above criteria.

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-5MS 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 1668C

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

Holding Times

The method holding time criteria were met for this sample.

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.

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

EPA Method 1699

The sample was extracted and analyzed for a selected list of chlorinated pesticides by EPA Method 1699 using a ZB-50 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 limits in the Method Blank. The OPR recoveries for cis-Chlordane (alpha) and 2,4'-DDT were above acceptance criteria. The analytes were not detected in the sample. All other OPR recoveries were within the method acceptance criteria.

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

QC Anomalies

| LabNumber | SampleName | Analysis | Analyte | Flag | %Rec |
|-------------|-------------|------------------|-------------|------|------|
| B9J0089-BS1 | B9J0089-BS1 | EPA Method 1668C | 13C-PCB-155 | H | 26.2 |
| B9J0089-BS1 | B9J0089-BS1 | EPA Method 1668C | 13C-PCB-202 | H | 29.1 |
| B9J0089-BS1 | B9J0089-BS1 | EPA Method 1668C | 13C-PCB-209 | H | 30.6 |
| B9J0089-BS1 | B9J0089-BS1 | EPA Method 1668C | 13C-PCB-178 | H | 36.3 |

H = Recovery was outside laboratory acceptance criteria.

TABLE OF CONTENTS

| | |
|-------------------------------------|-----|
| Case Narrative..... | 1 |
| Table of Contents..... | 4 |
| Sample Inventory..... | 5 |
| Analytical Results..... | 6 |
| Qualifiers..... | 23 |
| Certifications..... | 24 |
| Sample Receipt..... | 27 |
| Extraction Information..... | 29 |
| Sample Data - EPA Method 1613..... | 44 |
| Sample Data - EPA Method 1668C..... | 89 |
| Sample Data - EPA Method 1699..... | 187 |
| Continuing Calibration..... | 243 |
| Initial Calibration..... | 396 |

Sample Inventory Report

| Vista Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|----------------------------|-----------------------------|-----------------|-----------------|--|
| 1903419-01 | RB-20190926140400 | 26-Sep-19 14:04 | 01-Oct-19 09:16 | Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L |

ANALYTICAL RESULTS

| Sample ID: Method Blank | | | | | EPA Method 1613B | | | |
|--|--------------|---|------|---|--|------|----------|------------|
| Matrix: Aqueous Sample Size: 1.00 L | | QC Batch: B9J0251 Date Extracted: 23-Oct-2019 7:01 | | Lab Sample: B9J0251-BLK1 Date Analyzed: 28-Oct-19 17:01 Column: ZB-5MS | | | | |
| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Labeled Standard | %R | LCL-UCL | Qualifiers |
| 2,3,7,8-TCDD | ND | 0.738 | | | IS 13C-2,3,7,8-TCDD | 90.3 | 25 - 164 | |
| 1,2,3,7,8-PeCDD | ND | 0.939 | | | 13C-1,2,3,7,8-PeCDD | 98.7 | 25 - 181 | |
| 1,2,3,4,7,8-HxCDD | ND | 1.05 | | | 13C-1,2,3,4,7,8-HxCDD | 94.8 | 32 - 141 | |
| 1,2,3,6,7,8-HxCDD | ND | 1.10 | | | 13C-1,2,3,6,7,8-HxCDD | 80.5 | 28 - 130 | |
| 1,2,3,7,8,9-HxCDD | ND | 1.19 | | | 13C-1,2,3,7,8,9-HxCDD | 84.6 | 32 - 141 | |
| 1,2,3,4,6,7,8-HpCDD | ND | 1.46 | | | 13C-1,2,3,4,6,7,8-HpCDD | 79.2 | 23 - 140 | |
| OCDD | ND | 2.68 | | | 13C-OCDD | 43.5 | 17 - 157 | |
| 2,3,7,8-TCDF | ND | 0.662 | | | 13C-2,3,7,8-TCDF | 86.8 | 24 - 169 | |
| 1,2,3,7,8-PeCDF | ND | 0.684 | | | 13C-1,2,3,7,8-PeCDF | 92.3 | 24 - 185 | |
| 2,3,4,7,8-PeCDF | ND | 0.642 | | | 13C-2,3,4,7,8-PeCDF | 90.5 | 21 - 178 | |
| 1,2,3,4,7,8-HxCDF | ND | 0.456 | | | 13C-1,2,3,4,7,8-HxCDF | 98.5 | 26 - 152 | |
| 1,2,3,6,7,8-HxCDF | ND | 0.471 | | | 13C-1,2,3,6,7,8-HxCDF | 90.5 | 26 - 123 | |
| 2,3,4,6,7,8-HxCDF | ND | 0.514 | | | 13C-2,3,4,6,7,8-HxCDF | 90.6 | 28 - 136 | |
| 1,2,3,7,8,9-HxCDF | ND | 0.590 | | | 13C-1,2,3,7,8,9-HxCDF | 95.6 | 29 - 147 | |
| 1,2,3,4,6,7,8-HpCDF | ND | 0.651 | | | 13C-1,2,3,4,6,7,8-HpCDF | 85.8 | 28 - 143 | |
| 1,2,3,4,7,8,9-HpCDF | ND | 0.564 | | | 13C-1,2,3,4,7,8,9-HpCDF | 92.5 | 26 - 138 | |
| OCDF | ND | 2.15 | | | 13C-OCDF | 53.9 | 17 - 157 | |
| | | | | | CRS 37Cl-2,3,7,8-TCDD | 96.1 | 35 - 197 | |
| | | | | | Toxic Equivalent Quotient (TEQ) Data (pg/L) | | | |
| | | | | | TEQMinWHO2005Dioxin 0.00 | | | |
| TOTALS | | | | | | | | |
| Total TCDD | ND | 0.738 | | | | | | |
| Total PeCDD | ND | 0.939 | | | | | | |
| Total HxCDD | ND | 1.12 | | | | | | |
| Total HpCDD | ND | 1.46 | | | | | | |
| Total TCDF | ND | 0.662 | | | | | | |
| Total PeCDF | ND | 0.663 | | | | | | |
| Total HxCDF | ND | 0.505 | | | | | | |
| Total HpCDF | ND | 0.610 | | | | | | |

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

| Sample ID: OPR | | | | | EPA Method 1613B | | |
|---------------------|----------------------------------|--------------------------------|----------------|----------|-------------------------|------|----------|
| Matrix: Aqueous | QC Batch: B9J0251 | Lab Sample: B9J0251-BS1 | | | | | |
| Sample Size: 1.00 L | Date Extracted: 23-Oct-2019 7:01 | Date Analyzed: 28-Oct-19 14:37 | Column: ZB-5MS | | | | |
| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits | Labeled Standard | %R | LCL-UCL |
| 2,3,7,8-TCDD | 227 | 200 | 114 | 67 - 158 | IS 13C-2,3,7,8-TCDD | 97.1 | 20 - 175 |
| 1,2,3,7,8-PeCDD | 1050 | 1000 | 105 | 70 - 142 | 13C-1,2,3,7,8-PeCDD | 102 | 21 - 227 |
| 1,2,3,4,7,8-HxCDD | 1060 | 1000 | 106 | 70 - 164 | 13C-1,2,3,4,7,8-HxCDD | 92.4 | 21 - 193 |
| 1,2,3,6,7,8-HxCDD | 1100 | 1000 | 110 | 76 - 134 | 13C-1,2,3,6,7,8-HxCDD | 80.7 | 25 - 163 |
| 1,2,3,7,8,9-HxCDD | 1050 | 1000 | 105 | 64 - 162 | 13C-1,2,3,7,8,9-HxCDD | 85.1 | 21 - 193 |
| 1,2,3,4,6,7,8-HpCDD | 1060 | 1000 | 106 | 70 - 140 | 13C-1,2,3,4,6,7,8-HpCDD | 89.3 | 26 - 166 |
| OCDD | 2160 | 2000 | 108 | 78 - 144 | 13C-OCDD | 71.5 | 13 - 199 |
| 2,3,7,8-TCDF | 210 | 200 | 105 | 75 - 158 | 13C-2,3,7,8-TCDF | 94.2 | 22 - 152 |
| 1,2,3,7,8-PeCDF | 1080 | 1000 | 108 | 80 - 134 | 13C-1,2,3,7,8-PeCDF | 92.8 | 21 - 192 |
| 2,3,4,7,8-PeCDF | 1040 | 1000 | 104 | 68 - 160 | 13C-2,3,4,7,8-PeCDF | 97.3 | 13 - 328 |
| 1,2,3,4,7,8-HxCDF | 1040 | 1000 | 104 | 72 - 134 | 13C-1,2,3,4,7,8-HxCDF | 96.3 | 19 - 202 |
| 1,2,3,6,7,8-HxCDF | 1040 | 1000 | 104 | 84 - 130 | 13C-1,2,3,6,7,8-HxCDF | 92.3 | 21 - 159 |
| 2,3,4,6,7,8-HxCDF | 1100 | 1000 | 110 | 70 - 156 | 13C-2,3,4,6,7,8-HxCDF | 90.7 | 22 - 176 |
| 1,2,3,7,8,9-HxCDF | 1050 | 1000 | 105 | 78 - 130 | 13C-1,2,3,7,8,9-HxCDF | 92.8 | 17 - 205 |
| 1,2,3,4,6,7,8-HpCDF | 1030 | 1000 | 103 | 82 - 122 | 13C-1,2,3,4,6,7,8-HpCDF | 96.1 | 21 - 158 |
| 1,2,3,4,7,8,9-HpCDF | 1010 | 1000 | 101 | 78 - 138 | 13C-1,2,3,4,7,8,9-HpCDF | 98.6 | 20 - 186 |
| OCDF | 2140 | 2000 | 107 | 63 - 170 | 13C-OCDF | 88.1 | 13 - 199 |
| | | | | | CRS 37Cl-2,3,7,8-TCDD | 102 | 31 - 191 |

LCL-UCL - Lower control limit - upper control limit

Sample ID: RB-20190926140400 **EPA Method 1613B**

| | | |
|-----------------------------------|---------------------|---|
| Client Data | Sample Data | Laboratory Data |
| Name: Anchor QEA, LLC | Matrix: Aqueous | Lab Sample: 1903419-01 Date Received: 01-Oct-2019 9:16 |
| Project: Gasco PDI | Sample Size: 1.02 L | QC Batch: B9J0251 Date Extracted: 23-Oct-2019 7:01 |
| Date Collected: 26-Sep-2019 14:04 | | Date Analyzed : 28-Oct-19 20:12 Column: ZB-5MS |

| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---------------------|--------------|-------|------|------------|-------------------------|------|----------|------------|
| 2,3,7,8-TCDD | ND | 0.820 | | | IS 13C-2,3,7,8-TCDD | 96.8 | 25 - 164 | |
| 1,2,3,7,8-PeCDD | ND | 0.817 | | | 13C-1,2,3,7,8-PeCDD | 99.0 | 25 - 181 | |
| 1,2,3,4,7,8-HxCDD | ND | 1.14 | | | 13C-1,2,3,4,7,8-HxCDD | 92.4 | 32 - 141 | |
| 1,2,3,6,7,8-HxCDD | ND | 1.27 | | | 13C-1,2,3,6,7,8-HxCDD | 79.5 | 28 - 130 | |
| 1,2,3,7,8,9-HxCDD | ND | 1.33 | | | 13C-1,2,3,7,8,9-HxCDD | 82.6 | 32 - 141 | |
| 1,2,3,4,6,7,8-HpCDD | ND | 1.19 | | | 13C-1,2,3,4,6,7,8-HpCDD | 84.0 | 23 - 140 | |
| OCDD | ND | 2.02 | | | 13C-OCDD | 62.7 | 17 - 157 | |
| 2,3,7,8-TCDF | ND | 0.543 | | | 13C-2,3,7,8-TCDF | 93.5 | 24 - 169 | |
| 1,2,3,7,8-PeCDF | ND | 0.660 | | | 13C-1,2,3,7,8-PeCDF | 91.7 | 24 - 185 | |
| 2,3,4,7,8-PeCDF | ND | 0.587 | | | 13C-2,3,4,7,8-PeCDF | 95.9 | 21 - 178 | |
| 1,2,3,4,7,8-HxCDF | ND | 0.423 | | | 13C-1,2,3,4,7,8-HxCDF | 96.3 | 26 - 152 | |
| 1,2,3,6,7,8-HxCDF | ND | 0.468 | | | 13C-1,2,3,6,7,8-HxCDF | 90.5 | 26 - 123 | |
| 2,3,4,6,7,8-HxCDF | ND | 0.468 | | | 13C-2,3,4,6,7,8-HxCDF | 92.3 | 28 - 136 | |
| 1,2,3,7,8,9-HxCDF | ND | 0.662 | | | 13C-1,2,3,7,8,9-HxCDF | 91.6 | 29 - 147 | |
| 1,2,3,4,6,7,8-HpCDF | ND | 0.637 | | | 13C-1,2,3,4,6,7,8-HpCDF | 96.0 | 28 - 143 | |
| 1,2,3,4,7,8,9-HpCDF | ND | 0.602 | | | 13C-1,2,3,4,7,8,9-HpCDF | 97.2 | 26 - 138 | |
| OCDF | ND | 2.35 | | | 13C-OCDF | 76.0 | 17 - 157 | |
| | | | | | CRS 37Cl-2,3,7,8-TCDD | 98.8 | 35 - 197 | |

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

TEQMinWHO2005Dioxin 0.00

| TOTALS | | |
|---------------|----|-------|
| Total TCDD | ND | 0.820 |
| Total PeCDD | ND | 0.817 |
| Total HxCDD | ND | 1.25 |
| Total HpCDD | ND | 1.19 |
| Total TCDF | ND | 0.543 |
| Total PeCDF | ND | 0.622 |
| Total HxCDF | ND | 0.499 |
| Total HpCDF | ND | 0.621 |

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

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

Sample ID: Method Blank

EPA Method 1668C

| | | |
|---------------------|----------------------------------|---|
| Matrix: Aqueous | QC Batch: B9J0089 | Lab Sample: B9J0089-BLK1 |
| Sample Size: 1.00 L | Date Extracted: 10-Oct-2019 5:33 | Date Analyzed: 11-Oct-19 21:56 Column: ZB-1 |

| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers |
|-----------------|--------------|-------|------|------------|----------------|--------------|-------|------|------------|
| PCB-1 | ND | 0.439 | | | PCB-44 | ND | 0.952 | | |
| PCB-2 | ND | 0.466 | | | PCB-45 | ND | 0.937 | | |
| PCB-3 | ND | 0.467 | | | PCB-46 | ND | 1.00 | | |
| PCB-4/10 | ND | 2.77 | | | PCB-47 | ND | 0.834 | | |
| PCB-5/8 | ND | 2.30 | | | PCB-48/75 | ND | 0.707 | | |
| PCB-6 | ND | 2.29 | | | PCB-50 | ND | 0.728 | | |
| PCB-7/9 | ND | 2.39 | | | PCB-51 | ND | 0.740 | | |
| PCB-11 | ND | 2.16 | | | PCB-52/69 | ND | 0.693 | | |
| PCB-12/13 | ND | 2.28 | | | PCB-53 | ND | 0.793 | | |
| PCB-14 | ND | 2.29 | | | PCB-54 | ND | 0.571 | | |
| PCB-15 | ND | 2.30 | | | PCB-55 | ND | 0.601 | | |
| PCB-16/32 | ND | 0.827 | | | PCB-56/60 | ND | 0.687 | | |
| PCB-17 | ND | 0.983 | | | PCB-57 | ND | 0.617 | | |
| PCB-18 | ND | 0.946 | | | PCB-58 | ND | 0.582 | | |
| PCB-19 | ND | 0.950 | | | PCB-61/70 | ND | 0.656 | | |
| PCB-20/21/33 | ND | 0.654 | | | PCB-62 | ND | 0.680 | | |
| PCB-22 | ND | 0.635 | | | PCB-63 | ND | 0.673 | | |
| PCB-23 | ND | 0.674 | | | PCB-65 | ND | 0.654 | | |
| PCB-24/27 | ND | 0.716 | | | PCB-66/76 | ND | 0.607 | | |
| PCB-25 | ND | 0.671 | | | PCB-67 | ND | 0.651 | | |
| PCB-26 | ND | 0.656 | | | PCB-68 | ND | 0.654 | | |
| PCB-28 | ND | 0.594 | | | PCB-73 | ND | 0.587 | | |
| PCB-29 | ND | 0.688 | | | PCB-74 | ND | 0.607 | | |
| PCB-30 | ND | 0.599 | | | PCB-77 | ND | 0.724 | | |
| PCB-31 | ND | 0.584 | | | PCB-78 | ND | 0.725 | | |
| PCB-34 | ND | 0.665 | | | PCB-79 | ND | 0.615 | | |
| PCB-35 | ND | 0.618 | | | PCB-80 | ND | 0.593 | | |
| PCB-36 | ND | 0.595 | | | PCB-81 | ND | 0.801 | | |
| PCB-37 | ND | 0.633 | | | PCB-82 | ND | 1.93 | | |
| PCB-38 | ND | 0.620 | | | PCB-83 | ND | 1.04 | | |
| PCB-39 | ND | 0.645 | | | PCB-84/92 | ND | 1.57 | | |
| PCB-40 | ND | 1.26 | | | PCB-85/116 | ND | 1.32 | | |
| PCB-41/64/71/72 | ND | 0.670 | | | PCB-86 | ND | 1.62 | | |
| PCB-42/59 | ND | 0.755 | | | PCB-87/117/125 | ND | 1.21 | | |
| PCB-43/49 | ND | 0.805 | | | PCB-88/91 | ND | 1.41 | | |

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

| | | |
|---------------------|----------------------------------|---|
| Matrix: Aqueous | QC Batch: B9J0089 | Lab Sample: B9J0089-BLK1 |
| Sample Size: 1.00 L | Date Extracted: 10-Oct-2019 5:33 | Date Analyzed: 11-Oct-19 21:56 Column: ZB-1 |

| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers |
|---------------|--------------|-------|------|------------|-----------------|--------------|-------|------|------------|
| PCB-89 | ND | 1.43 | | | PCB-137 | ND | 0.766 | | |
| PCB-90/101 | ND | 1.46 | | | PCB-138/163/164 | ND | 0.618 | | |
| PCB-93 | ND | 1.49 | | | PCB-139/149 | ND | 1.03 | | |
| PCB-94 | ND | 1.62 | | | PCB-140 | ND | 1.21 | | |
| PCB-95/98/102 | ND | 1.24 | | | PCB-141 | ND | 0.782 | | |
| PCB-96 | ND | 0.934 | | | PCB-142 | ND | 0.857 | | |
| PCB-97 | ND | 1.50 | | | PCB-144 | ND | 1.14 | | |
| PCB-99 | ND | 1.23 | | | PCB-145 | ND | 0.758 | | |
| PCB-100 | ND | 1.20 | | | PCB-146/165 | ND | 0.632 | | |
| PCB-103 | ND | 1.20 | | | PCB-147 | ND | 1.15 | | |
| PCB-104 | ND | 0.935 | | | PCB-148 | ND | 1.09 | | |
| PCB-105 | ND | 0.797 | | | PCB-150 | ND | 0.860 | | |
| PCB-106/118 | ND | 1.25 | | | PCB-151 | ND | 1.20 | | |
| PCB-107/109 | ND | 1.12 | | | PCB-152 | ND | 0.754 | | |
| PCB-108/112 | ND | 1.29 | | | PCB-153 | ND | 0.600 | | |
| PCB-110 | ND | 1.08 | | | PCB-154 | ND | 1.05 | | |
| PCB-111/115 | ND | 1.00 | | | PCB-155 | ND | 0.867 | | |
| PCB-113 | ND | 1.12 | | | PCB-156 | ND | 0.639 | | |
| PCB-114 | ND | 0.761 | | | PCB-157 | ND | 0.724 | | |
| PCB-119 | ND | 1.09 | | | PCB-158/160 | ND | 0.644 | | |
| PCB-120 | ND | 0.957 | | | PCB-159 | ND | 0.579 | | |
| PCB-121 | ND | 0.906 | | | PCB-166 | ND | 0.606 | | |
| PCB-122 | ND | 0.908 | | | PCB-167 | ND | 0.618 | | |
| PCB-123 | ND | 1.25 | | | PCB-168 | ND | 0.595 | | |
| PCB-124 | ND | 1.12 | | | PCB-169 | ND | 0.713 | | |
| PCB-126 | ND | 0.812 | | | PCB-170 | ND | 0.961 | | |
| PCB-127 | ND | 0.768 | | | PCB-171 | ND | 0.902 | | |
| PCB-128/162 | ND | 0.761 | | | PCB-172 | ND | 0.857 | | |
| PCB-129 | ND | 0.926 | | | PCB-173 | ND | 0.981 | | |
| PCB-130 | ND | 0.900 | | | PCB-174 | ND | 0.919 | | |
| PCB-131/133 | ND | 0.768 | | | PCB-175 | ND | 0.776 | | |
| PCB-132/161 | ND | 0.623 | | | PCB-176 | ND | 0.568 | | |
| PCB-134/143 | ND | 0.827 | | | PCB-177 | ND | 0.903 | | |
| PCB-135 | ND | 1.06 | | | PCB-178 | ND | 0.793 | | |
| PCB-136 | ND | 0.898 | | | PCB-179 | ND | 0.560 | | |

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

| | | |
|---------------------|----------------------------------|---|
| Matrix: Aqueous | QC Batch: B9J0089 | Lab Sample: B9J0089-BLK1 |
| Sample Size: 1.00 L | Date Extracted: 10-Oct-2019 5:33 | Date Analyzed: 11-Oct-19 21:56 Column: ZB-1 |

| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers |
|---------------|--------------|-------|------|------------|--------------|--------------|-------|------|------------|
| PCB-180 | ND | 0.849 | | | Total octaCB | ND | 1.09 | | |
| PCB-181 | ND | 0.792 | | | Total nonaCB | ND | 0.498 | | |
| PCB-182/187 | ND | 0.686 | | | DecaCB | ND | | 1.14 | |
| PCB-183 | ND | 0.689 | | | Total PCB | ND | | | |
| PCB-184 | ND | 0.565 | | | | | | | |
| PCB-185 | ND | 0.849 | | | | | | | |
| PCB-186 | ND | 0.541 | | | | | | | |
| PCB-188 | ND | 0.552 | | | | | | | |
| PCB-189 | ND | 0.647 | | | | | | | |
| PCB-190 | ND | 0.710 | | | | | | | |
| PCB-191 | ND | 0.712 | | | | | | | |
| PCB-192 | ND | 0.658 | | | | | | | |
| PCB-193 | ND | 0.728 | | | | | | | |
| PCB-194 | ND | 0.502 | | | | | | | |
| PCB-195 | ND | 0.562 | | | | | | | |
| PCB-196/203 | ND | 0.977 | | | | | | | |
| PCB-197 | ND | 0.783 | | | | | | | |
| PCB-198 | ND | 1.02 | | | | | | | |
| PCB-199 | ND | 1.09 | | | | | | | |
| PCB-200 | ND | 0.804 | | | | | | | |
| PCB-201 | ND | 0.838 | | | | | | | |
| PCB-202 | ND | 0.749 | | | | | | | |
| PCB-204 | ND | 0.783 | | | | | | | |
| PCB-205 | ND | 0.415 | | | | | | | |
| PCB-206 | ND | 0.498 | | | | | | | |
| PCB-207 | ND | 0.416 | | | | | | | |
| PCB-208 | ND | 0.406 | | | | | | | |
| PCB-209 | ND | | 1.14 | | | | | | |
| Total monoCB | ND | 0.467 | | | | | | | |
| Total diCB | ND | 2.77 | | | | | | | |
| Total triCB | ND | 0.983 | | | | | | | |
| Total tetraCB | ND | 1.26 | | | | | | | |
| Total pentaCB | ND | 1.93 | | | | | | | |
| Total hexaCB | ND | 1.21 | | | | | | | |
| Total heptaCB | ND | 0.981 | | | | | | | |

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: Method Blank

EPA Method 1668C

| | | |
|---------------------|----------------------------------|---|
| Matrix: Aqueous | QC Batch: B9J0089 | Lab Sample: B9J0089-BLK1 |
| Sample Size: 1.00 L | Date Extracted: 10-Oct-2019 5:33 | Date Analyzed: 11-Oct-19 21:56 Column: ZB-1 |

| Labeled Standard | %R | LCL-UCL | Qualifiers | Labeled Standard | %R | LCL-UCL | Qualifiers |
|------------------|------|----------|------------|------------------|------|----------|------------|
| IS 13C-PCB-1 | 41.8 | 5 - 145 | | 13C-PCB-157 | 56.3 | 10 - 145 | |
| 13C-PCB-3 | 41.8 | 5 - 145 | | 13C-PCB-159 | 59.4 | 10 - 145 | |
| 13C-PCB-4 | 54.2 | 5 - 145 | | 13C-PCB-167 | 58.5 | 10 - 145 | |
| 13C-PCB-11 | 57.4 | 5 - 145 | | 13C-PCB-169 | 53.6 | 10 - 145 | |
| 13C-PCB-9 | 54.3 | 5 - 145 | | 13C-PCB-170 | 54.3 | 10 - 145 | |
| 13C-PCB-19 | 40.5 | 5 - 145 | | 13C-PCB-180 | 54.2 | 10 - 145 | |
| 13C-PCB-28 | 48.9 | 5 - 145 | | 13C-PCB-188 | 60.2 | 10 - 145 | |
| 13C-PCB-32 | 40.2 | 5 - 145 | | 13C-PCB-189 | 53.3 | 10 - 145 | |
| 13C-PCB-37 | 55.1 | 5 - 145 | | 13C-PCB-194 | 58.3 | 10 - 145 | |
| 13C-PCB-47 | 56.6 | 5 - 145 | | 13C-PCB-202 | 34.7 | 10 - 145 | |
| 13C-PCB-52 | 58.4 | 5 - 145 | | 13C-PCB-206 | 50.7 | 10 - 145 | |
| 13C-PCB-54 | 58.5 | 5 - 145 | | 13C-PCB-208 | 50.8 | 10 - 145 | |
| 13C-PCB-70 | 57.9 | 5 - 145 | | 13C-PCB-209 | 41.2 | 10 - 145 | |
| 13C-PCB-77 | 54.9 | 10 - 145 | | CRS 13C-PCB-79 | 62.3 | 10 - 145 | |
| 13C-PCB-80 | 56.1 | 10 - 145 | | 13C-PCB-178 | 49.0 | 10 - 145 | |
| 13C-PCB-81 | 54.3 | 10 - 145 | | | | | |
| 13C-PCB-95 | 61.3 | 10 - 145 | | | | | |
| 13C-PCB-97 | 58.5 | 10 - 145 | | | | | |
| 13C-PCB-101 | 59.9 | 10 - 145 | | | | | |
| 13C-PCB-104 | 62.3 | 10 - 145 | | | | | |
| 13C-PCB-105 | 73.2 | 10 - 145 | | | | | |
| 13C-PCB-114 | 74.4 | 10 - 145 | | | | | |
| 13C-PCB-118 | 51.7 | 10 - 145 | | | | | |
| 13C-PCB-123 | 53.6 | 10 - 145 | | | | | |
| 13C-PCB-126 | 72.8 | 10 - 145 | | | | | |
| 13C-PCB-127 | 73.6 | 10 - 145 | | | | | |
| 13C-PCB-138 | 60.3 | 10 - 145 | | | | | |
| 13C-PCB-141 | 60.0 | 10 - 145 | | | | | |
| 13C-PCB-153 | 60.1 | 10 - 145 | | | | | |
| 13C-PCB-155 | 34.2 | 10 - 145 | | | | | |
| 13C-PCB-156 | 56.9 | 10 - 145 | | | | | |

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B9J0089
Date Extracted: 10-Oct-2019 5:33

Lab Sample: B9J0089-BS1
Date Analyzed: 11-Oct-19 18:49 Column: ZB-1

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits | Labeled Standard | %R | LCL-UCL |
|-------------|------------------|-----------|-----|----------|------------------|------|----------|
| PCB-1 | 1170 | 1000 | 117 | 60 - 135 | IS 13C-PCB-1 | 34.2 | 15 - 145 |
| PCB-3 | 1240 | 1000 | 124 | 60 - 135 | IS 13C-PCB-3 | 31.3 | 15 - 145 |
| PCB-4/10 | 2020 | 2000 | 101 | 60 - 135 | IS 13C-PCB-4 | 42.6 | 15 - 145 |
| PCB-15 | 1050 | 1000 | 105 | 60 - 135 | IS 13C-PCB-11 | 44.2 | 15 - 145 |
| PCB-19 | 1170 | 1000 | 117 | 60 - 135 | IS 13C-PCB-9 | 43.2 | 15 - 145 |
| PCB-37 | 1020 | 1000 | 102 | 60 - 135 | IS 13C-PCB-19 | 30.6 | 15 - 145 |
| PCB-54 | 1090 | 1000 | 109 | 60 - 135 | IS 13C-PCB-28 | 39.6 | 15 - 145 |
| PCB-77 | 1130 | 1000 | 113 | 60 - 135 | IS 13C-PCB-32 | 32.6 | 15 - 145 |
| PCB-81 | 1140 | 1000 | 114 | 60 - 135 | IS 13C-PCB-37 | 42.2 | 15 - 145 |
| PCB-104 | 1110 | 1000 | 111 | 60 - 135 | IS 13C-PCB-47 | 45.9 | 15 - 145 |
| PCB-105 | 1040 | 1000 | 104 | 60 - 135 | IS 13C-PCB-52 | 45.5 | 15 - 145 |
| PCB-106/118 | 2250 | 2000 | 113 | 60 - 135 | IS 13C-PCB-54 | 45.5 | 15 - 145 |
| PCB-114 | 1060 | 1000 | 106 | 60 - 135 | IS 13C-PCB-70 | 45.3 | 15 - 145 |
| PCB-123 | 1130 | 1000 | 113 | 60 - 135 | IS 13C-PCB-77 | 42.7 | 40 - 145 |
| PCB-126 | 1080 | 1000 | 108 | 60 - 135 | IS 13C-PCB-80 | 44.8 | 40 - 145 |
| PCB-155 | 1180 | 1000 | 118 | 60 - 135 | IS 13C-PCB-81 | 42.6 | 40 - 145 |
| PCB-156 | 1090 | 1000 | 109 | 60 - 135 | IS 13C-PCB-95 | 45.8 | 40 - 145 |
| PCB-157 | 1070 | 1000 | 107 | 60 - 135 | IS 13C-PCB-97 | 45.0 | 40 - 145 |
| PCB-167 | 1090 | 1000 | 109 | 60 - 135 | IS 13C-PCB-101 | 45.4 | 40 - 145 |
| PCB-169 | 1060 | 1000 | 106 | 60 - 135 | IS 13C-PCB-104 | 49.1 | 40 - 145 |
| PCB-188 | 1100 | 1000 | 110 | 60 - 135 | IS 13C-PCB-105 | 56.3 | 40 - 145 |
| PCB-189 | 1130 | 1000 | 113 | 60 - 135 | IS 13C-PCB-114 | 56.5 | 40 - 145 |
| PCB-202 | 1180 | 1000 | 118 | 60 - 135 | IS 13C-PCB-118 | 42.7 | 40 - 145 |
| PCB-204 | 1160 | 1000 | 116 | 60 - 135 | IS 13C-PCB-123 | 43.8 | 40 - 145 |
| PCB-205 | 1060 | 1000 | 106 | 60 - 135 | IS 13C-PCB-126 | 55.4 | 40 - 145 |
| PCB-206 | 1030 | 1000 | 103 | 60 - 135 | IS 13C-PCB-127 | 56.3 | 40 - 145 |
| PCB-207 | 1040 | 1000 | 104 | 60 - 135 | IS 13C-PCB-138 | 46.4 | 40 - 145 |
| PCB-208 | 1030 | 1000 | 103 | 60 - 135 | IS 13C-PCB-141 | 46.2 | 40 - 145 |
| PCB-209 | 1090 | 1000 | 109 | 60 - 135 | IS 13C-PCB-153 | 46.5 | 40 - 145 |
| | | | | | IS 13C-PCB-155 | 26.2 | 40 - 145 |
| | | | | | IS 13C-PCB-156 | 45.6 | 40 - 145 |
| | | | | | IS 13C-PCB-157 | 45.6 | 40 - 145 |
| | | | | | IS 13C-PCB-159 | 46.0 | 40 - 145 |
| | | | | | IS 13C-PCB-167 | 44.8 | 40 - 145 |
| | | | | | IS 13C-PCB-169 | 45.4 | 40 - 145 |
| | | | | | IS 13C-PCB-170 | 46.2 | 40 - 145 |
| | | | | | IS 13C-PCB-180 | 46.3 | 40 - 145 |
| | | | | | IS 13C-PCB-188 | 47.7 | 40 - 145 |
| | | | | | IS 13C-PCB-189 | 45.8 | 40 - 145 |
| | | | | | IS 13C-PCB-194 | 47.1 | 40 - 145 |

Sample ID: OPR

EPA Method 1668C

Matrix: Aqueous
Sample Size: 1.00 L

QC Batch: B9J0089
Date Extracted: 10-Oct-2019 5:33

Lab Sample: B9J0089-BS1
Date Analyzed: 11-Oct-19 18:49 Column: ZB-1

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits | Labeled Standard | %R | LCL-UCL |
|---------|------------------|-----------|----|--------|------------------|------|----------|
| | | | | | IS 13C-PCB-202 | 29.1 | 40 - 145 |
| | | | | | IS 13C-PCB-206 | 40.6 | 40 - 145 |
| | | | | | IS 13C-PCB-208 | 40.0 | 40 - 145 |
| | | | | | IS 13C-PCB-209 | 30.6 | 40 - 145 |
| | | | | | CRS 13C-PCB-79 | 46.3 | 40 - 145 |
| | | | | | CRS 13C-PCB-178 | 36.3 | 40 - 145 |

LCL-UCL - Lower control limit - upper control limit

Sample ID: RB-20190926140400

EPA Method 1668C

| | | | | | |
|--------------------|-------------------|--------------------|---------|------------------------|------------------------------|
| Client Data | | Sample Data | | Laboratory Data | |
| Name: | Anchor QEA, LLC | Matrix: | Aqueous | Lab Sample: | 1903419-01 |
| Project: | Gasco PDI | Sample Size: | 0.993 L | Date Received: | 01-Oct-2019 9:16 |
| Date Collected: | 26-Sep-2019 14:04 | | | QC Batch: | B9J0089 |
| | | | | Date Analyzed : | 13-Oct-19 05:28 Column: ZB-1 |
| | | | | Date Extracted: | 10-Oct-2019 5:33 |

| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers |
|-----------------|--------------|-------|------|------------|----------------|--------------|-------|------|------------|
| PCB-1 | ND | 0.486 | | | PCB-44 | ND | 0.590 | | |
| PCB-2 | ND | 0.510 | | | PCB-45 | ND | 0.584 | | |
| PCB-3 | ND | 0.511 | | | PCB-46 | ND | 0.626 | | |
| PCB-4/10 | ND | 2.54 | | | PCB-47 | ND | | 5.89 | |
| PCB-5/8 | ND | 2.06 | | | PCB-48/75 | ND | 0.438 | | |
| PCB-6 | ND | 2.04 | | | PCB-50 | ND | 0.486 | | |
| PCB-7/9 | ND | 2.13 | | | PCB-51 | ND | 0.461 | | |
| PCB-11 | ND | 2.03 | | | PCB-52/69 | ND | | 1.45 | |
| PCB-12/13 | ND | 2.14 | | | PCB-53 | ND | 0.494 | | |
| PCB-14 | ND | 2.15 | | | PCB-54 | ND | 0.381 | | |
| PCB-15 | ND | 2.16 | | | PCB-55 | ND | 0.377 | | |
| PCB-16/32 | ND | 0.510 | | | PCB-56/60 | ND | 0.431 | | |
| PCB-17 | ND | 0.606 | | | PCB-57 | ND | 0.381 | | |
| PCB-18 | 1.86 | | | J | PCB-58 | ND | 0.359 | | |
| PCB-19 | ND | 0.635 | | | PCB-61/70 | 1.46 | | | J |
| PCB-20/21/33 | ND | 0.584 | | | PCB-62 | ND | 0.421 | | |
| PCB-22 | ND | 0.567 | | | PCB-63 | ND | 0.415 | | |
| PCB-23 | ND | 0.601 | | | PCB-65 | ND | 0.405 | | |
| PCB-24/27 | ND | 0.442 | | | PCB-66/76 | ND | 0.374 | | |
| PCB-25 | ND | 0.599 | | | PCB-67 | ND | 0.402 | | |
| PCB-26 | ND | 0.585 | | | PCB-68 | ND | 0.405 | | |
| PCB-28 | 2.45 | | | J | PCB-73 | ND | 0.366 | | |
| PCB-29 | ND | 0.614 | | | PCB-74 | ND | 0.374 | | |
| PCB-30 | ND | 0.401 | | | PCB-77 | ND | 0.405 | | |
| PCB-31 | ND | | 1.60 | | PCB-78 | ND | 0.401 | | |
| PCB-34 | ND | 0.593 | | | PCB-79 | ND | 0.386 | | |
| PCB-35 | ND | 0.581 | | | PCB-80 | ND | 0.372 | | |
| PCB-36 | ND | 0.559 | | | PCB-81 | ND | 0.444 | | |
| PCB-37 | ND | 0.594 | | | PCB-82 | ND | 1.03 | | |
| PCB-38 | ND | 0.583 | | | PCB-83 | ND | 0.617 | | |
| PCB-39 | ND | 0.606 | | | PCB-84/92 | ND | 0.927 | | |
| PCB-40 | ND | 0.778 | | | PCB-85/116 | ND | 0.785 | | |
| PCB-41/64/71/72 | ND | 0.415 | | | PCB-86 | ND | 0.958 | | |
| PCB-42/59 | ND | 0.467 | | | PCB-87/117/125 | ND | 0.716 | | |
| PCB-43/49 | ND | 0.502 | | | PCB-88/91 | ND | 0.894 | | |

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: RB-20190926140400

EPA Method 1668C

| Client Data | | Sample Data | | Laboratory Data | | | |
|-----------------|-------------------|--------------|---------|-----------------|-----------------|-----------------|------------------|
| Name: | Anchor QEA, LLC | Matrix: | Aqueous | Lab Sample: | 1903419-01 | Date Received: | 01-Oct-2019 9:16 |
| Project: | Gasco PDI | Sample Size: | 0.993 L | QC Batch: | B9J0089 | Date Extracted: | 10-Oct-2019 5:33 |
| Date Collected: | 26-Sep-2019 14:04 | | | Date Analyzed : | 13-Oct-19 05:28 | Column: | ZB-1 |

| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers |
|---------------|--------------|-------|------|------------|-----------------|--------------|-------|-------|------------|
| PCB-89 | ND | 0.849 | | | PCB-137 | ND | 0.640 | | |
| PCB-90/101 | ND | 0.863 | | | PCB-138/163/164 | ND | 0.501 | | |
| PCB-93 | ND | 0.945 | | | PCB-139/149 | ND | 0.531 | | |
| PCB-94 | ND | 1.03 | | | PCB-140 | ND | 0.625 | | |
| PCB-95/98/102 | ND | 0.783 | | | PCB-141 | ND | 0.653 | | |
| PCB-96 | ND | 0.632 | | | PCB-142 | ND | 0.750 | | |
| PCB-97 | ND | 0.887 | | | PCB-144 | ND | 0.588 | | |
| PCB-99 | ND | 0.728 | | | PCB-145 | ND | 0.392 | | |
| PCB-100 | ND | 0.809 | | | PCB-146/165 | ND | 0.553 | | |
| PCB-103 | ND | 0.812 | | | PCB-147 | ND | 0.593 | | |
| PCB-104 | ND | 0.632 | | | PCB-148 | ND | 0.566 | | |
| PCB-105 | ND | 0.757 | | | PCB-150 | ND | 0.445 | | |
| PCB-106/118 | ND | 0.626 | | | PCB-151 | ND | 0.620 | | |
| PCB-107/109 | ND | 0.598 | | | PCB-152 | ND | 0.390 | | |
| PCB-108/112 | ND | 0.764 | | | PCB-153 | ND | | 0.924 | |
| PCB-110 | ND | 0.642 | | | PCB-154 | ND | 0.542 | | |
| PCB-111/115 | ND | 0.596 | | | PCB-155 | ND | 0.449 | | |
| PCB-113 | ND | 0.662 | | | PCB-156 | ND | 0.499 | | |
| PCB-114 | ND | 0.731 | | | PCB-157 | ND | 0.543 | | |
| PCB-119 | ND | 0.648 | | | PCB-158/160 | ND | 0.521 | | |
| PCB-120 | ND | 0.568 | | | PCB-159 | ND | 0.485 | | |
| PCB-121 | ND | 0.574 | | | PCB-166 | ND | 0.507 | | |
| PCB-122 | ND | 0.873 | | | PCB-167 | ND | 0.497 | | |
| PCB-123 | ND | 0.670 | | | PCB-168 | ND | 0.521 | | |
| PCB-124 | ND | 0.599 | | | PCB-169 | ND | 0.500 | | |
| PCB-126 | ND | 0.770 | | | PCB-170 | ND | 0.539 | | |
| PCB-127 | ND | 0.695 | | | PCB-171 | ND | 0.507 | | |
| PCB-128/162 | ND | 0.638 | | | PCB-172 | ND | 0.482 | | |
| PCB-129 | ND | 0.750 | | | PCB-173 | ND | 0.551 | | |
| PCB-130 | ND | 0.752 | | | PCB-174 | ND | 0.517 | | |
| PCB-131/133 | ND | 0.672 | | | PCB-175 | ND | 0.504 | | |
| PCB-132/161 | ND | 0.545 | | | PCB-176 | ND | 0.369 | | |
| PCB-134/143 | ND | 0.724 | | | PCB-177 | ND | 0.507 | | |
| PCB-135 | ND | 0.548 | | | PCB-178 | ND | 0.515 | | |
| PCB-136 | ND | 0.465 | | | PCB-179 | ND | 0.364 | | |

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: RB-20190926140400

EPA Method 1668C

| | | | | | |
|--------------------|-------------------|--------------------|---------|------------------------|------------------------------|
| Client Data | | Sample Data | | Laboratory Data | |
| Name: | Anchor QEA, LLC | Matrix: | Aqueous | Lab Sample: | 1903419-01 |
| Project: | Gasco PDI | Sample Size: | 0.993 L | Date Received: | 01-Oct-2019 9:16 |
| Date Collected: | 26-Sep-2019 14:04 | | | QC Batch: | B9J0089 |
| | | | | Date Analyzed : | 13-Oct-19 05:28 Column: ZB-1 |
| | | | | Date Extracted: | 10-Oct-2019 5:33 |

| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers |
|---------------|--------------|-------|-------|------------|--------------|--------------|-------|-------|------------|
| PCB-180 | ND | 0.477 | | | Total octaCB | ND | | 0.465 | |
| PCB-181 | ND | 0.445 | | | Total nonaCB | ND | 0.235 | | |
| PCB-182/187 | ND | 0.445 | | | DecaCB | ND | 0.270 | | |
| PCB-183 | ND | 0.447 | | | Total PCB | 5.78 | | | |
| PCB-184 | ND | 0.366 | | | | | | | |
| PCB-185 | ND | 0.477 | | | | | | | |
| PCB-186 | ND | 0.351 | | | | | | | |
| PCB-188 | ND | 0.358 | | | | | | | |
| PCB-189 | ND | 0.348 | | | | | | | |
| PCB-190 | ND | 0.399 | | | | | | | |
| PCB-191 | ND | 0.400 | | | | | | | |
| PCB-192 | ND | 0.370 | | | | | | | |
| PCB-193 | ND | 0.409 | | | | | | | |
| PCB-194 | ND | | 0.465 | | | | | | |
| PCB-195 | ND | 0.369 | | | | | | | |
| PCB-196/203 | ND | 0.305 | | | | | | | |
| PCB-197 | ND | 0.245 | | | | | | | |
| PCB-198 | ND | 0.320 | | | | | | | |
| PCB-199 | ND | 0.340 | | | | | | | |
| PCB-200 | ND | 0.251 | | | | | | | |
| PCB-201 | ND | 0.262 | | | | | | | |
| PCB-202 | ND | 0.234 | | | | | | | |
| PCB-204 | ND | 0.245 | | | | | | | |
| PCB-205 | ND | 0.272 | | | | | | | |
| PCB-206 | ND | 0.235 | | | | | | | |
| PCB-207 | ND | 0.214 | | | | | | | |
| PCB-208 | ND | 0.208 | | | | | | | |
| PCB-209 | ND | 0.270 | | | | | | | |
| Total monoCB | ND | 0.511 | | | | | | | |
| Total diCB | ND | 2.54 | | | | | | | |
| Total triCB | 4.32 | | 5.92 | | | | | | |
| Total tetraCB | 1.46 | | 8.81 | | | | | | |
| Total pentaCB | ND | 1.03 | | | | | | | |
| Total hexaCB | ND | | 0.924 | | | | | | |
| Total heptaCB | ND | 0.539 | | | | | | | |

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

Sample ID: RB-20190926140400

EPA Method 1668C

| | | | | | |
|--------------------|-------------------|--------------------|---------|------------------------|------------------------------|
| Client Data | | Sample Data | | Laboratory Data | |
| Name: | Anchor QEA, LLC | Matrix: | Aqueous | Lab Sample: | 1903419-01 |
| Project: | Gasco PDI | Sample Size: | 0.993 L | Date Received: | 01-Oct-2019 9:16 |
| Date Collected: | 26-Sep-2019 14:04 | | | QC Batch: | B9J0089 |
| | | | | Date Analyzed : | 13-Oct-19 05:28 Column: ZB-1 |
| | | | | Date Extracted: | 10-Oct-2019 5:33 |

| Labeled Standard | %R | LCL-UCL | Qualifiers | Labeled Standard | %R | LCL-UCL | Qualifiers |
|------------------|------|---------|------------|------------------|------|---------|------------|
| IS 13C-PCB-1 | 42.5 | 5 -145 | | 13C-PCB-170 | 50.7 | 10 -145 | |
| 13C-PCB-3 | 43.6 | 5 -145 | | 13C-PCB-180 | 49.8 | 10 -145 | |
| 13C-PCB-4 | 44.6 | 5 -145 | | 13C-PCB-188 | 45.9 | 10 -145 | |
| 13C-PCB-11 | 45.4 | 5 -145 | | 13C-PCB-189 | 51.5 | 10 -145 | |
| 13C-PCB-9 | 44.1 | 5 -145 | | 13C-PCB-194 | 46.2 | 10 -145 | |
| 13C-PCB-19 | 49.7 | 5 -145 | | 13C-PCB-202 | 51.4 | 10 -145 | |
| 13C-PCB-28 | 39.3 | 5 -145 | | 13C-PCB-206 | 55.0 | 10 -145 | |
| 13C-PCB-32 | 51.5 | 5 -145 | | 13C-PCB-208 | 49.4 | 10 -145 | |
| 13C-PCB-37 | 44.9 | 5 -145 | | 13C-PCB-209 | 56.1 | 10 -145 | |
| 13C-PCB-47 | 44.8 | 5 -145 | | CRS 13C-PCB-79 | 47.7 | 10 -145 | |
| 13C-PCB-52 | 44.3 | 5 -145 | | 13C-PCB-178 | 55.5 | 10 -145 | |
| 13C-PCB-54 | 43.2 | 5 -145 | | | | | |
| 13C-PCB-70 | 45.4 | 5 -145 | | | | | |
| 13C-PCB-77 | 47.6 | 10 -145 | | | | | |
| 13C-PCB-80 | 45.1 | 10 -145 | | | | | |
| 13C-PCB-81 | 46.1 | 10 -145 | | | | | |
| 13C-PCB-95 | 46.0 | 10 -145 | | | | | |
| 13C-PCB-97 | 46.8 | 10 -145 | | | | | |
| 13C-PCB-101 | 46.2 | 10 -145 | | | | | |
| 13C-PCB-104 | 44.5 | 10 -145 | | | | | |
| 13C-PCB-105 | 36.4 | 10 -145 | | | | | |
| 13C-PCB-114 | 36.0 | 10 -145 | | | | | |
| 13C-PCB-118 | 48.8 | 10 -145 | | | | | |
| 13C-PCB-123 | 49.9 | 10 -145 | | | | | |
| 13C-PCB-126 | 36.6 | 10 -145 | | | | | |
| 13C-PCB-127 | 37.7 | 10 -145 | | | | | |
| 13C-PCB-138 | 46.2 | 10 -145 | | | | | |
| 13C-PCB-141 | 45.1 | 10 -145 | | | | | |
| 13C-PCB-153 | 44.0 | 10 -145 | | | | | |
| 13C-PCB-155 | 47.2 | 10 -145 | | | | | |
| 13C-PCB-156 | 45.4 | 10 -145 | | | | | |
| 13C-PCB-157 | 46.3 | 10 -145 | | | | | |
| 13C-PCB-159 | 44.9 | 10 -145 | | | | | |
| 13C-PCB-167 | 45.7 | 10 -145 | | | | | |
| 13C-PCB-169 | 47.6 | 10 -145 | | | | | |

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

See individual congeners for qualifiers.

| Sample ID: Method Blank | | | | | EPA Method 1699 | | | |
|-------------------------|--------------|----------------------------------|------|------------|--|------|----------|------------|
| Matrix: Aqueous | | QC Batch: B9J0021 | | | Lab Sample: B9J0021-BLK1 | | | |
| Sample Size: 1.00 L | | Date Extracted: 03-Oct-2019 5:37 | | | Date Analyzed: 21-Oct-19 23:46 Column: ZB-50 | | | |
| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Labeled Standard | %R | LCL-UCL | Qualifiers |
| Lindane (gamma-BHC) | ND | 3.26 | | | IS 13C6-Lindane (gamma-BHC) | 89.3 | 11 - 120 | |
| Aldrin | ND | 0.985 | | | IS 13C12-Aldrin | 89.1 | 5 - 120 | |
| Oxychlordane | ND | 3.21 | | | IS 13C10-Oxychlordane | 93.2 | 23 - 135 | |
| trans-Chlordane (gamma) | ND | 2.76 | | | IS 13C10-trans-Chlordane (gamma) | 85.7 | 21 - 132 | |
| trans-Nonachlor | ND | 2.83 | | | IS 13C10-trans-Nonachlor | 82.5 | 14 - 136 | |
| cis-Chlordane (alpha) | ND | 2.84 | | | IS 13C12-2,4'-DDE | 96.4 | 47 - 160 | |
| 2,4'-DDE | ND | 1.87 | | | IS 13C12-4,4'-DDE | 91.7 | 47 - 160 | |
| 4,4'-DDE | ND | 2.47 | | | IS 13C12-Dieldrin | 91.4 | 40 - 151 | |
| Dieldrin | ND | 2.48 | | | IS 13C10-cis-Nonachlor | 85.4 | 36 - 139 | |
| cis-Nonachlor | ND | 4.27 | | | IS 13C12-2,4'-DDD | 93.6 | 5 - 199 | |
| 2,4'-DDD | ND | 4.21 | | | IS 13C12-2,4'-DDT | 93.6 | 5 - 199 | |
| 2,4'-DDT | ND | 6.53 | | | IS 13C12-4,4'-DDD | 95.7 | 5 - 120 | |
| 4,4'-DDD | ND | 4.19 | | | IS 13C12-4,4'-DDT | 101 | 5 - 120 | |
| 4,4'-DDT | ND | 6.44 | | | | | | |
| Total Chlordane | ND | 4.27 | | | | | | |
| Total DDD/DDE/DDT | ND | 6.53 | | | | | | |

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

| Sample ID: OPR | | | | | EPA Method 1699 | | |
|-------------------------|----------------------------------|-----------|--|----------|----------------------------------|------|----------|
| Matrix: Aqueous | QC Batch: B9J0021 | | Lab Sample: B9J0021-BS1 | | | | |
| Sample Size: 1.00 L | Date Extracted: 03-Oct-2019 5:37 | | Date Analyzed: 17-Oct-19 21:22 Column: ZB-50 | | | | |
| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits | Labeled Standard | %R | LCL-UCL |
| Lindane (gamma-BHC) | 1120 | 1000 | 112 | 50 - 120 | IS 13C6-Lindane (gamma-BHC) | 91.4 | 5 - 124 |
| Aldrin | 1150 | 1000 | 115 | 50 - 120 | IS 13C12-Aldrin | 68.9 | 5 - 126 |
| Oxychlordane | 1160 | 1000 | 116 | 50 - 120 | IS 13C10-Oxychlordane | 70.9 | 5 - 144 |
| trans-Chlordane (gamma) | 1170 | 1000 | 117 | 50 - 120 | IS 13C10-trans-Chlordane (gamma) | 71.8 | 15 - 144 |
| trans-Nonachlor | 1150 | 1000 | 115 | 50 - 120 | IS 13C10-trans-Nonachlor | 74.4 | 13 - 149 |
| cis-Chlordane (alpha) | 1210 | 1000 | 121 | 50 - 120 | IS 13C12-2,4'-DDE | 86.3 | 26 - 169 |
| 2,4'-DDE | 1150 | 1000 | 115 | 24 - 123 | IS 13C12-4,4'-DDE | 80.1 | 26 - 169 |
| 4,4'-DDE | 1140 | 1000 | 114 | 50 - 120 | IS 13C12-Dieldrin | 85.0 | 19 - 161 |
| Dieldrin | 1130 | 1000 | 113 | 50 - 120 | IS 13C10-cis-Nonachlor | 81.7 | 17 - 154 |
| cis-Nonachlor | 1120 | 1000 | 112 | 50 - 120 | IS 13C12-2,4'-DDD | 82.9 | 14 - 200 |
| 2,4'-DDD | 1130 | 1000 | 113 | 50 - 120 | IS 13C12-2,4'-DDT | 118 | 14 - 200 |
| 2,4'-DDT | 1230 | 1000 | 123 | 50 - 120 | IS 13C12-4,4'-DDD | 79.9 | 14 - 200 |
| 4,4'-DDD | 1150 | 1000 | 115 | 42 - 120 | IS 13C12-4,4'-DDT | 146 | 13 - 200 |
| 4,4'-DDT | 1060 | 1000 | 106 | 50 - 120 | | | |

LCL-UCL - Lower control limit - upper control limit

Sample ID: RB-20190926140400**EPA Method 1699**

| Client Data | | Sample Data | | Laboratory Data | |
|-----------------|-------------------|--------------|---------|-----------------|-------------------------------|
| Name: | Anchor QEA, LLC | Matrix: | Aqueous | Lab Sample: | 1903419-01 |
| Project: | Gasco PDI | Sample Size: | 0.997 L | QC Batch: | B9J0021 |
| Date Collected: | 26-Sep-2019 14:04 | | | Date Received: | 01-Oct-2019 9:16 |
| | | | | Date Extracted: | 03-Oct-2019 5:37 |
| | | | | Date Analyzed: | 22-Oct-19 01:25 Column: ZB-50 |

| Analyte | Conc. (pg/L) | DL | EMPC | Qualifiers | Labeled Standard | %R | LCL-UCL | Qualifiers |
|-------------------------|--------------|------|------|------------|----------------------------------|------|----------|------------|
| Lindane (gamma-BHC) | ND | 3.99 | | | IS 13C6-Lindane (gamma-BHC) | 83.5 | 11 - 120 | |
| Aldrin | ND | 1.21 | | | IS 13C12-Aldrin | 93.4 | 5 - 120 | |
| Oxychlordan | ND | 3.83 | | | IS 13C10-Oxychlordan | 98.0 | 23 - 135 | |
| trans-Chlordane (gamma) | ND | 3.56 | | | IS 13C10-trans-Chlordane (gamma) | 92.9 | 21 - 132 | |
| trans-Nonachlor | ND | 3.30 | | | IS 13C10-trans-Nonachlor | 94.5 | 14 - 136 | |
| cis-Chlordane (alpha) | ND | 3.32 | | | IS 13C12-2,4'-DDE | 108 | 47 - 160 | |
| 2,4'-DDE | ND | 2.35 | | | IS 13C12-4,4'-DDE | 100 | 47 - 160 | |
| 4,4'-DDE | ND | 3.36 | | | IS 13C12-Dieldrin | 93.2 | 40 - 151 | |
| Dieldrin | ND | 3.06 | | | IS 13C10-cis-Nonachlor | 90.4 | 36 - 139 | |
| cis-Nonachlor | ND | 4.49 | | | IS 13C12-2,4'-DDD | 100 | 5 - 199 | |
| 2,4'-DDD | ND | 5.43 | | | IS 13C12-2,4'-DDT | 97.8 | 5 - 199 | |
| 2,4'-DDT | ND | 8.07 | | | IS 13C12-4,4'-DDD | 100 | 5 - 120 | |
| 4,4'-DDD | ND | 5.98 | | | IS 13C12-4,4'-DDT | 108 | 5 - 120 | |
| 4,4'-DDT | ND | 8.77 | | | | | | |
| Total Chlordane | ND | 4.49 | | | | | | |
| Total DDD/DDE/DDT | ND | 8.77 | | | | | | |

DL - Sample specific estimated detection limit

LCL-UCL - Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

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

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

Vista Analytical Laboratory Certifications

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

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

NELAP Accredited Test Methods

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

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

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

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

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

1903419 0.9°C

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

Project: Gasco PDI
Client: NW Natural

COC ID: VISTA-20190926-144341
Sample Custodian: dep
Lab: VISTA

| COC Sample Number | Field Sample ID | Sample Type | Matrix | Collected | | Containers # | Lab QC* | Test Request | Method | TAT** | Preservative |
|-------------------|-------------------|-------------|--------|------------|-------|--------------|--------------------------|---------------|---------|-------|--------------|
| | | | | Date | Time | | | | | | |
| 001 | RB-20190926140400 | RB | SQ | 09/26/2019 | 14:04 | 6 | <input type="checkbox"/> | | | | |
| | | | | | | | | Dioxin/Furans | E1613B | 30 | 4°C |
| | | | | | | | | HR Pesticides | SW8081B | 30 | 4°C |
| | | | | | | | | PCB Congeners | E1668A | 30 | 4°C |

| Comment: | | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Relinquished By: | Received By: | Relinquished By: | Received By: | Relinquished By: | Received By: |
| Signature <i>[Signature]</i> | Signature <i>[Signature]</i> | Signature <i>[Signature]</i> | Signature <i>[Signature]</i> | Signature <i>[Signature]</i> | Signature <i>[Signature]</i> |
| Print Name D. Peterson | Print Name Eli Joynd | Print Name Sully | Print Name Seth Johnson | Print Name | Print Name |
| Company AQP | Company APEX LABS | Company Apex labs | Company VAL | Company | Company |
| Date/Time 9.27.19 1000 | Date/Time 9-27-19 1025 | Date/Time 9/30/19 1330 | Date/Time 10/11/19 0916 | Date/Time | Date/Time |

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

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1903419

TAT 28 days

| | | | |
|-----------------------------------|---|--|---|
| Samples Arrival: | Date/Time <u>10/1/19 09:16</u> | Initials: <u>SLJ</u> | Location: <u>WR-2</u> |
| | | | Shelf/Rack: <u>N/A</u> |
| Logged In: | Date/Time <u>10/01/19 1440</u> | Initials: <u>AF</u> | Location: <u>WR-2</u> |
| | | | Shelf/Rack: <u>C2</u> |
| Delivered By: | <input checked="" type="checkbox"/> FedEx | <input type="checkbox"/> UPS | <input type="checkbox"/> On Trac |
| | <input type="checkbox"/> GSO | <input type="checkbox"/> DHL | <input type="checkbox"/> Hand Delivered |
| | <input type="checkbox"/> Other | | |
| Preservation: | <input checked="" type="checkbox"/> Ice | <input checked="" type="checkbox"/> Blue Ice | <input type="checkbox"/> Dry Ice |
| | <input type="checkbox"/> None | | |
| Temp °C: <u>0.9</u> (uncorrected) | Probe used: Y / <input checked="" type="checkbox"/> N | | Thermometer ID: <u>IR-4</u> |
| Temp °C: <u>0.9</u> (corrected) | | | |

| | YES | NO | NA |
|--|--|--|--|
| Adequate Sample Volume Received? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Holding Time Acceptable? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Shipping Container(s) Intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Shipping Custody Seals Intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Shipping Documentation Present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Airbill <u>641</u> Trk # <u>7763 9094 3773</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample Container Intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample Custody Seals Intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Chain of Custody / Sample Documentation Present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| COC Anomaly/Sample Acceptance Form completed? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| If Chlorinated or Drinking Water Samples, Acceptable Preservation? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Preservation Documented: | <input type="checkbox"/> Na ₂ S ₂ O ₃ | <input type="checkbox"/> Trizma | <input checked="" type="checkbox"/> None |
| | <input type="checkbox"/> Other | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Shipping Container | <input type="checkbox"/> Vista | <input checked="" type="checkbox"/> Client | <input type="checkbox"/> Retain |
| | <input checked="" type="checkbox"/> Return | <input type="checkbox"/> Dispose | |

Comments: Matrix on the coc: SQ; logged in as AQ. -AF 10/01/19

EXTRACTION INFORMATION

Rx

Process Sheet
Workorder: 1903419

Prep Expiration: 2020-09-25
Client: Anchor QEA, LLC

Workorder Due: 29-Oct-19 00:00
TAT: 28

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

Prep Batch: B9J0281

Prep Data Entered:
Date and Initials:

Initial Sequence: B9J0071

| LabSampleID | Recon | ClientSampleID | Date Received | Location | Comments |
|-------------|-------------------------------------|-------------------|-----------------|----------|----------|
| 1903419-01 | <input checked="" type="checkbox"/> | RB-20190926140400 | 01-Oct-19 09:16 | WR-2 C-2 | |

No p.r.t. 10/17/19

WO Comments: Pest - 1g extraction (dry weight)
 Dioxin - 10g (dry weight)
 PCB - 5g extraction (dry weight)

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

Prep Check Out: 10/23/19
Prep Check In: NA

Prep Reconciled Initials/Date: 10/23/19
Spike Reconciled Initials/Date: 10/23/19
VialBoxID: emc potato

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 1613 Full List

Method: 1613 2.3.7.8-TCDD Only

B9J0251

Chemist: KL

Prep Date/Time: 23-Oct-19

Prepared using: HRMS - Separatory Funnel

| VISTA Sample ID | Bottle + Sample (g) | Bottle Only (g) | Sample Amt. (L) | IS/NS CHEM/WIT DATE | CRS CHEM/WIT DATE | AP CHEM/ DATE | ABSG CHEM/ DATE | AA CHEM/ DATE | Florisil CHEM/ DATE | RS CHEM/WIT DATE |
|-------------------|---------------------|-----------------|-----------------|---------------------|-------------------|---------------|-----------------|---------------|---------------------|------------------|
| B9J0251-BLK1 | NA | NA | (1.00) | KL AZ10/23/19 | DF B9B 10/24/19 | NA | DF 10/24/19 | DF 10/24/19 | DF 10/24/19 | KL HN 10/25/19 |
| B9J0251-BS1 | NA | NA | (1.00) | T | T | T | T | T | T | T |
| 1903259-01RE1 | 1345.64 | 404.49 | 0.94115 | T | T | T | T | T | T | T |
| 1903259-02RE1 (4) | 1330.07 | 401.57 | 0.92852 | T | T | T | T | T | T | NA |
| 1903259-03RE1 | 1339.93 | 404.61 | 0.93532 | T | T | T | T | T | T | KL HN 10/25/19 |
| 1903419-01RE1 | 1526.71 | 503.57 | 1.02314 | T | T | T | T | T | T | T |
| 1903568-01 | 1350.50 | 393.15 | 0.95735 | T | T | T | T | T | MT | T |
| 1903569-01 | 1541.21 | 502.04 | 1.03917 | T | T | T | T | T | T | T |
| 1903569-02 | 1552.43 | 502.14 | 1.05029 | T | T | T | T | T | T | T |
| 1903655-04 | 1839.73 | 505.76 | 1.03397 | T | T | T | T | T | DF 10/24/19 | T |
| 1903655-05 | 1508.50 | 507.68 | 1.00082 | T | T | T | T | T | T | T |

(4) Rotovap malfunction, sample drop into water bath DF 10/24/19
 * loss of sample was lost

* DF 10/24/19

| | | | | | | |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------|----------------------------|---|
| IS Name <u>V3</u> | NS Name <u>V1</u> | CRS Name <u>V7</u> | RS Name <u>V7</u> | Cycle Time | APP: <u>SEFUM</u> SOX SDS | Check Out: Chemist/Date: <u>KL 10/23/19</u> |
| PCDD/F <u>19C1902, 10µL</u> | PCDD/F <u>18F1913, 10µL</u> | PCDD/F <u>19I1602, 10µL</u> | PCDD/F <u>19I1603, 10µL</u> | Start Date/Time: | SOLV: <u>DCM</u> | Check In: Chemist/Date: <u>NA</u> |
| PCB | PCB | PCB | PCB | <u>NA</u> | Other <u>NA</u> | Balance ID: <u>HRMS-10</u> |
| PAH | PAH | PAH | PAH | Stop Date/Time: | Final Volume(s) <u>C14</u> | |
| | | | | <u>NA</u> | <u>20µL</u> | |

Comments: Assume 1 g = 1 mL

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

- 5 = Sample Centrifuged to remove particulate
- 6 = Added boiling chips to separatory funnel
- 7 = Sample emulsed during shakeout

Percent Solids
Project: _____ **Balance ID:** HBM 5-10

| Sample ID | Chemist: <u>z</u> | | Chemist: <u>AO</u> | | Chemist: <u>z</u> 10/23/19 | | |
|---|-------------------|-------------------|---|-----------|----------------------------|---|--|
| | Boat Wt. | Sample + Boat Wt. | Residue + Boat Wt. | pH before | pH* after | C | |
| 1903655-05 | 1.28 | 16.21 | 1.28 | 5 | NA | 0 | |
| 1903655-04 | 1.26 | 10.02 | 1.26 | 5 | NA | 0 | |
| 1903419-01 | 1.27 | 10.07 | 1.27 | 5 | NA | 0 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Procedure: <ul style="list-style-type: none"> ▪ Tare the balance. ▪ Record boat weight. ▪ Add 2-10 g of sample. ▪ Record wet wt. + boat wt. ▪ Dry in oven overnight at 107 ▪ Tare the balance ▪ Record residue + boat wt. | | | Notes: <ul style="list-style-type: none"> ▪ Methods 8280, 613, 8290, 1614 – pH <9 ▪ Methods 1668/PCN ▪ NCASI 551- pH 1 | | | | |

 A
 A
 D

Batch: B9J0251

Matrix: Aqueous

| LabNumber | WetWeight (Initial) | % Solids (Extraction Solids) | DryWeight | Final | Extracted | Ext By | Spike | SpikeAmount | ClientMatrix | Analysis |
|---------------|------------------------|---------------------------------|-----------|-------|-----------------|--------|-----------|-------------|----------------|------------------------|
| 1903259-01RE1 | 0.94115 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | Aqueous | 1613 Full List |
| 1903259-02RE1 | 0.92852 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | Aqueous | 1613 Full List |
| 1903259-03RE1 | 0.93532 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | Aqueous | 1613 Full List |
| 1903419-01RE1 | 1.02314 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | Aqueous | 1613 Full List |
| 1903568-01 | 0.95735 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | Drinking Water | 1613 2,3,7,8-TCDD Only |
| 1903569-01 | 1.03917 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | Wastewater | 1613 2,3,7,8-TCDD Only |
| 1903569-02 | 1.05029 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | Surface Water | 1613 2,3,7,8-TCDD Only |
| 1903655-04 | 1.03397 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | QC Water | 1613 Full List |
| 1903655-05 | 1.00082 ✓ | | | 20 | 23-Oct-19 07:01 | JJC | | | QC Water | 1613 Full List |
| B9J0251-BLK1 | 1 | | | 20 | 23-Oct-19 07:01 | JJC | | | | QC |
| B9J0251-BS1 | 1 | | | 20 | 23-Oct-19 07:01 | JJC | 18F1913 ✓ | 10 ✓ | | QC |

All bolded data on report verified against written benchsheet by (initial/date) M 10/25/19
 Work Order 1903419 Revision 1

Process Sheet
Workorder: 1903419

Prep Expiration: 2020-09-25
 Client: Anchor QEA, LLC

Workorder Due: 29-Oct-19 00:00

TAT: 28

Method: **1668C Full List**
 Matrix: **Aqueous**
 Client Matrix: **Aqueous**
 Also run: **Percent Solids**

Prep Batch: B9J0089

Prep Data Entered: AZ 10/15/19
Date and Initials

Initial Sequence: S9J0030

| LabSampleID | Recon ClientSampleID | Date Received | Location | Comments |
|-------------|---|-----------------|----------|----------|
| 1903419-01 | <input checked="" type="checkbox"/> RB-20190926140400 | 01-Oct-19 09:16 | WR-2 C-2 | |

WO Comments: ~~Rest 1g extraction (dry weight)~~
~~Dioxin 40g (dry weight)~~
PCB - 5g extraction (dry weight)

Pre-Prep Check Out: DF 10/10/19

Prep Check Out: NA

Prep Reconciled Initials/Date: DF 10/10/19

Pre-Prep Check In: EMPTY

Prep Check In: NA

Spike Reconciled Initials/Date: TL 10/10/19

VialBoxID: PurSwab

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 1668C Full List

B9J0089

Chemist: DF

Prep Date/Time: 10-Oct-19

Prepared using: HRMS - Separatory Funnel

| VISTA Sample ID | Bottle + Sample (g) | Bottle Only (g) | Sample Amt. (L) | IS/NS CHEM/WIT DATE | CRS CHEM/WIT DATE | AP CHEM/ DATE | ABSG CHEM/ DATE | AA CHEM/ DATE | Florisil CHEM/ DATE | RS CHEM/WIT DATE |
|----------------------|---------------------|-----------------|-----------------|---------------------|-------------------|---------------|-----------------|---------------|---------------------|------------------|
| B9J0089-BLK1 (B) | NA | NA | (1.00) | DF 7L 10/10/19 | DF 7L 10/10/19 | NA | DF 10/10/19 | NA | NA | AO CC 10/11/19 |
| B9J0089-BS1 (B) | ↓ | ↓ | (1.00) | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903256-01 (D)(B)(C) | 1267.84 | 407.92 | 0.85992 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903257-01 (D)(B)(C) | 1391.31 | 404.21 | 0.98710 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903279-01 (B) | 1486.99 | 502.82 | 0.98417 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903385-01 (A) | NA | NA | (1.00) | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903396-01 (D)(B)(C) | 1316.71 | 408.20 | 0.90851 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903398-01 (D)(B)(C) | 1373.34 | 404.38 | 0.96896 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903419-01 (B) | 1496.70 | 503.92 | 0.99278 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |

- (A) 1 ml of sample added to 1L of HPLC water using 1mL syringe. BA 10/10/19
- (B) Sample's pH was adjusted to 2. DF 10/10/19
- (C) Heavy emulsion during shakeout DF 10/10/19
- (D) PPT formed at FV, 1:10 dil made AO 10/11/19

| | | | | | | |
|-------------------|-------------------|-------------------|-------------------|---------------------|--------------------------|--------------------------------------|
| IS Name (V4) | NS Name (V5) | CRS Name (V4) | RS Name (V3) | Cycle Time | APP: SEFUN SOX SDS | Check Out: Chemist/Date: DF 10/10/19 |
| PCDD/F | PCDD/F | PCDD/F | PCDD/F | Start Date/Time: NA | SOLV: DM | Check In: Chemist/Date: Empty |
| PCB 19D1001, 10ul | PCB 19D1002, 10ul | PCB 19D1003, 10ul | PCB 19D1004, 10ul | Stop Date/Time: NA | Other: NA | Balance ID: HRMS-10 |
| PAH | PAH | PAH | PAH | | Final Volume(s): 20mL Cg | |

Comments: Assume 1 g = 1 mL

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

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B9J0090

| | |
|--|--|
| <p>Analyst: DF</p> <p>Analyte: Dried at 110°C±5°C</p> <p>Oven ID: 1</p> | <p>Test Code: %Moist/%Solids</p> <p>Units: %</p> |
| <p>Data Entry Verified by: (Initial and Date) <u>AZ 10/15/19</u></p> | |

Inst HRMS 10

Date/Time IN: Date/Time OUT
 10/10/19 0735 10/15/19 1254

| B | | C | D | E | | F | G | H | I | K | | L | M | N | O | P |
|---------------|---------------|----------|--------------------|-------------------------------|-------------------------------|-------------|-----------------------|----------------|-------------------|-----|-----------|----------|------------|-------------|---|---------------------|
| Particle Size | SampID | SampType | Initial and Date: | | DF 10/10/19 | AZ 10/15/19 | Dry Sample Weight (g) | %Solids RawVal | Visual Inspection | Ci- | pH Before | pH After | Acid Added | DF 10/10/19 | | Sample Homogenized* |
| | | | Pan Tare Wt. (gms) | Wet Pan and Sample Weight (g) | Dry Pan and Sample Weight (g) | DF 10/10/19 | | | | | | | | DF 10/10/19 | | |
| | 1903279-01 | Sample | 1.2100 | 10.1500 | 1.3700 | 0.1600 | 1.79 | CLEAR | 0 | 6 | 2 | 1 ml | | | | Y |
| | 1903419-01RE1 | Sample | 1.2200 | 11.1000 | 1.2200 | 0.0000 | 0.00 | CLEAR | 0 | 5 | 2 | 5 | | | | Y |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B9J0090

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

Inst

WPM-10

Date/Time IN: **10/10/19 07:35**
Date/Time OUT: **10/15/19 12:54**

(A) / ml DF 10/10k

| B | | C | D | | E | | F | | G | | H | | I | | K | | L | | M | | N | | O | | P |
|---------------|---------------|----------|-------------------|--------------|--------------------|-------------------------------|-------------------------------|-----------------------|----------------|-------------------|-----|-----------|--------------|------------|---------------------|-------------|-------------|-------------|-------------|--|---|--|---|--|----------|
| Particle Size | SampID | SampType | Initial and Date: | | Pan Tare Wt. (gms) | Wet Pan and Sample Weight (g) | Dry Pan and Sample Weight (g) | Dry Sample Weight (g) | %Solids RawVal | Visual Inspection | Cl- | pH Before | pH After | Acid Added | Sample Homogenized* | | | | | | | | | | |
| | | | DF 10/10/19 | AZ 10/15/19 | | | | | | | | | | | | DF 10/10/19 | DF 10/10/19 | DF 10/10/19 | DF 10/10/19 | | | | | | |
| | 1903279-01 | Sample | 1.21 | 10.15 | | | 1.37 | | | | | | Clear | 0 | 6 | 2 | (A) | | | | | | | | X |
| | 1903419-01RE1 | Sample | 1.22 | 11.10 | | | 1.22 | | | | | | ↓ | 0 | 5 | 2 | 5 | | | | | | | | X |

*Sample homogenized in sample container unless otherwise noted.

Batch: B9J0089

Matrix: Aqueous

| LabNumber | WetWeight (Initial) | % Solids (Extraction Solids) | DryWeight | Final | Extracted | Ext By | Spike | SpikeAmount | ClientMatrix | Analysis |
|--------------|------------------------|---------------------------------|-----------|-------|-----------------|--------|---------|-------------|--------------|-----------------|
| 1903256-01 | 0.85992 | | | 20 | 10-Oct-19 05:33 | DFO | | | Influent | 1668C Full List |
| 1903257-01 | 0.9871 | | | 20 | 10-Oct-19 05:33 | DFO | | | Influent | 1668C Full List |
| 1903279-01 | 0.98417 | | | 20 | 10-Oct-19 05:33 | DFO | | | Aqueous | 1668C Full List |
| 1903385-01 | 1 | | | 20 | 10-Oct-19 05:33 | DFO | | | Wastewater | 1668C Full List |
| 1903396-01 | 0.90851 | | | 20 | 10-Oct-19 05:33 | DFO | | | Influent | 1668C Full List |
| 1903398-01 | 0.96896 | | | 20 | 10-Oct-19 05:33 | DFO | | | Influent | 1668C Full List |
| 1903419-01 | 0.99278 | | | 20 | 10-Oct-19 05:33 | DFO | | | Aqueous | 1668C Full List |
| B9J0089-BLK1 | 1 | | | 20 | 10-Oct-19 05:33 | DFO | | | | QC |
| B9J0089-BS1 | 1 | | | 20 | 10-Oct-19 05:33 | DFO | 19D1002 | 10 | | QC |

All bolded data on report verified against written benchsheet by (initial/date) AZ 10/15/19
 Work Order 1903419 Revision 1

Process Sheet
Workorder: 1903419

Prep Expiration: 2019-10-03
Client: Anchor QEA, LLC

Workorder Due: 29-Oct-19 00:00

TAT: 28

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

Prep Batch: B9J0021

Prep Data Entered: DF 10/07/19
Date and Initials

Initial Sequence: _____

| LabSampleID | Recon | ClientSampleID | Date Received | Location | Comments |
|-------------|-------------------------------------|-------------------|-----------------|----------|----------|
| 1903419-01 | <input checked="" type="checkbox"/> | RB-20190926140400 | 01-Oct-19 09:16 | WR-2 C-2 | |

WO Comments: Pest - 1g extraction (dry weight)
~~Dioxin - 1g (dry weight)~~
~~POB - 5g extraction (dry weight)~~

Pre-Prep Check Out: DF 10/03/19

Prep Check Out: NT

Prep Reconciled Initials/Date: DF 10/03/19

Pre-Prep Check In: EMPTY

Prep Check In: NT

Spike Reconciled Initials/Date: NR 10/03/19

VialBoxID: ChartrelusB

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 1699 DDX List

Method: 1699 Full List

B9J0021

Chemist: DF

Prep Date/Time: 03-Oct-19

Prepared using: HRMS - Separatory Funnel

Chloroform

| VISTA Sample ID | Bottle + Sample (g) | Bottle Only (g) | Sample Amt. (L) | IS/NS CHEM/WIT DATE | CRS CHEM/WIT DATE | AP CHEM/ DATE | ABSG CHEM/ DATE | AA CHEM/ DATE | Florisol CHEM/ DATE | RS CHEM/WIT DATE |
|-------------------|---------------------|-----------------|-----------------|---------------------|-------------------|---------------|-----------------|---------------|---------------------|------------------|
| B9J0021-BLK1 | NA | NA | (1.00) | DF 10/03/19 | NA | NA | DF 10/03/19 | DF 10/03/19 | DF 10/03/19 | DF 10/03/19 |
| B9J0021-BS1 | ↓ | ↓ | (1.00) | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903222-03RE1 (A) | 969.26 | 68.30** | 0.90118 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903222-04RE1 (A) | 991.45 | 68.69 | 0.92276 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 1903419-01 | 1500.99 | 504.29 | 0.99670 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |

(A) Comment 7, DF 10/03/19
b DF 10/07/19

*K 28.08 DF 10/07/19

| IS Name | NS Name | CRS Name | RS Name | Cycle Time | APP: (SEFUN) SOX SDS | Check Out: Chemist/Date: |
|---------------------|----------------|----------|-----------------------|-----------------------|----------------------|-------------------------------|
| PCDD/F (V) | PCDD/F (V) | PCDD/F | PCDD/F | Start Date/Time: NA | SOLV: DCM | DF 10/03/19 |
| PCB | PCB | PCB | PCB | Stop Date/Time: NA | Other: NA | Check In: Chemist/Date: EMPTY |
| PAH | PAH | PAH | PAH | Final Volume(s): 20mL | Cg *C14 | Balance ID: HRMS-9 |
| 1699; 1901602, 10mL | 19022304, 10mL | NA | *190223 1901603, 10mL | | | |

Comments: Assume 1 g = 1 mL

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

- 5 = Sample Centrifuged to remove particulate
- 6 = Added boiling chips to separatory funnel
- 7 = Sample emulsed during shakeout

| | | |
|---|----------------------------------|---|
| Analyst: DF | Test Code: %Moist/%Solids | Data Entry Verified by: (Initial and Date) <u>DF 10/07/19</u> |
| Analyte: Dried at 110°C +/- 5°C | Units: % | |
| Oven ID: 01 02 | | |

Inst HRMS-9 Date/Time IN: 10/3/19 7:20 Date/Time OUT: 10/7/19 5:10

| Particle Size | SampID | SampType | Initial and Date: | | DF 10/07/19 | | Dry Sample Weight (g) | %Solids RawVal | Visual Inspection | Cl- | DF 10/03/19 | | DF 10/03/19 | | Sample Homogenized* |
|---------------|---------------|----------|--------------------|-------------------------------|-------------------------------|-------------|-----------------------|----------------|-------------------|-----|-------------|----------|-------------|-------------|---------------------|
| | | | Pan Tare Wt. (gms) | Wet Pan and Sample Weight (g) | Dry Pan and Sample Weight (g) | DF 10/03/19 | | | | | pH Before | pH After | Acid Added | | |
| | | | | | | | | | | | | | | DF 10/03/19 | |
| | 1903222-03RE1 | B | Sample | 1.2400 ✓ | 7.1200 ✓ | 1.2400 ✓ | 0.0000 | 0.00 | Clear | 0 | 6 | NA | NA | X | |
| | 1903222-04RE1 | B | Sample | 1.2400 ✓ | 7.4500 ✓ | 1.2400 ✓ | 0.0000 | 0.00 | Clear | 0 | 6 | NA | NA | X | |
| | 1903419-01 | C | Sample | 1.2400 ✓ | 10.8400 ✓ | 1.2400 ✓ | 0.0000 | 0.00 | Clear | 0 | 5 | NA | NA | X | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

*Sample homogenized in sample container unless otherwise noted.

D2216-90

BATCH ID B9J0022

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

Inst

HKMS-9

Date/Time IN: 10/03/19 Date/Time OUT: 10/07/19
07:20 *05:10*

**DF 10/03/19*

| B | | C | D | E | | F | G | H | I | K | | L | M | N | O | P |
|---------------|---------------|----------|--------------------------------------|-------------------------------|-------------------------------|------|-----------------------|----------------|-------------------|-----------|-----------|-----------|------------|---------------------|---|----------|
| Particle Size | SampID | SampType | Initial and Date: <i>DF 10/03/19</i> | | <i>DF 10/07/19</i> | | Dry Sample Weight (g) | %Solids RawVal | Visual Inspection | Cl- | pH Before | pH After | Acid Added | Sample Homogenized* | | |
| | | | Pan Tare Wt. (gms) | Wet Pan and Sample Weight (g) | Dry Pan and Sample Weight (g) | | | | | | | | | | | |
| | 1903222-03RE1 | <i>B</i> | Sample | 1.24 | 7.12 | 1.24 | <i>↓</i> | | <i>clear</i> | <i>0</i> | <i>6</i> | <i>NA</i> | <i>NA</i> | | | <i>X</i> |
| | 1903222-04RE1 | <i>B</i> | Sample | 1.24 | 7.95 | 1.24 | | | <i>↓</i> | <i>0</i> | <i>6</i> | <i>↓</i> | <i>↓</i> | | | <i>X</i> |
| | 1903419-01 | <i>C</i> | Sample | 1.24 | 10.84 | 1.24 | | | <i>↓</i> | <i>80</i> | <i>5</i> | <i>↓</i> | <i>↓</i> | | | <i>X</i> |

*Sample homogenized in sample container unless otherwise noted.

Batch: B9J0021

Matrix: Aqueous

| LabNumber | WetWeight (Initial) | % Solids (Extraction Solids) | DryWeight | Final | Extracted | Ext By | Spike | SpikeAmount | ClientMatrix | Analysis |
|---------------|------------------------|---------------------------------|-----------|-------|-----------------|--------|---------|-------------|--------------|----------------|
| 1903222-03RE1 | 0.90118 | ✓ | | 20 | 03-Oct-19 05:37 | DFO | | | Aqueous | 1699 DDX List |
| 1903222-04RE1 | 0.92276 | ✓ | | 20 | 03-Oct-19 05:37 | DFO | | | Aqueous | 1699 DDX List |
| 1903419-01 | 0.9967 | ✓ | | 20 | 03-Oct-19 05:37 | DFO | | | Aqueous | 1699 Full List |
| B9J0021-BLK1 | 1 | ✓ | | 20 | 03-Oct-19 05:37 | DFO | | | | QC |
| B9J0021-BS1 | 1 | ✓ | | 20 | 03-Oct-19 05:37 | DFO | 18A2304 | 10 | | QC |

All bolded data on report verified against written benchsheet by (initial/date) DF 10/07/19
Work Order 1903419 Revision 1

SAMPLE DATA – EPA METHOD 1613

Client ID: Method Blank
 Lab ID: B9J0251-BLK1

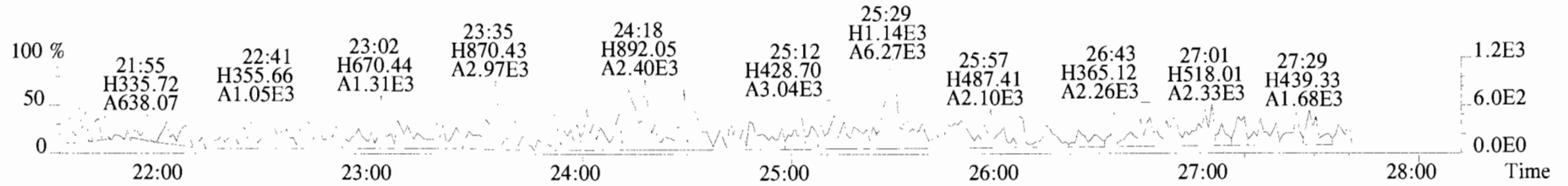
Filename: 191028D1 S:7 Acq:28-OCT 19 17:01:01
 GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

ConCal: ST191028D1-1
 EndCAL: ST191028D1-2

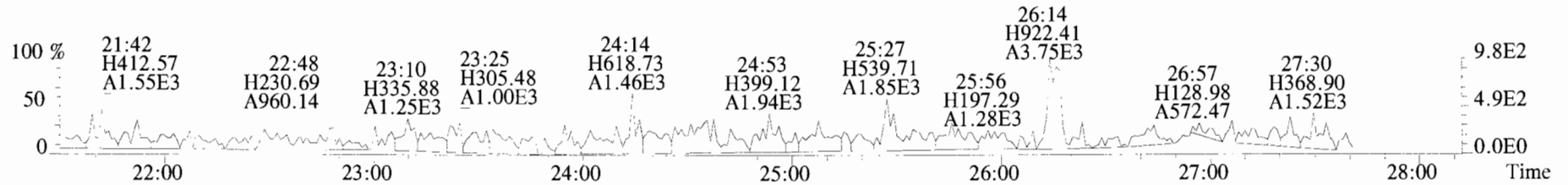
| Name | Resp | RA | RRF | RT | Conc | Qual | noise | Fac | DL | Name | Conc | EMPC | Qual | noise | DL |
|-----------------------------|----------|--------|------|--------------|--------|------|----------|-----|-------|---------------------|--------|--------|------|-------|-------|
| 2,3,7,8-TCDD | * | * n | 0.91 | Not F η | * | | 105 2.5 | | 0.738 | Total Tetra-Dioxins | * | * | | 105 | 0.738 |
| 1,2,3,7,8-PeCDD | * | * n | 0.90 | Not F η | * | | 158 2.5 | | 0.939 | Total Penta-Dioxins | * | * | | 158 | 0.939 |
| 1,2,3,4,7,8-HxCDD | * | * n | 1.10 | Not F η | * | | 113 2.5 | | 1.05 | Total Hexa-Dioxins | * | * | | 113 | 1.12 |
| 1,2,3,6,7,8-HxCDD | * | * n | 0.94 | Not F η | * | | 113 2.5 | | 1.10 | Total Hepta-Dioxins | * | * | | 127 | 1.46 |
| 1,2,3,7,8,9-HxCDD | * | * n | 0.96 | Not F η | * | | 113 2.5 | | 1.19 | Total Tetra-Furans | * | * | | 139 | 0.662 |
| 1,2,3,4,6,7,8-HpCDD | * | * n | 0.98 | Not F η | * | | 127 2.5 | | 1.46 | Total Penta-Furans | 0.0000 | 0.0000 | | 119 | 0.663 |
| OCDD | * | * n | 0.96 | Not F η | * | | 94.6 2.5 | | 2.68 | Total Hexa-Furans | * | * | | 115 | 0.505 |
| | | | | | | | | | | Total Hepta-Furans | * | * | | 92.8 | 0.610 |
| 2,3,7,8-TCDF | * | * n | 0.95 | Not F η | * | | 139 2.5 | | 0.662 | | | | | | |
| 1,2,3,7,8-PeCDF | * | * n | 0.96 | Not F η | * | | 119 2.5 | | 0.684 | | | | | | |
| 2,3,4,7,8-PeCDF | * | * n | 1.01 | Not F η | * | | 119 2.5 | | 0.642 | | | | | | |
| 1,2,3,4,7,8-HxCDF | * | * n | 1.18 | Not F η | * | | 115 2.5 | | 0.456 | | | | | | |
| 1,2,3,6,7,8-HxCDF | * | * n | 1.07 | Not F η | * | | 115 2.5 | | 0.471 | | | | | | |
| 2,3,4,6,7,8-HxCDF | * | * n | 1.11 | Not F η | * | | 115 2.5 | | 0.514 | | | | | | |
| 1,2,3,7,8,9-HxCDF | * | * n | 1.06 | Not F η | * | | 115 2.5 | | 0.590 | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | * | * n | 1.13 | Not F η | * | | 92.8 2.5 | | 0.651 | | | | | | |
| 1,2,3,4,7,8,9-HpCDF | * | * n | 1.28 | Not F η | * | | 92.8 2.5 | | 0.564 | | | | | | |
| OCDF | * | * n | 0.95 | Not F η | * | | 112 2.5 | | 2.15 | | | | | | |
| | | | | | | | | | | Rec | Qual | | | | |
| IS 13C-2,3,7,8-TCDD | 5.19e+06 | 0.78 y | 1.10 | 26:15 | 1806.1 | | | | | 90.3 | | | | | |
| IS 13C-1,2,3,7,8-PeCDD | 4.56e+06 | 0.62 y | 0.88 | 30:45 | 1973.1 | | | | | 98.7 | | | | | |
| IS 13C-1,2,3,4,7,8-HxCDD | 4.05e+06 | 1.27 y | 0.64 | 34:04 | 1896.1 | | | | | 94.8 | | | | | |
| IS 13C-1,2,3,6,7,8-HxCDD | 4.58e+06 | 1.28 y | 0.86 | 34:11 | 1610.1 | | | | | 80.5 | | | | | |
| IS 13C-1,2,3,7,8,9-HxCDD | 4.54e+06 | 1.26 y | 0.81 | 34:28 | 1692.0 | | | | | 84.6 | | | | | |
| IS 13C-1,2,3,4,6,7,8-HpCDD | 3.45e+06 | 1.06 y | 0.65 | 37:57 | 1583.3 | | | | | 79.2 | | | | | |
| IS 13C-OCDD | 3.36e+06 | 0.93 y | 0.58 | 41:16 | 1739.0 | | | | | 43.5 | | | | | |
| IS 13C-2,3,7,8-TCDF | 7.93e+06 | 0.78 y | 1.03 | 25:28 | 1736.2 | | | | | 86.8 | | | | | |
| IS 13C-1,2,3,7,8-PeCDF | 6.96e+06 | 1.58 y | 0.85 | 29:34 | 1846.7 | | | | | 92.3 | | | | | |
| IS 13C-2,3,4,7,8-PeCDF | 6.77e+06 | 1.59 y | 0.85 | 30:28 | 1810.0 | | | | | 90.5 | | | | | |
| IS 13C-1,2,3,4,7,8-HxCDF | 5.45e+06 | 0.51 y | 0.83 | 33:10 | 1970.1 | | | | | 98.5 | | | | | |
| IS 13C-1,2,3,6,7,8-HxCDF | 6.23e+06 | 0.52 y | 1.03 | 33:18 | 1809.5 | | | | | 90.5 | | | | | |
| IS 13C-2,3,4,6,7,8-HxCDF | 5.75e+06 | 0.52 y | 0.95 | 33:54 | 1811.8 | | | | | 90.6 | | | | | |
| IS 13C-1,2,3,7,8,9-HxCDF | 5.27e+06 | 0.50 y | 0.83 | 34:51 | 1911.9 | | | | | 95.6 | | | | | |
| IS 13C-1,2,3,4,6,7,8-HpCDF | 4.33e+06 | 0.43 y | 0.76 | 36:43 | 1715.6 | | | | | 85.8 | | | | | |
| IS 13C-1,2,3,4,7,8,9-HpCDF | 3.58e+06 | 0.44 y | 0.58 | 38:30 | 1850.6 | | | | | 92.5 | | | | | |
| IS 13C-OCDF | 4.94e+06 | 0.91 y | 0.69 | 41:30 | 2156.2 | | | | | 53.9 | | | | | |
| C/Up 37C1-2,3,7,8-TCDD | 2.42e+06 | | 1.20 | 26:16 | 768.67 | | | | | 96.1 | | | | | |
| RS/RT 13C-1,2,3,4-TCDD | 5.25e+06 | 0.78 y | 1.00 | 25:41 | 2000.0 | | | | | | | | | | |
| RS 13C-1,2,3,4-TCDF | 8.83e+06 | 0.84 y | 1.00 | 24:16 | 2000.0 | | | | | | | | | | |
| RS/RT 13C-1,2,3,4,6,9-HxCDF | 6.66e+06 | 0.50 y | 1.00 | 33:35 | 2000.0 | | | | | | | | | | |

Integrations Reviewed
 by Analyst: DB by Analyst: CT
 Date: 10/29/19 Date: 10/29/19

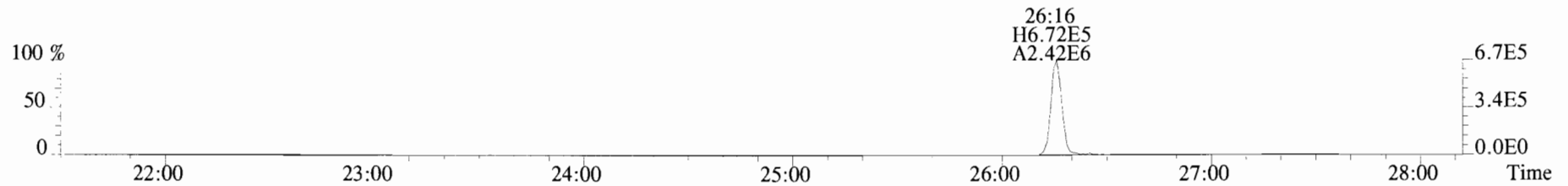
File:191028D1 #1-493 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
 319.8965 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



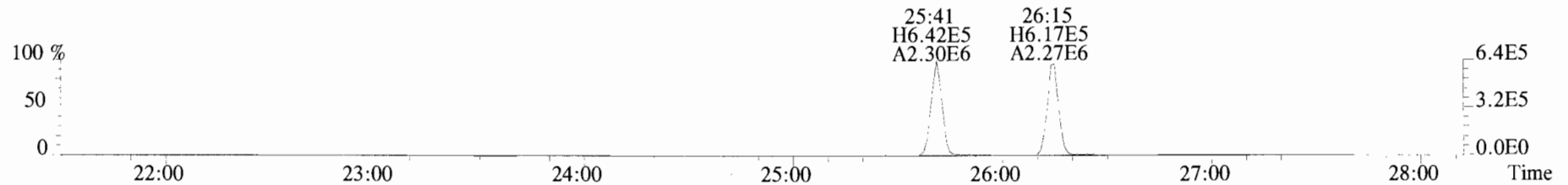
321.8936 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



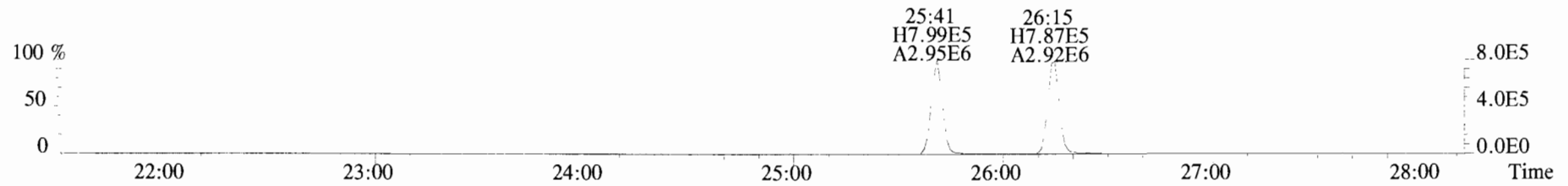
327.8847 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



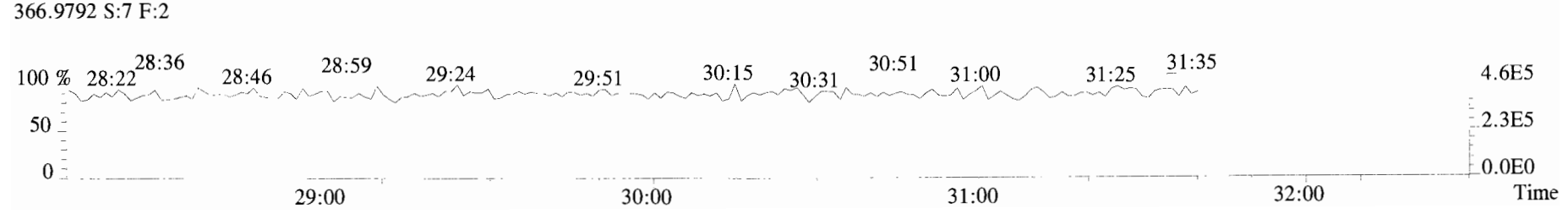
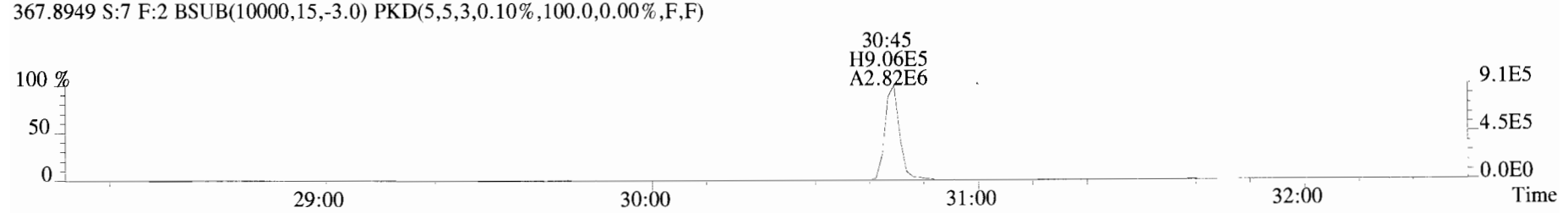
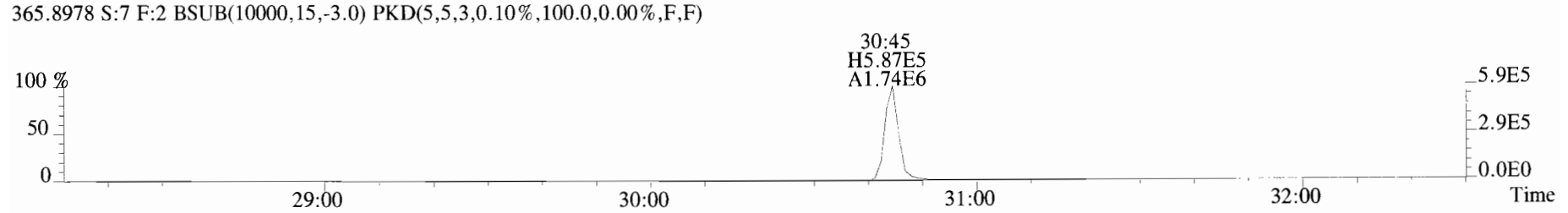
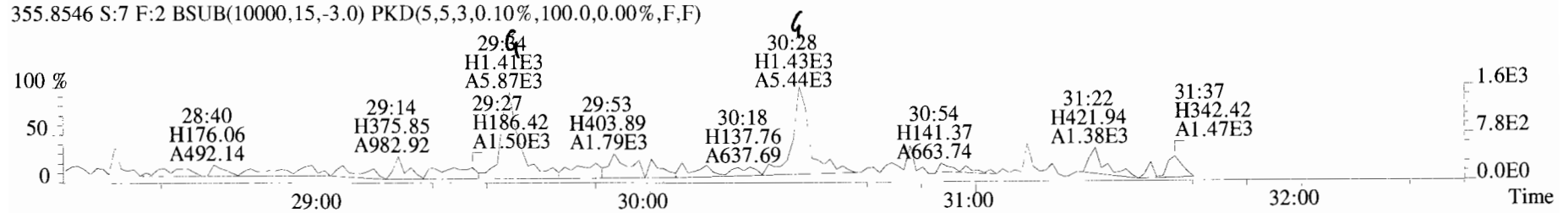
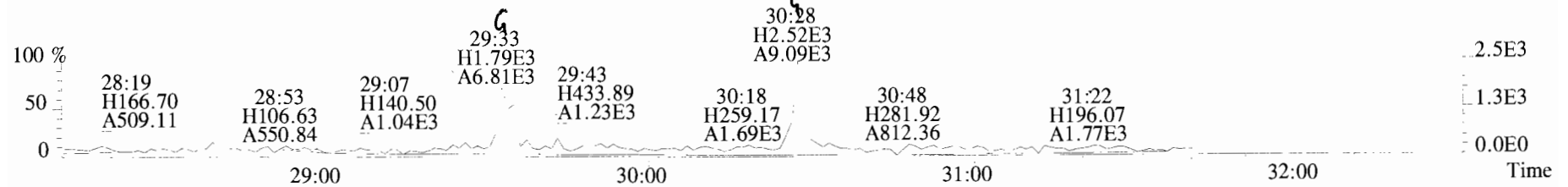
331.9368 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



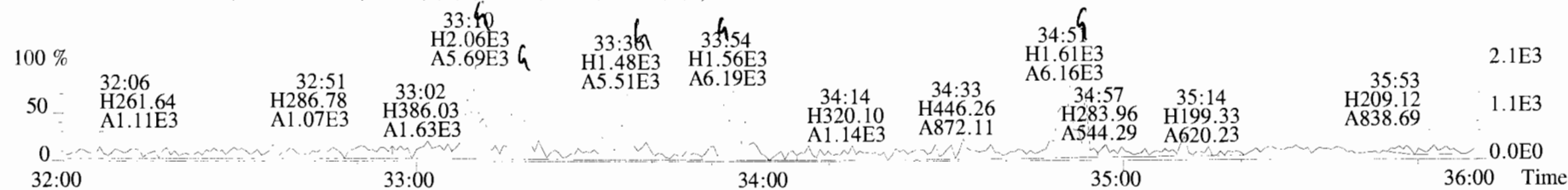
333.9339 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



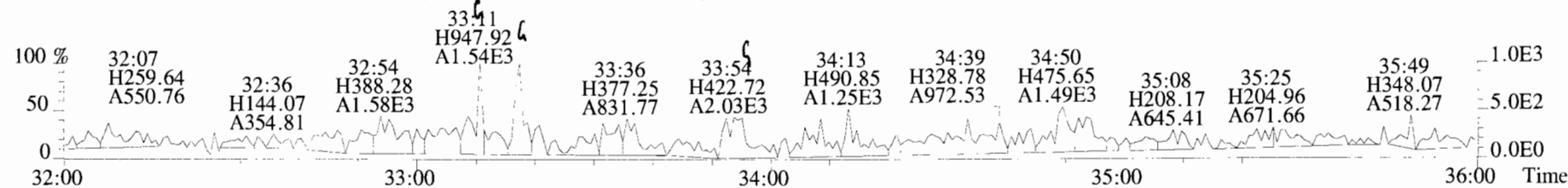
File:191028D1 #1-210 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
 353.8576 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



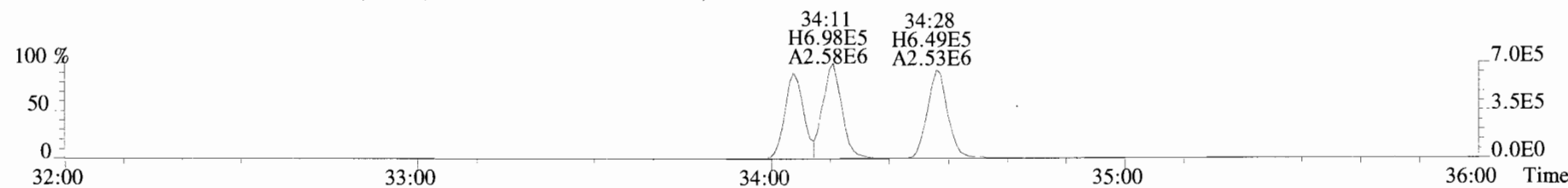
File:191028D1 #1-385 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
 389.8156 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



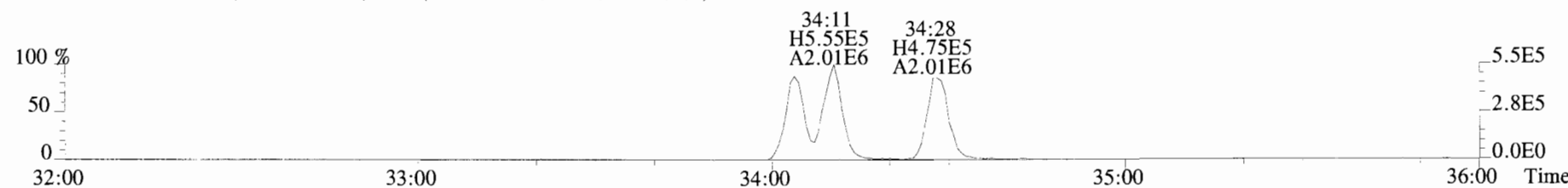
391.8127 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



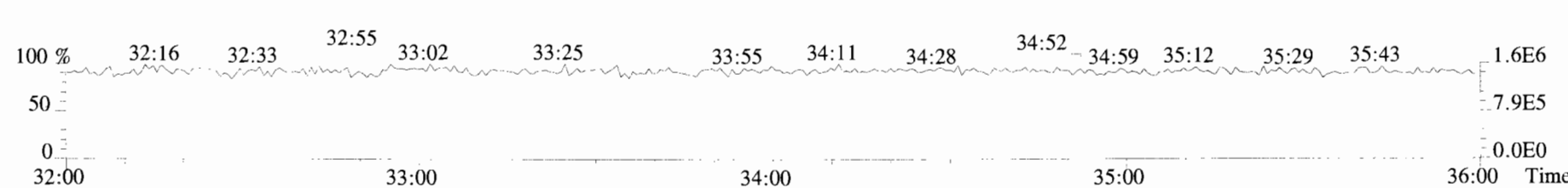
401.8559 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



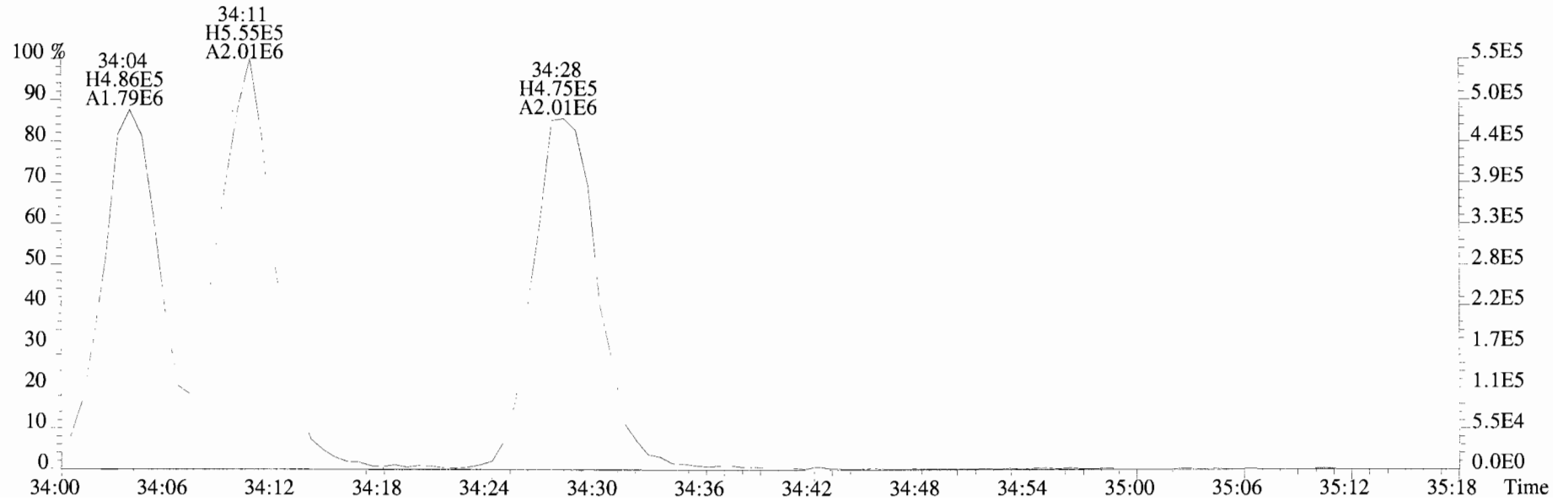
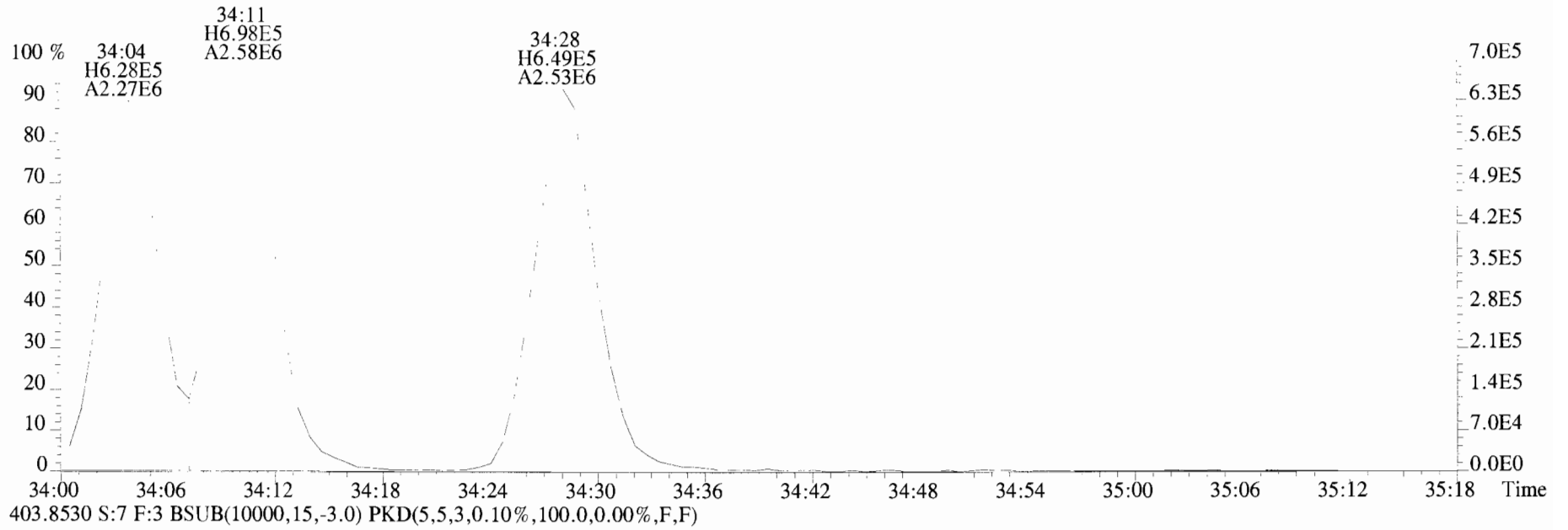
403.8530 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



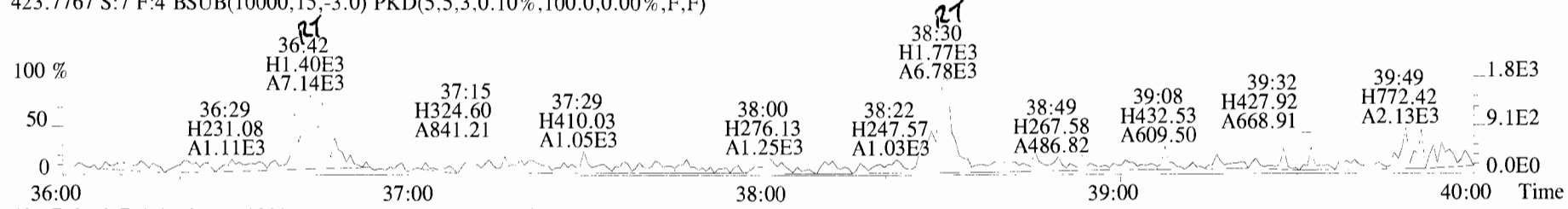
392.9760 S:7 F:3



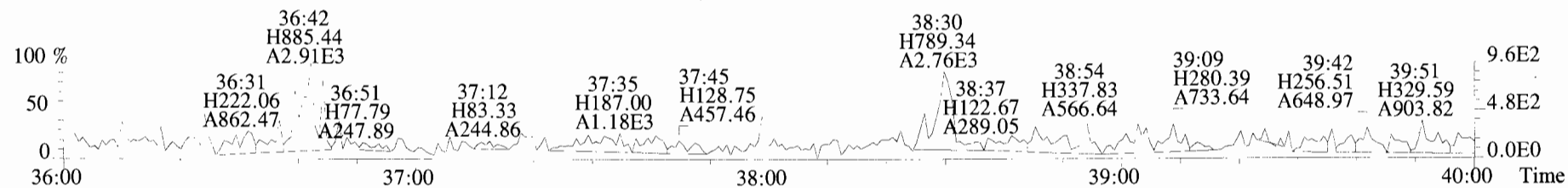
File:191028D1 #1-385 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
401.8559 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



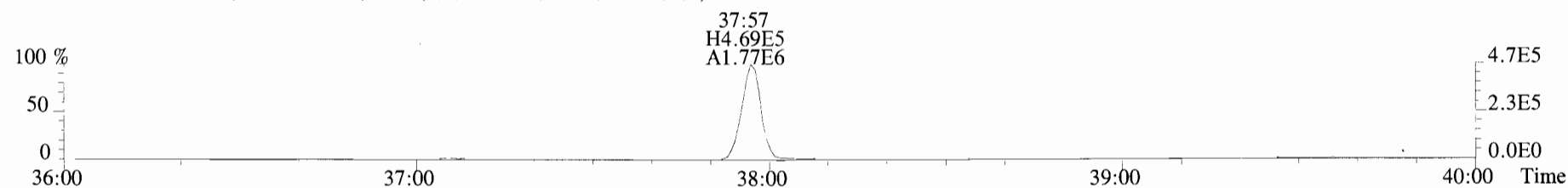
File:191028D1 #1-356 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
423.7767 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



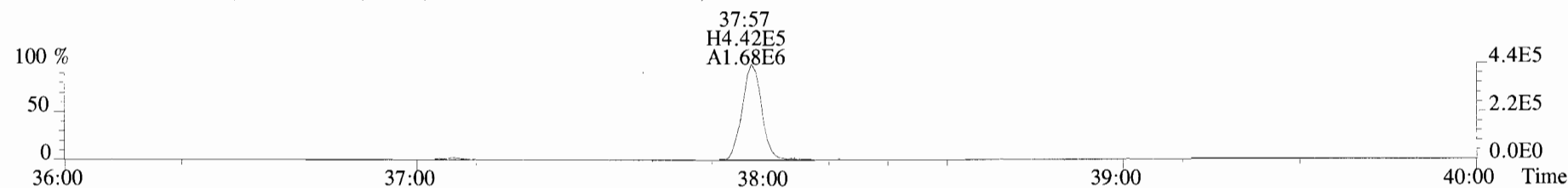
425.7737 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



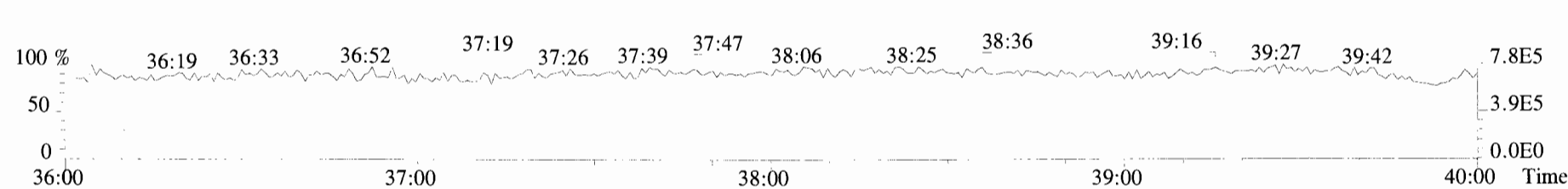
435.8169 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



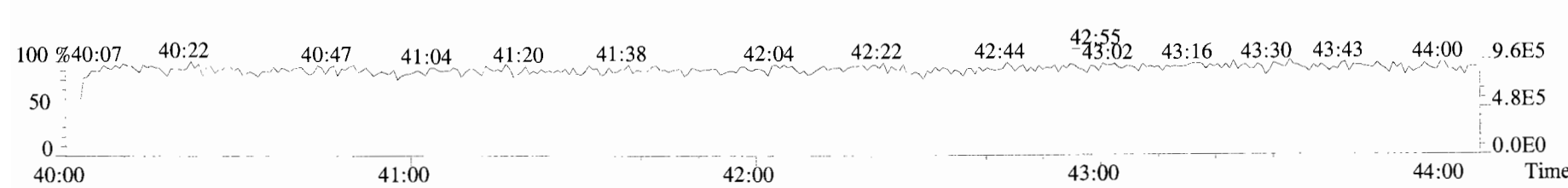
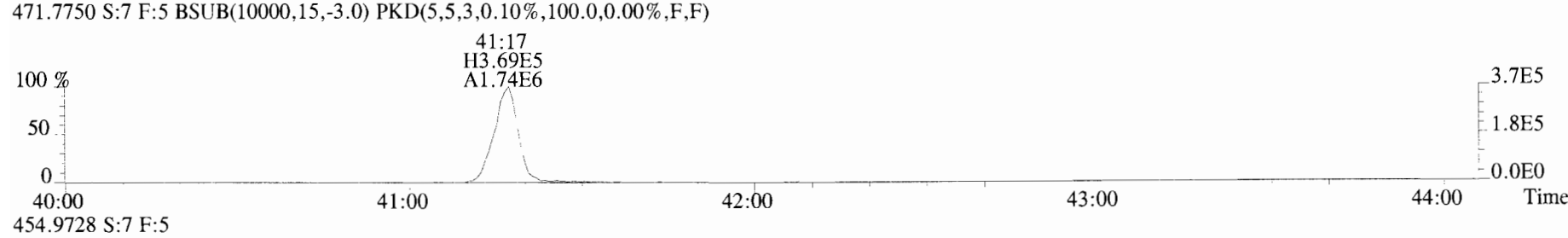
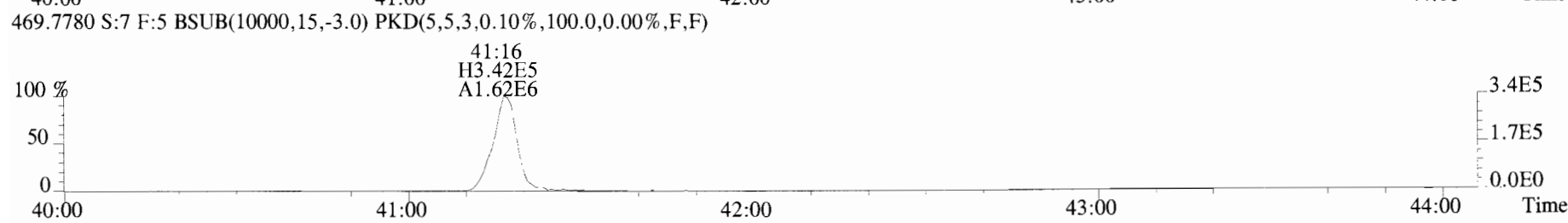
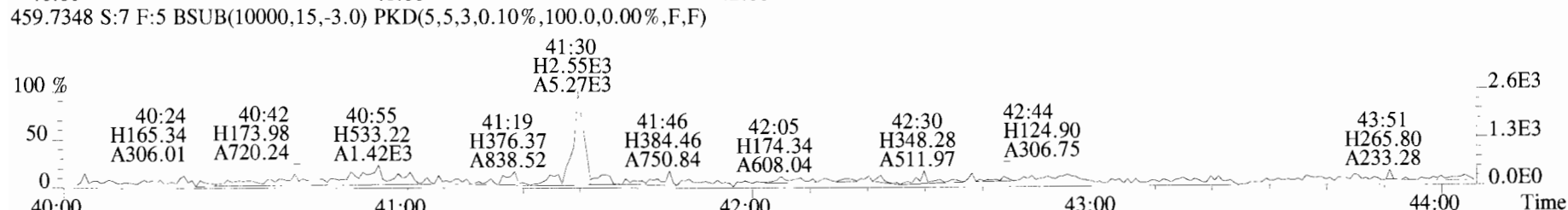
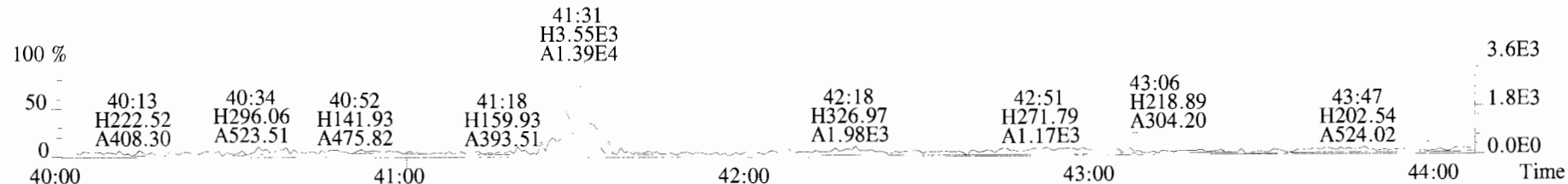
437.8140 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



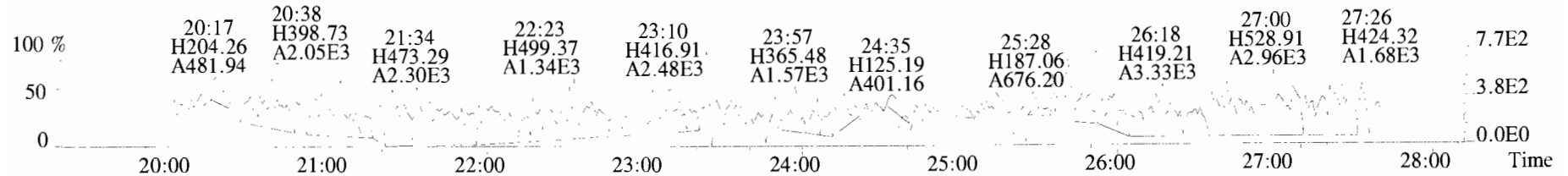
454.9728 S:7 F:4



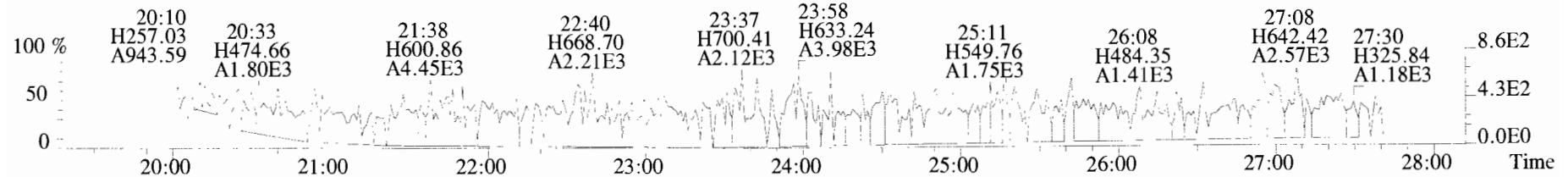
File:191028D1 #1-431 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
457.7377 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



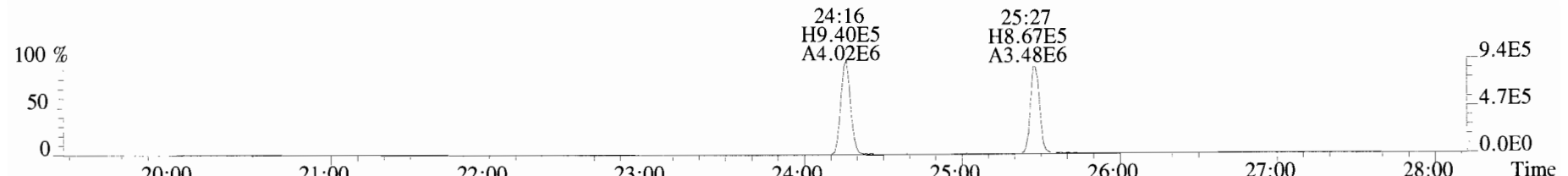
File:191028D1 #1-493 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
 303.9016 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



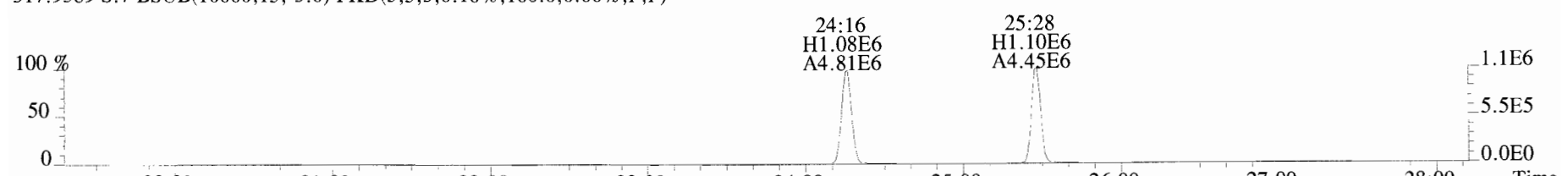
305.8987 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



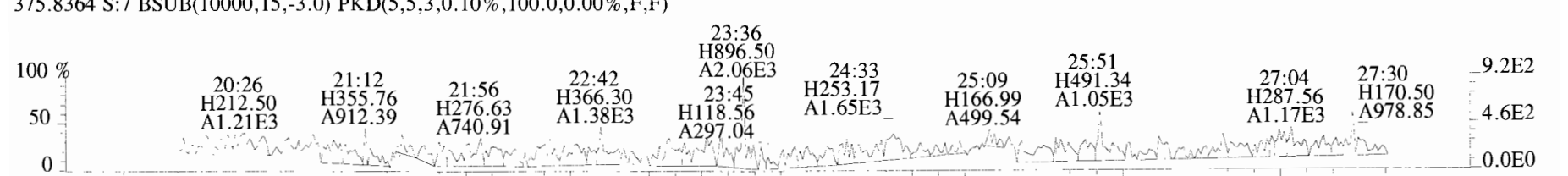
315.9419 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



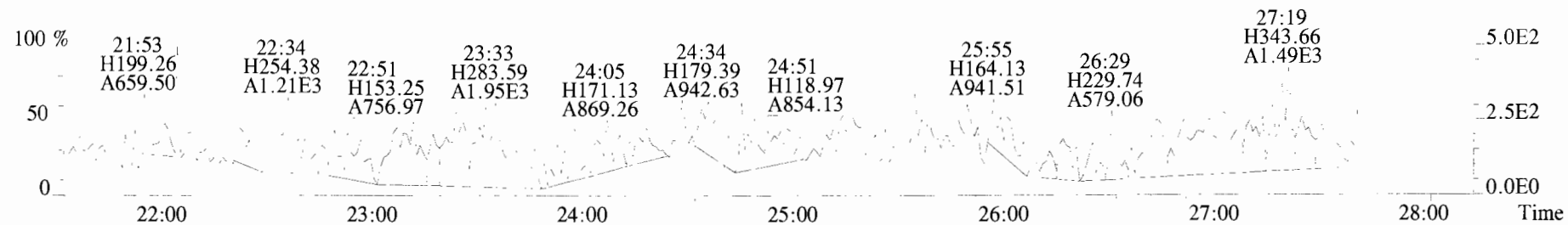
317.9389 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



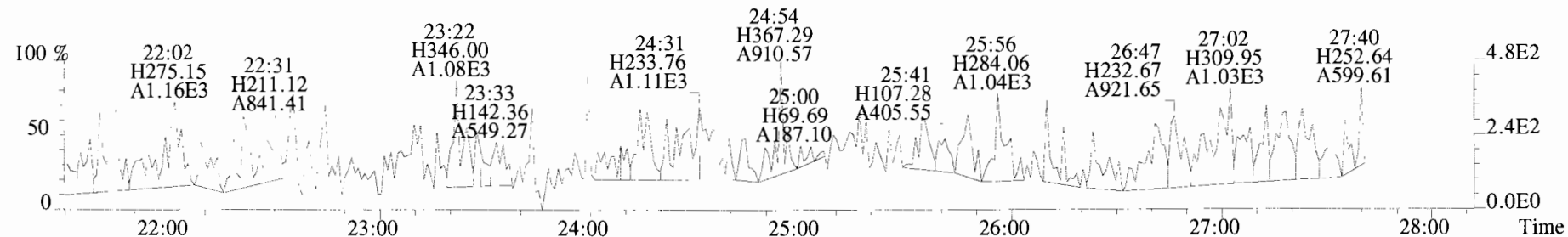
375.8364 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



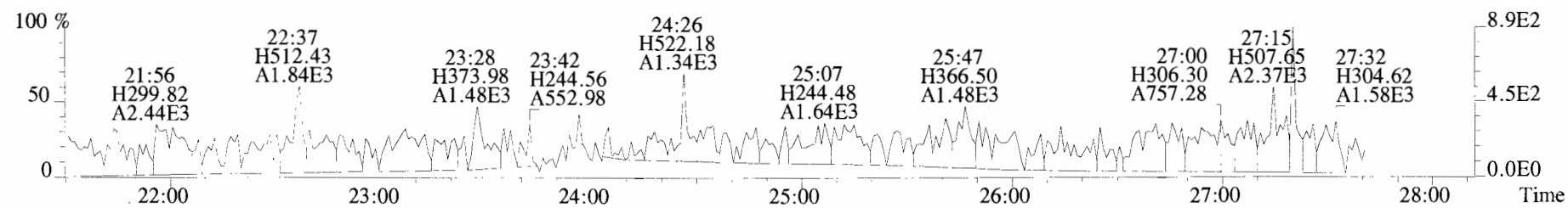
File:191028D1 #1-493 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata Analytical Laboratory VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
 339.8597 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



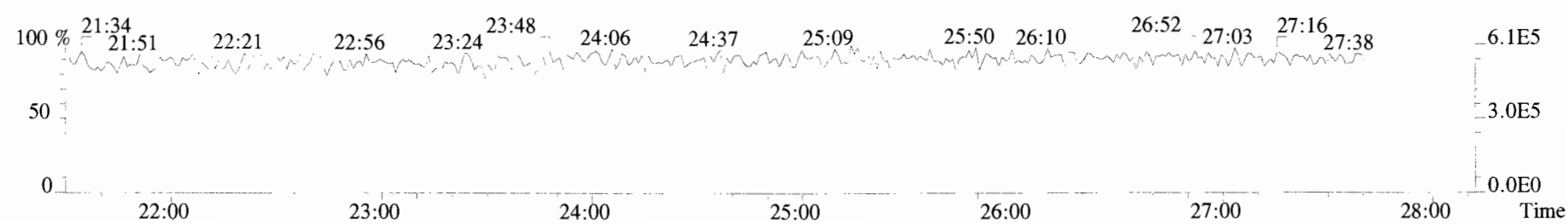
341.8568 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



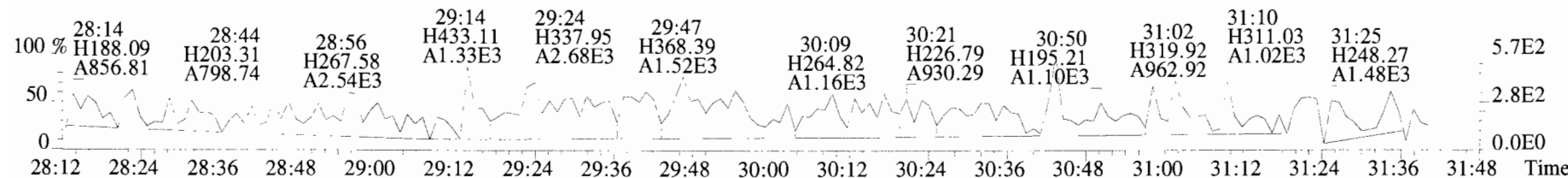
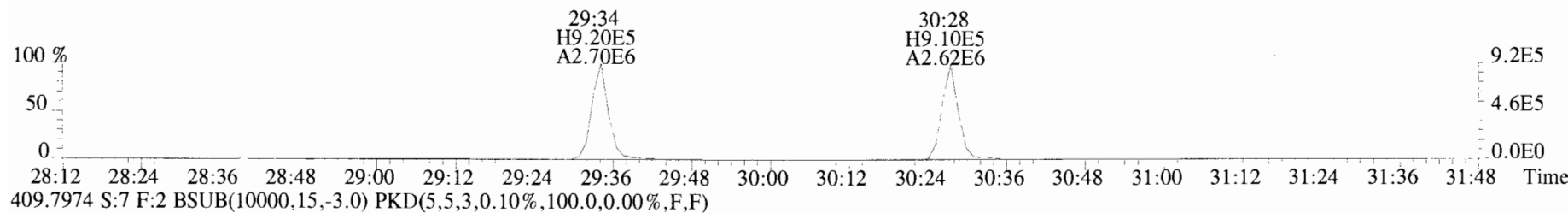
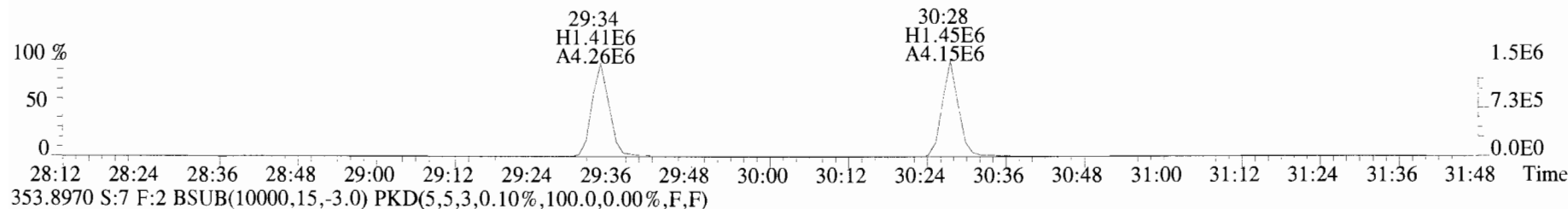
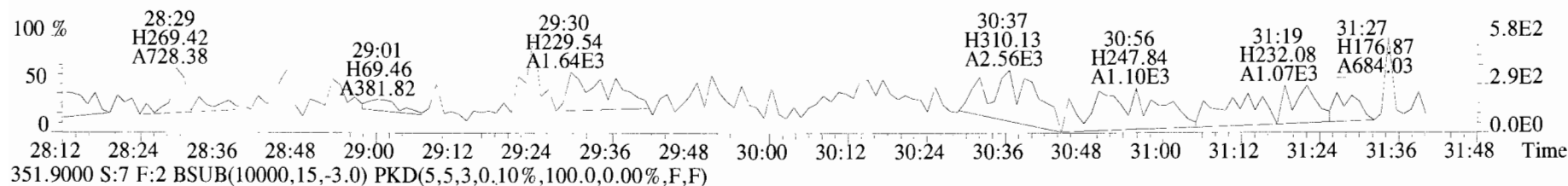
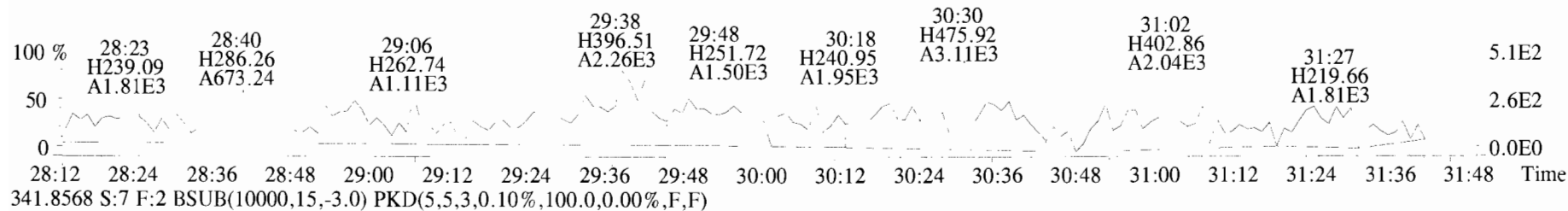
409.7974 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



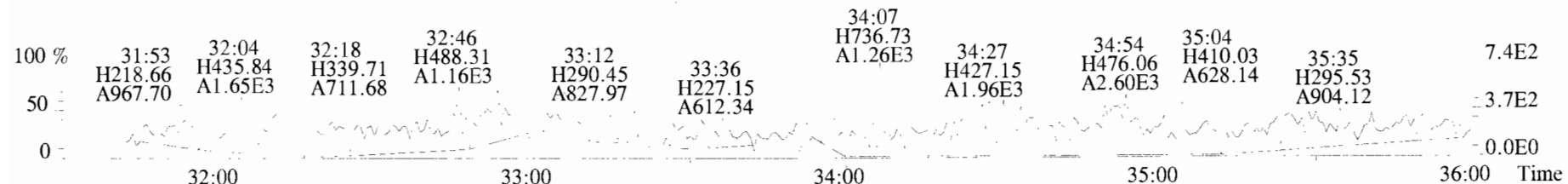
316.9824 S:7



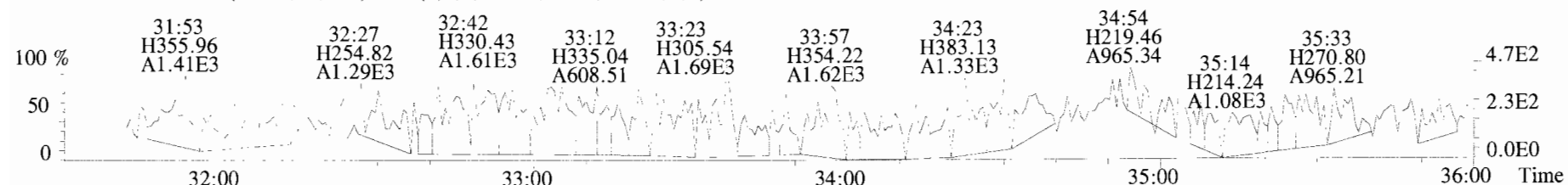
File: 191028D1 #1-210 Acq: 28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text: Viata_Analytical_Laboratory_VG7 Text: B9J0251-BLK1 Method Blank 1 Exp: OCDD_DB5
 339.8597 S: 7 F: 2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



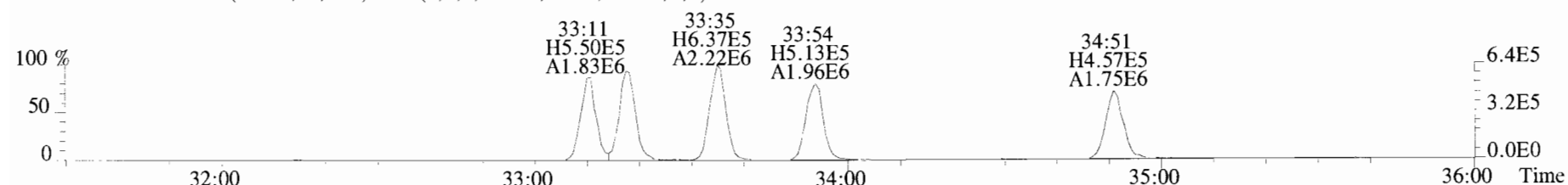
File:191028D1 #1-385 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
 373.8207 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



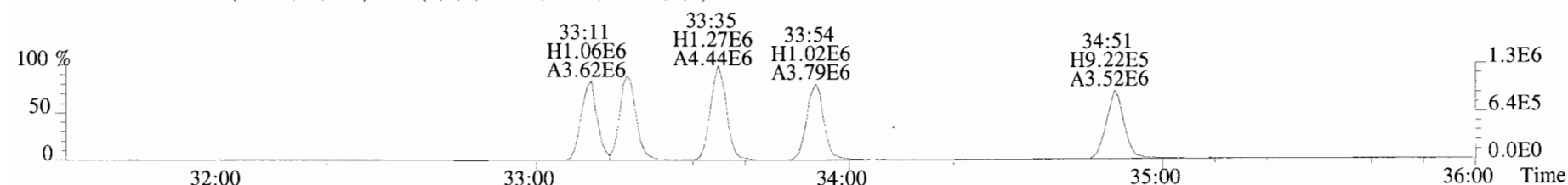
375.8178 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



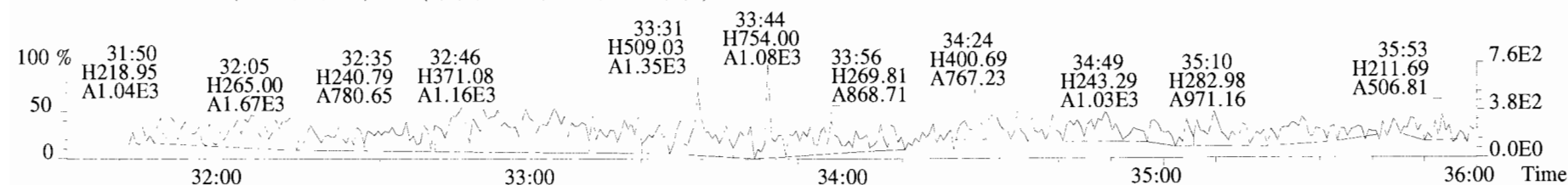
383.8639 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



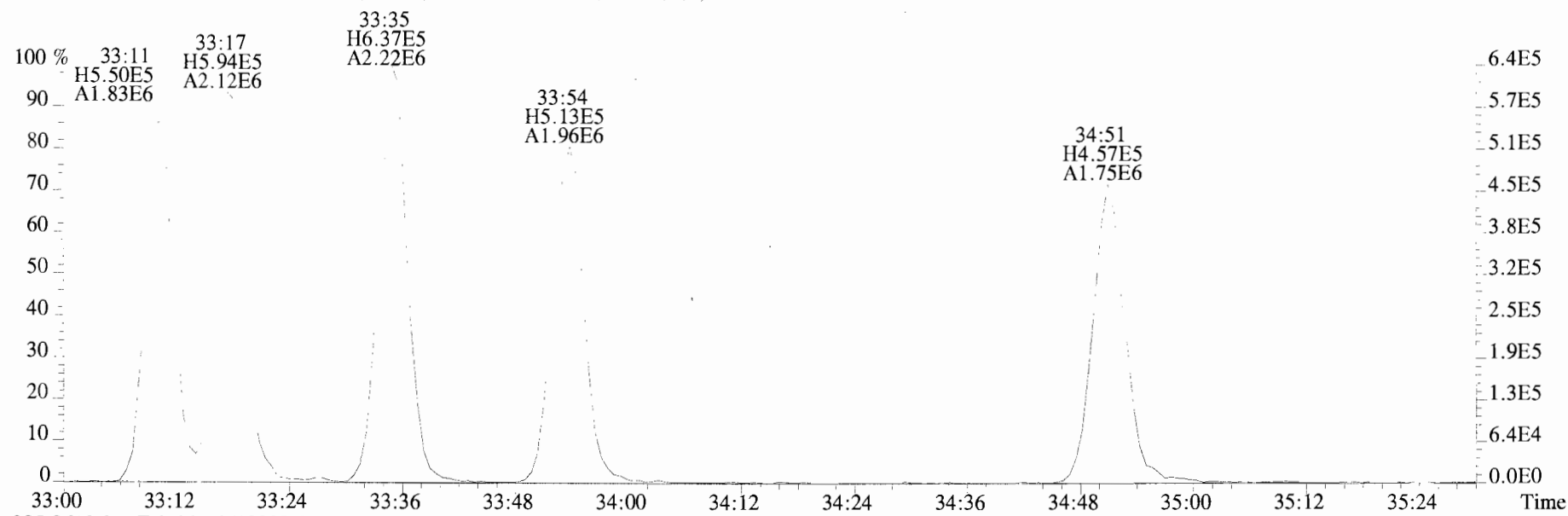
385.8610 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



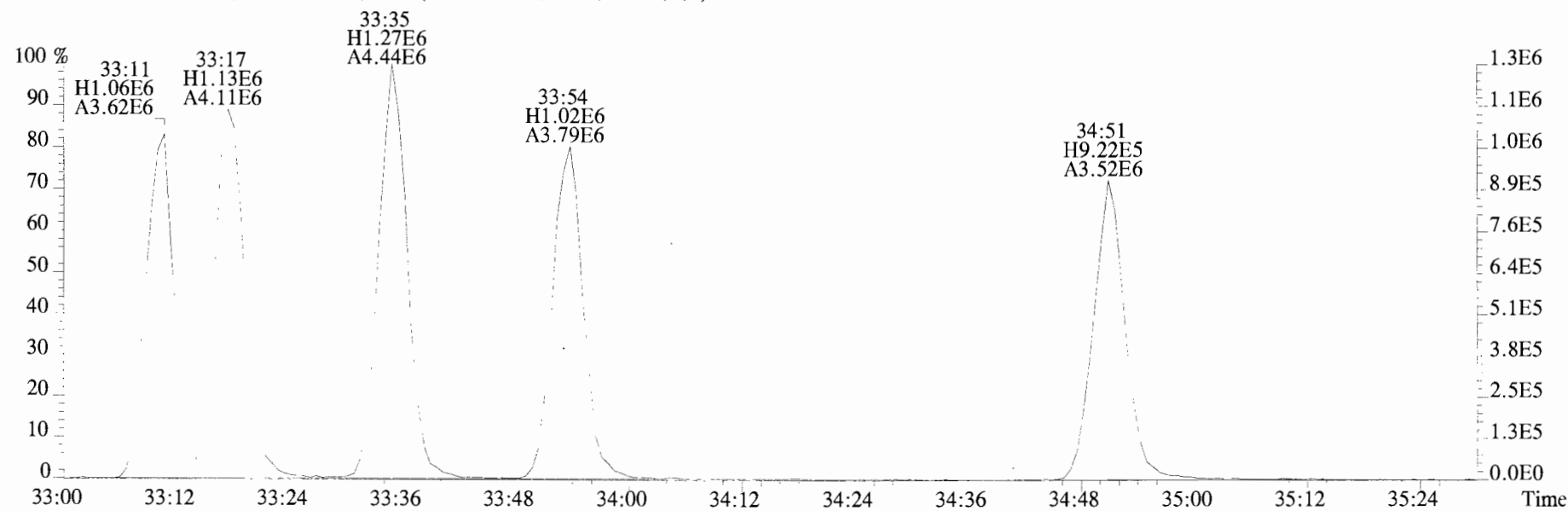
445.7555 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



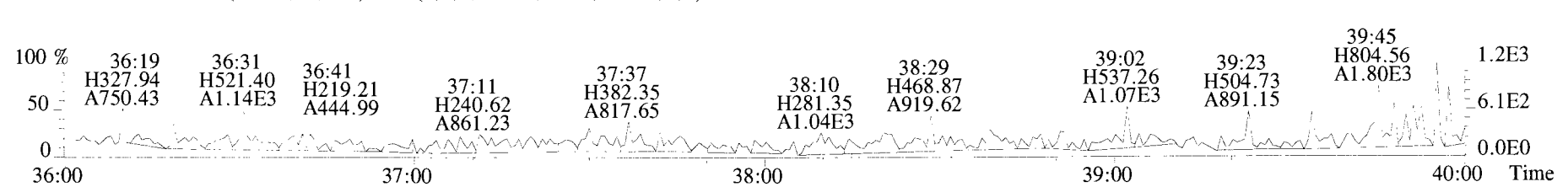
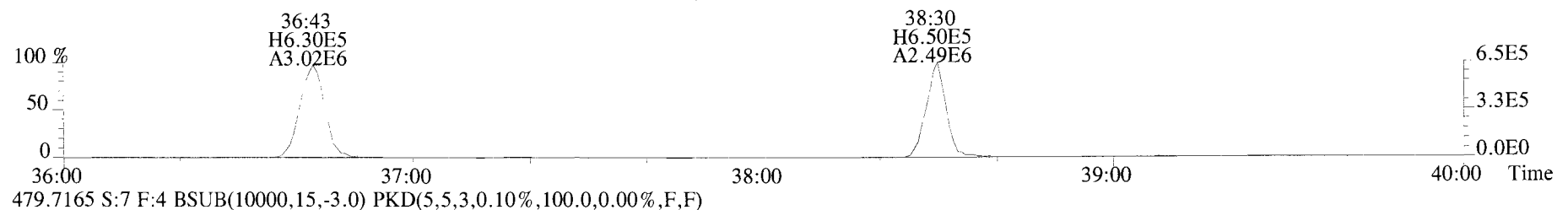
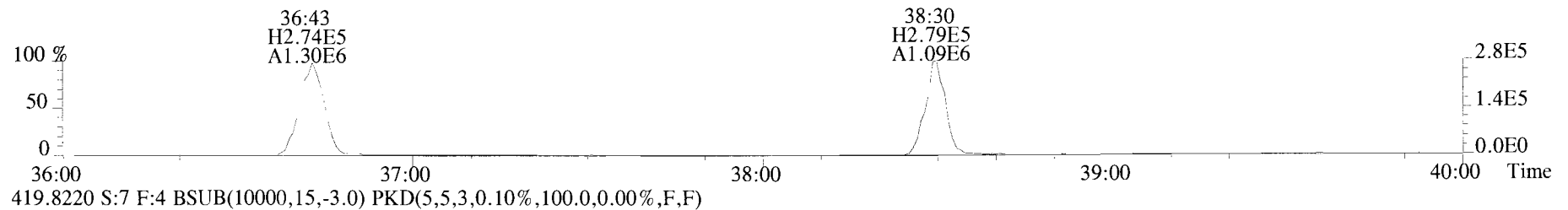
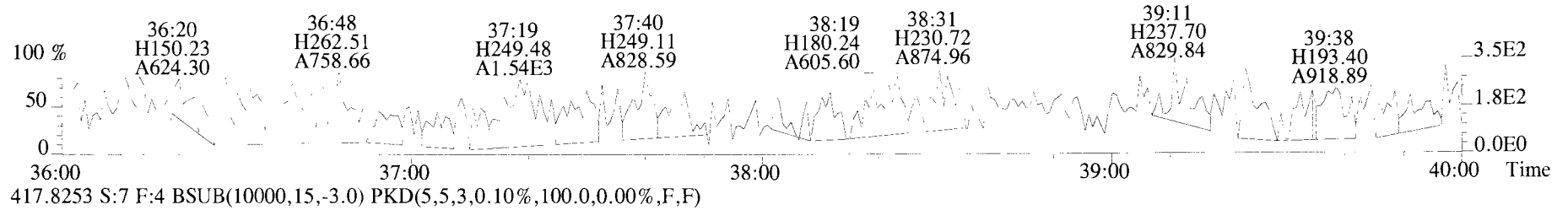
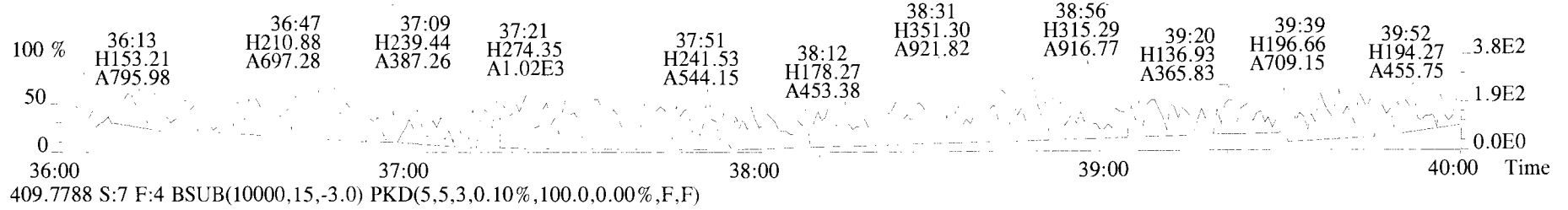
File:191028D1 #1-385 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata Analytical Laboratory VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
 383.8639 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



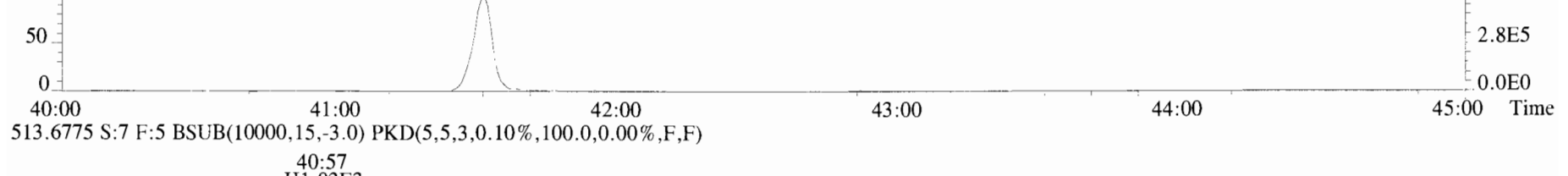
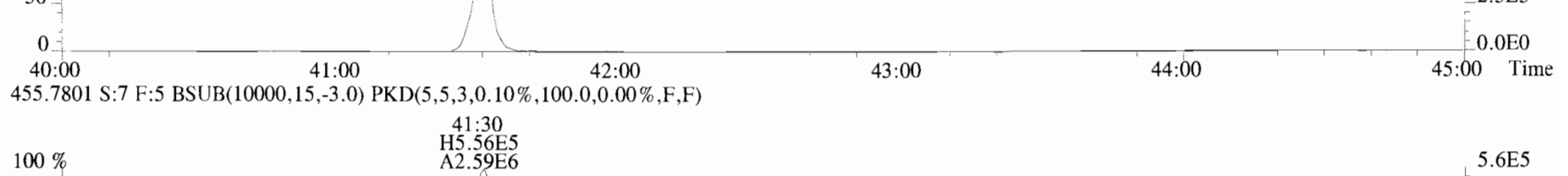
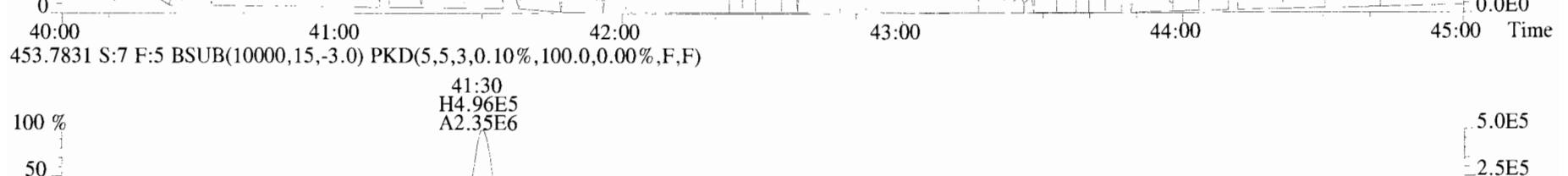
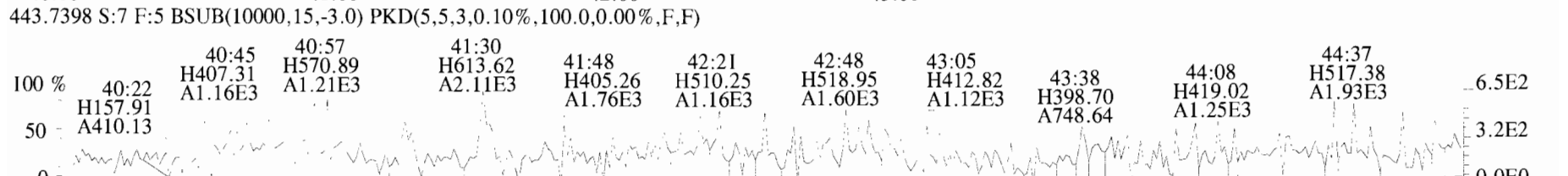
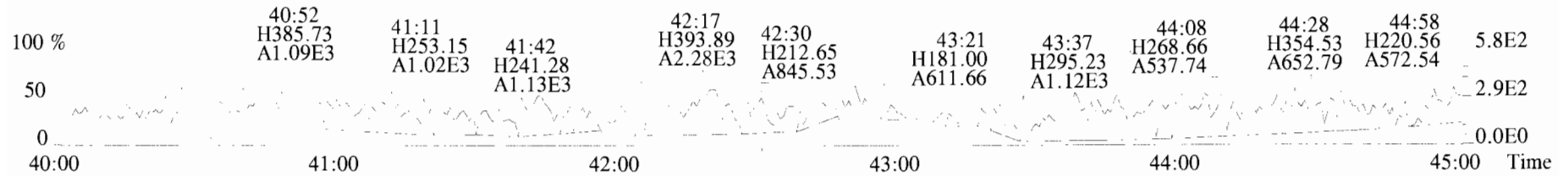
385.8610 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191028D1 #1-356 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
407.7818 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191028D1 #1-431 Acq:28-OCT-2019 17:01:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BLK1 Method Blank 1 Exp:OCDD_DB5
 441.7428 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



FORM 8A
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Vista Analytical Laboratory Extraction Batch: B9J0251 BS1

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): AQUEOUS OPR Data Filename: 191028D1-4

Ext. Date: Shift: Day Analysis Date: 28-OCT-19 Time: 14:37:14

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

| NATIVE ANALYTES | SPIKE CONC. (ng/mL) | CONC. FOUND (ng/mL) | OPR CONC. LIMITS (1) (ng/mL) |
|---------------------|---------------------------|---------------------------|------------------------------------|
| 2,3,7,8-TCDD | 10 | 11.4 | 6.7 - 15.8 7.3 - 14.6 (2) |
| 1,2,3,7,8-PeCDD | 50 | 52.7 | 35.0 - 71.0 |
| 1,2,3,4,7,8-HxCDD | 50 | 52.9 | 35.0 - 82.0 |
| 1,2,3,6,7,8-HxCDD | 50 | 55.0 | 38.0 - 67.0 |
| 1,2,3,7,8,9-HxCDD | 50 | 52.7 | 32.0 - 81.0 |
| 1,2,3,4,6,7,8-HpCDD | 50 | 52.8 | 35.0 - 70.0 |
| OCDD | 100 | 108 | 78.0 - 144.0 |
| 2,3,7,8-TCDF | 10 | 10.5 | 7.5 - 15.8 8.0 - 14.7 (2) |
| 1,2,3,7,8-PeCDF | 50 | 54.1 | 40.0 - 67.0 |
| 2,3,4,7,8-PeCDF | 50 | 52.2 | 34.0 - 80.0 |
| 1,2,3,4,7,8-HxCDF | 50 | 52.2 | 36.0 - 67.0 |
| 1,2,3,6,7,8-HxCDF | 50 | 52.1 | 42.0 - 65.0 |
| 2,3,4,6,7,8-HxCDF | 50 | 54.8 | 35.0 - 78.0 |
| 1,2,3,7,8,9-HxCDF | 50 | 52.6 | 39.0 - 65.0 |
| 1,2,3,4,6,7,8-HpCDF | 50 | 51.3 | 41.0 - 61.0 |
| 1,2,3,4,7,8,9-HpCDF | 50 | 50.5 | 39.0 - 69.0 |
| OCDF | 100 | 107 | 63.0 - 170.0 |

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613. 10/94

(2) Contract-required concentration limits for OPR as specified in Table 6a, Method 1613. 10/94

Analyst: DB

Date: 10/29/19

FORM 8B
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Vista Analytical Laboratory Extraction Batch: B9J0251-BS1

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): AQUEOUS OPR Data Filename: 191028D1-4

Ext. Date: Shift: Day Analysis Date: 28-OCT-19 Time: 14:37:14

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

| LABELED COMPOUNDS | SPIKE CONC. (ng/mL) | CONC. FOUND (ng/mL) | OPR CONC. LIMITS (1) (ng/mL) |
|-------------------------|---------------------------|---------------------------|------------------------------------|
| 13C-2,3,7,8-TCDD | 100 | 97.1 | 20.0 - 175.0 25.0 - 141.0 (2) |
| 13C-1,2,3,7,8-PeCDD | 100 | 102 | 21.0 - 227.0 |
| 13C-1,2,3,4,7,8-HxCDD | 100 | 92.4 | 21.0 - 193.0 |
| 13C-1,2,3,6,7,8-HxCDD | 100 | 80.7 | 25.0 - 163.0 |
| 13C-1,2,3,7,8,9-HxCDD | 100 | 85.1 | 21.0 - 193.0 |
| 13C-1,2,3,4,6,7,8-HpCDD | 100 | 89.3 | 26.0 - 166.0 |
| 13C-OCDD | 200 | 143 | 26.0 - 397.0 |
| 13C-2,3,7,8-TCDF | 100 | 94.2 | 22.0 - 152.0 26.0 - 126.0 (2) |
| 13C-1,2,3,7,8-PeCDF | 100 | 92.8 | 21.0 - 192.0 |
| 13C-2,3,4,7,8-PeCDF | 100 | 97.3 | 13.0 - 328.0 |
| 13C-1,2,3,4,7,8-HxCDF | 100 | 96.3 | 19.0 - 202.0 |
| 13C-1,2,3,6,7,8-HxCDF | 100 | 92.3 | 21.0 - 159.0 |
| 13C-2,3,4,6,7,8-HxCDF | 100 | 90.7 | 22.0 - 176.0 |
| 13C-1,2,3,7,8,9-HxCDF | 100 | 92.8 | 17.0 - 205.0 |
| 13C-1,2,3,4,6,7,8-HpCDF | 100 | 96.1 | 21.0 - 158.0 |
| 13C-1,2,3,4,7,8,9-HpCDF | 100 | 98.6 | 20.0 - 186.0 |
| 13C-OCDF | 200 | 176 | 26.0 - 397.0 |
| CLEANUP STANDARD | | | |
| 37Cl-2,3,7,8-TCDD | 40 | 41.0 | 12.4 - 76.4 |

(1) Contract-required concentration limits for OPR
as specified in Table 6, Method 1613. 10/94

(2) Contract-required concentration limits for OPR
as specified in Table 6a, Method 1613. 10/94

Analyst: DB

Date: 10/29/19

Client ID: OPR
Lab ID: B9J0251-BS1

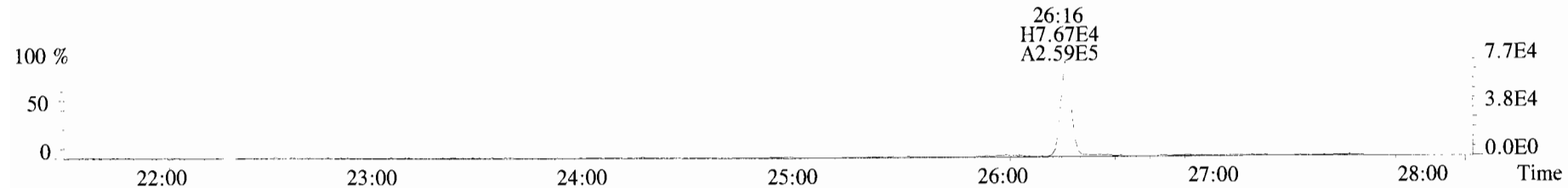
Filename: 191028D1 S:4 Acq:28-OCT-19 14:37:14
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

ConCal: ST191028D1 1
EndCAL: ST191028D1 2

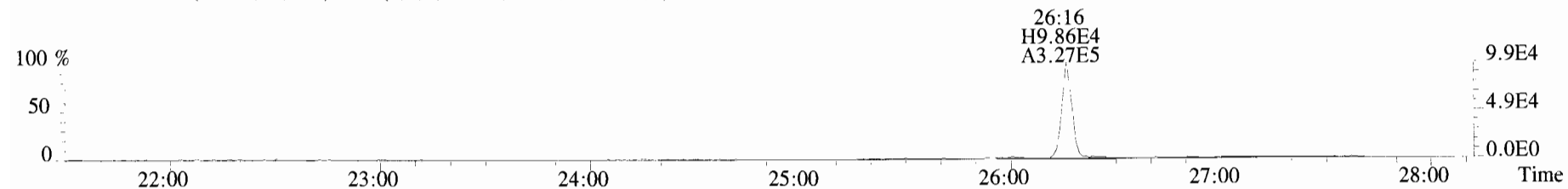
| Name | Resp | RA | RRF | RT | Conc | Qual | noise | Fac | DL | Name | Conc | EMPC | Qual | noise | DL |
|---------------------|-------------------------|----------|--------|-------|--------|--------|-------|-----|----|---------------------|--------|--------|------|-------|----|
| 2,3,7,8-TCDD | 5.86e+05 | 0.79 y | 0.91 | 26:16 | 11.374 | | * 2.5 | | * | Total Tetra-Dioxins | 11.7 | 13.4 | * | * | |
| 1,2,3,7,8-PeCDD | 2.28e+06 | 0.62 y | 0.90 | 30:46 | 52.668 | | * 2.5 | | * | Total Penta-Dioxins | 52.9 | 53.3 | * | * | |
| 1,2,3,4,7,8-HxCDD | 2.42e+06 | 1.27 y | 1.10 | 34:05 | 52.905 | | * 2.5 | | * | Total Hexa-Dioxins | 161 | 162 | * | * | |
| 1,2,3,6,7,8-HxCDD | 2.49e+06 | 1.18 y | 0.94 | 34:12 | 54.974 | | * 2.5 | | * | Total Hepta-Dioxins | 54.6 | 55.9 | * | * | |
| 1,2,3,7,8,9-HxCDD | 2.43e+06 | 1.20 y | 0.96 | 34:29 | 52.735 | | * 2.5 | | * | Total Tetra-Furans | 10.9 | 12.5 | * | * | |
| 1,2,3,4,6,7,8-HpCDD | 2.11e+06 | 1.01 y | 0.98 | 37:58 | 52.779 | | * 2.5 | | * | Total Penta-Furans | 106.89 | 108.67 | * | * | |
| OCDD | 3.00e+06 | 0.88 y | 0.96 | 41:18 | 108.02 | | * 2.5 | | * | Total Hexa-Furans | 212 | 213 | * | * | |
| 2,3,7,8-TCDF | 8.85e+05 | 0.80 y | 0.95 | 25:29 | 10.514 | | * 2.5 | | * | Total Hepta Furans | 103 | 104 | * | * | |
| 1,2,3,7,8-PeCDF | 3.74e+06 | 1.71 y | 0.96 | 29:35 | 54.087 | | * 2.5 | | * | | | | | | |
| 2,3,4,7,8-PeCDF | 3.97e+06 | 1.61 y | 1.01 | 30:29 | 52.171 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,7,8-HxCDF | 3.44e+06 | 1.21 y | 1.18 | 33:11 | 52.241 | | * 2.5 | | * | | | | | | |
| 1,2,3,6,7,8-HxCDF | 3.72e+06 | 1.23 y | 1.07 | 33:19 | 52.109 | | * 2.5 | | * | | | | | | |
| 2,3,4,6,7,8-HxCDF | 3.69e+06 | 1.24 y | 1.11 | 33:55 | 54.817 | | * 2.5 | | * | | | | | | |
| 1,2,3,7,8,9-HxCDF | 3.00e+06 | 1.24 y | 1.06 | 34:52 | 52.596 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | 2.94e+06 | 1.02 y | 1.13 | 36:44 | 51.282 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,7,8,9-HpCDF | 2.59e+06 | 1.03 y | 1.28 | 38:30 | 50.501 | | * 2.5 | | * | | | | | | |
| OCDF | 4.29e+06 | 0.89 y | 0.95 | 41:31 | 106.80 | | * 2.5 | | * | | | | | | |
| IS | 13C-2,3,7,8-TCDD | 5.69e+06 | 0.79 y | 1.10 | 26:15 | 97.097 | | | | Rec | Qual | | | | |
| IS | 13C-1,2,3,7,8-PeCDD | 4.80e+06 | 0.61 y | 0.88 | 30:45 | 101.73 | | | | 97.1 | | | | | |
| IS | 13C-1,2,3,4,7,8-HxCDD | 4.15e+06 | 1.32 y | 0.64 | 34:04 | 92.433 | | | | 102 | | | | | |
| IS | 13C-1,2,3,6,7,8-HxCDD | 4.83e+06 | 1.28 y | 0.86 | 34:11 | 80.682 | | | | 92.4 | | | | | |
| IS | 13C-1,2,3,7,8,9-HxCDD | 4.80e+06 | 1.31 y | 0.81 | 34:29 | 85.056 | | | | 80.7 | | | | | |
| IS | 13C-1,2,3,4,6,7,8-HpCDD | 4.08e+06 | 1.08 y | 0.65 | 37:57 | 89.256 | | | | 85.1 | | | | | |
| IS | 13C-OCDD | 5.80e+06 | 0.94 y | 0.58 | 41:17 | 143.06 | | | | 89.3 | | | | | |
| IS | 13C-2,3,7,8-TCDF | 8.86e+06 | 0.77 y | 1.03 | 25:28 | 94.186 | | | | 71.5 | | | | | |
| IS | 13C-1,2,3,7,8-PeCDF | 7.20e+06 | 1.58 y | 0.85 | 29:34 | 92.752 | | | | 94.2 | | | | | |
| IS | 13C-2,3,4,7,8-PeCDF | 7.49e+06 | 1.63 y | 0.85 | 30:28 | 97.303 | | | | 92.8 | | | | | |
| IS | 13C-1,2,3,4,7,8-HxCDF | 5.60e+06 | 0.51 y | 0.83 | 33:10 | 96.317 | | | | 97.3 | | | | | |
| IS | 13C-1,2,3,6,7,8-HxCDF | 6.68e+06 | 0.51 y | 1.03 | 33:18 | 92.310 | | | | 96.3 | | | | | |
| IS | 13C-2,3,4,6,7,8-HxCDF | 6.04e+06 | 0.49 y | 0.95 | 33:54 | 90.662 | | | | 92.3 | | | | | |
| IS | 13C-1,2,3,7,8,9-HxCDF | 5.37e+06 | 0.49 y | 0.83 | 34:51 | 92.784 | | | | 90.7 | | | | | |
| IS | 13C-1,2,3,4,6,7,8-HpCDF | 5.09e+06 | 0.43 y | 0.76 | 36:43 | 96.089 | | | | 92.8 | | | | | |
| IS | 13C-1,2,3,4,7,8,9-HpCDF | 4.01e+06 | 0.43 y | 0.58 | 38:30 | 98.627 | | | | 96.1 | | | | | |
| IS | 13C-OCDF | 8.49e+06 | 0.91 y | 0.69 | 41:30 | 176.24 | | | | 98.6 | | | | | |
| C/Up | 37C1-2,3,7,8-TCDD | 2.63e+06 | | 1.20 | 26:16 | 40.988 | | | | 88.1 | | | | | |
| RS/RT | 13C-1,2,3,4-TCDD | 5.35e+06 | 0.78 y | 1.00 | 25:41 | 100.00 | | | | 102 | | | | | |
| RS | 13C-1,2,3,4-TCDF | 9.09e+06 | 0.81 y | 1.00 | 24:16 | 100.00 | | | | | | | | | |
| RS/RT | 13C-1,2,3,4,6,9-HxCDF | 6.99e+06 | 0.51 y | 1.00 | 33:35 | 100.00 | | | | | | | | | |

Integrations
by DB
Analyst: DB
Date: 10/29/19
Reviewed
by CT
Analyst: CT
Date: 10/29/19

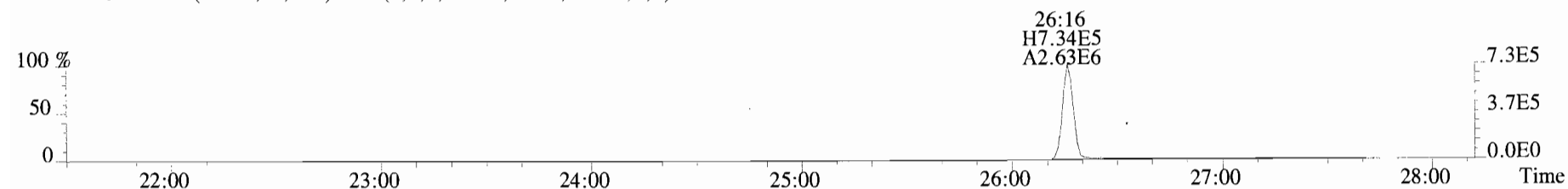
File:191028D1 #1-493 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



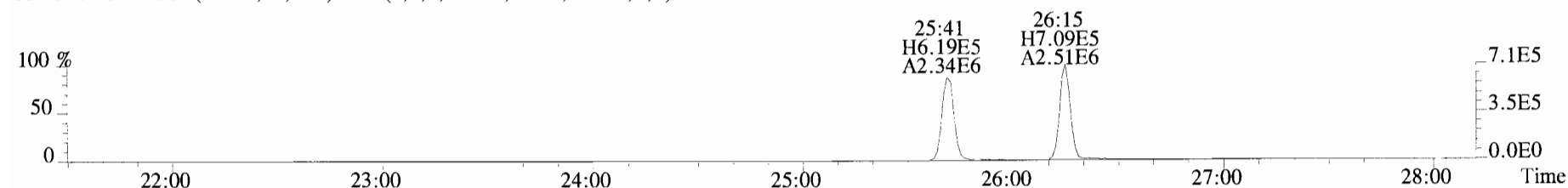
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



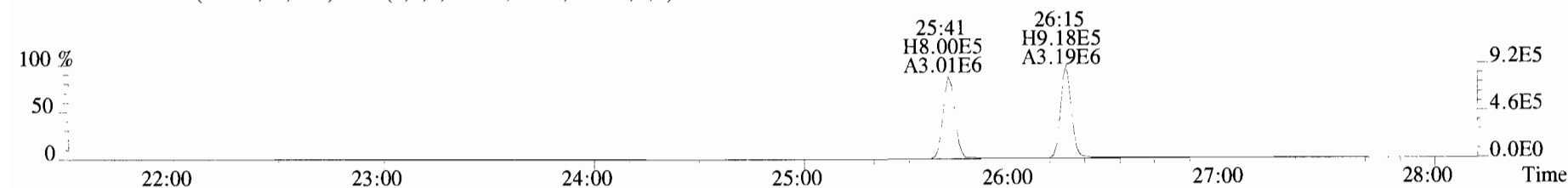
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



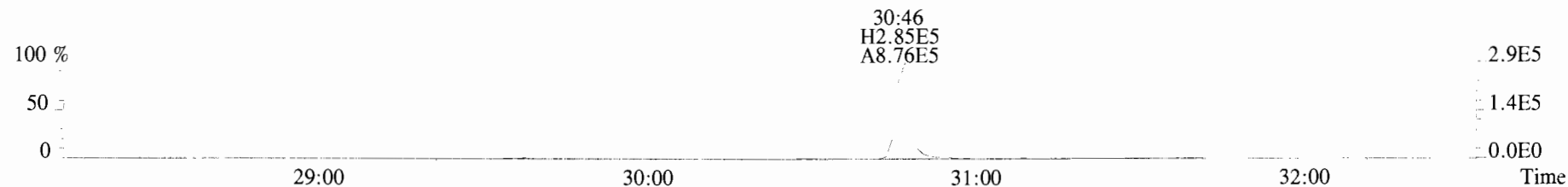
331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



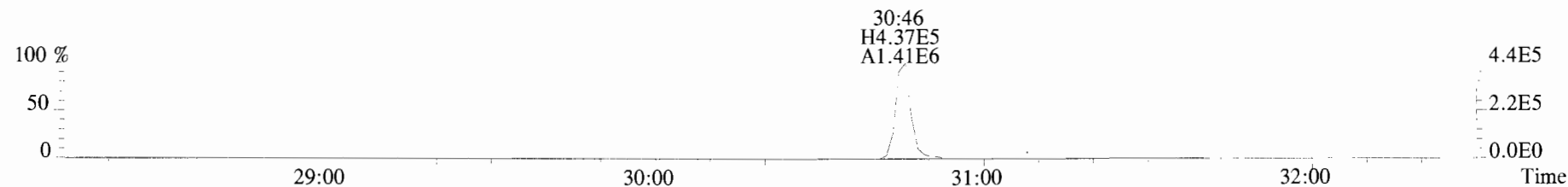
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



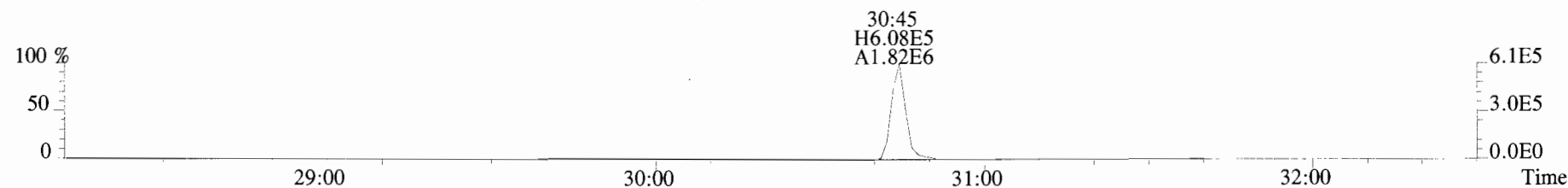
File:191028D1 #1-210 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
353.8576 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



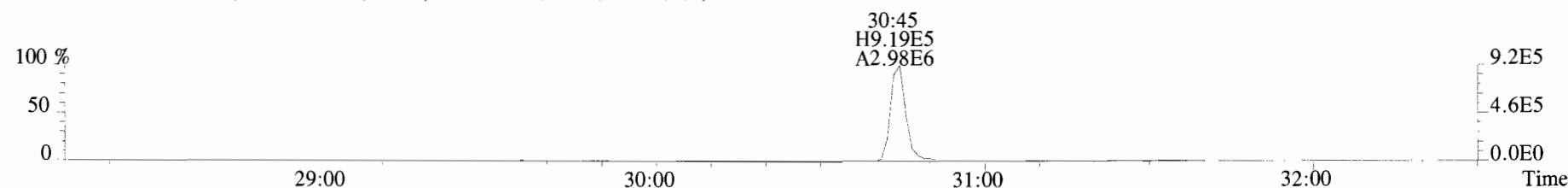
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



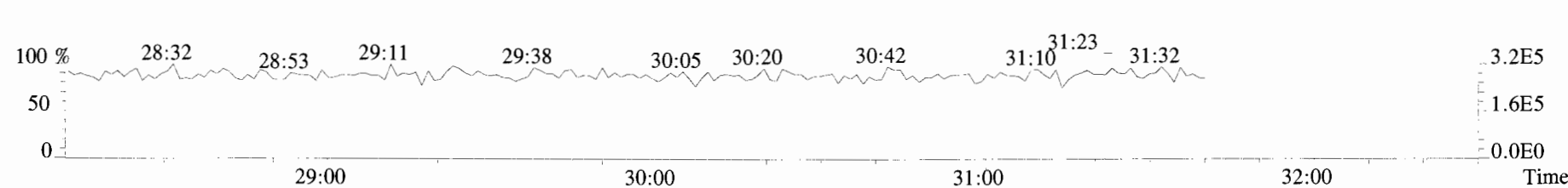
365.8978 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



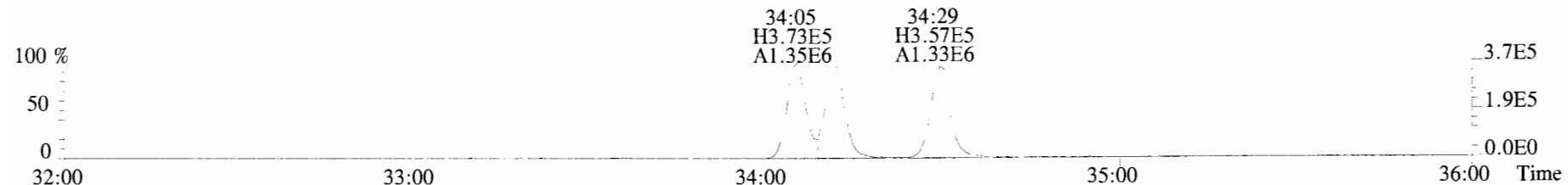
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



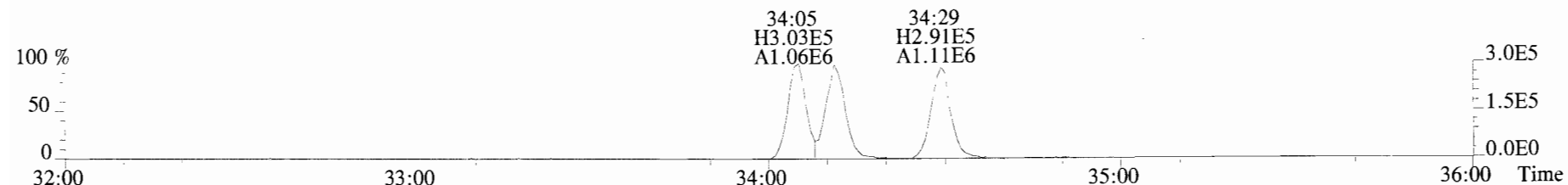
366.9792 S:4 F:2



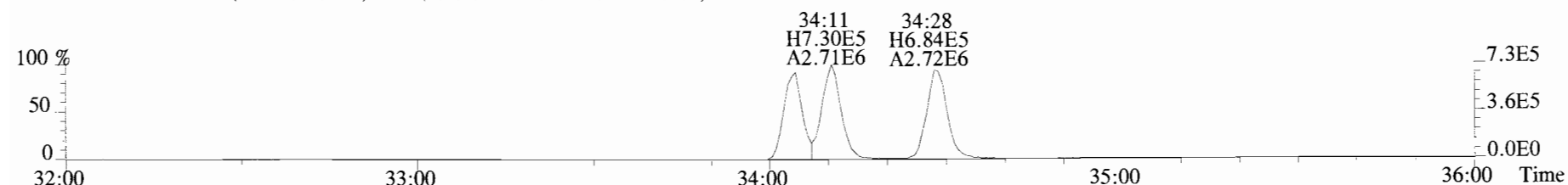
File:191028D1 #1-385 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



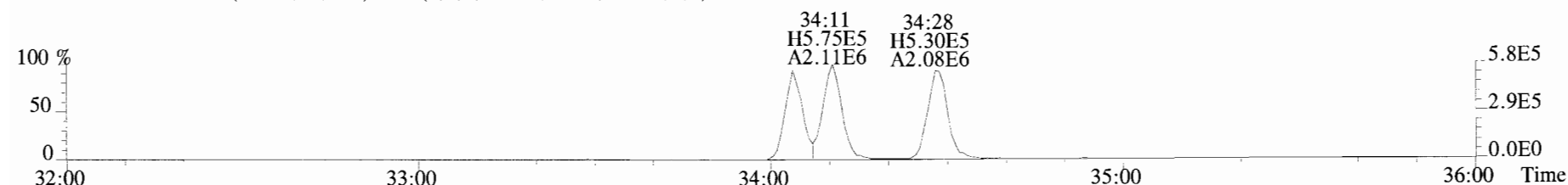
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



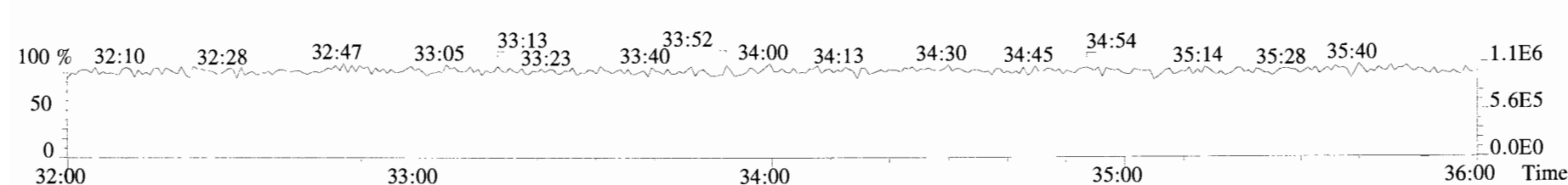
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



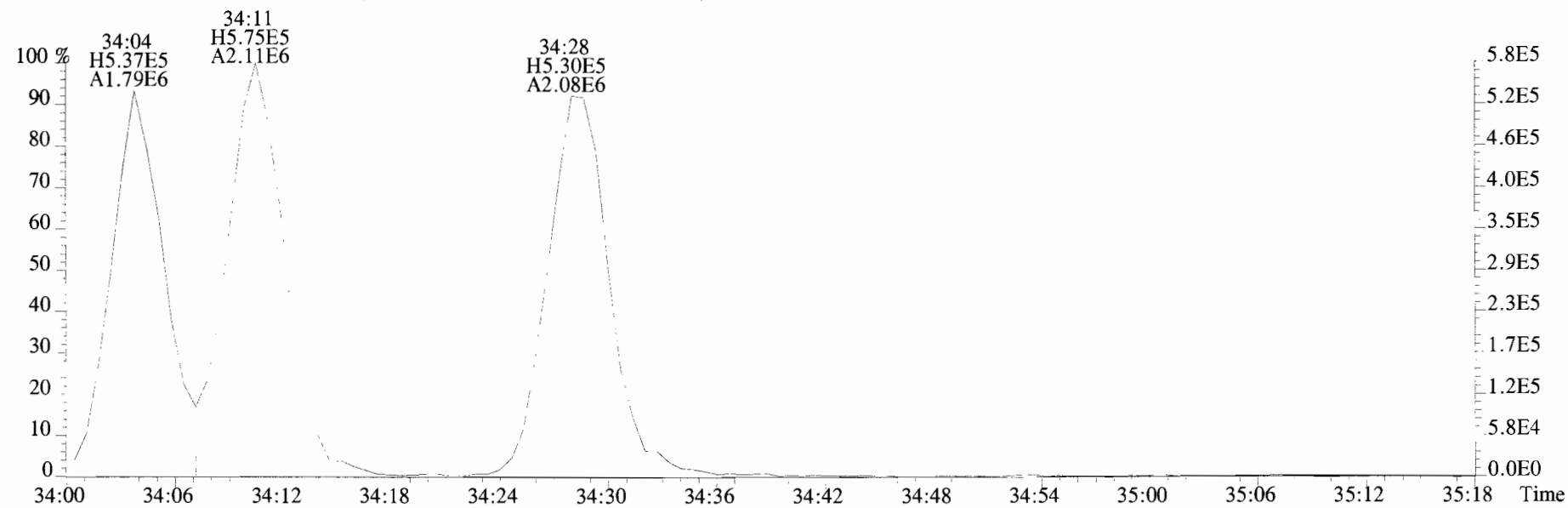
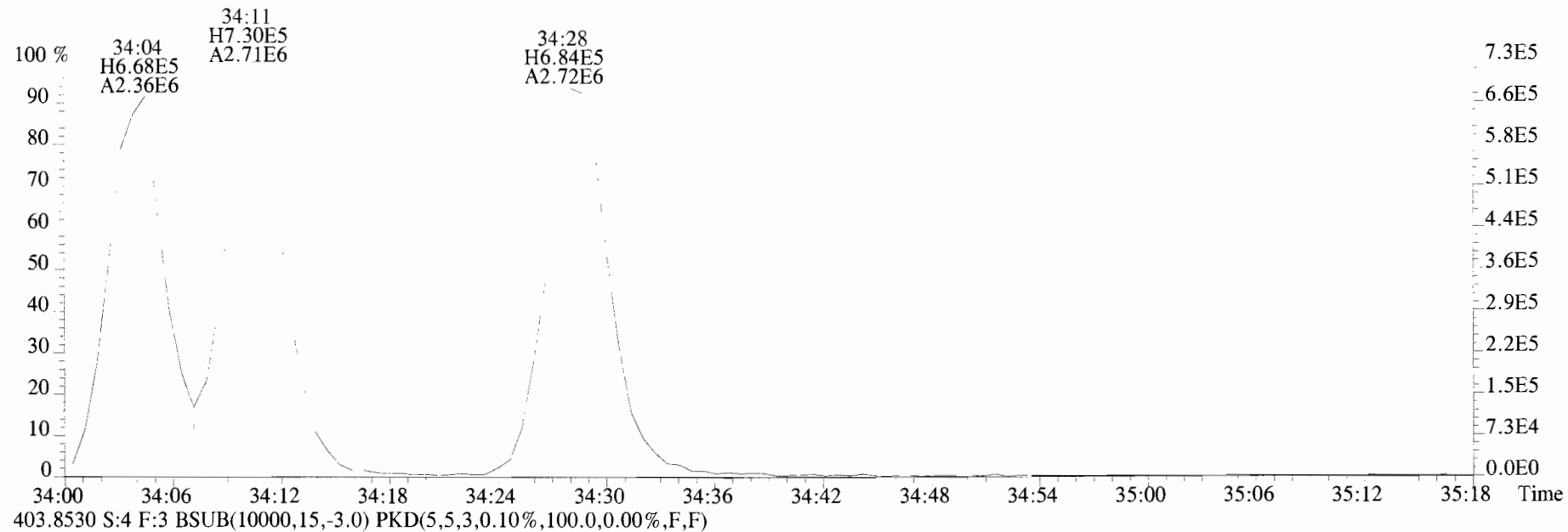
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



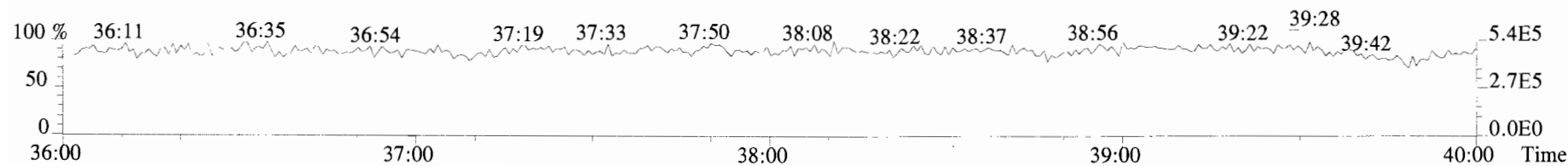
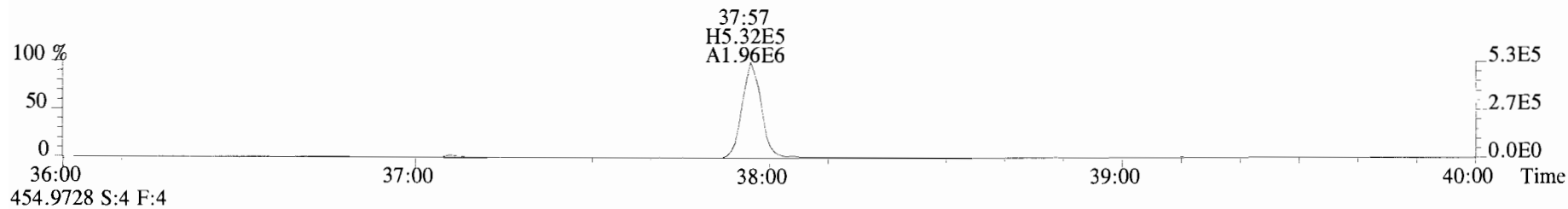
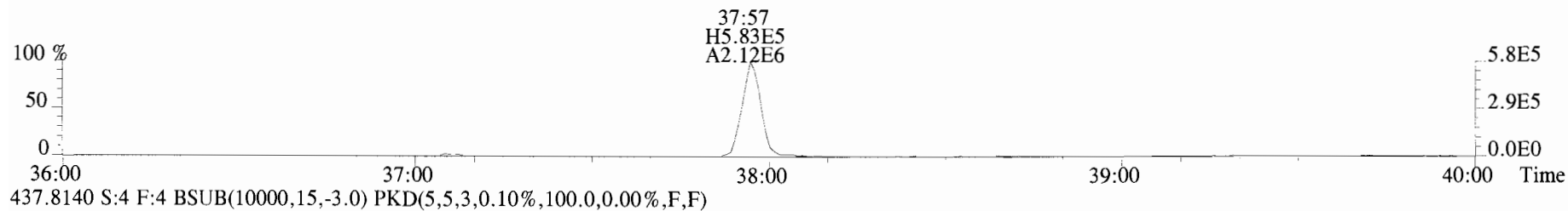
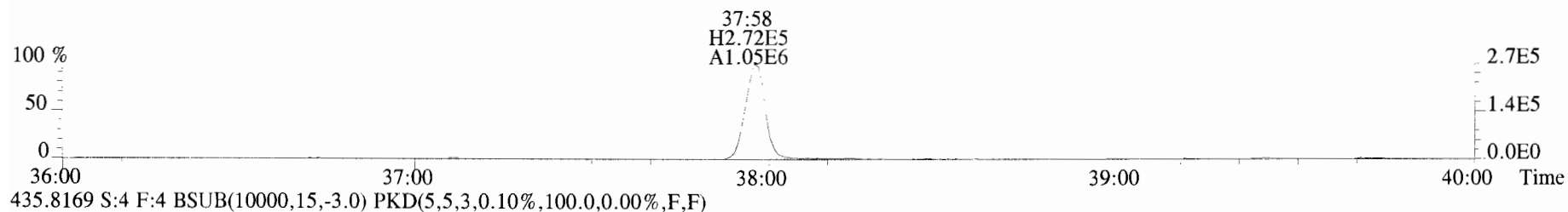
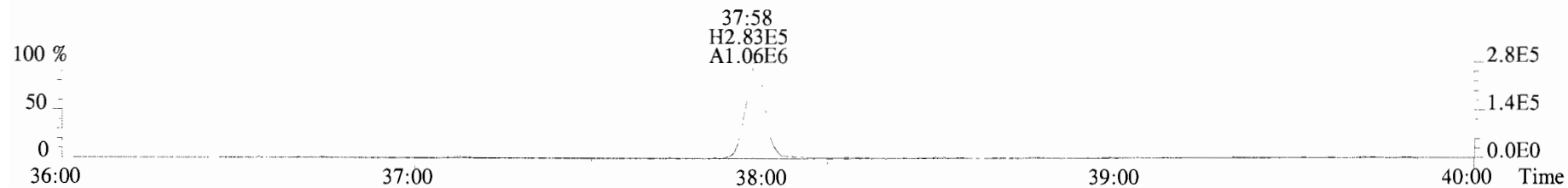
392.9760 S:4 F:3



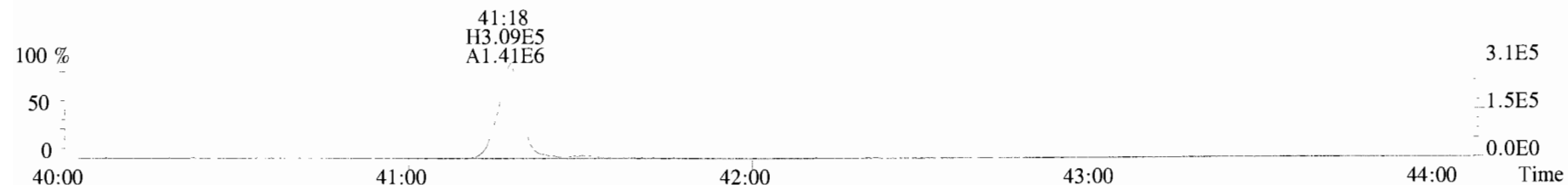
File:191028D1 #1-385 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



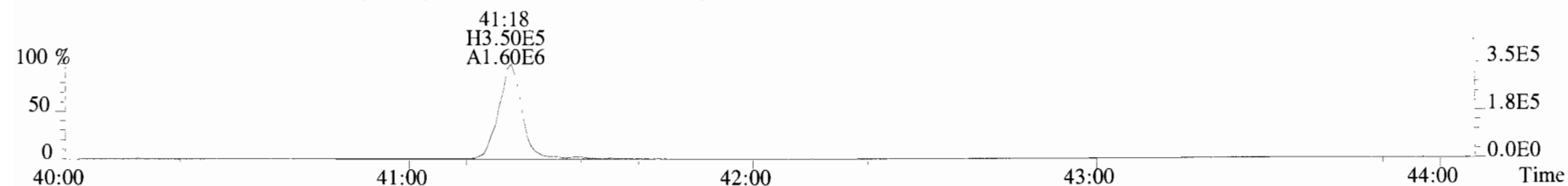
File:191028D1 #1-356 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



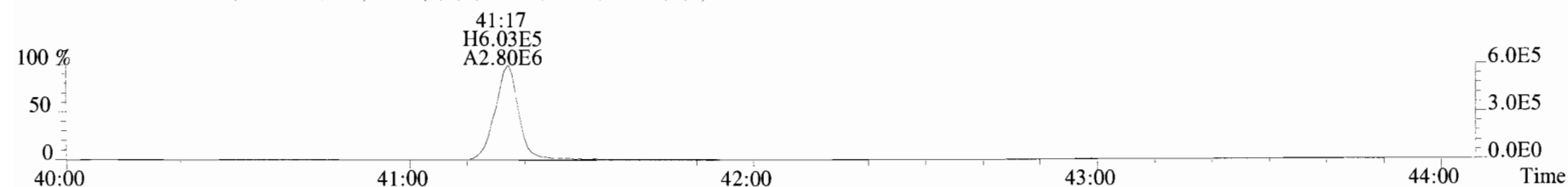
File:191028D1 #1-431 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



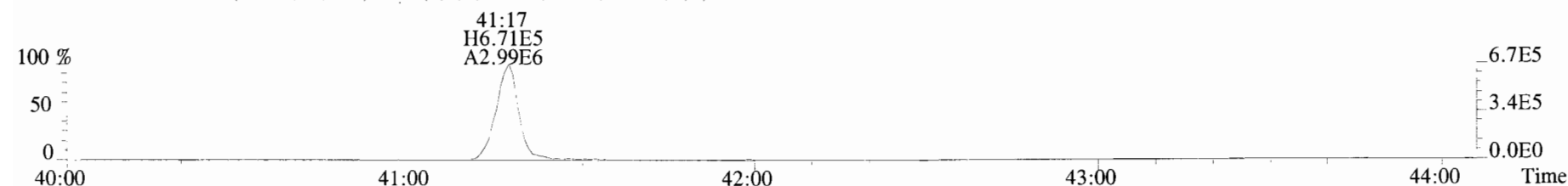
459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



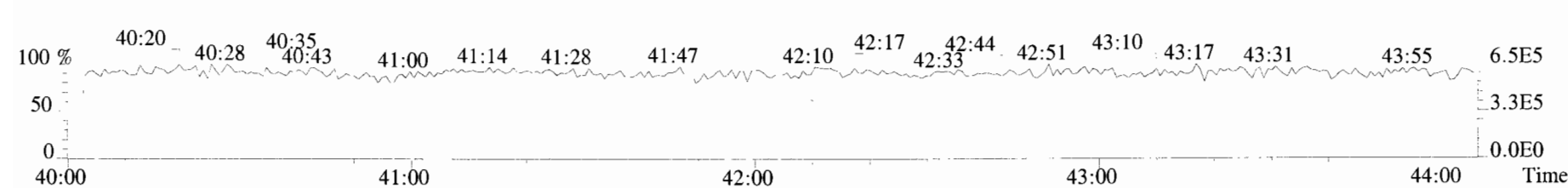
469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



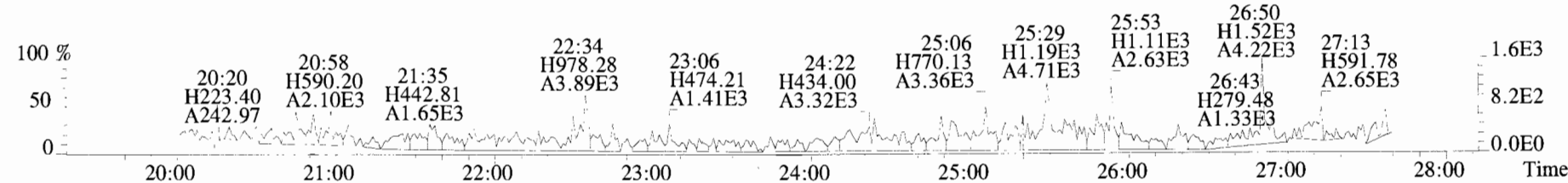
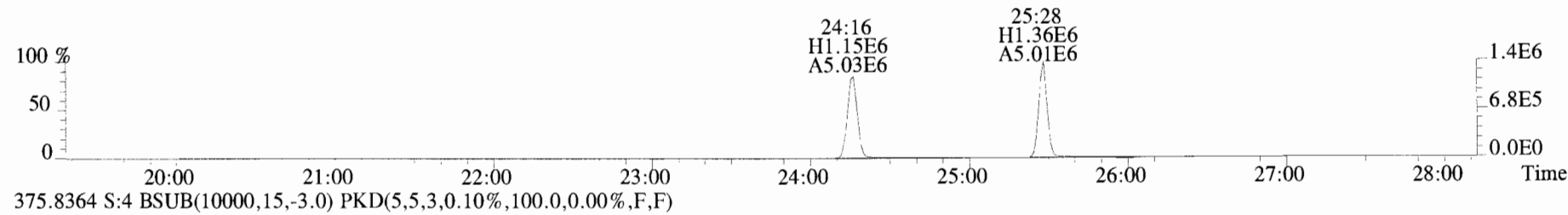
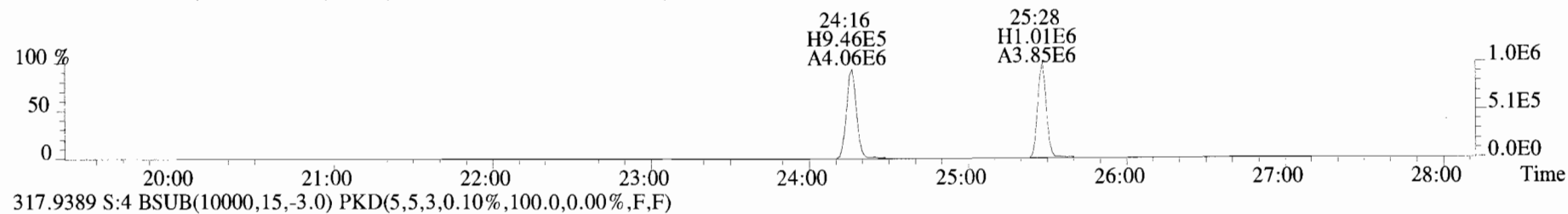
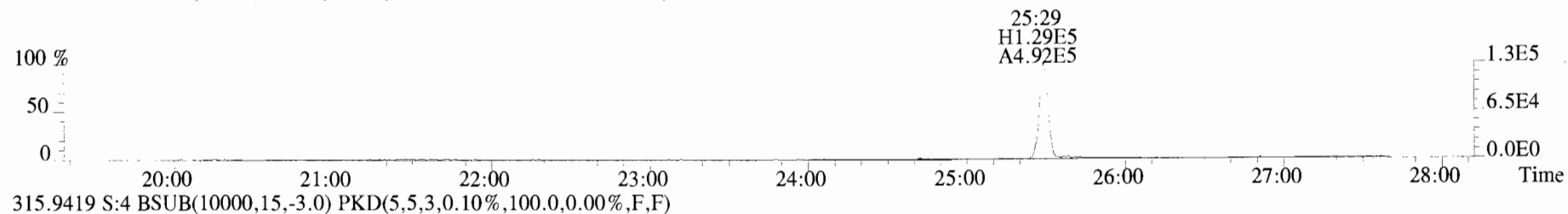
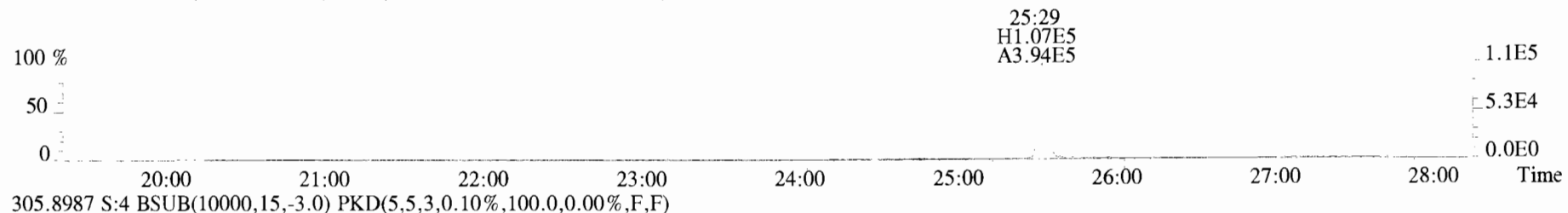
471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



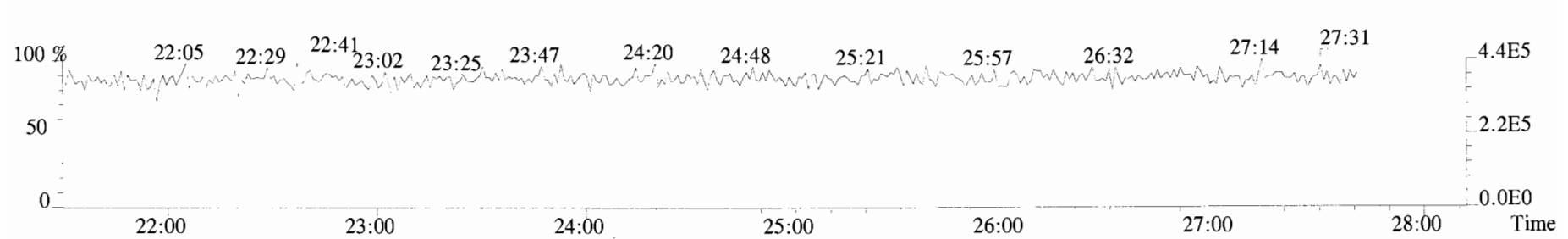
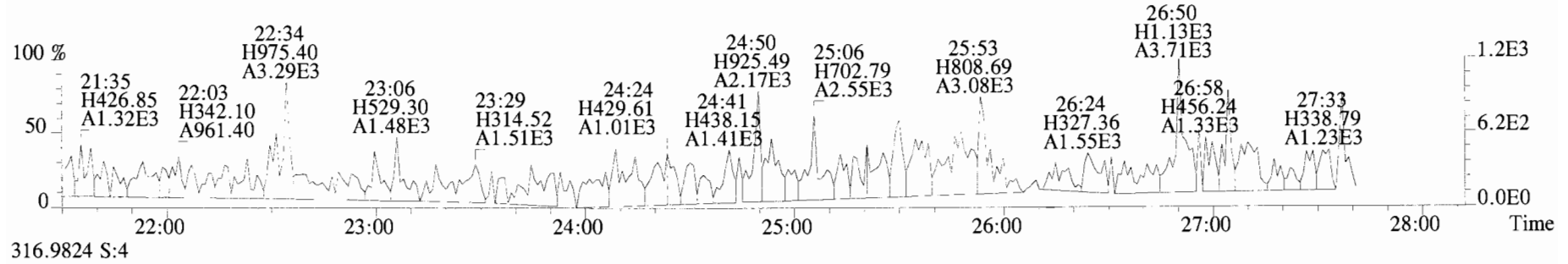
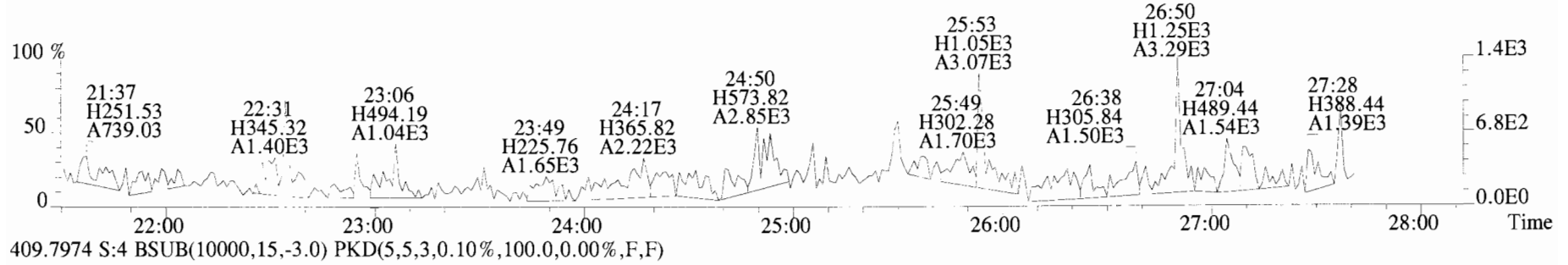
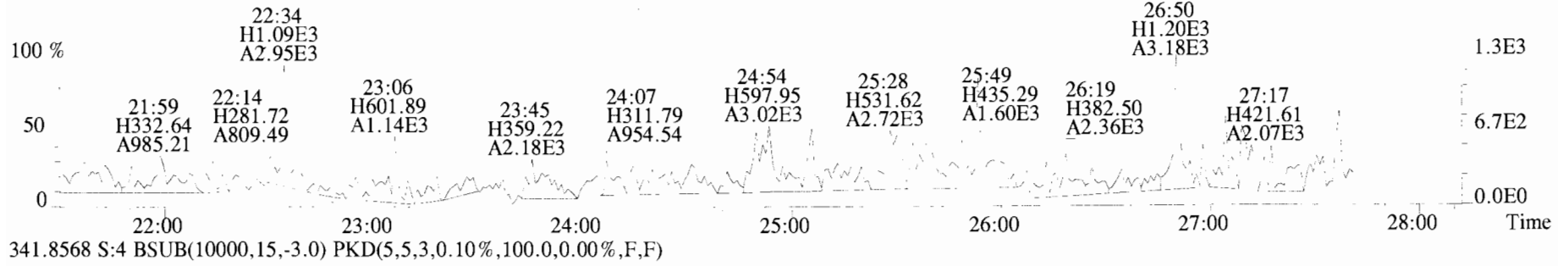
454.9728 S:4 F:5



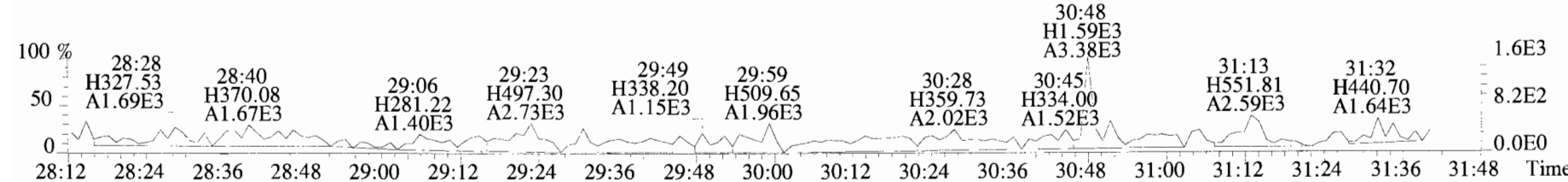
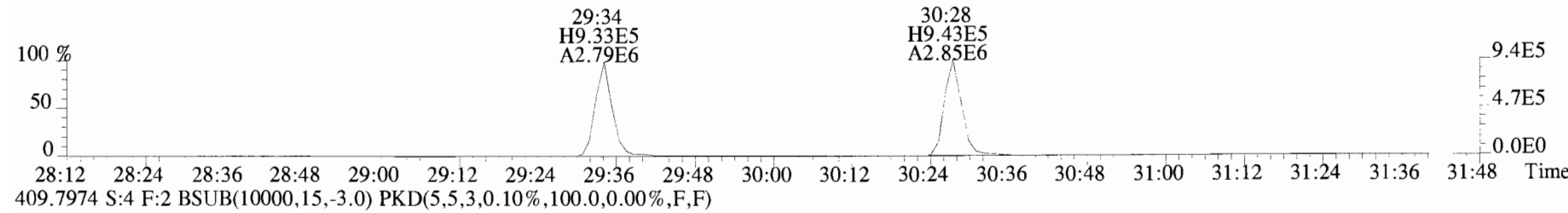
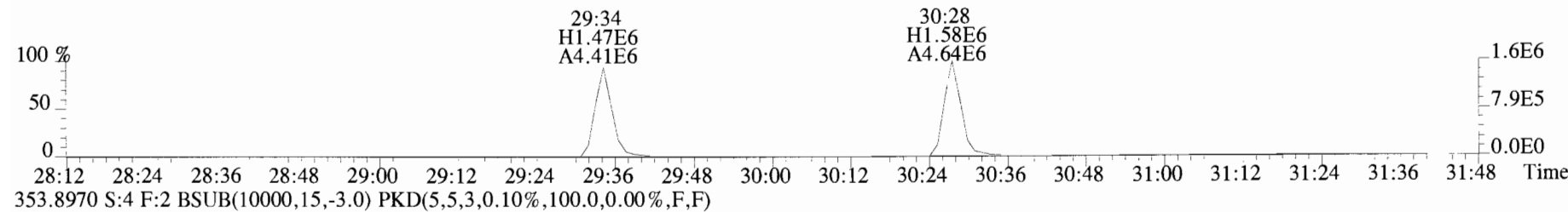
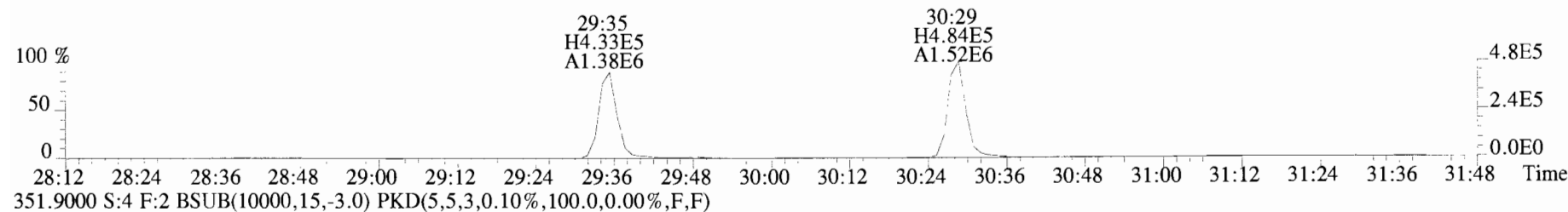
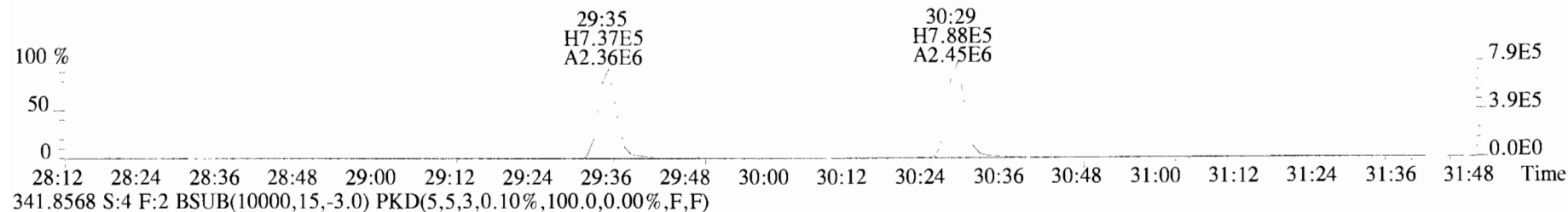
File:191028D1 #1-493 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



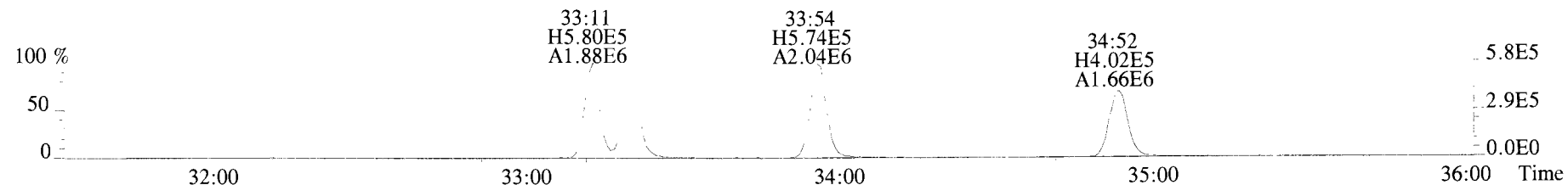
File:191028D1 #1-493 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Viata Analytical Laboratory VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
 339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



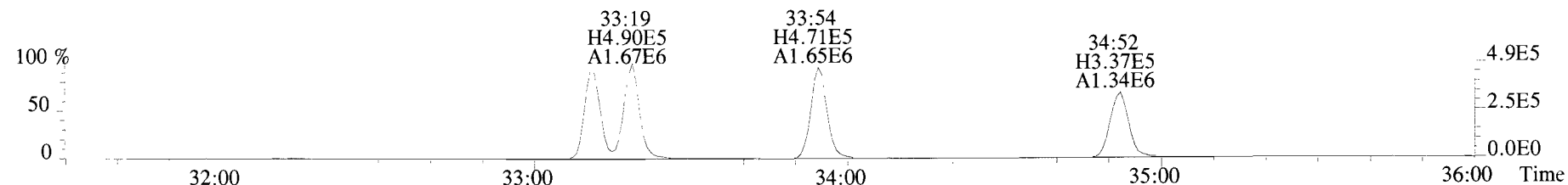
File:191028D1 #1-210 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



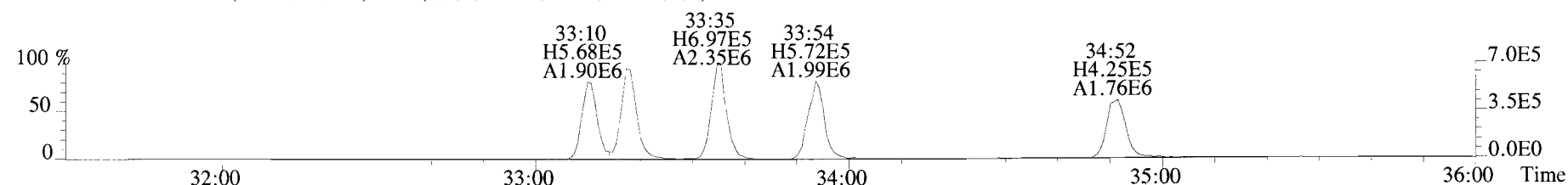
File:191028D1 #1-385 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



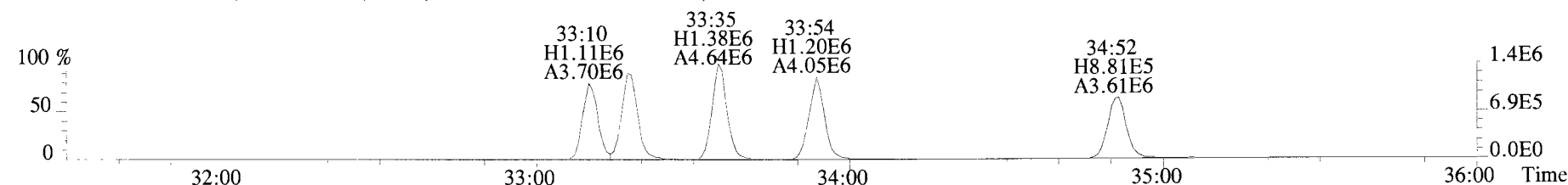
375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



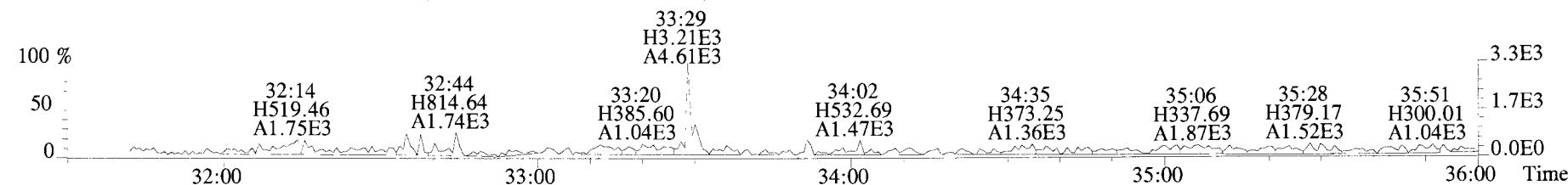
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



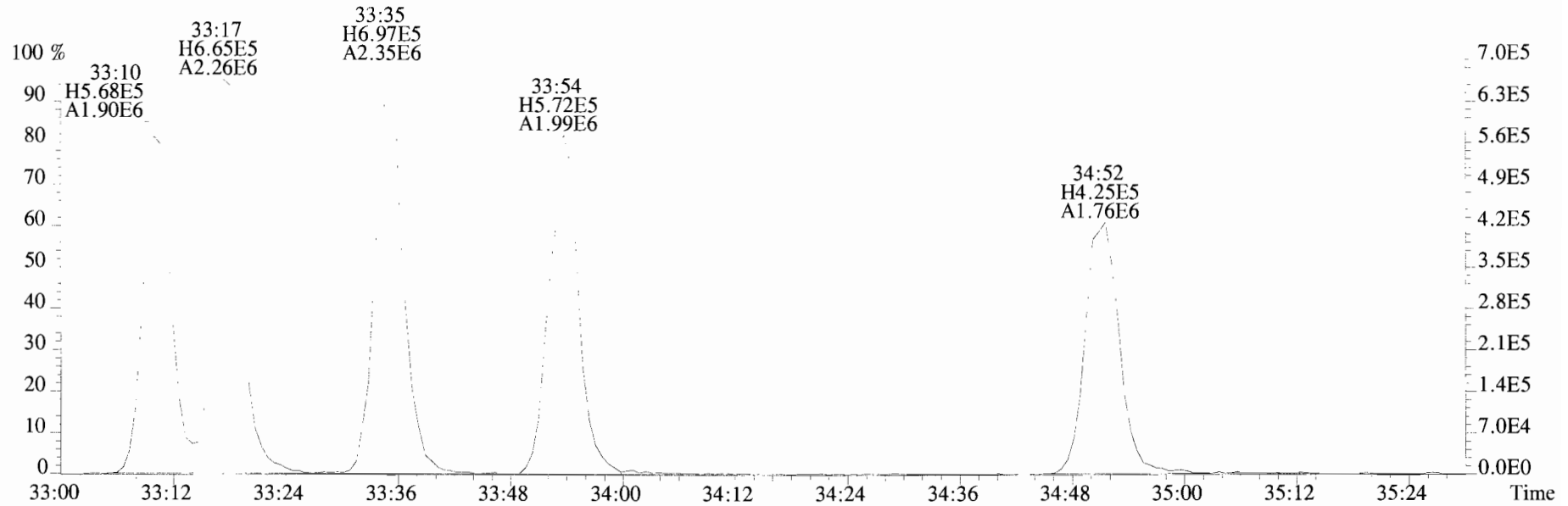
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



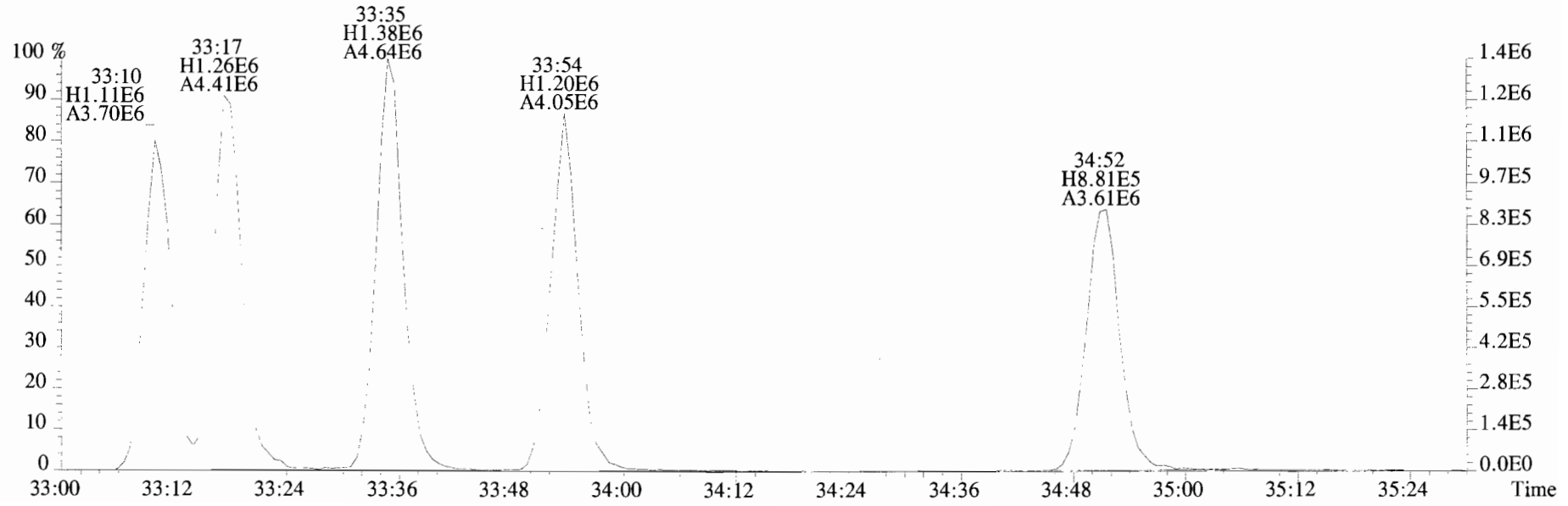
445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



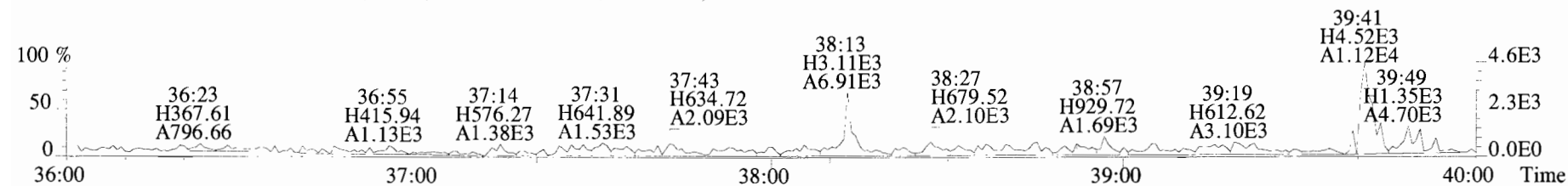
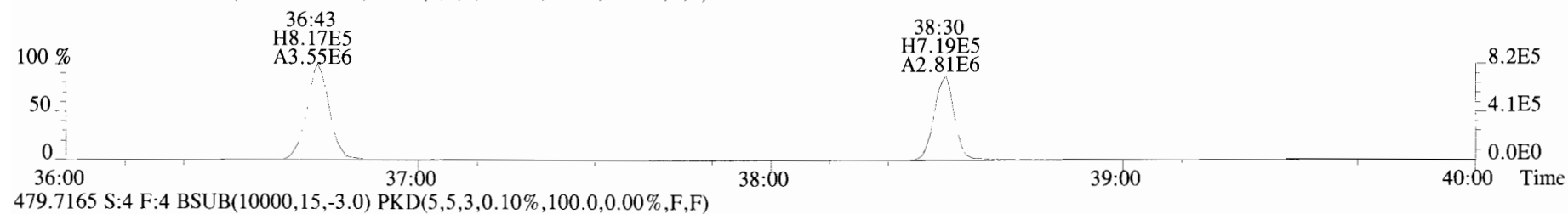
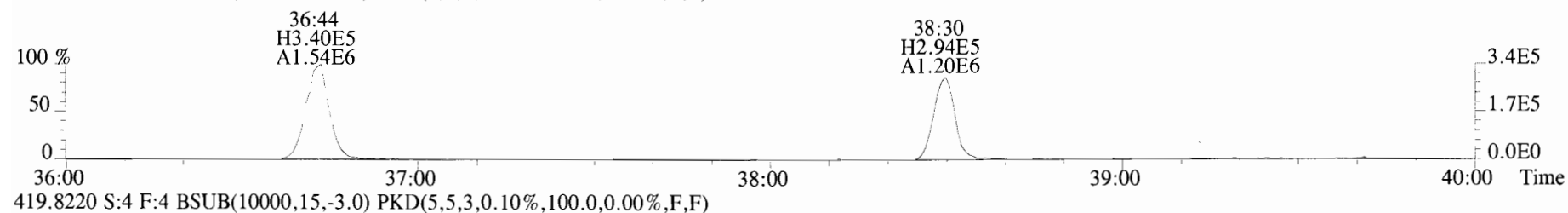
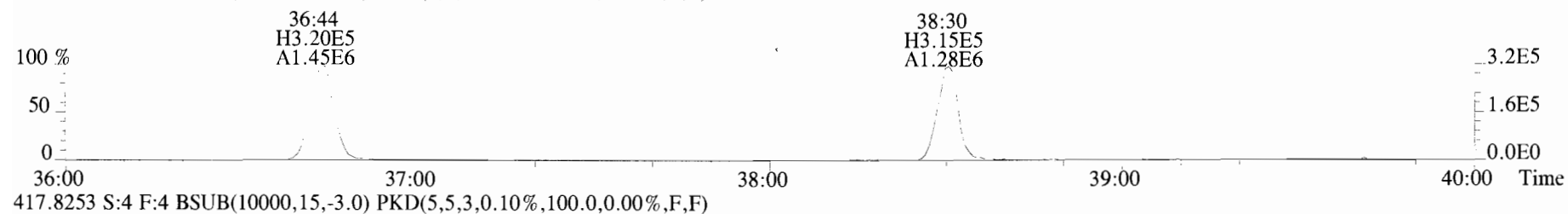
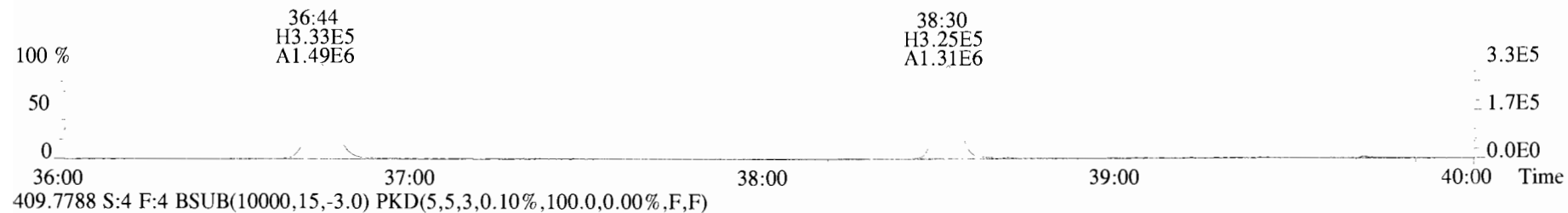
File:191028D1 #1-385 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



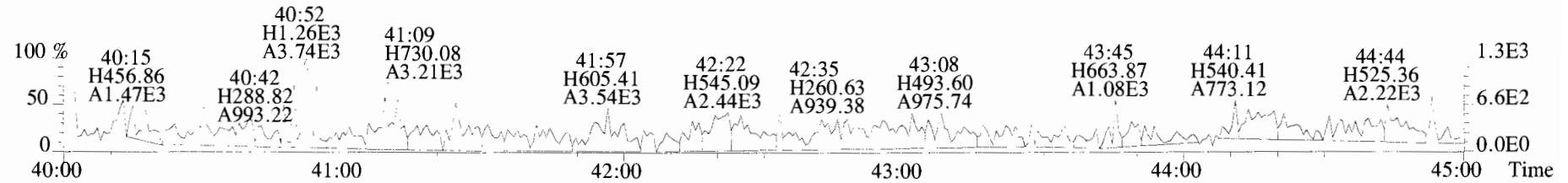
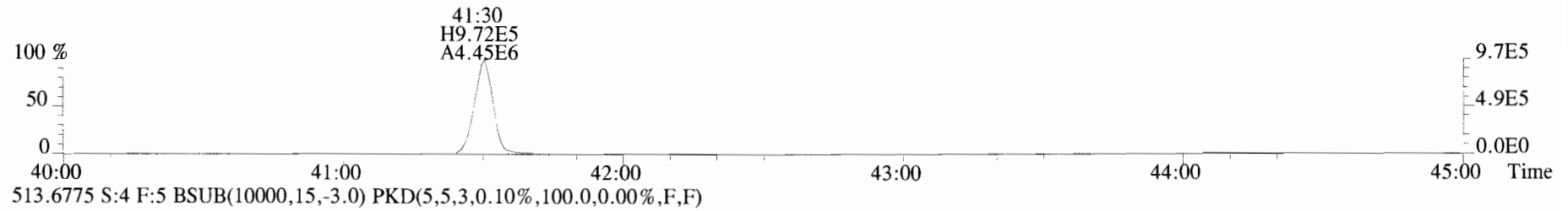
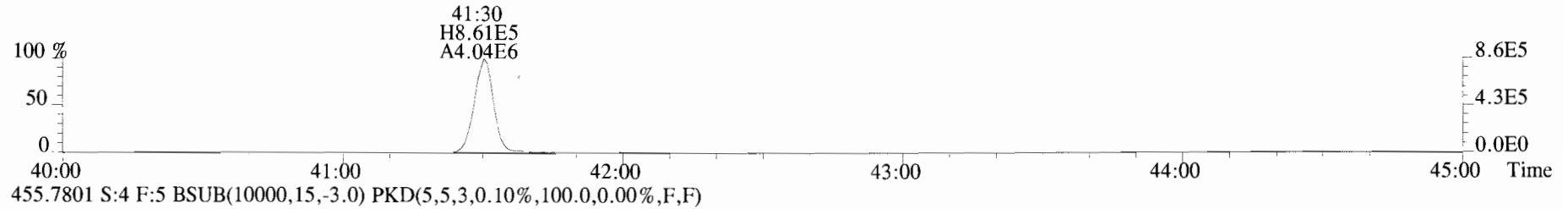
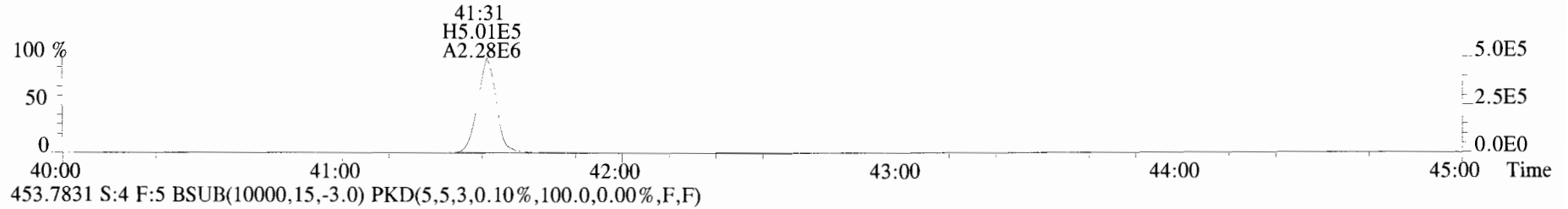
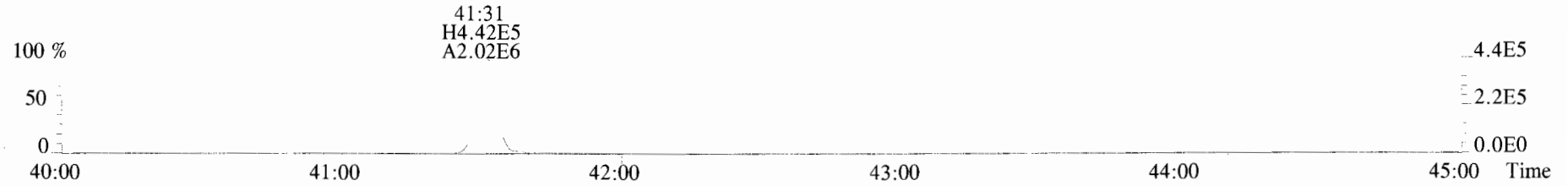
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191028D1 #1-356 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191028D1 #1-431 Acq:28-OCT-2019 14:37:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory VG7 Text:B9J0251-BS1 OPR 1 Exp:OCDD_DB5
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Client ID: RB-20190926140400
Lab ID: 1903419-01RE1

Filename: 191028D1 S:11 Acq:28-OCT-19 20:12:13
GC Column ID: ZB 5MS ICal: 1613VG7-10-9 19 wt/vol: 1.023

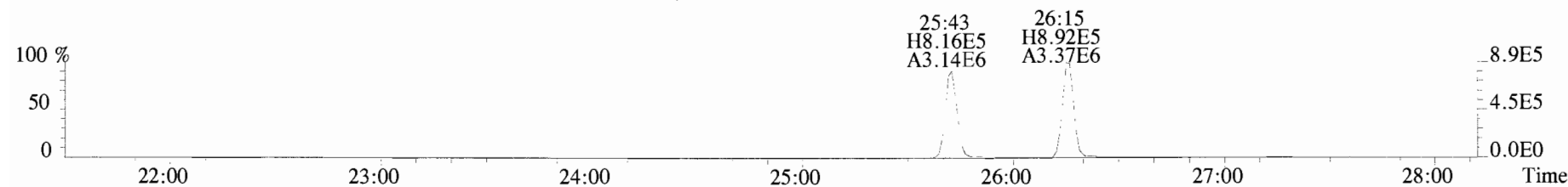
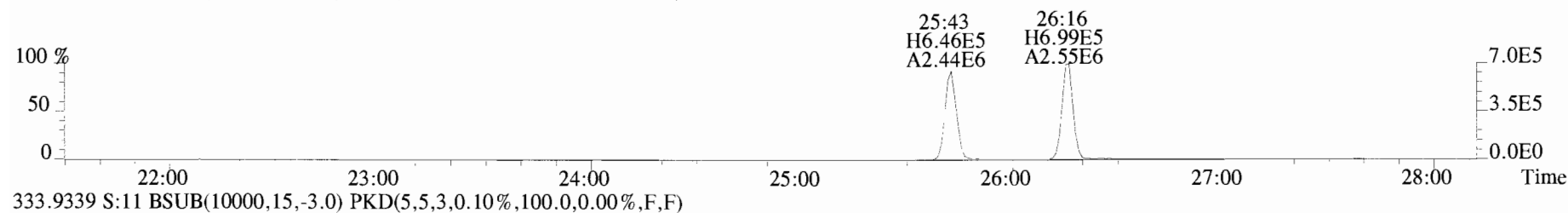
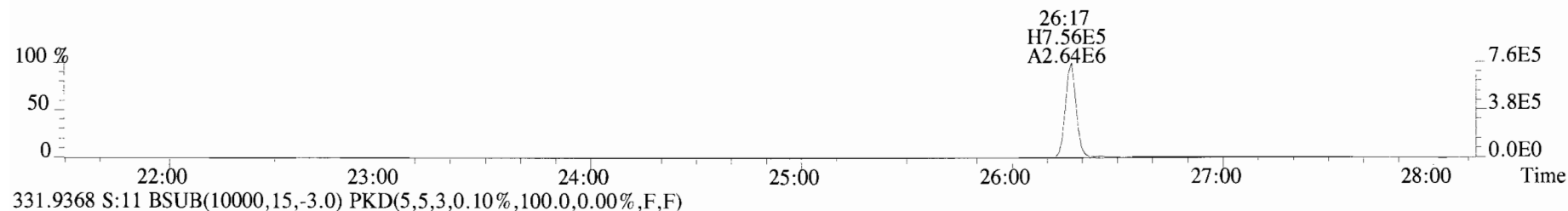
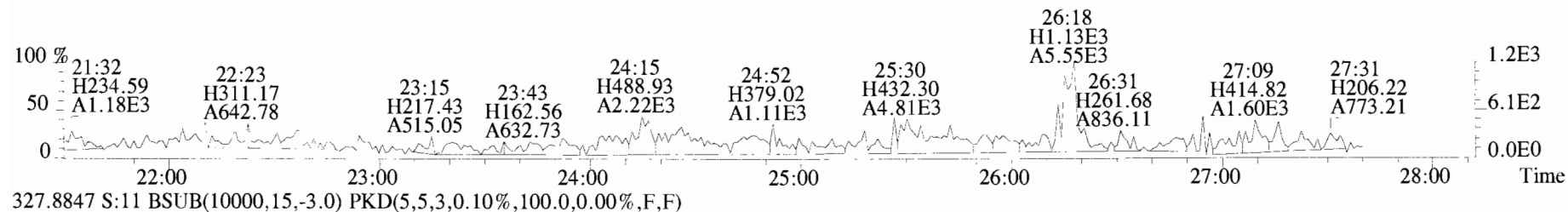
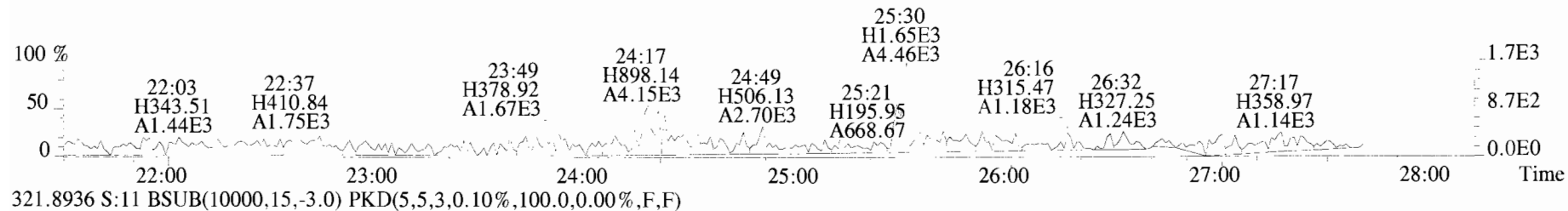
ConCal: ST191028D1-1
EndCAL: NA

Page 10 of 10

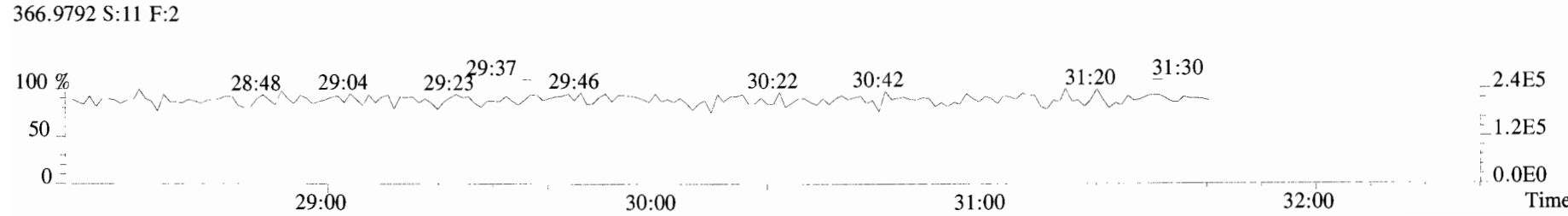
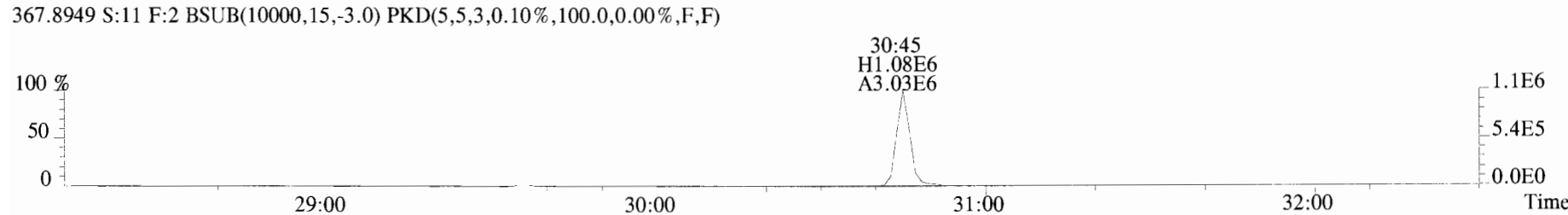
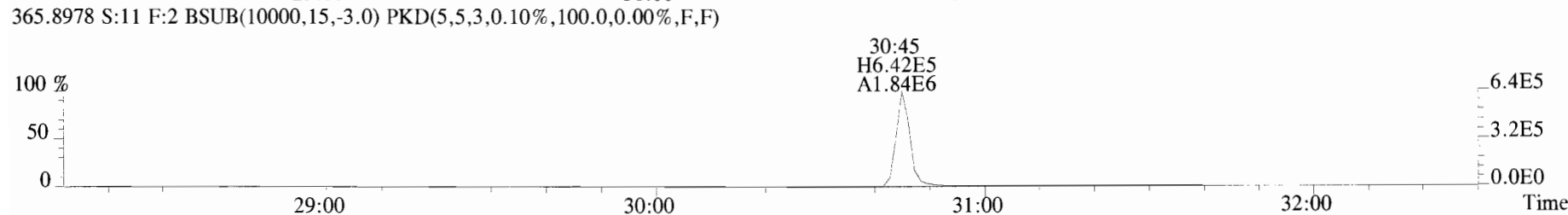
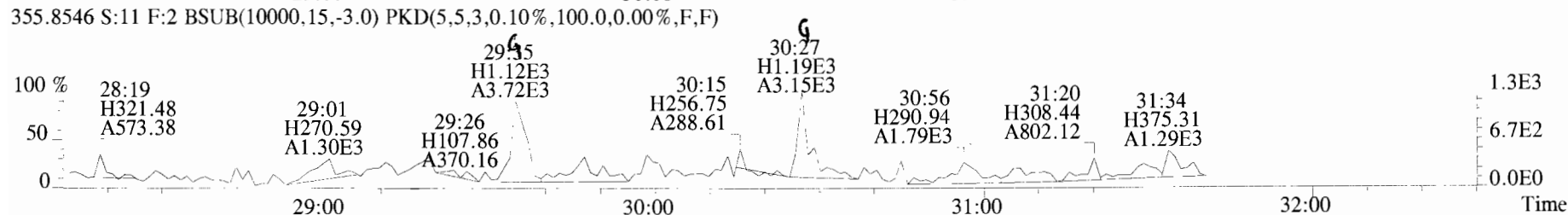
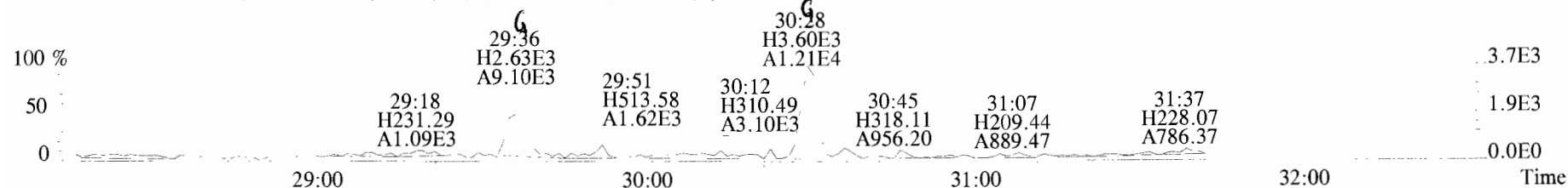
| Name | Resp | RA | RRF | RT | Conc | Qual | noise | Fac | DL | Name | Conc | EMPC | Qual | noise | DL |
|---------------------|-------------------------|----------|--------|-------------------|-------|--------|-------|-----|-------|---------------------|--------|--------|------|-------|-------|
| 2,3,7,8-TCDD | * | * n | 0.91 | NotF _η | * | | 138 | 2.5 | 0.820 | Total Tetra-Dioxins | * | * | | 138 | 0.820 |
| 1,2,3,7,8-PeCDD | * | * n | 0.90 | NotF _η | * | | 161 | 2.5 | 0.817 | Total Penta-Dioxins | * | * | | 161 | 0.817 |
| 1,2,3,4,7,8-HxCDD | * | * n | 1.10 | NotF _η | * | | 136 | 2.5 | 1.14 | Total Hexa-Dioxins | * | * | | 136 | 1.25 |
| 1,2,3,6,7,8-HxCDD | * | * n | 0.94 | NotF _η | * | | 136 | 2.5 | 1.27 | Total Hepta-Dioxins | * | * | | 122 | 1.19 |
| 1,2,3,7,8,9-HxCDD | * | * n | 0.96 | NotF _η | * | | 136 | 2.5 | 1.33 | Total Tetra-Furans | * | * | | 130 | 0.543 |
| 1,2,3,4,6,7,8-HpCDD | * | * n | 0.98 | NotF _η | * | | 122 | 2.5 | 1.19 | Total Penta-Furans | 0.0000 | 0.0000 | | 119 | 0.622 |
| OCDD | * | * n | 0.96 | NotF _η | * | | 119 | 2.5 | 2.02 | Total Hexa-Furans | * | * | | 124 | 0.499 |
| | | | | | | | | | | Total Hepta-Furans | * | * | | 113 | 0.621 |
| 2,3,7,8-TCDF | * | * n | 0.95 | NotF _η | * | | 130 | 2.5 | 0.543 | | | | | | |
| 1,2,3,7,8-PeCDF | * | * n | 0.96 | NotF _η | * | | 119 | 2.5 | 0.660 | | | | | | |
| 2,3,4,7,8-PeCDF | * | * n | 1.01 | NotF _η | * | | 119 | 2.5 | 0.587 | | | | | | |
| 1,2,3,4,7,8-HxCDF | * | * n | 1.18 | NotF _η | * | | 124 | 2.5 | 0.423 | | | | | | |
| 1,2,3,6,7,8-HxCDF | * | * n | 1.07 | NotF _η | * | | 124 | 2.5 | 0.468 | | | | | | |
| 2,3,4,6,7,8-HxCDF | * | * n | 1.11 | NotF _η | * | | 124 | 2.5 | 0.468 | | | | | | |
| 1,2,3,7,8,9-HxCDF | * | * n | 1.06 | NotF _η | * | | 124 | 2.5 | 0.662 | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | * | * n | 1.13 | NotF _η | * | | 113 | 2.5 | 0.637 | | | | | | |
| 1,2,3,4,7,8,9-HpCDF | * | * n | 1.28 | NotF _η | * | | 113 | 2.5 | 0.602 | | | | | | |
| OCDF | * | * n | 0.95 | NotF _η | * | | 197 | 2.5 | 2.35 | | | | | | |
| IS | | | | | | | | | | Rec | Qual | | | | |
| IS | 13C-2,3,7,8-TCDD | 5.91e+06 | 0.76 y | 1.10 | 26:16 | 1891.6 | | | | 96.8 | | | | | |
| IS | 13C-1,2,3,7,8-PeCDD | 4.87e+06 | 0.61 y | 0.88 | 30:45 | 1936.2 | | | | 99.0 | | | | | |
| IS | 13C-1,2,3,4,7,8-HxCDD | 4.27e+06 | 1.23 y | 0.64 | 34:05 | 1806.9 | | | | 92.4 | | | | | |
| IS | 13C-1,2,3,6,7,8-HxCDD | 4.90e+06 | 1.34 y | 0.86 | 34:11 | 1554.8 | | | | 79.5 | | | | | |
| IS | 13C-1,2,3,7,8,9-HxCDD | 4.79e+06 | 1.28 y | 0.81 | 34:29 | 1613.7 | | | | 82.6 | | | | | |
| IS | 13C-1,2,3,4,6,7,8-HpCDD | 3.95e+06 | 1.03 y | 0.65 | 37:58 | 1642.1 | | | | 84.0 | | | | | |
| IS | 13C-OCDD | 5.24e+06 | 0.91 y | 0.58 | 41:18 | 2453.1 | | | | 62.7 | | | | | |
| IS | 13C-2,3,7,8-TCDF | 9.12e+06 | 0.83 y | 1.03 | 25:29 | 1827.6 | | | | 93.5 | | | | | |
| IS | 13C-1,2,3,7,8-PeCDF | 7.38e+06 | 1.59 y | 0.85 | 29:35 | 1792.1 | | | | 91.7 | | | | | |
| IS | 13C-2,3,4,7,8-PeCDF | 7.66e+06 | 1.62 y | 0.85 | 30:28 | 1875.3 | | | | 95.9 | | | | | |
| IS | 13C-1,2,3,4,7,8-HxCDF | 5.76e+06 | 0.51 y | 0.83 | 33:11 | 1882.0 | | | | 96.3 | | | | | |
| IS | 13C-1,2,3,6,7,8-HxCDF | 6.74e+06 | 0.52 y | 1.03 | 33:18 | 1769.7 | | | | 90.5 | | | | | |
| IS | 13C-2,3,4,6,7,8-HxCDF | 6.33e+06 | 0.51 y | 0.95 | 33:54 | 1803.4 | | | | 92.3 | | | | | |
| IS | 13C-1,2,3,7,8,9-HxCDF | 5.45e+06 | 0.50 y | 0.83 | 34:52 | 1790.2 | | | | 91.6 | | | | | |
| IS | 13C-1,2,3,4,6,7,8-HpCDF | 5.23e+06 | 0.44 y | 0.76 | 36:43 | 1876.0 | | | | 96.0 | | | | | |
| IS | 13C-1,2,3,4,7,8,9-HpCDF | 4.07e+06 | 0.43 y | 0.58 | 38:30 | 1900.4 | | | | 97.2 | | | | | |
| IS | 13C-OCDF | 7.54e+06 | 0.91 y | 0.69 | 41:31 | 2971.2 | | | | 76.0 | | | | | |
| C/Up | 37Cl-2,3,7,8-TCDD | 2.64e+06 | | 1.20 | 26:17 | 772.91 | | | | 98.8 | | | | | |
| RS/RT | 13C-1,2,3,4-TCDD | 5.58e+06 | 0.78 y | 1.00 | 25:43 | 1954.8 | | | | | | | | | |
| RS | 13C-1,2,3,4-TCDF | 9.42e+06 | 0.83 y | 1.00 | 24:17 | 1954.8 | | | | | | | | | |
| RS/RT | 13C-1,2,3,4,6,9-HxCDF | 7.20e+06 | 0.51 y | 1.00 | 33:36 | 1954.8 | | | | | | | | | |

Integrations
by DB
Analyst: DB
Reviewed by CT
Analyst: CT
Date: 10/29/19
Date: 10/29/19

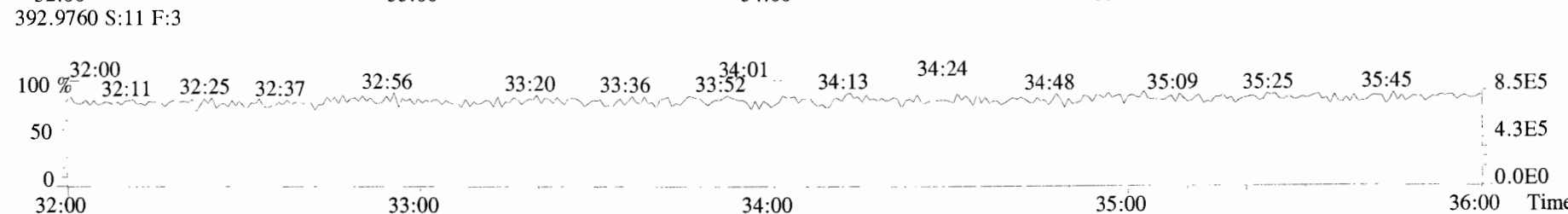
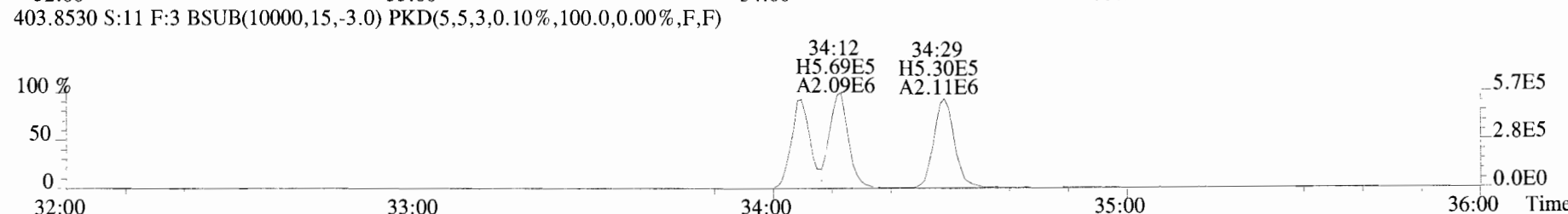
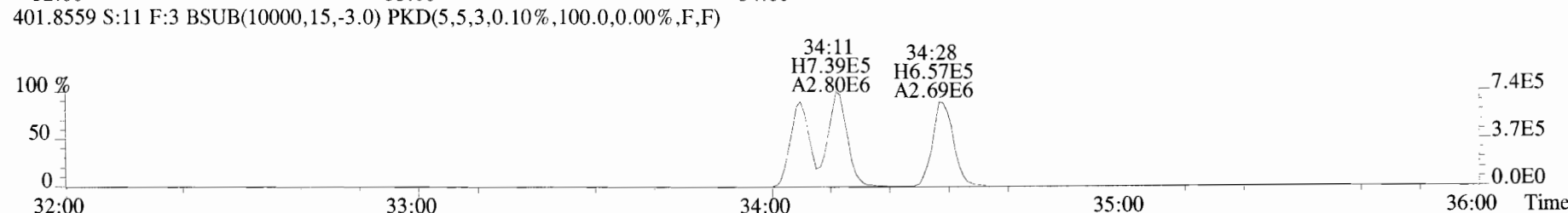
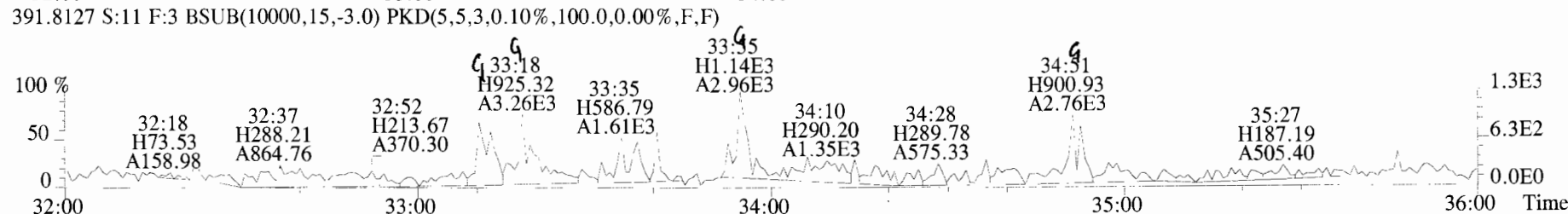
File:191028D1 #1-492 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



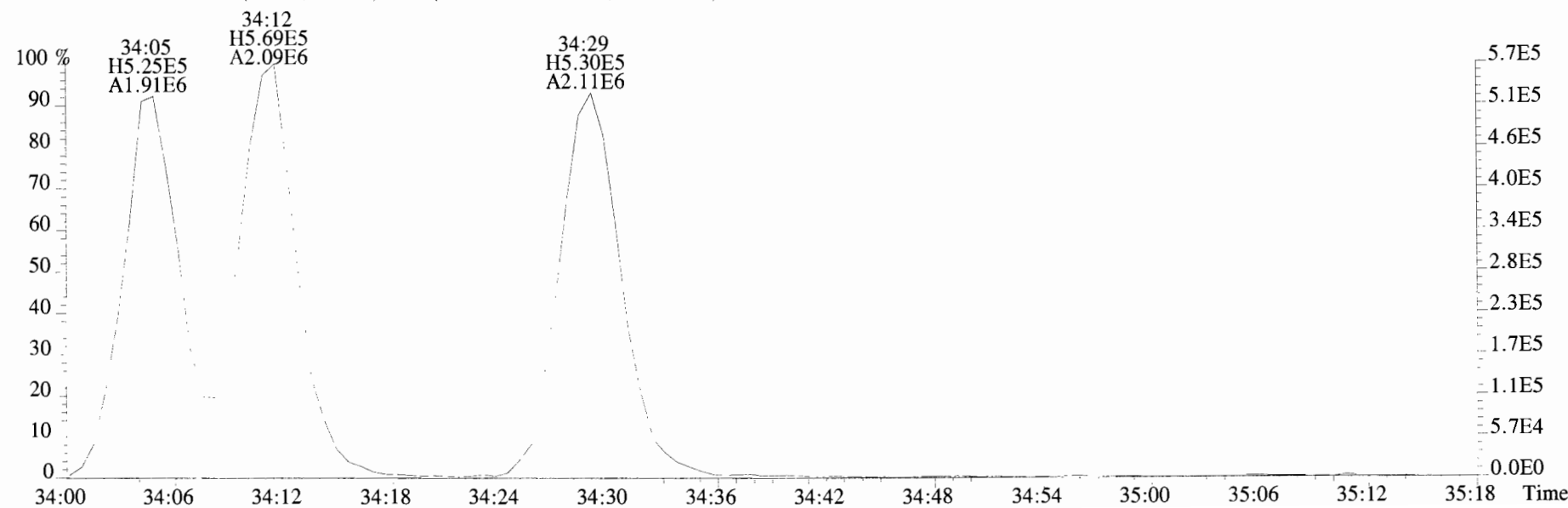
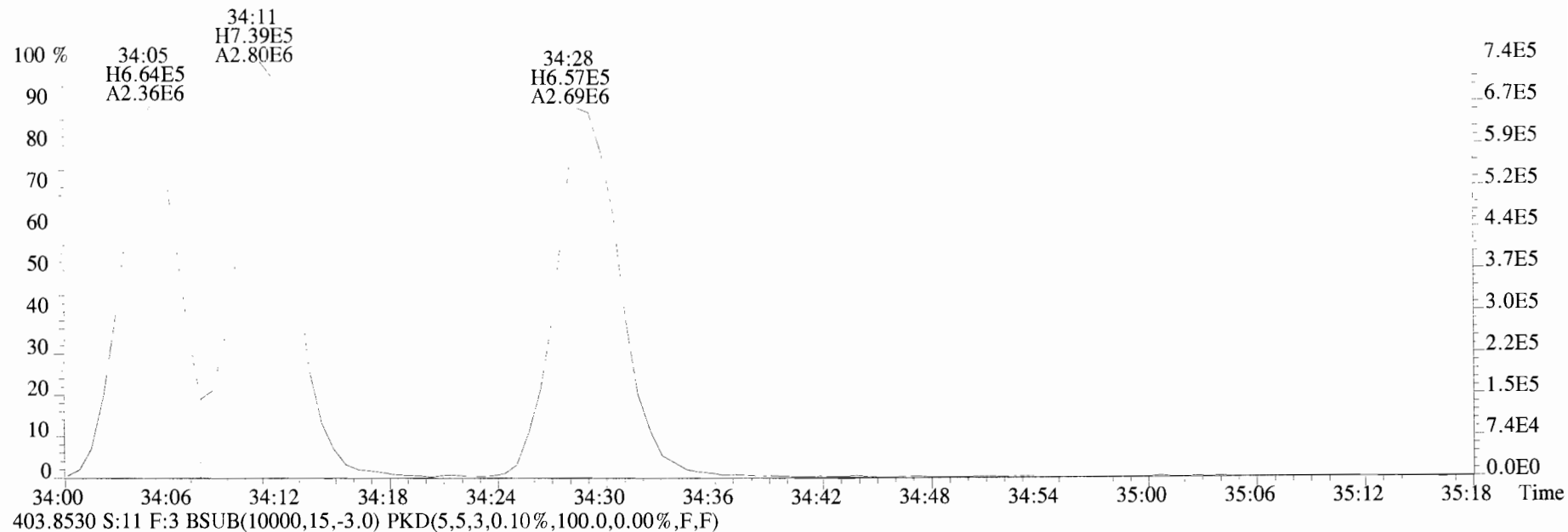
File:191028D1 #1-211 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
 353.8576 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



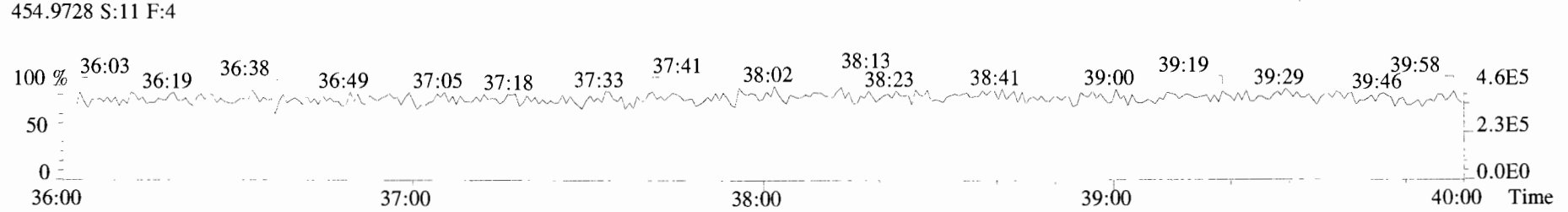
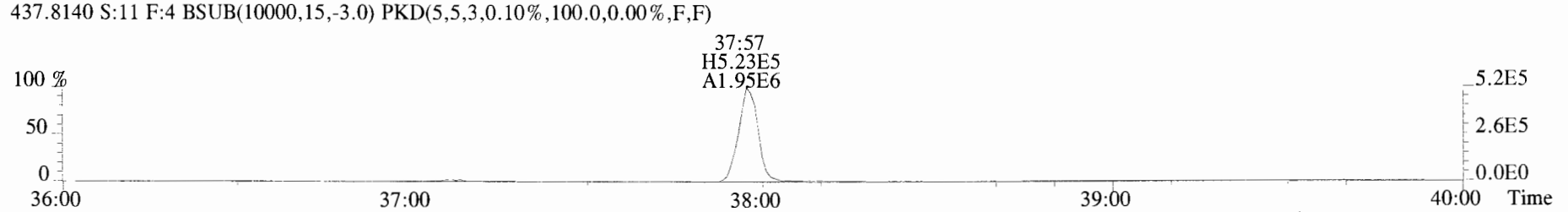
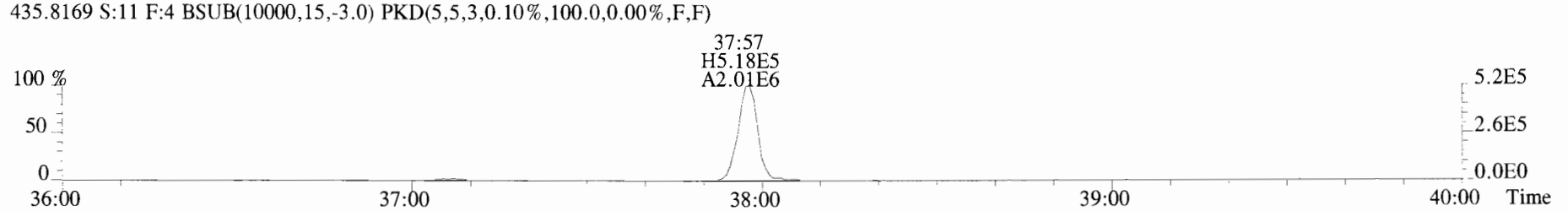
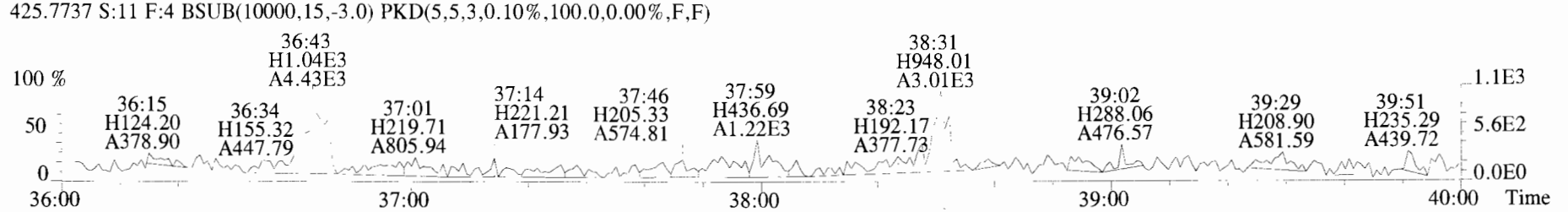
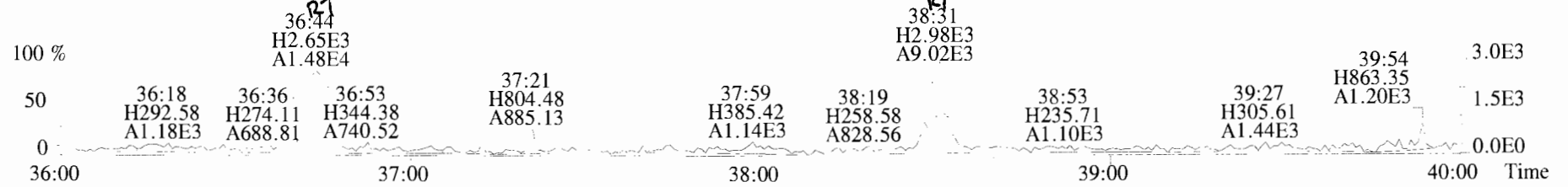
File:191028D1 #1-385 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata Analytical Laboratory VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
 389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



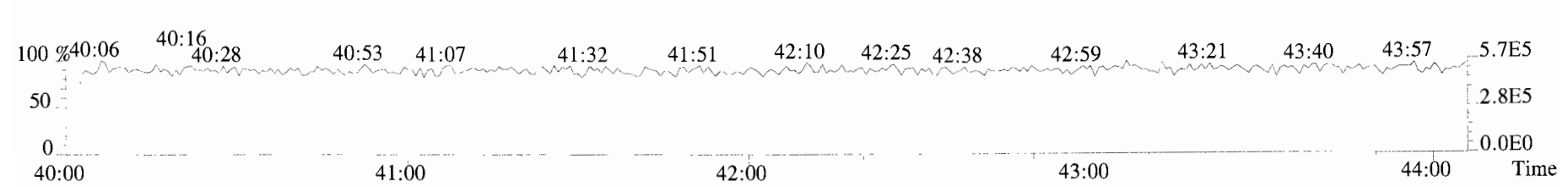
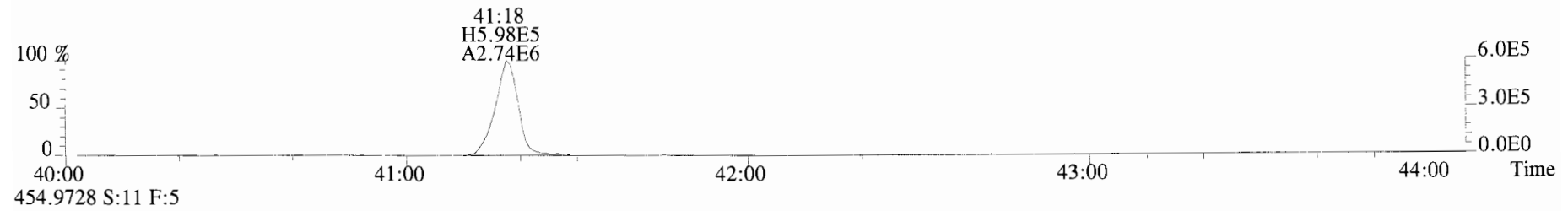
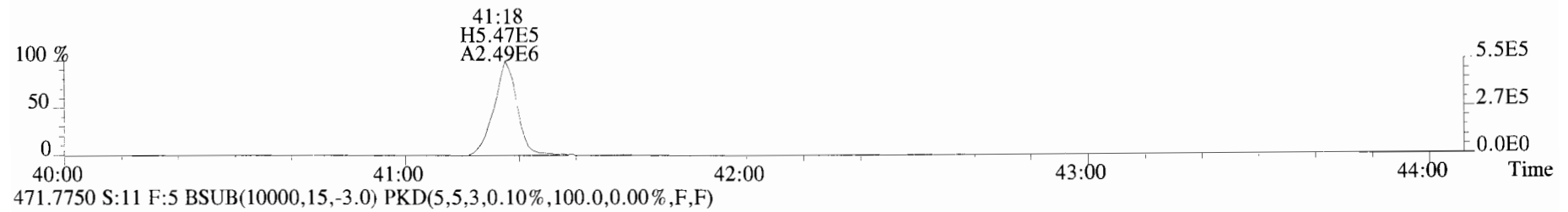
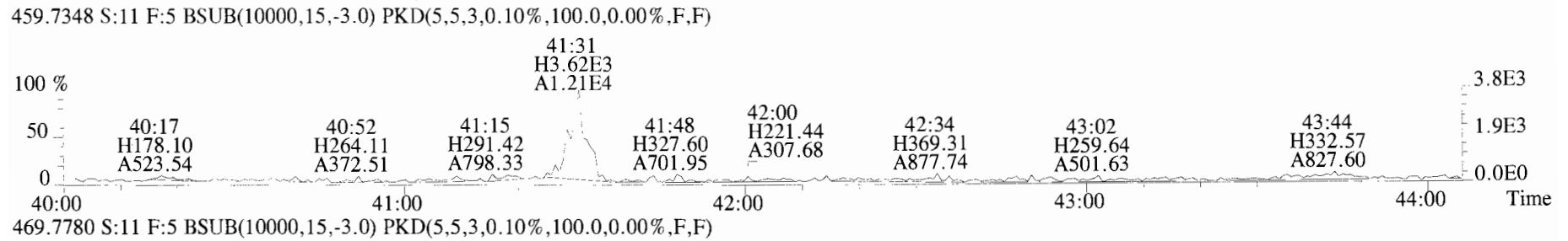
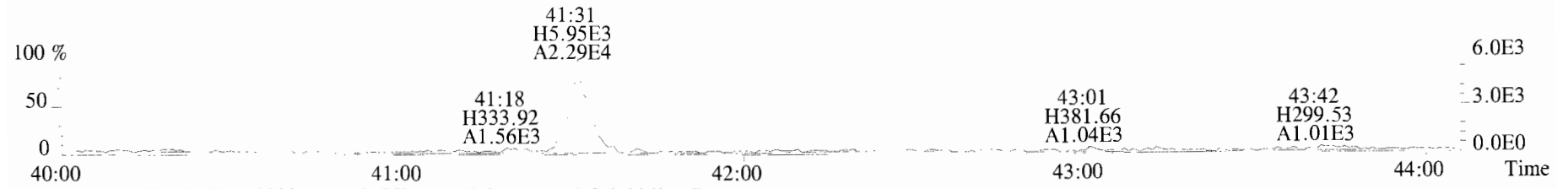
File:191028D1 #1-385 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%.100.0,0.00%.F,F)



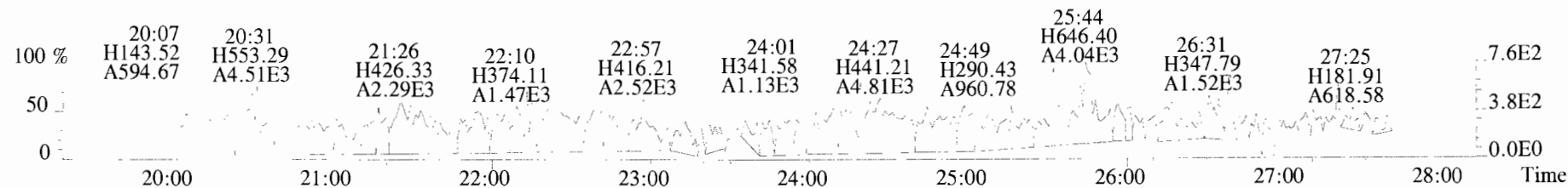
File:191028D1 #1-355 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
 423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



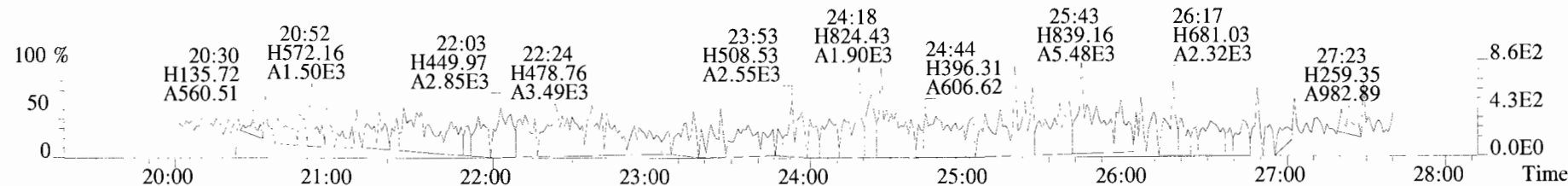
File:191028D1 #1-432 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
457.7377 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



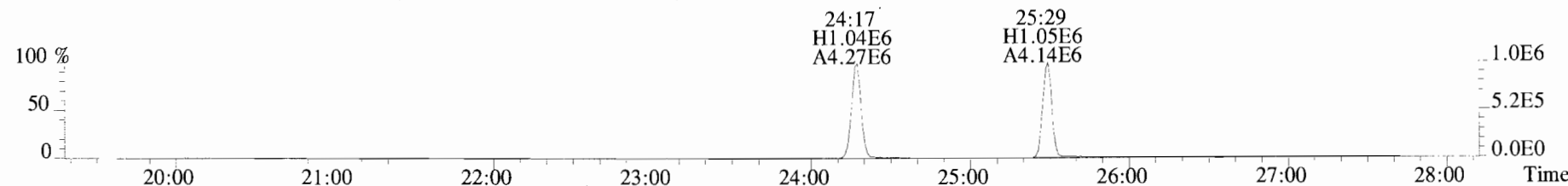
File:191028D1 #1-492 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
 303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



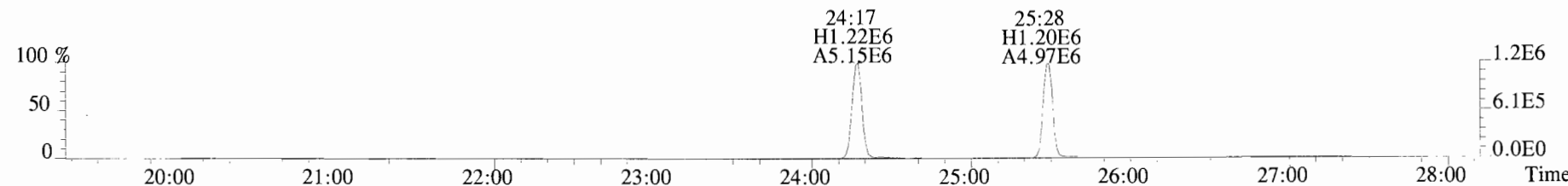
305.8987 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



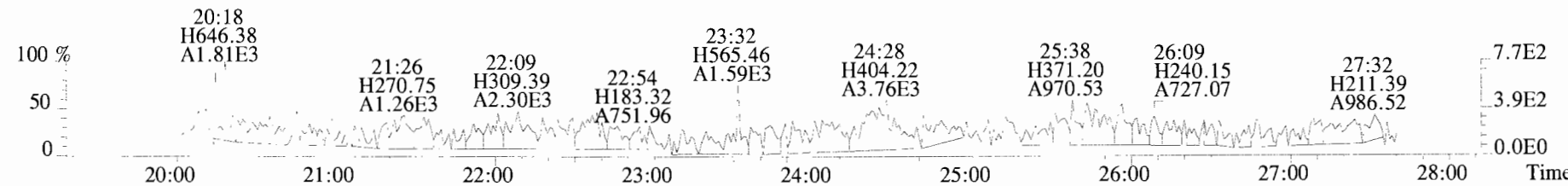
315.9419 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



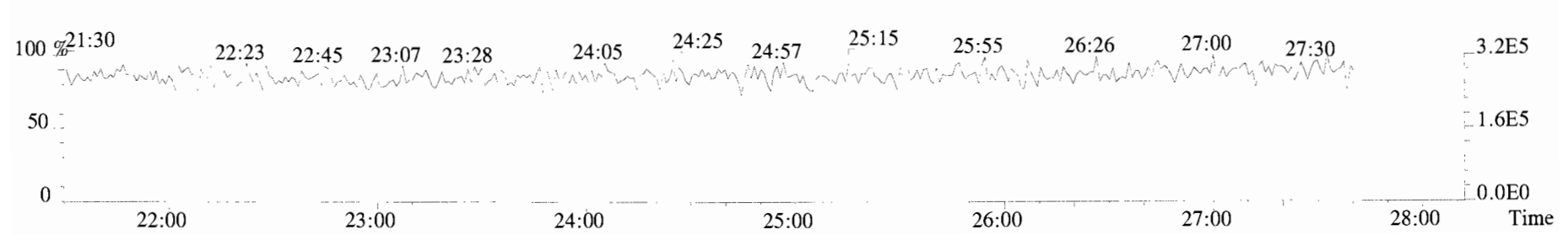
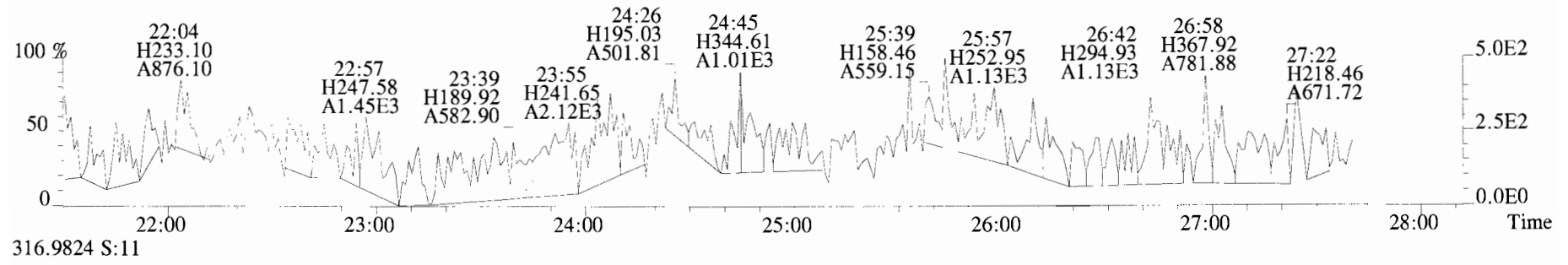
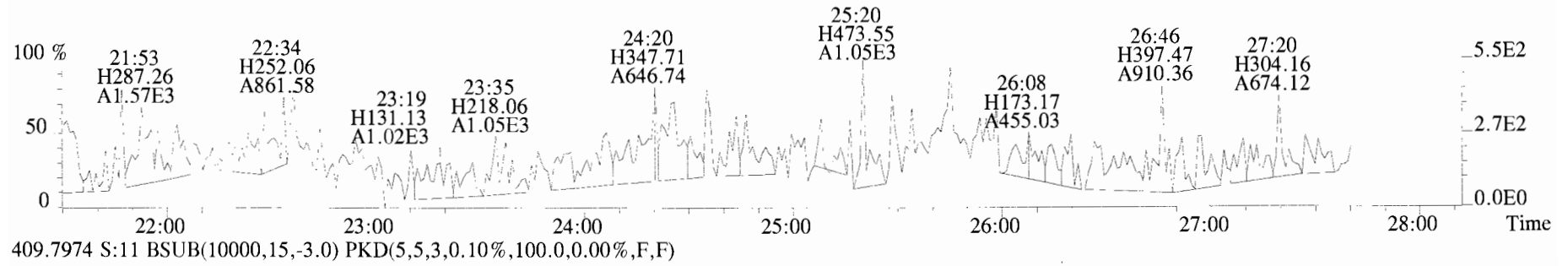
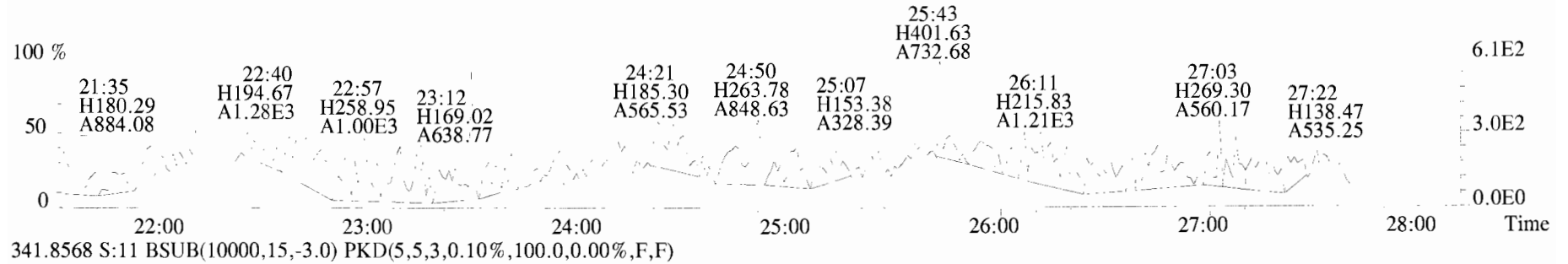
317.9389 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



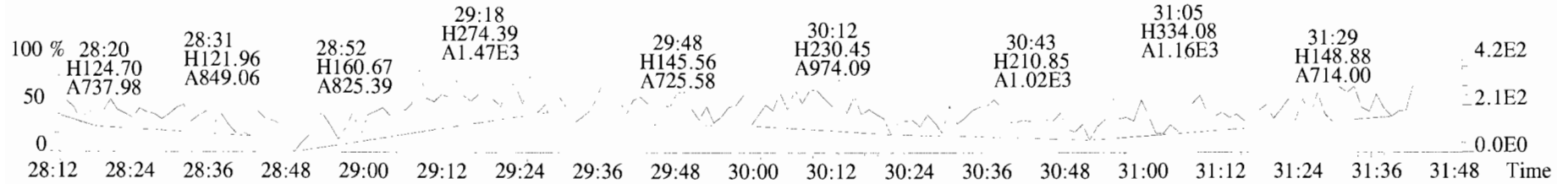
375.8364 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



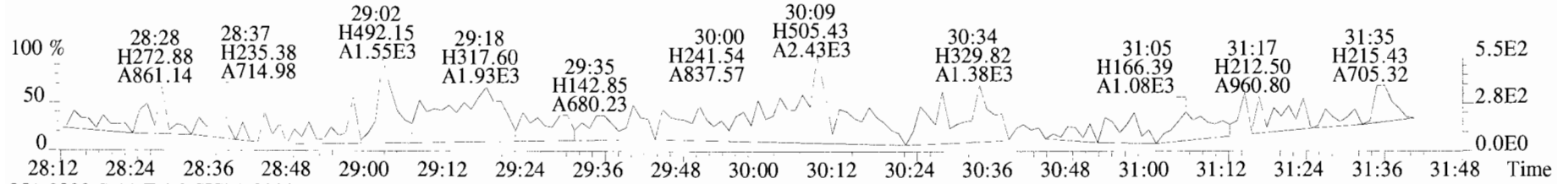
File:191028D1 #1-492 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata Analytical Laboratory VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
 339.8597 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



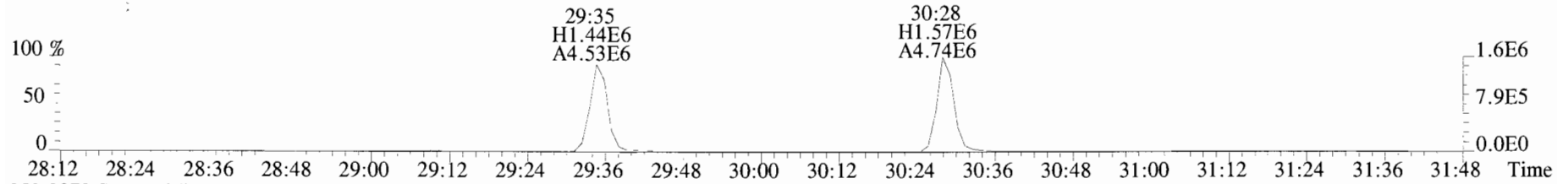
File:191028D1 #1-211 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
339.8597 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



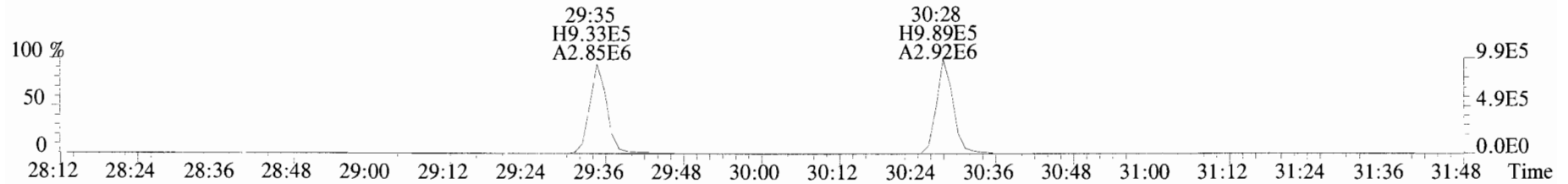
341.8568 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



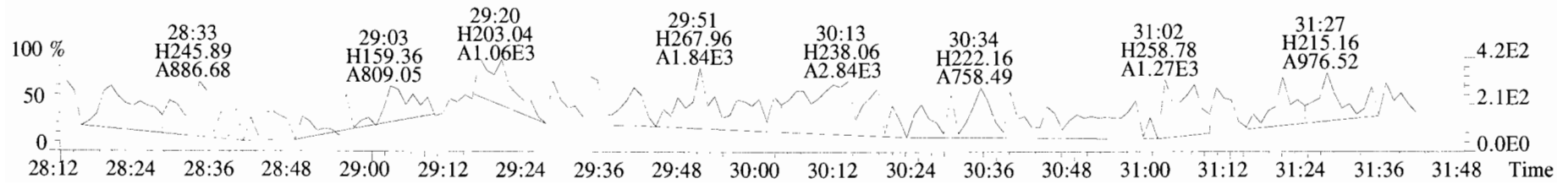
351.9000 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



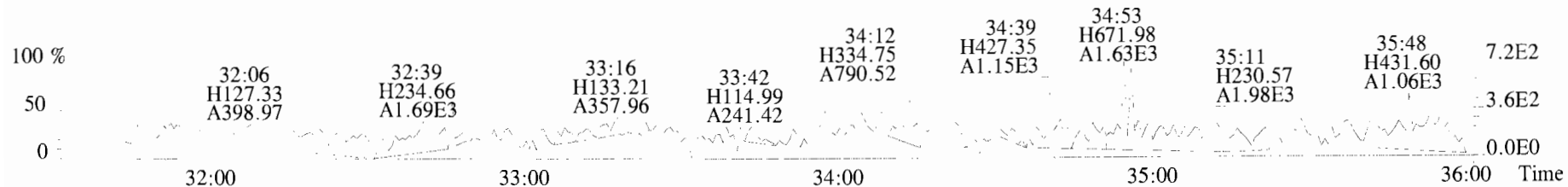
353.8970 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



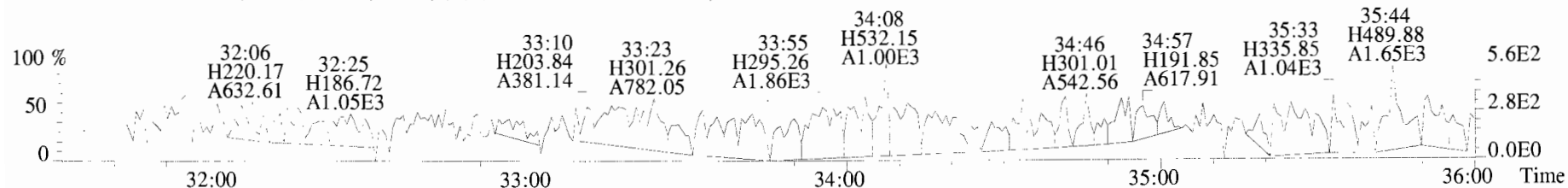
409.7974 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



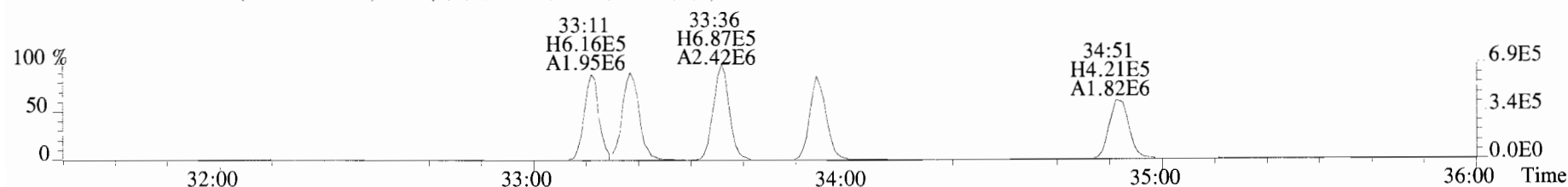
File:191028D1 #1-385 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
373.8207 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



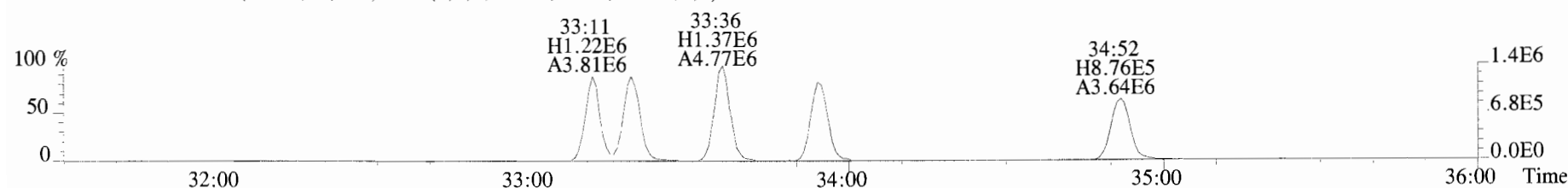
375.8178 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



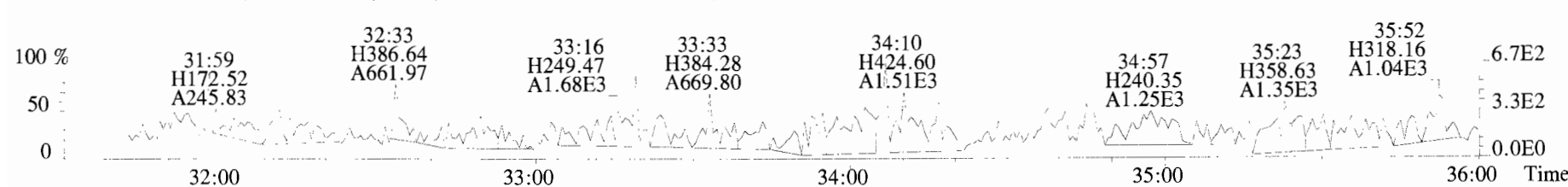
383.8639 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



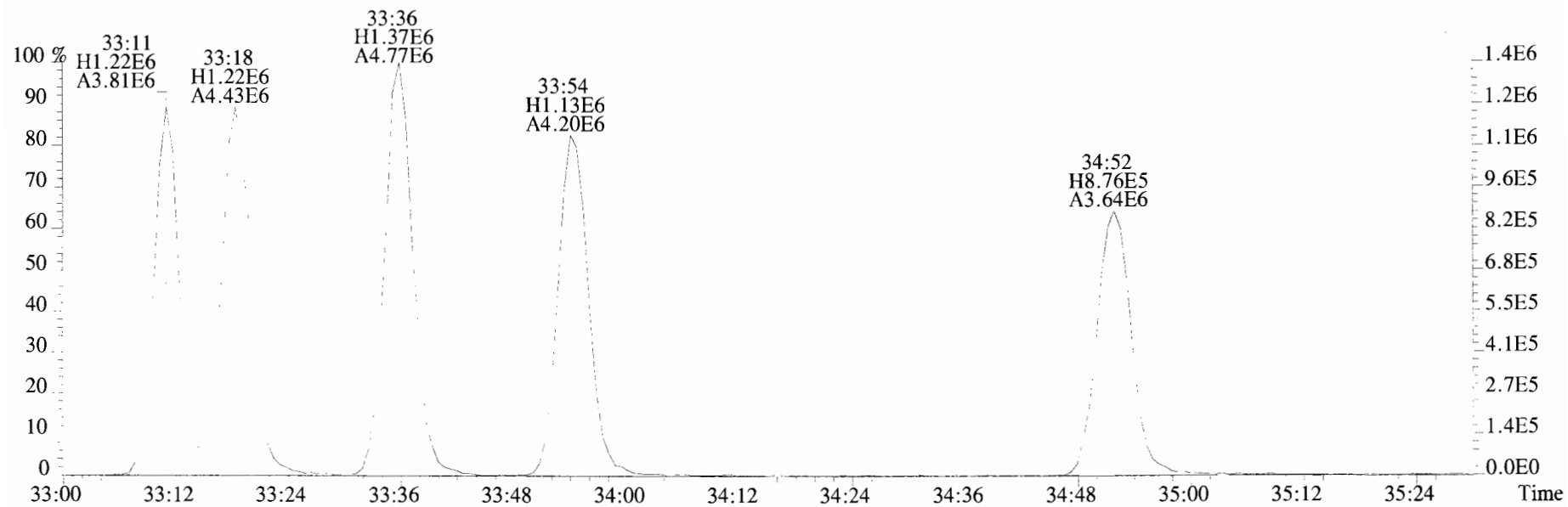
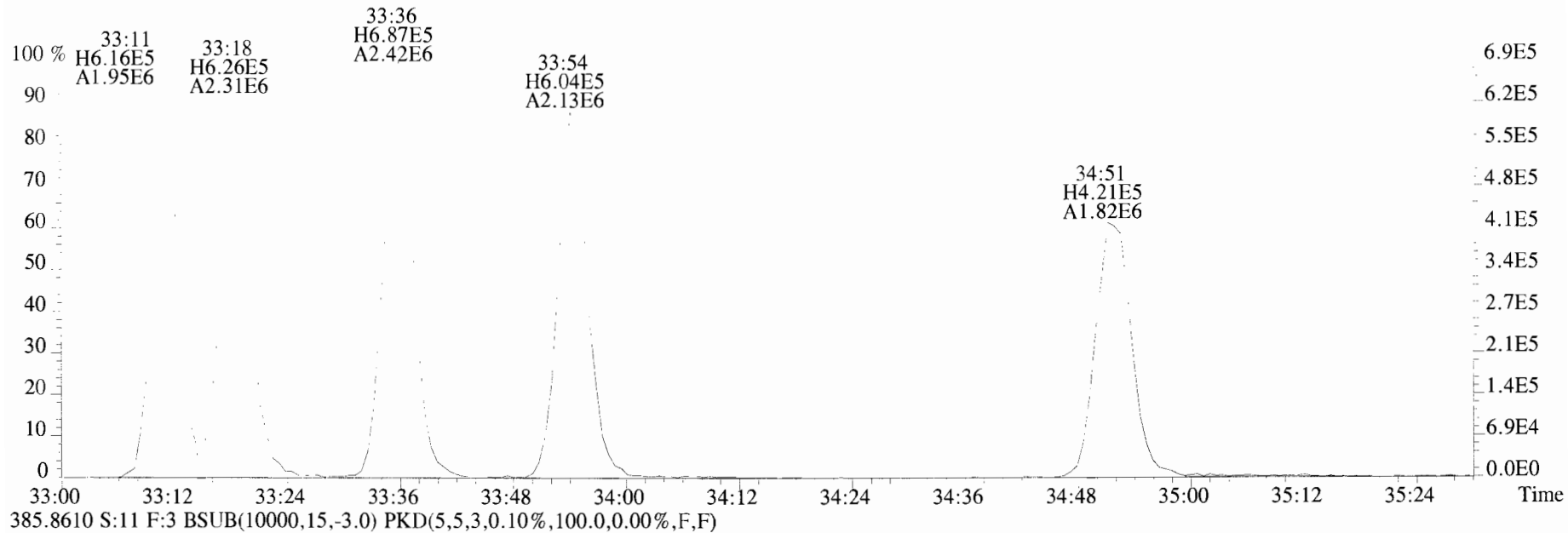
385.8610 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



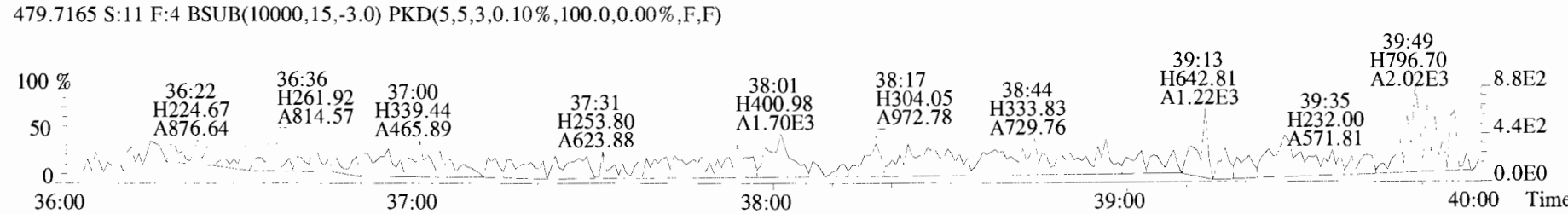
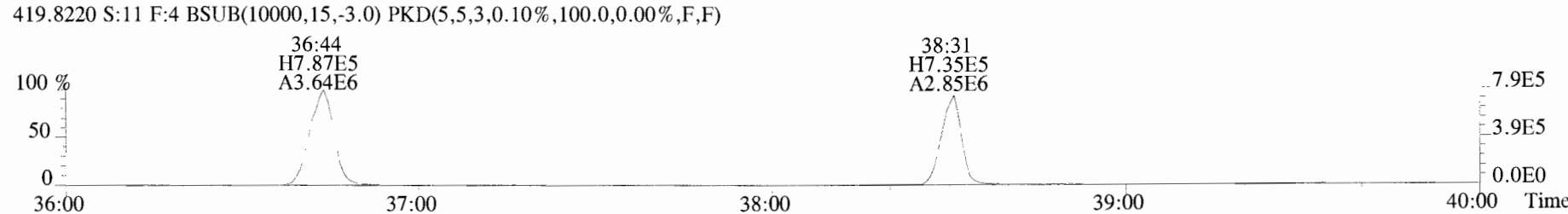
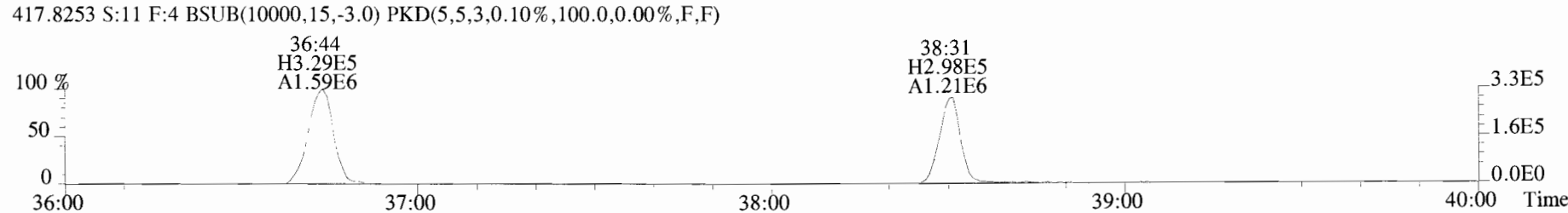
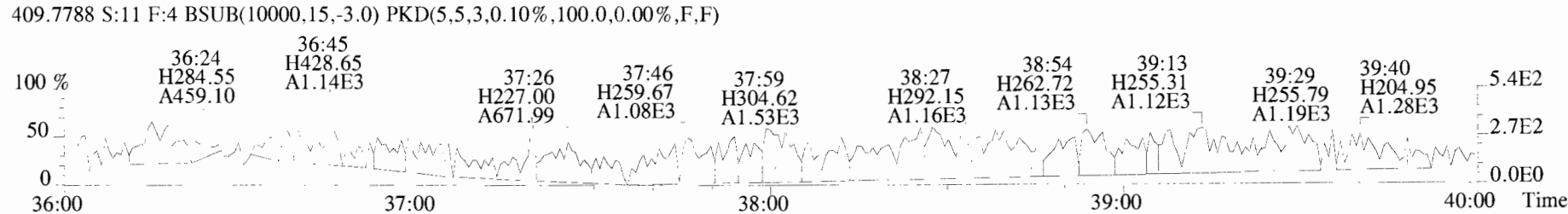
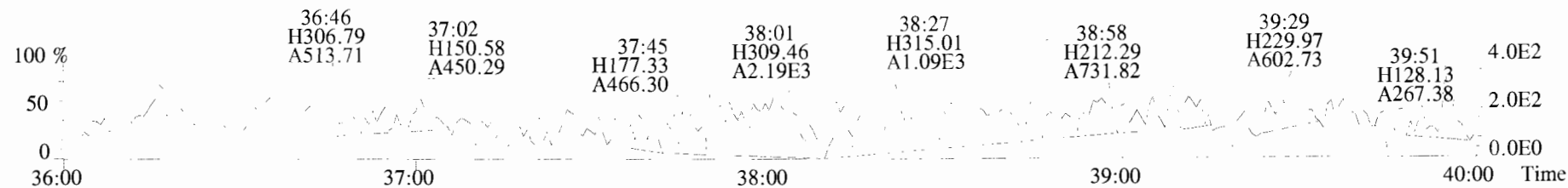
445.7555 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



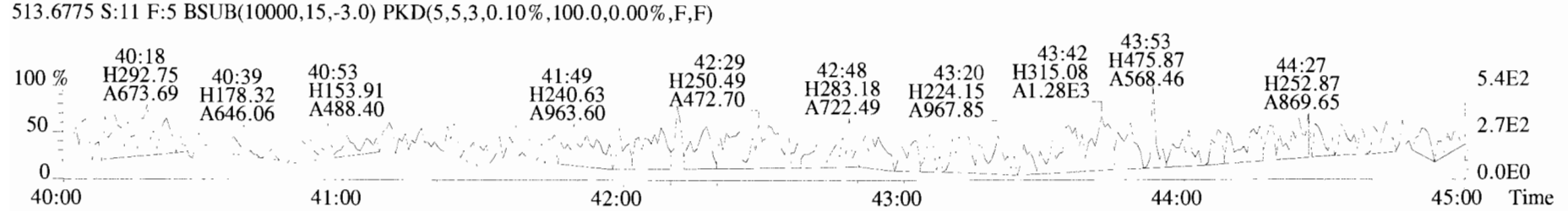
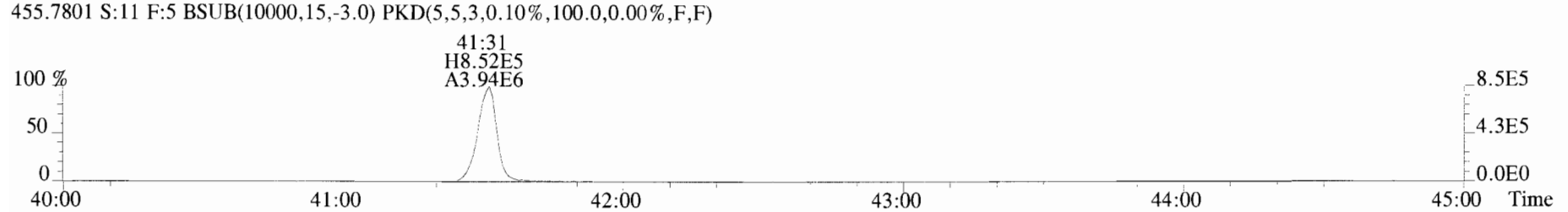
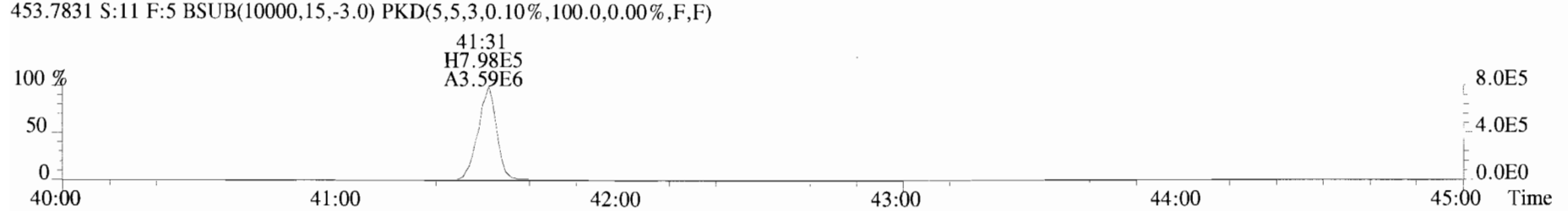
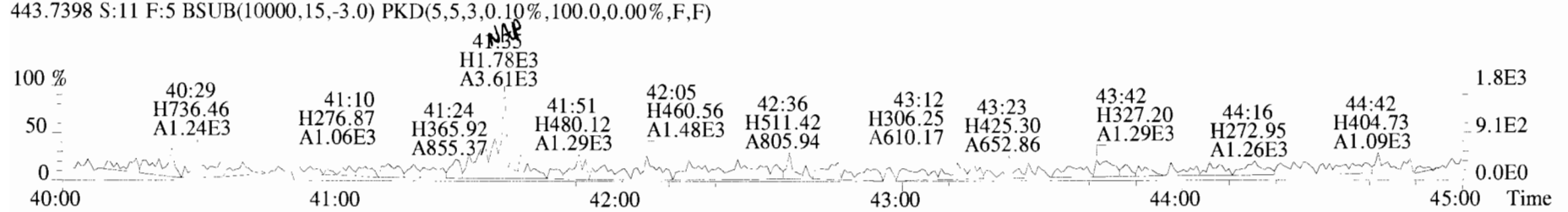
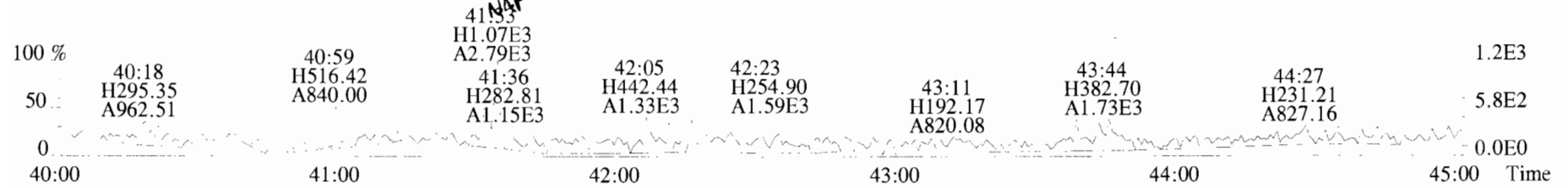
File:191028D1 #1-385 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
383.8639 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191028D1 #1-355 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
 407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191028D1 #1-432 Acq:28-OCT-2019 20:12:13 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903419-01RE1 RB-20190926140400 1.02314 Exp:OCDD_DB5
 441.7428 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



SAMPLE DATA – EPA METHOD 1668C

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-6.qld

Last Altered: Monday, October 14, 2019 16:14:43 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:17:01 Pacific Daylight Time

Eu 10.14.19

C 10/16/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|-----------------|------|----|-----|-------|--------|---------|----|----------|-----|-----------|-------|------|-------|------|
| 1 | 1 PCB-1 | | | NO | 1.02 | 1.000 | 15.51 | | 1.001 | | YES | | | 0.439 | |
| 2 | 2 PCB-2 | | | NO | 1.01 | 1.000 | 17.93 | | 0.988 | | YES | | | 0.466 | |
| 3 | 3 PCB-3 | | | NO | 1.01 | 1.000 | 18.15 | | 1.001 | | YES | | | 0.467 | |
| 4 | 4 PCB-4/10 | | | NO | 1.28 | 1.000 | 19.58 | | 1.004 | | YES | | | 2.77 | |
| 5 | 5 PCB-7/9 | | | NO | 0.976 | 1.000 | 21.38 | | 1.003 | | YES | | | 2.39 | |
| 6 | 6 PCB-6 | | | NO | 1.02 | 1.000 | 22.03 | | 1.033 | | YES | | | 2.29 | |
| 7 | 7 PCB-5/8 | | | NO | 1.01 | 1.000 | 22.44 | | 1.052 | | YES | | | 2.30 | |
| 8 | 8 PCB-14 | | | NO | 1.03 | 1.000 | 23.58 | | 0.952 | | YES | | | 2.29 | |
| 9 | 9 PCB-11 | | | NO | 1.10 | 1.000 | 24.79 | | 1.001 | | YES | | | 2.16 | |
| 10 | 10 PCB-12/13 | | | NO | 1.04 | 1.000 | 25.22 | | 1.018 | | YES | | | 2.28 | |
| 11 | 11 PCB-15 | | | NO | 1.03 | 1.000 | 25.52 | | 1.030 | | YES | | | 2.30 | |
| 12 | 12 PCB-19 | | | NO | 0.934 | 1.000 | 23.76 | | 1.001 | | YES | | | 0.950 | |
| 13 | 13 PCB-30 | | | NO | 1.48 | 1.000 | 24.65 | | 1.039 | | YES | | | 0.599 | |
| 14 | 14 PCB-18 | | | NO | 0.693 | 1.000 | 25.44 | | 0.952 | | YES | | | 0.946 | |
| 15 | 15 PCB-17 | | | NO | 0.667 | 1.000 | 25.60 | | 0.958 | | YES | | | 0.983 | |
| 16 | 16 PCB-24/27 | | | NO | 0.915 | 1.000 | 26.21 | | 0.981 | | YES | | | 0.716 | |
| 17 | 17 PCB-16/32 | | | NO | 0.792 | 1.000 | 26.74 | | 1.001 | | YES | | | 0.827 | |
| 18 | 18 PCB-34 | | | NO | 0.987 | 1.000 | 27.55 | | 0.959 | | YES | | | 0.665 | |
| 19 | 19 PCB-23 | | | NO | 0.974 | 1.000 | 27.64 | | 0.962 | | YES | | | 0.674 | |
| 20 | 20 PCB-29 | | | NO | 0.953 | 1.000 | 27.91 | | 0.972 | | YES | | | 0.688 | |
| 21 | 21 PCB-26 | | | NO | 1.00 | 1.000 | 28.12 | | 0.979 | | YES | | | 0.656 | |
| 22 | 22 PCB-25 | | | NO | 0.978 | 1.000 | 28.29 | | 0.985 | | YES | | | 0.671 | |
| 23 | 23 PCB-31 | | | NO | 1.12 | 1.000 | 28.66 | | 0.998 | | YES | | | 0.584 | |
| 24 | 24 PCB-28 | | | NO | 1.11 | 1.000 | 28.75 | | 1.001 | | YES | | | 0.594 | |
| 25 | 25 PCB-20/21/33 | | | NO | 1.00 | 1.000 | 29.37 | | 1.022 | | YES | | | 0.654 | |
| 26 | 26 PCB-22 | | | NO | 1.03 | 1.000 | 29.84 | | 1.039 | | YES | | | 0.635 | |
| 27 | 27 PCB-36 | | | NO | 1.18 | 1.000 | 30.49 | | 0.932 | | YES | | | 0.595 | |
| 28 | 28 PCB-39 | | | NO | 1.08 | 1.000 | 30.96 | | 0.946 | | YES | | | 0.645 | |
| 29 | 29 PCB-38 | | | NO | 1.13 | 1.000 | 31.77 | | 0.971 | | YES | | | 0.620 | |
| 30 | 30 PCB-35 | | | NO | 1.13 | 1.000 | 32.31 | | 0.987 | | YES | | | 0.618 | |
| 31 | 31 PCB-37 | | | NO | 1.11 | 1.000 | 32.76 | | 1.001 | | YES | | | 0.633 | |
| 32 | 32 PCB-54 | | | NO | 0.996 | 1.000 | 27.59 | | 1.001 | | YES | | | 0.571 | |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-6.qld

Last Altered: Monday, October 14, 2019 16:14:43 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:17:01 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|--------------------|------|----|-----|-------|--------|---------|----|----------|-----|-----------|-------|------|-------|------|
| 33 | 33 PCB-50 | | | NO | 0.781 | 1.000 | 28.79 | | 1.044 | | YES | | | 0.728 | |
| 34 | 34 PCB-53 | | | NO | 0.955 | 1.000 | 29.46 | | 0.943 | | YES | | | 0.793 | |
| 35 | 35 PCB-51 | | | NO | 1.02 | 1.000 | 29.80 | | 0.955 | | YES | | | 0.740 | |
| 36 | 36 PCB-45 | | | NO | 0.808 | 1.000 | 30.26 | | 0.969 | | YES | | | 0.937 | |
| 37 | 37 PCB-46 | | | NO | 0.754 | 1.000 | 30.75 | | 0.985 | | YES | | | 1.00 | |
| 38 | 38 PCB-52/69 | | | NO | 1.09 | 1.000 | 31.26 | | 1.001 | | YES | | | 0.693 | |
| 39 | 39 PCB-73 | | | NO | 1.29 | 1.000 | 31.38 | | 1.005 | | YES | | | 0.587 | |
| 40 | 40 PCB-43/49 | | | NO | 0.940 | 1.000 | 31.55 | | 1.010 | | YES | | | 0.805 | |
| 41 | 41 PCB-47 | | | NO | 0.869 | 1.000 | 31.76 | | 1.001 | | YES | | | 0.834 | |
| 42 | 42 PCB-48/75 | | | NO | 1.02 | 1.000 | 31.87 | | 1.004 | | YES | | | 0.707 | |
| 43 | 43 PCB-65 | | | NO | 1.11 | 1.000 | 32.14 | | 1.013 | | YES | | | 0.654 | |
| 44 | 44 PCB-62 | | | NO | 1.07 | 1.000 | 32.25 | | 1.016 | | YES | | | 0.680 | |
| 45 | 45 PCB-44 | | | NO | 0.761 | 1.000 | 32.59 | | 1.027 | | YES | | | 0.952 | |
| 46 | 46 PCB-42/59 | | | NO | 0.960 | 1.000 | 32.80 | | 1.033 | | YES | | | 0.755 | |
| 47 | 47 PCB-41/64/71/72 | | | NO | 1.08 | 1.000 | 33.42 | | 1.053 | | YES | | | 0.670 | |
| 48 | 48 PCB-68 | | | NO | 1.11 | 1.000 | 33.68 | | 1.061 | | YES | | | 0.654 | |
| 49 | 49 PCB-40 | | | NO | 0.577 | 1.000 | 33.91 | | 1.068 | | YES | | | 1.26 | |
| 50 | 50 PCB-57 | | | NO | 1.05 | 1.000 | 34.27 | | 0.969 | | YES | | | 0.617 | |
| 51 | 51 PCB-67 | | | NO | 0.993 | 1.000 | 34.60 | | 0.978 | | YES | | | 0.651 | |
| 52 | 52 PCB-58 | | | NO | 1.11 | 1.000 | 34.73 | | 0.982 | | YES | | | 0.582 | |
| 53 | 53 PCB-63 | | | NO | 0.962 | 1.000 | 34.88 | | 0.986 | | YES | | | 0.673 | |
| 54 | 54 PCB-74 | | | NO | 1.07 | 1.000 | 35.17 | | 0.994 | | YES | | | 0.607 | |
| 55 | 55 PCB-61/70 | | | NO | 0.986 | 1.000 | 35.39 | | 1.000 | | YES | | | 0.656 | |
| 56 | 56 PCB-76/66 | | | NO | 1.07 | 1.000 | 35.55 | | 1.005 | | YES | | | 0.607 | |
| 57 | 57 PCB-80 | | | NO | 1.08 | 1.000 | 35.84 | | 1.001 | | YES | | | 0.593 | |
| 58 | 58 PCB-55 | | | NO | 1.07 | 1.000 | 36.16 | | 1.010 | | YES | | | 0.601 | |
| 59 | 59 PCB-56/60 | | | NO | 0.934 | 1.000 | 36.66 | | 1.024 | | YES | | | 0.687 | |
| 60 | 60 PCB-79 | | | NO | 1.04 | 1.000 | 37.78 | | 1.055 | | YES | | | 0.615 | |
| 61 | 61 PCB-78 | | | NO | 1.03 | 1.000 | 38.49 | | 0.987 | | YES | | | 0.725 | |
| 62 | 62 PCB-81 | | | NO | 0.933 | 1.000 | 39.02 | | 1.000 | | YES | | | 0.801 | |
| 63 | 63 PCB-77 | | | NO | 1.03 | 1.000 | 39.65 | | 1.000 | | YES | | | 0.724 | |
| 64 | 64 PCB-104 | | | NO | 0.995 | 1.000 | 32.43 | | 1.001 | | YES | | | 0.935 | |
| 65 | 65 PCB-96 | | | NO | 0.996 | 1.000 | 33.72 | | 1.041 | | YES | | | 0.934 | |
| 66 | 66 PCB-103 | | | NO | 0.774 | 1.000 | 34.29 | | 1.058 | | YES | | | 1.20 | |
| 67 | 67 PCB-100 | | | NO | 0.778 | 1.000 | 34.66 | | 1.069 | | YES | | | 1.20 | |
| 68 | 68 PCB-94 | | | NO | 0.773 | 1.000 | 35.17 | | 0.985 | | YES | | | 1.62 | |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-6.qld

Last Altered: Monday, October 14, 2019 16:14:43 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:17:01 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|-------------------|------|----|-----|-------|--------|---------|----|----------|-----|-----------|-------|------|-------|------|
| 69 | 69 PCB-95/98/102 | | | NO | 1.01 | 1.000 | 35.64 | | 0.999 | | YES | | | 1.24 | |
| 70 | 70 PCB-93 | | | NO | 0.841 | 1.000 | 35.77 | | 1.002 | | YES | | | 1.49 | |
| 71 | 71 PCB-88/91 | | | NO | 0.890 | 1.000 | 36.12 | | 1.012 | | YES | | | 1.41 | |
| 72 | 72 PCB-121 | | | NO | 1.39 | 1.000 | 36.21 | | 1.015 | | YES | | | 0.906 | |
| 73 | 73 PCB-84/92 | | | NO | 0.879 | 1.000 | 37.06 | | 0.990 | | YES | | | 1.57 | |
| 74 | 74 PCB-89 | | | NO | 0.959 | 1.000 | 37.26 | | 0.996 | | YES | | | 1.43 | |
| 75 | 75 PCB-90/101 | | | NO | 0.944 | 1.000 | 37.44 | | 1.000 | | YES | | | 1.46 | |
| 76 | 76 PCB-113 | | | NO | 1.23 | 1.000 | 37.68 | | 1.007 | | YES | | | 1.12 | |
| 77 | 77 PCB-99 | | | NO | 1.12 | 1.000 | 37.78 | | 1.010 | | YES | | | 1.23 | |
| 78 | 78 PCB-119 | | | NO | 1.47 | 1.000 | 38.27 | | 0.987 | | YES | | | 1.09 | |
| 79 | 79 PCB-108/112 | | | NO | 1.25 | 1.000 | 38.43 | | 0.991 | | YES | | | 1.29 | |
| 80 | 80 PCB-83 | | | NO | 1.55 | 1.000 | 38.60 | | 0.996 | | YES | | | 1.04 | |
| 81 | 81 PCB-97 | | | NO | 1.07 | 1.000 | 38.82 | | 1.001 | | YES | | | 1.50 | |
| 82 | 82 PCB-86 | | | NO | 0.996 | 1.000 | 38.96 | | 1.005 | | YES | | | 1.62 | |
| 83 | 83 PCB-87/117/125 | | | NO | 1.33 | 1.000 | 39.07 | | 1.008 | | YES | | | 1.21 | |
| 84 | 84 PCB-111/115 | | | NO | 1.60 | 1.000 | 39.24 | | 1.012 | | YES | | | 1.00 | |
| 85 | 85 PCB-85/116 | | | NO | 1.22 | 1.000 | 39.36 | | 1.015 | | YES | | | 1.32 | |
| 86 | 86 PCB-120 | | | NO | 1.68 | 1.000 | 39.63 | | 1.022 | | YES | | | 0.957 | |
| 87 | 87 PCB-110 | | | NO | 1.49 | 1.000 | 39.77 | | 1.026 | | YES | | | 1.08 | |
| 88 | 88 PCB-82 | | | NO | 0.674 | 1.000 | 40.39 | | 0.975 | | YES | | | 1.93 | |
| 89 | 89 PCB-124 | | | NO | 1.16 | 1.000 | 41.13 | | 0.993 | | YES | | | 1.12 | |
| 90 | 90 PCB-107/109 | | | NO | 1.17 | 1.000 | 41.27 | | 0.996 | | YES | | | 1.12 | |
| 91 | 91 PCB-123 | | | NO | 1.04 | 1.000 | 41.44 | | 1.000 | | YES | | | 1.25 | |
| 92 | 92 PCB-106/118 | | | NO | 1.07 | 1.000 | 41.64 | | 1.001 | | YES | | | 1.25 | |
| 93 | 93 PCB-114 | | | NO | 1.16 | 1.000 | 42.30 | | 1.000 | | YES | | | 0.761 | |
| 94 | 94 PCB-122 | | | NO | 0.973 | 1.000 | 42.43 | | 1.003 | | YES | | | 0.908 | |
| 95 | 95 PCB-105 | | | NO | 1.10 | 1.000 | 43.19 | | 1.000 | | YES | | | 0.797 | |
| 96 | 96 PCB-127 | | | NO | 1.11 | 1.000 | 43.53 | | 1.000 | | YES | | | 0.768 | |
| 97 | 97 PCB-126 | | | NO | 1.21 | 1.000 | 45.50 | | 1.000 | | YES | | | 0.812 | |
| 98 | 98 PCB-155 | | | NO | 0.874 | 1.000 | 36.97 | | 1.000 | | YES | | | 0.867 | |
| 99 | 99 PCB-150 | | | NO | 0.881 | 1.000 | 38.27 | | 1.036 | | YES | | | 0.860 | |
| 100 | 1... PCB-152 | | | NO | 1.00 | 1.000 | 38.76 | | 1.049 | | YES | | | 0.754 | |
| 101 | 1... PCB-145 | | | NO | 1.00 | 1.000 | 39.20 | | 1.061 | | YES | | | 0.758 | |
| 102 | 1... PCB-136 | | | NO | 0.843 | 1.000 | 39.56 | | 1.071 | | YES | | | 0.898 | |
| 103 | 1... PCB-148 | | | NO | 0.693 | 1.000 | 39.67 | | 1.073 | | YES | | | 1.09 | |
| 104 | 1... PCB-154 | | | NO | 0.724 | 1.000 | 40.16 | | 1.087 | | YES | | | 1.05 | |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-6.qld

Last Altered: Monday, October 14, 2019 16:14:43 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:17:01 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|----------------------|------|----|-----|-------|--------|---------|----|----------|-----|-----------|-------|------|-------|------|
| 105 | 1... PCB-151 | | | NO | 0.632 | 1.000 | 40.83 | | 1.105 | | YES | | | 1.20 | |
| 106 | 1... PCB-135 | | | NO | 0.716 | 1.000 | 41.05 | | 1.111 | | YES | | | 1.06 | |
| 107 | 1... PCB-144 | | | NO | 0.667 | 1.000 | 41.16 | | 1.114 | | YES | | | 1.14 | |
| 108 | 1... PCB-147 | | | NO | 0.661 | 1.000 | 41.28 | | 1.117 | | YES | | | 1.15 | |
| 109 | 1... PCB-139/149 | | | NO | 0.738 | 1.000 | 41.57 | | 1.125 | | YES | | | 1.03 | |
| 110 | 1... PCB-140 | | | NO | 0.627 | 1.000 | 41.76 | | 1.130 | | YES | | | 1.21 | |
| 111 | 1... PCB-134/143 | | | NO | 0.733 | 1.000 | 42.25 | | 0.975 | | YES | | | 0.827 | |
| 112 | 1... PCB-131/133 | | | NO | 0.790 | 1.000 | 42.54 | | 0.982 | | YES | | | 0.768 | |
| 113 | 1... PCB-142 | | | NO | 0.708 | 1.000 | 42.69 | | 0.985 | | YES | | | 0.857 | |
| 114 | 1... PCB-146/165 | | | NO | 0.959 | 1.000 | 42.94 | | 0.991 | | YES | | | 0.632 | |
| 115 | 1... PCB-132/161 | | | NO | 0.974 | 1.000 | 43.18 | | 0.996 | | YES | | | 0.623 | |
| 116 | 1... PCB-153 | | | NO | 1.01 | 1.000 | 43.36 | | 1.000 | | YES | | | 0.600 | |
| 117 | 1... PCB-168 | | | NO | 1.02 | 1.000 | 43.59 | | 1.006 | | YES | | | 0.595 | |
| 118 | 1... PCB-141 | | | NO | 0.967 | 1.000 | 44.12 | | 1.000 | | YES | | | 0.782 | |
| 119 | 1... PCB-137 | | | NO | 0.987 | 1.000 | 44.50 | | 1.009 | | YES | | | 0.766 | |
| 120 | 1... PCB-130 | | | NO | 0.840 | 1.000 | 44.61 | | 1.012 | | YES | | | 0.900 | |
| 121 | 1... PCB-138/163/164 | | | NO | 1.23 | 1.000 | 45.01 | | 1.001 | | YES | | | 0.618 | |
| 122 | 1... PCB-158/160 | | | NO | 1.18 | 1.000 | 45.25 | | 1.006 | | YES | | | 0.644 | |
| 123 | 1... PCB-129 | | | NO | 0.819 | 1.000 | 45.50 | | 1.012 | | YES | | | 0.926 | |
| 124 | 1... PCB-166 | | | NO | 1.07 | 1.000 | 45.98 | | 0.993 | | YES | | | 0.606 | |
| 125 | 1... PCB-159 | | | NO | 1.12 | 1.000 | 46.32 | | 1.000 | | YES | | | 0.579 | |
| 126 | 1... PCB-128/162 | | | NO | 0.851 | 1.000 | 46.60 | | 1.007 | | YES | | | 0.761 | |
| 127 | 1... PCB-167 | | | NO | 1.04 | 1.000 | 47.02 | | 1.000 | | YES | | | 0.618 | |
| 128 | 1... PCB-156 | | | NO | 1.06 | 1.000 | 48.34 | | 1.000 | | YES | | | 0.639 | |
| 129 | 1... PCB-157 | | | NO | 0.978 | 1.000 | 48.65 | | 1.001 | | YES | | | 0.724 | |
| 130 | 1... PCB-169 | | | NO | 1.11 | 1.000 | 50.90 | | 1.000 | | YES | | | 0.713 | |
| 131 | 1... PCB-188 | | | NO | 1.19 | 1.000 | 42.98 | | 1.001 | | YES | | | 0.552 | |
| 132 | 1... PCB-184 | | | NO | 1.17 | 1.000 | 43.42 | | 1.011 | | YES | | | 0.565 | |
| 133 | 1... PCB-179 | | | NO | 1.18 | 1.000 | 44.23 | | 1.030 | | YES | | | 0.560 | |
| 134 | 1... PCB-176 | | | NO | 1.16 | 1.000 | 44.70 | | 1.041 | | YES | | | 0.568 | |
| 135 | 1... PCB-186 | | | NO | 1.22 | 1.000 | 45.31 | | 1.055 | | YES | | | 0.541 | |
| 136 | 1... PCB-178 | | | NO | 0.830 | 1.000 | 45.82 | | 1.067 | | YES | | | 0.793 | |
| 137 | 1... PCB-175 | | | NO | 0.849 | 1.000 | 46.18 | | 1.075 | | YES | | | 0.776 | |
| 138 | 1... PCB-182/187 | | | NO | 0.960 | 1.000 | 46.38 | | 1.080 | | YES | | | 0.686 | |
| 139 | 1... PCB-183 | | | NO | 0.957 | 1.000 | 46.71 | | 1.088 | | YES | | | 0.689 | |
| 140 | 1... PCB-185 | | | NO | 1.32 | 1.000 | 47.41 | | 0.955 | | YES | | | 0.849 | |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-6.qld

Last Altered: Monday, October 14, 2019 16:14:43 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:17:01 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|-------|-------|
| 141 | 1... PCB-174 | | | NO | 1.22 | 1.000 | 47.78 | | 0.962 | | YES | | | 0.919 | |
| 142 | 1... PCB-181 | | | NO | 1.41 | 1.000 | 47.88 | | 0.964 | | YES | | | 0.792 | |
| 143 | 1... PCB-177 | | | NO | 1.24 | 1.000 | 48.06 | | 0.968 | | YES | | | 0.903 | |
| 144 | 1... PCB-171 | | | NO | 1.24 | 1.000 | 48.35 | | 0.974 | | YES | | | 0.902 | |
| 145 | 1... PCB-173 | | | NO | 1.14 | 1.000 | 48.79 | | 0.983 | | YES | | | 0.981 | |
| 146 | 1... PCB-172 | | | NO | 1.31 | 1.000 | 49.27 | | 0.992 | | YES | | | 0.857 | |
| 147 | 1... PCB-192 | | | NO | 1.70 | 1.000 | 49.46 | | 0.996 | | YES | | | 0.658 | |
| 148 | 1... PCB-180 | | | NO | 1.32 | 1.000 | 49.67 | | 1.000 | | YES | | | 0.849 | |
| 149 | 1... PCB-193 | | | NO | 1.54 | 1.000 | 49.90 | | 1.005 | | YES | | | 0.728 | |
| 150 | 1... PCB-191 | | | NO | 1.57 | 1.000 | 50.14 | | 1.010 | | YES | | | 0.712 | |
| 151 | 1... PCB-170 | | | NO | 1.36 | 1.000 | 51.34 | | 1.000 | | YES | | | 0.961 | |
| 152 | 1... PCB-190 | | | NO | 1.84 | 1.000 | 51.52 | | 1.004 | | YES | | | 0.710 | |
| 153 | 1... PCB-189 | | | NO | 1.33 | 1.000 | 53.08 | | 1.000 | | YES | | | 0.647 | |
| 154 | 1... PCB-202 | | | NO | 1.02 | 1.000 | 48.57 | | 1.001 | | YES | | | 0.749 | |
| 155 | 1... PCB-201 | | | NO | 0.915 | 1.000 | 49.06 | | 1.011 | | YES | | | 0.838 | |
| 156 | 1... PCB-204 | | | NO | 0.979 | 1.000 | 49.20 | | 1.014 | | YES | | | 0.783 | |
| 157 | 1... PCB-197 | | | NO | 0.979 | 1.000 | 49.52 | | 1.020 | | YES | | | 0.783 | |
| 158 | 1... PCB-200 | | | NO | 0.954 | 1.000 | 50.47 | | 1.040 | | YES | | | 0.804 | |
| 159 | 1... PCB-198 | | | NO | 0.748 | 1.000 | 52.02 | | 1.072 | | YES | | | 1.02 | |
| 160 | 1... PCB-199 | | | NO | 0.706 | 1.000 | 52.14 | | 1.074 | | YES | | | 1.09 | |
| 161 | 1... PCB-196/203 | | | NO | 0.785 | 1.000 | 52.45 | | 1.081 | | YES | | | 0.977 | |
| 162 | 1... PCB-195 | | | NO | 1.03 | 1.000 | 53.79 | | 0.984 | | YES | | | 0.562 | |
| 163 | 1... PCB-194 | | | NO | 1.16 | 1.000 | 54.71 | | 1.000 | | YES | | | 0.502 | |
| 164 | 1... PCB-205 | | | NO | 1.40 | 1.000 | 54.97 | | 1.005 | | YES | | | 0.415 | |
| 165 | 1... PCB-208 | | | NO | 0.934 | 1.000 | 53.93 | | 1.000 | | YES | | | 0.406 | |
| 166 | 1... PCB-207 | | | NO | 0.912 | 1.000 | 54.25 | | 1.006 | | YES | | | 0.416 | |
| 167 | 1... PCB-206 | | | NO | 0.987 | 1.000 | 56.24 | | 1.000 | | YES | | | 0.498 | |
| 168 | 1... PCB-209 | 8.35e1 | 0.84 | YES | 0.943 | 1.000 | 57.47 | 57.48 | 1.000 | 1.000 | NO | 1.344 | | 0.209 | 1.138 |
| 169 | 1... 13C-PCB-1 | 6.09e5 | 3.52 | NO | 1.08 | 1.000 | 15.51 | 15.50 | 0.608 | 0.608 | NO | 836.8 | 41.8 | 1.54 | |
| 170 | 1... 13C-PCB-3 | 6.16e5 | 3.38 | NO | 1.09 | 1.000 | 18.15 | 18.14 | 0.712 | 0.712 | NO | 836.3 | 41.8 | 1.53 | |
| 171 | 1... 13C-PCB-4 | 4.68e5 | 1.62 | NO | 0.640 | 1.000 | 19.51 | 19.50 | 0.765 | 0.765 | NO | 1083 | 54.2 | 0.906 | |
| 172 | 1... 13C-PCB-9 | 7.30e5 | 1.60 | NO | 0.995 | 1.000 | 21.33 | 21.32 | 0.837 | 0.836 | NO | 1085 | 54.3 | 0.583 | |
| 173 | 1... 13C-PCB-11 | 7.53e5 | 1.61 | NO | 0.971 | 1.000 | 24.78 | 24.77 | 0.972 | 0.972 | NO | 1147 | 57.4 | 0.597 | |
| 174 | 1... 13C-PCB-19 | 3.49e5 | 1.05 | NO | 0.637 | 1.000 | 23.74 | 23.73 | 0.931 | 0.931 | NO | 810.9 | 40.5 | 7.37 | |
| 175 | 1... 13C-PCB-32 | 4.95e5 | 1.00 | NO | 0.910 | 1.000 | 26.73 | 26.72 | 1.048 | 1.048 | NO | 804.7 | 40.2 | 5.16 | |
| 176 | 1... 13C-PCB-28 | 5.65e5 | 1.01 | NO | 1.07 | 1.000 | 28.74 | 28.73 | 1.004 | 1.003 | NO | 977.6 | 48.9 | 7.91 | |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-6.qld

Last Altered: Monday, October 14, 2019 16:14:43 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:17:01 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|-------|------|
| 177 | 1... 13C-PCB-37 | 5.71e5 | 1.00 | NO | 0.959 | 1.000 | 32.72 | 32.73 | 1.143 | 1.143 | NO | 1102 | 55.1 | 8.81 | |
| 178 | 1... 13C-PCB-54 | 4.43e5 | 0.76 | NO | 1.10 | 1.000 | 27.59 | 27.57 | 0.753 | 0.752 | NO | 1170 | 58.5 | 2.11 | |
| 179 | 1... 13C-PCB-52 | 3.40e5 | 0.77 | NO | 0.844 | 1.000 | 31.25 | 31.22 | 0.853 | 0.852 | NO | 1167 | 58.4 | 2.74 | |
| 180 | 1... 13C-PCB-47 | 3.49e5 | 0.79 | NO | 0.893 | 1.000 | 31.77 | 31.74 | 0.867 | 0.866 | NO | 1131 | 56.6 | 2.59 | |
| 181 | 1... 13C-PCB-70 | 4.02e5 | 0.76 | NO | 1.01 | 1.000 | 35.39 | 35.37 | 0.965 | 0.965 | NO | 1157 | 57.9 | 2.30 | |
| 182 | 1... 13C-PCB-80 | 4.05e5 | 0.77 | NO | 1.05 | 1.000 | 35.82 | 35.82 | 0.977 | 0.977 | NO | 1122 | 56.1 | 2.21 | |
| 183 | 1... 13C-PCB-81 | 3.69e5 | 0.76 | NO | 0.985 | 1.000 | 39.02 | 39.00 | 1.064 | 1.064 | NO | 1087 | 54.3 | 2.35 | |
| 184 | 1... 13C-PCB-77 | 3.63e5 | 0.77 | NO | 0.958 | 1.000 | 39.63 | 39.63 | 1.081 | 1.081 | NO | 1097 | 54.9 | 2.42 | |
| 185 | 1... 13C-PCB-104 | 2.79e5 | 1.62 | NO | 1.10 | 1.000 | 32.43 | 32.41 | 0.827 | 0.826 | NO | 1246 | 62.3 | 0.934 | |
| 186 | 1... 13C-PCB-95 | 2.13e5 | 1.57 | NO | 0.852 | 1.000 | 35.68 | 35.69 | 0.910 | 0.910 | NO | 1226 | 61.3 | 1.20 | |
| 187 | 1... 13C-PCB-101 | 1.99e5 | 1.67 | NO | 0.814 | 1.000 | 37.43 | 37.42 | 0.954 | 0.954 | NO | 1197 | 59.9 | 1.26 | |
| 188 | 1... 13C-PCB-97 | 1.69e5 | 1.66 | NO | 0.709 | 1.000 | 38.78 | 38.78 | 0.989 | 0.989 | NO | 1169 | 58.5 | 1.44 | |
| 189 | 1... 13C-PCB-123 | 2.01e5 | 1.66 | NO | 0.922 | 1.000 | 41.42 | 41.42 | 1.056 | 1.056 | NO | 1071 | 53.6 | 1.11 | |
| 190 | 1... 13C-PCB-118 | 2.06e5 | 1.63 | NO | 0.975 | 1.000 | 41.60 | 41.60 | 1.061 | 1.061 | NO | 1034 | 51.7 | 1.05 | |
| 191 | 1... 13C-PCB-114 | 3.29e5 | 1.55 | NO | 1.52 | 1.000 | 42.27 | 42.28 | 0.908 | 0.908 | NO | 1487 | 74.4 | 1.27 | |
| 192 | 1... 13C-PCB-105 | 3.38e5 | 1.49 | NO | 1.58 | 1.000 | 43.16 | 43.17 | 0.927 | 0.927 | NO | 1463 | 73.2 | 1.22 | |
| 193 | 1... 13C-PCB-127 | 3.48e5 | 1.57 | NO | 1.62 | 1.000 | 43.50 | 43.51 | 0.934 | 0.934 | NO | 1471 | 73.6 | 1.19 | |
| 194 | 1... 13C-PCB-126 | 3.07e5 | 1.56 | NO | 1.45 | 1.000 | 45.47 | 45.48 | 0.976 | 0.977 | NO | 1456 | 72.8 | 1.33 | |
| 195 | 1... 13C-PCB-155 | 1.43e5 | 1.30 | NO | 1.03 | 1.000 | 36.97 | 36.95 | 0.943 | 0.942 | NO | 683.1 | 34.2 | 0.428 | |
| 196 | 1... 13C-PCB-153 | 2.50e5 | 1.25 | NO | 1.42 | 1.000 | 43.33 | 43.34 | 0.931 | 0.931 | NO | 1203 | 60.1 | 1.61 | |
| 197 | 1... 13C-PCB-141 | 2.00e5 | 1.27 | NO | 1.14 | 1.000 | 44.09 | 44.10 | 0.947 | 0.947 | NO | 1199 | 60.0 | 2.01 | |
| 198 | 1... 13C-PCB-138 | 2.07e5 | 1.30 | NO | 1.18 | 1.000 | 44.97 | 44.97 | 0.966 | 0.966 | NO | 1206 | 60.3 | 1.94 | |
| 199 | 1... 13C-PCB-159 | 2.48e5 | 1.32 | NO | 1.43 | 1.000 | 46.27 | 46.30 | 0.994 | 0.994 | NO | 1188 | 59.4 | 1.60 | |
| 200 | 2... 13C-PCB-167 | 2.43e5 | 1.37 | NO | 1.42 | 1.000 | 46.99 | 47.00 | 1.009 | 1.009 | NO | 1170 | 58.5 | 1.61 | |
| 201 | 2... 13C-PCB-156 | 2.32e5 | 1.27 | NO | 1.40 | 1.000 | 48.29 | 48.33 | 1.037 | 1.038 | NO | 1139 | 56.9 | 1.64 | |
| 202 | 2... 13C-PCB-157 | 2.31e5 | 1.27 | NO | 1.41 | 1.000 | 48.59 | 48.61 | 1.044 | 1.044 | NO | 1125 | 56.3 | 1.63 | |
| 203 | 2... 13C-PCB-169 | 2.10e5 | 1.29 | NO | 1.35 | 1.000 | 50.86 | 50.88 | 1.092 | 1.093 | NO | 1071 | 53.6 | 1.70 | |
| 204 | 2... 13C-PCB-188 | 1.80e5 | 0.44 | NO | 1.46 | 1.000 | 42.98 | 42.94 | 0.927 | 0.926 | NO | 1203 | 60.2 | 1.22 | |
| 205 | 2... 13C-PCB-180 | 1.03e5 | 0.47 | NO | 0.932 | 1.000 | 49.65 | 49.65 | 1.070 | 1.070 | NO | 1084 | 54.2 | 1.92 | |
| 206 | 2... 13C-PCB-170 | 8.84e4 | 0.42 | NO | 0.796 | 1.000 | 51.31 | 51.32 | 1.106 | 1.106 | NO | 1087 | 54.3 | 2.24 | |
| 207 | 2... 13C-PCB-189 | 1.19e5 | 0.45 | NO | 1.09 | 1.000 | 53.03 | 53.06 | 1.143 | 1.144 | NO | 1067 | 53.3 | 1.64 | |
| 208 | 2... 13C-PCB-202 | 1.03e5 | 0.94 | NO | 1.45 | 1.000 | 48.52 | 48.53 | 1.042 | 1.042 | NO | 694.2 | 34.7 | 0.537 | |
| 209 | 2... 13C-PCB-194 | 1.65e5 | 0.91 | NO | 0.714 | 1.000 | 54.70 | 54.69 | 0.995 | 0.995 | NO | 1167 | 58.3 | 1.26 | |
| 210 | 2... 13C-PCB-208 | 1.81e5 | 0.76 | NO | 0.896 | 1.000 | 53.95 | 53.91 | 0.982 | 0.981 | NO | 1015 | 50.8 | 0.944 | |
| 211 | 2... 13C-PCB-206 | 1.31e5 | 0.81 | NO | 0.653 | 1.000 | 56.21 | 56.23 | 1.023 | 1.023 | NO | 1014 | 50.7 | 1.30 | |
| 212 | 2... 13C-PCB-209 | 1.32e5 | 1.21 | NO | 0.806 | 1.000 | 57.46 | 57.47 | 1.045 | 1.046 | NO | 824.6 | 41.2 | 0.188 | |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-6.qld

Last Altered: Monday, October 14, 2019 16:14:43 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:17:01 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|--------|------|-------|--------|
| 213 | 2... 13C-PCB-15 | 1.35e6 | 1.59 | NO | 1.00 | 1.000 | 25.49 | 25.49 | 1.000 | 0.000 | NO | 2000 | 100 | 0.580 | |
| 214 | 2... 13C-PCB-31 | 1.08e6 | 0.99 | NO | 1.00 | 1.000 | 28.64 | 28.64 | 1.000 | 0.000 | NO | 2000 | 100 | 8.45 | |
| 215 | 2... 13C-PCB-60 | 6.90e5 | 0.78 | NO | 1.00 | 1.000 | 36.66 | 36.65 | 1.000 | 0.000 | NO | 2000 | 100 | 2.31 | |
| 216 | 2... 13C-PCB-111 | 4.08e5 | 1.61 | NO | 1.00 | 1.000 | 39.22 | 39.22 | 1.000 | 0.000 | NO | 2000 | 100 | 1.02 | |
| 217 | 2... 13C-PCB-128 | 2.91e5 | 1.27 | NO | 1.00 | 1.000 | 46.58 | 46.56 | 1.000 | 0.000 | NO | 2000 | 100 | 2.29 | |
| 218 | 2... 13C-PCB-182 | 2.04e5 | 0.44 | NO | 1.00 | 1.000 | 46.41 | 46.39 | 0.000 | 0.000 | NO | 2000 | 100 | 1.78 | |
| 219 | 2... 13C-PCB-205 | 3.97e5 | 0.92 | NO | 1.00 | 1.000 | 54.98 | 54.97 | 1.000 | 0.000 | NO | 2000 | 100 | 0.897 | |
| 220 | 2... 13C-PCB-79 | 4.44e5 | 0.78 | NO | 1.03 | 1.000 | 37.75 | 37.75 | 1.030 | 1.030 | NO | 1246 | 62.3 | 2.24 | |
| 221 | 2... 13C-PCB-178 | 1.25e5 | 0.47 | NO | 0.875 | 1.000 | 45.84 | 45.84 | 0.988 | 0.988 | NO | 980.8 | 49.0 | 1.47 | |
| 222 | 2... 13C-PCB-79 | 4.44e5 | 0.78 | NO | 1.05 | 1.000 | 37.73 | 37.75 | 0.967 | 0.968 | NO | 2298 | 115 | 4.36 | |
| 223 | 2... 13C-PCB-178 | 1.25e5 | 0.47 | NO | 0.975 | 1.000 | 45.86 | 45.84 | 0.924 | 0.923 | NO | 2486 | 124 | 3.75 | |
| 224 | 2... Total Mono-PCBs | | | | 1.01 | 1.000 | 0.00 | | 0.000 | | NO | | | 1.37 | 0.967 |
| 225 | 2... Total Di-PCBs | | | | 1.06 | 1.000 | 0.00 | | 0.000 | | NO | | | 1.8 | 2.77 |
| 226 | 2... 2nd Function Tri-PCBs | | | | 0.914 | 1.000 | 0.00 | | 0.000 | | NO | | | 5.02 | >0.983 |
| 227 | 2... 3rd Function Tri-PCBs | | | | 1.06 | 1.000 | 0.00 | | 0.000 | | NO | | | 8.93 | |
| 228 | 2... Total Tetra-PCBs | | | | 0.986 | 1.000 | 0.00 | | 0.000 | | NO | | | 23.2 | 1.26 |
| 229 | 2... 3rd Function Penta-PCBs | | | | 1.12 | 1.000 | 0.00 | | 0.000 | | NO | | | 36.5 | >1.93 |
| 230 | 2... 4th Function Penta-PCBs | | | | 1.11 | 1.000 | 0.00 | | 0.000 | | NO | | | 4.05 | |
| 231 | 2... 3rd Function Hexa-PCBs | | | | 0.774 | 1.000 | 0.00 | | 0.000 | | NO | | | 19.0 | >1.21 |
| 232 | 2... 4th Function Hexa-PCBs | | | | 0.972 | 1.000 | 0.00 | | 0.000 | | NO | | | 14.2 | |
| 233 | 2... Total Hepta-PCBs | | | | 1.26 | 1.000 | 0.00 | | 0.000 | | NO | | | 17.2 | 0.961 |
| 234 | 2... 4th Function Octa-PCBs | | | | 0.886 | 1.000 | 0.00 | | 0.000 | | NO | | | 7.05 | >1.09 |
| 235 | 2... 5th Function Octa-PCBs | | | | 1.20 | 1.000 | 0.00 | | 0.000 | | NO | | | 1.48 | |
| 236 | 2... Total Nona-PCBs | | | | 0.945 | 1.000 | 0.00 | | 0.000 | | NO | | | 1.32 | 0.498 |
| 237 | 2... Deca-CB | | | | 0.943 | 1.000 | 0.00 | | 0.000 | | NO | 0.0000 | | 0.209 | 1.138 |

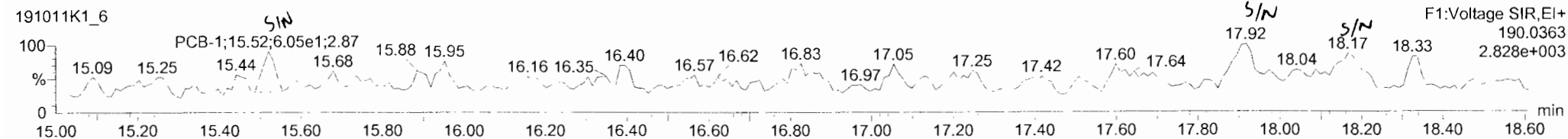
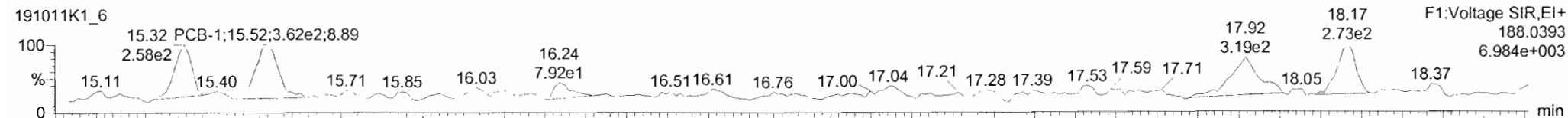
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

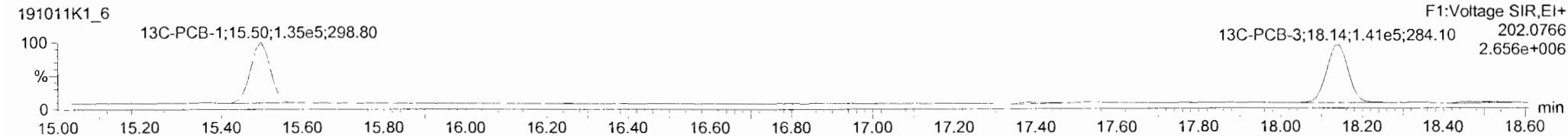
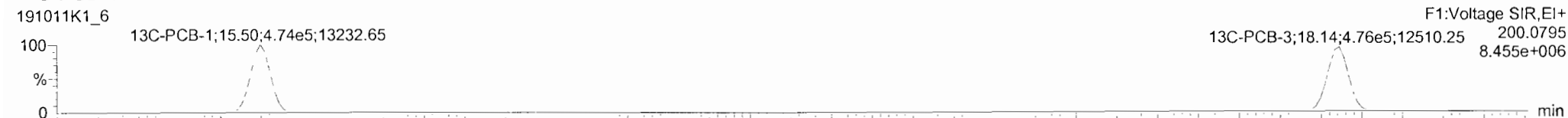
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

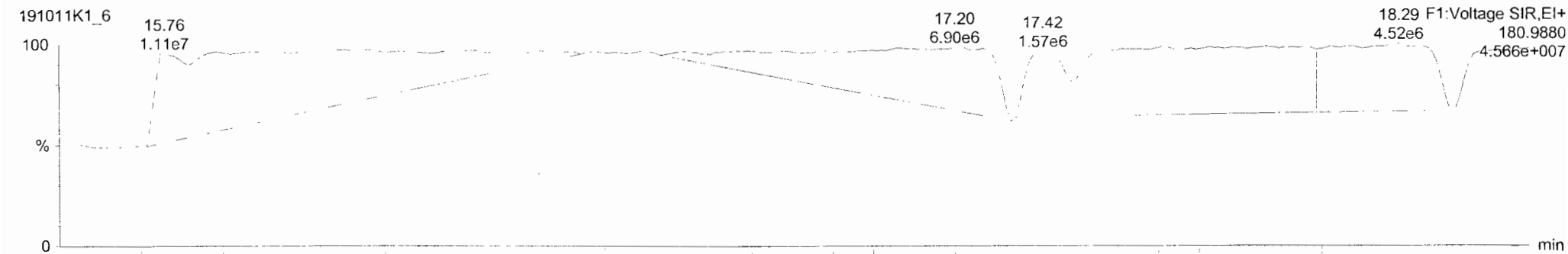
PCB-1

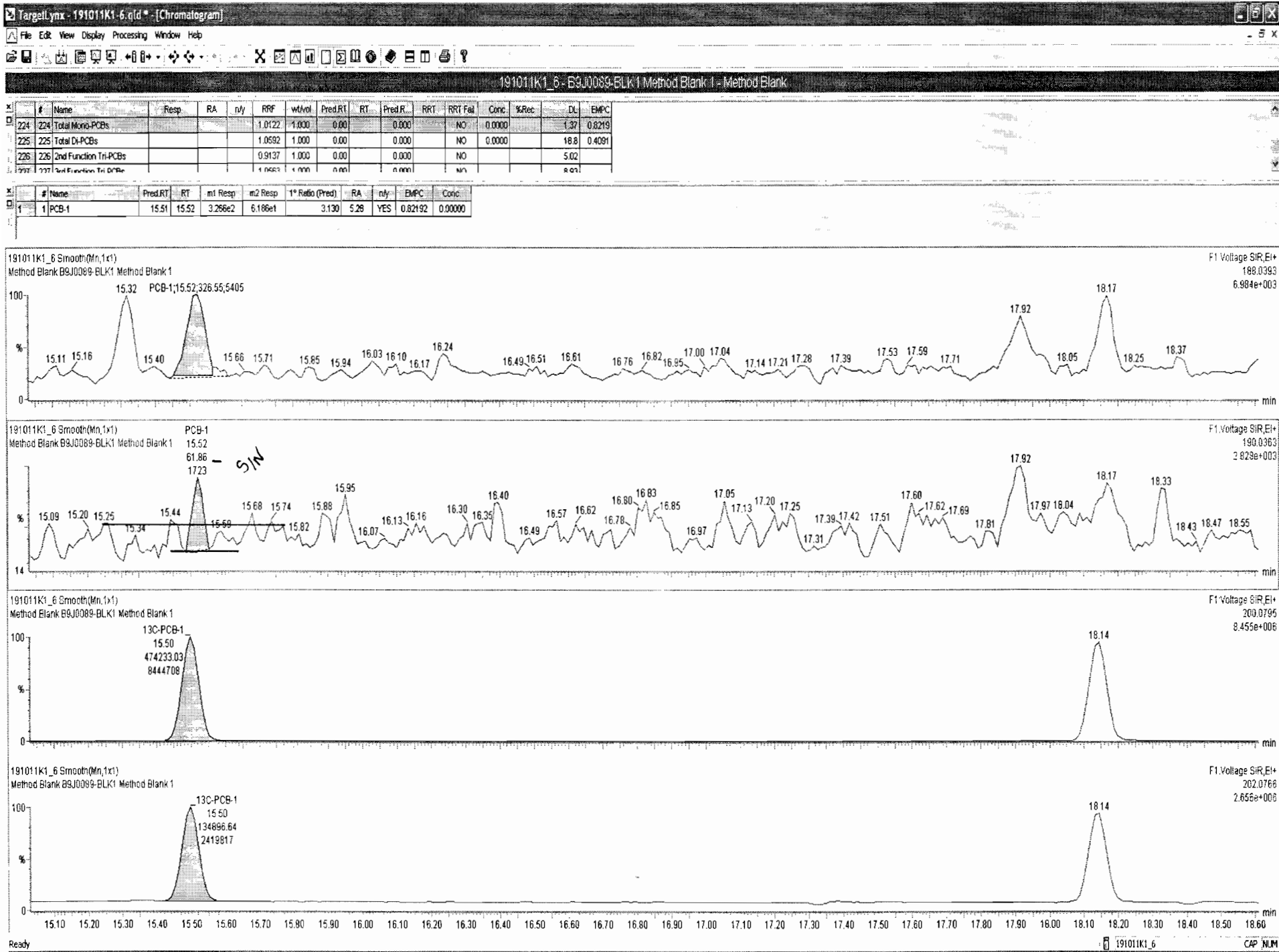


13C-PCB-1



PFK1



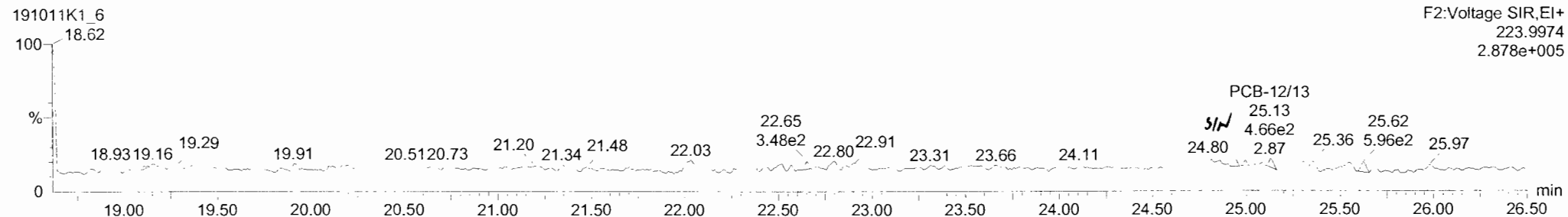
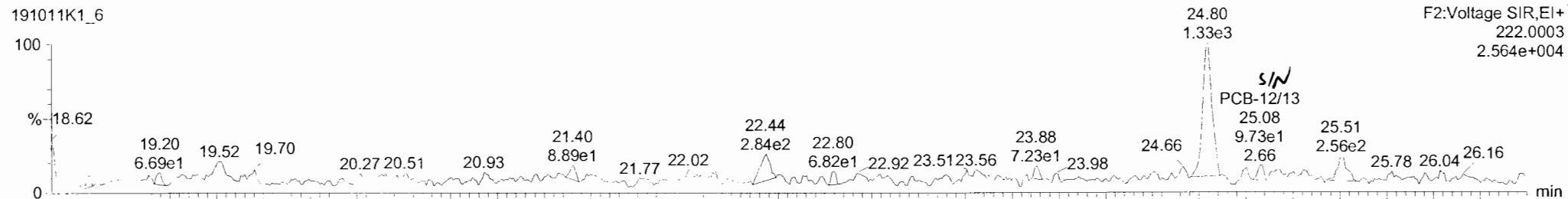


Dataset: Untitled

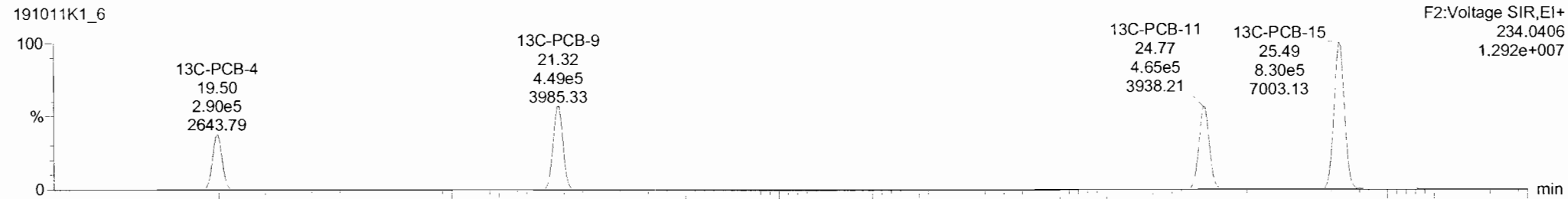
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
 Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-4/10



13C-PCB-4



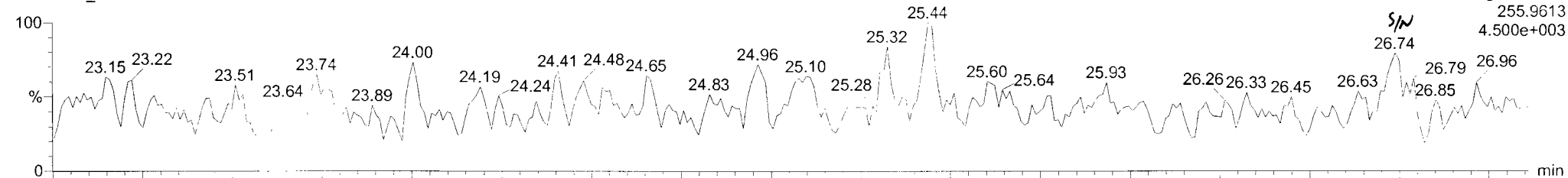
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

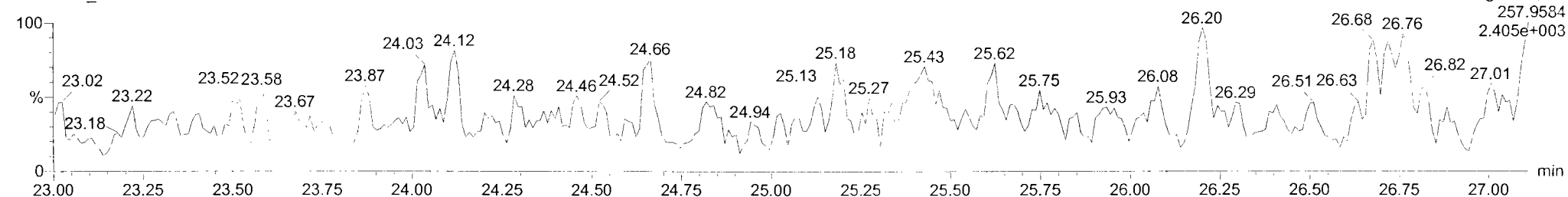
Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-19

191011K1_6

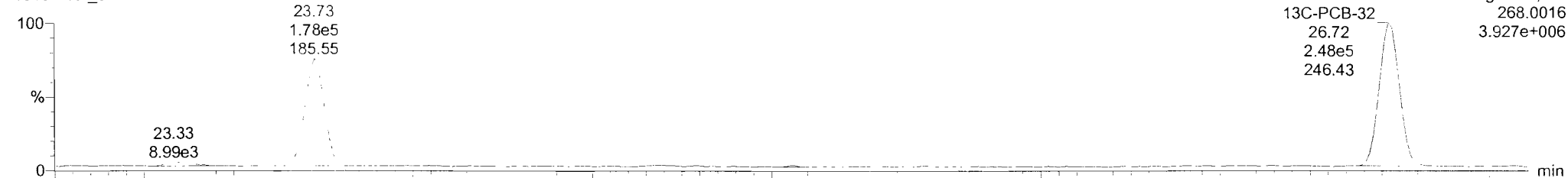


191011K1_6

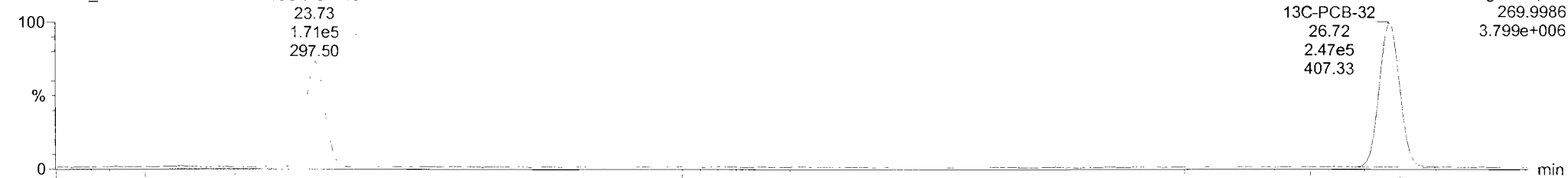


13C-PCB-19

191011K1_6



191011K1_6

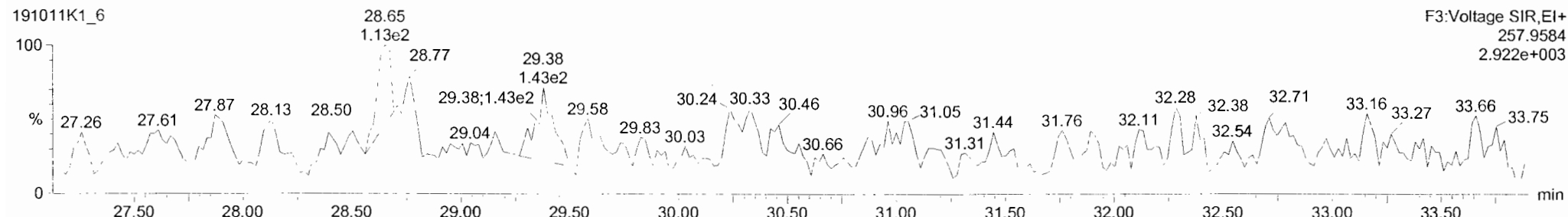
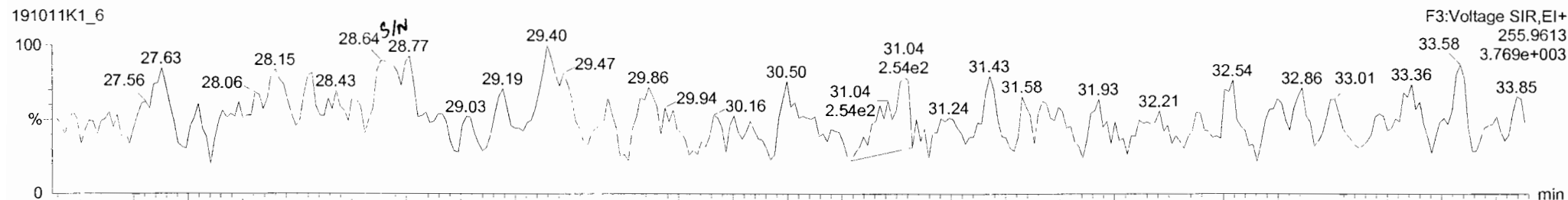


Dataset: Untitled

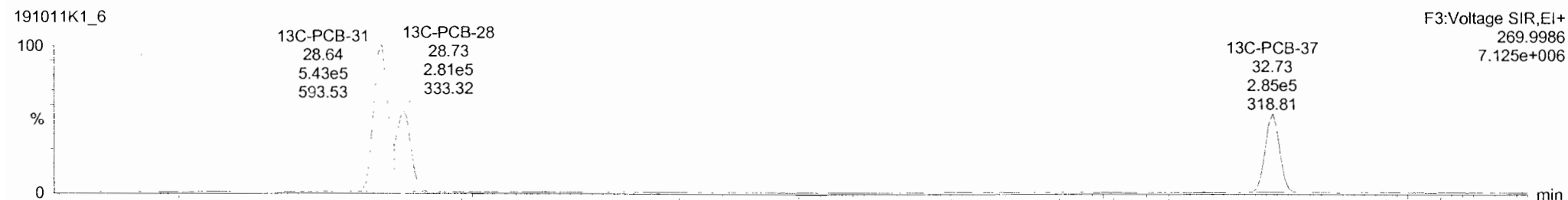
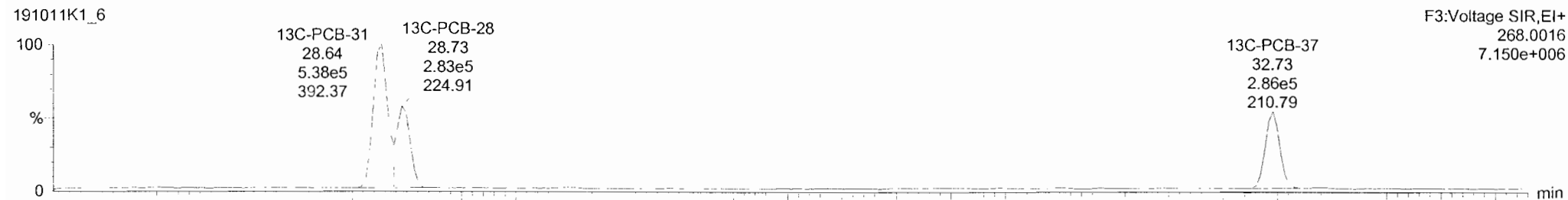
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-34



13C-PCB-28

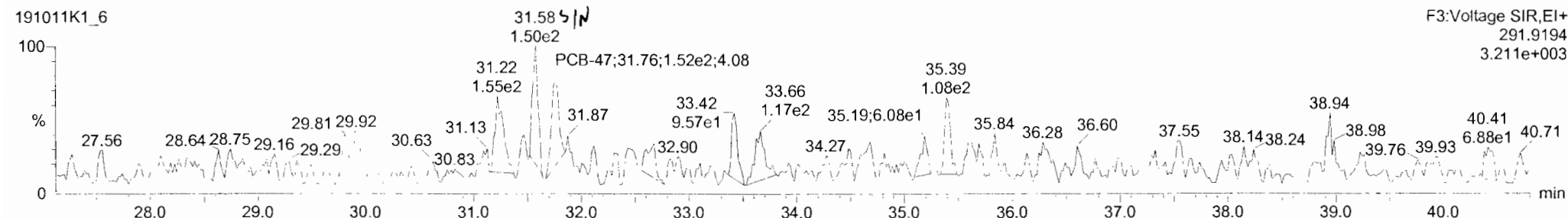
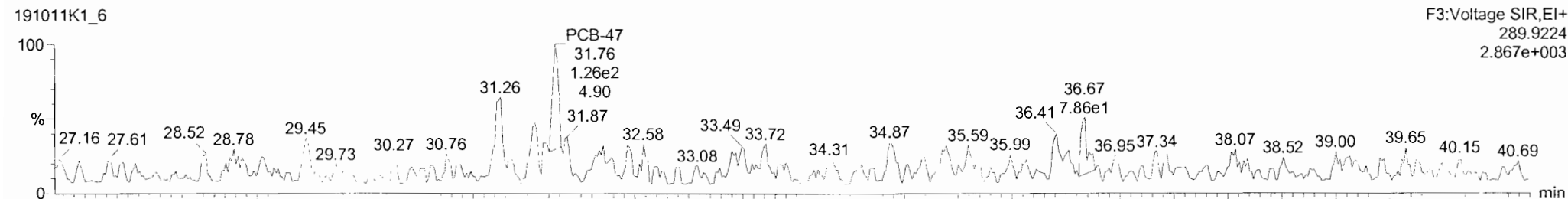


Dataset: Untitled

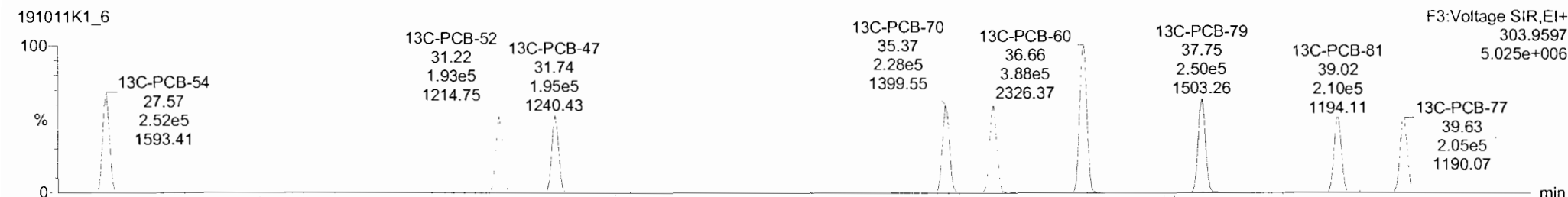
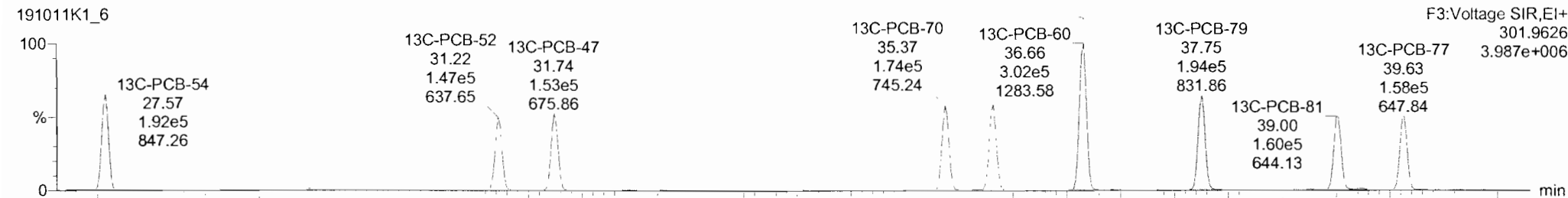
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
 Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-54



13C-PCB-54



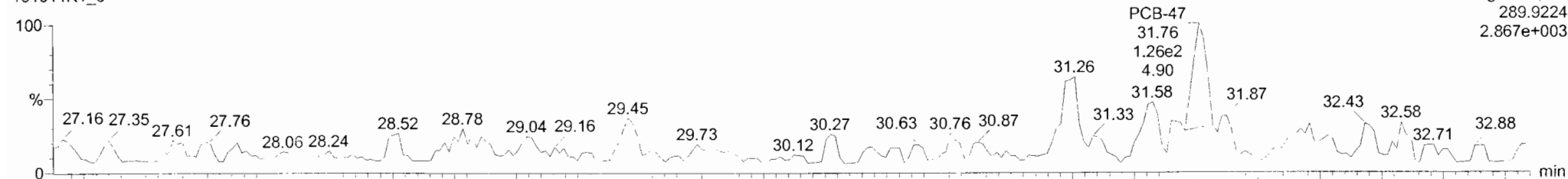
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

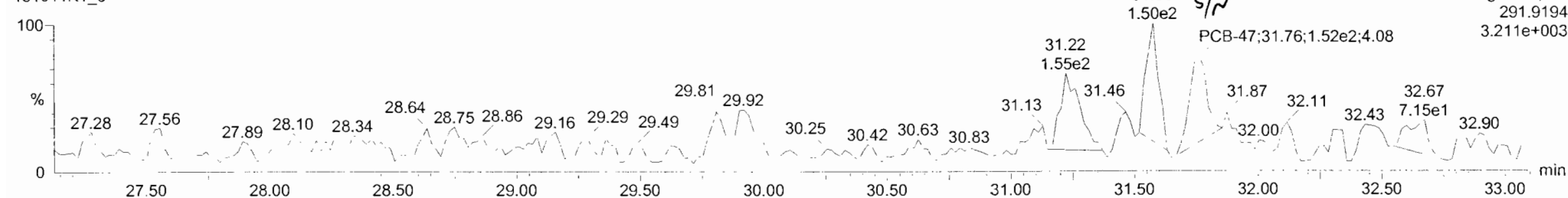
Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-50

191011K1_6

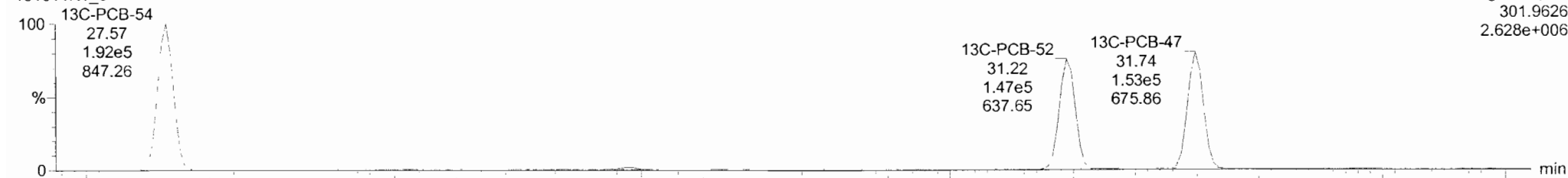


191011K1_6



13C-PCB-52

191011K1_6



191011K1_6



Dataset: Untitled

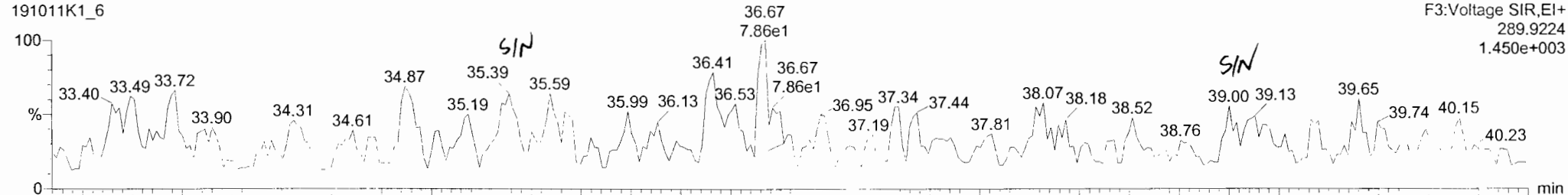
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

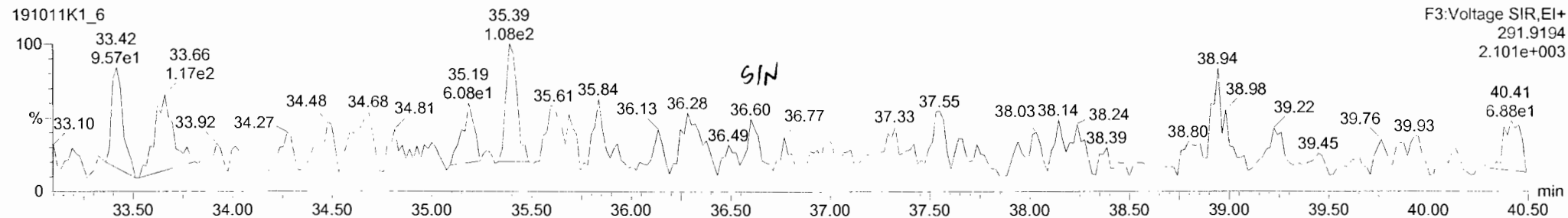
Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-68

191011K1_6

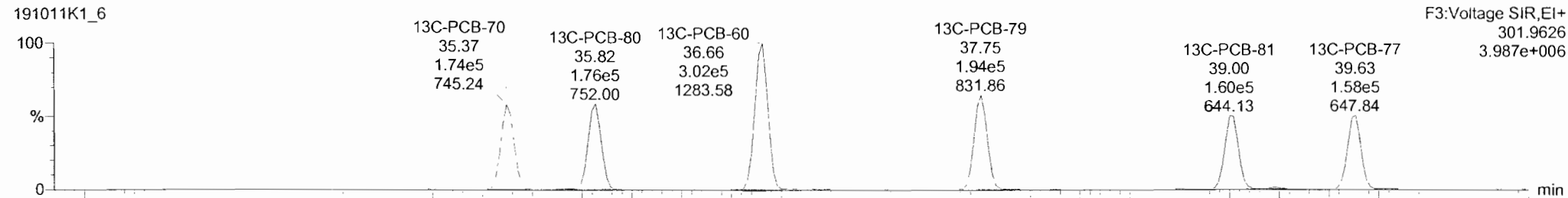


191011K1_6

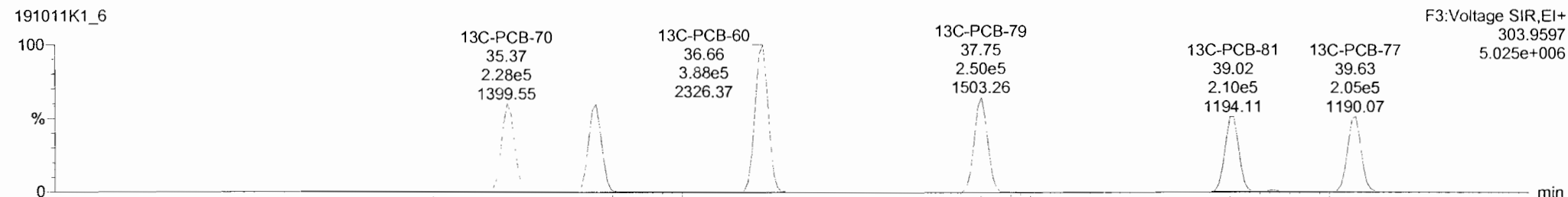


13C-PCB-60

191011K1_6



191011K1_6



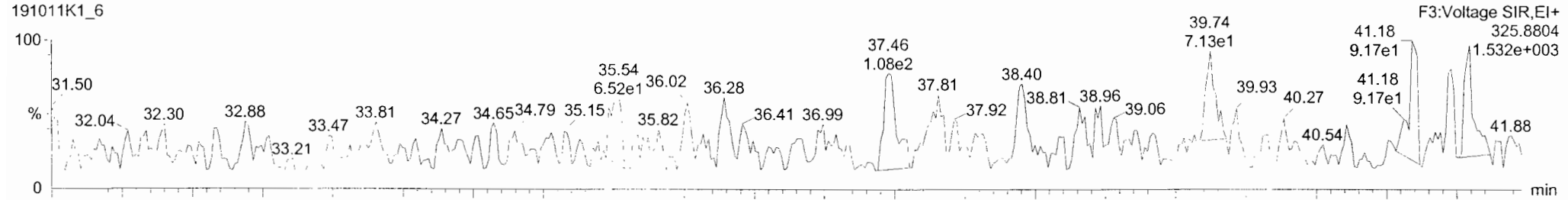
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

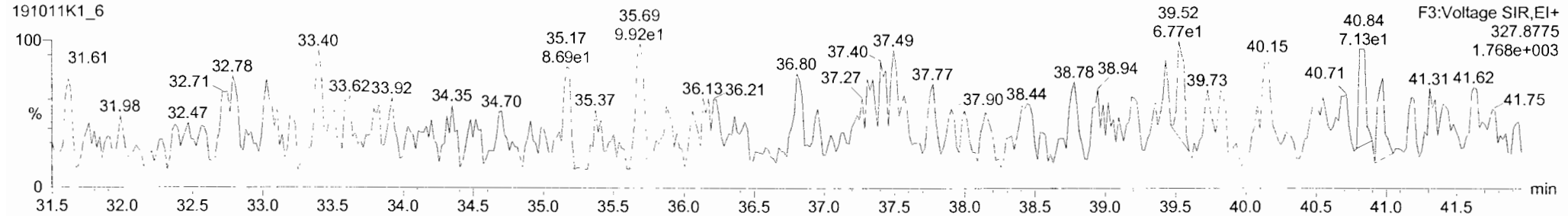
Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-104

191011K1_6

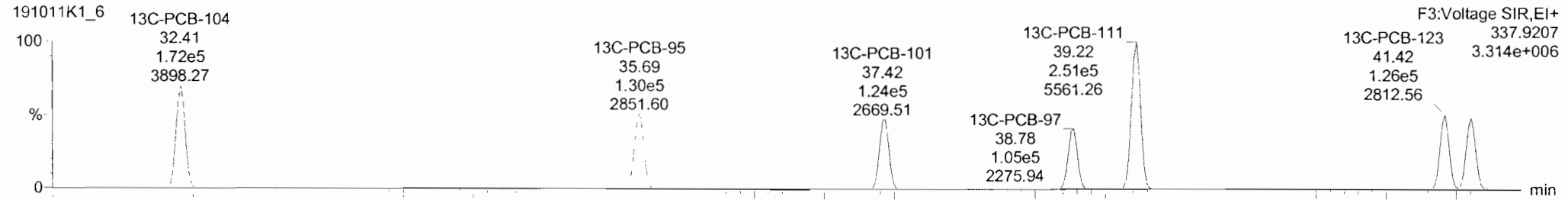


191011K1_6

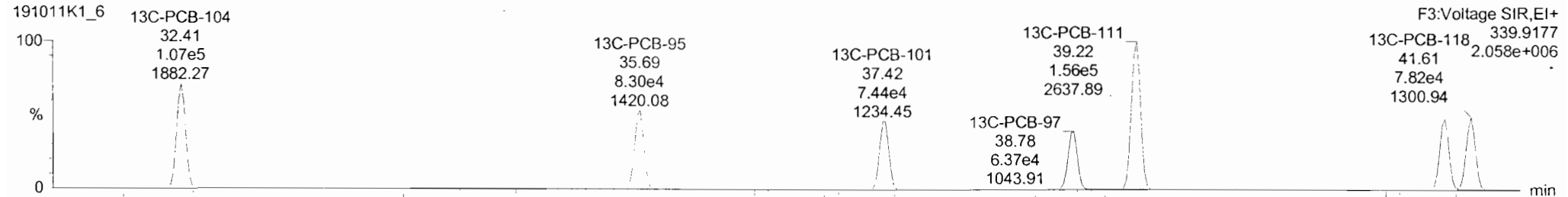


13C-PCB-104

191011K1_6



191011K1_6



Dataset: Untitled

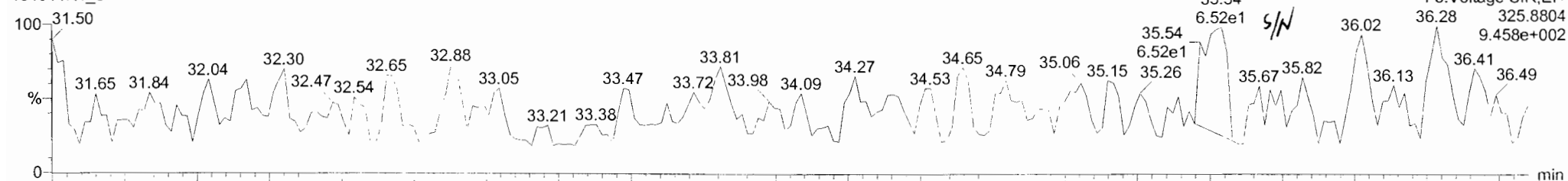
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

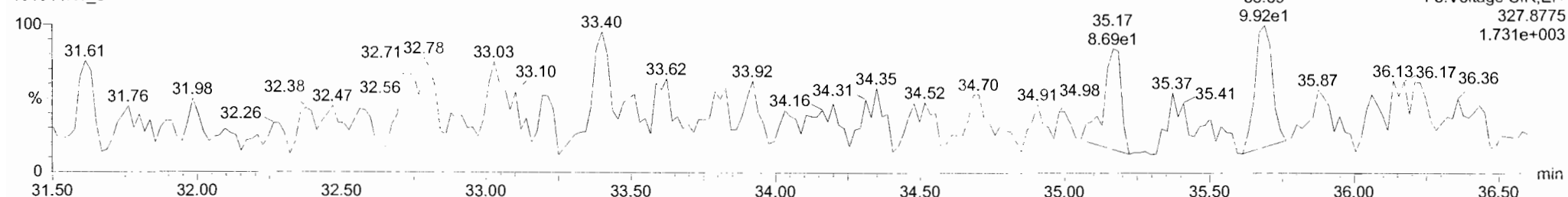
Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-96

191011K1_6

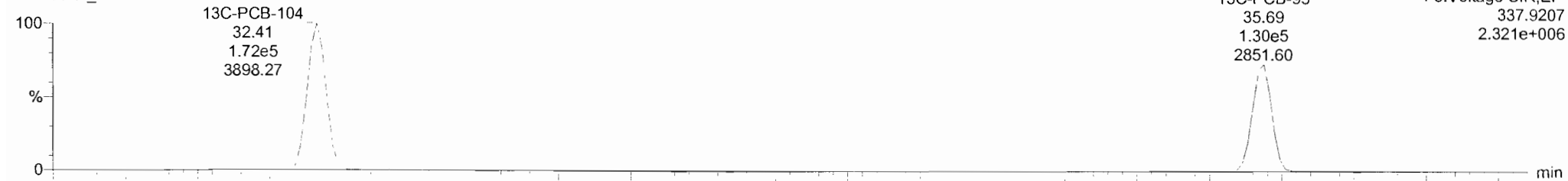


191011K1_6

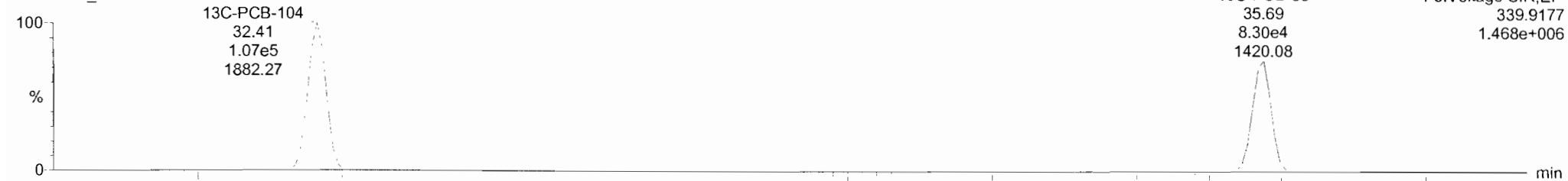


13C-PCB-95

191011K1_6



191011K1_6

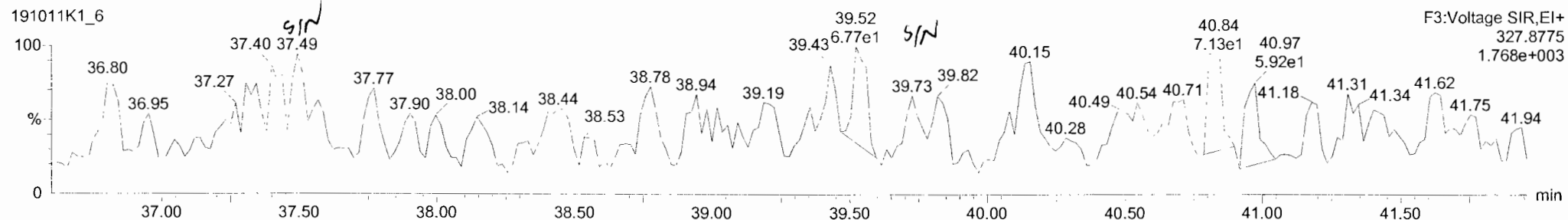
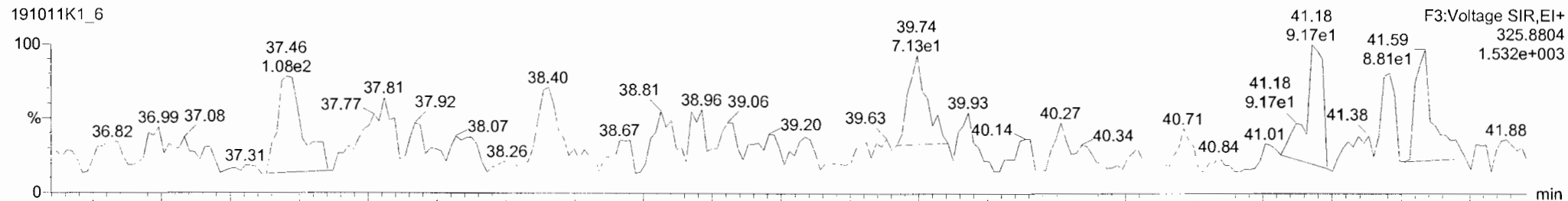


Dataset: Untitled

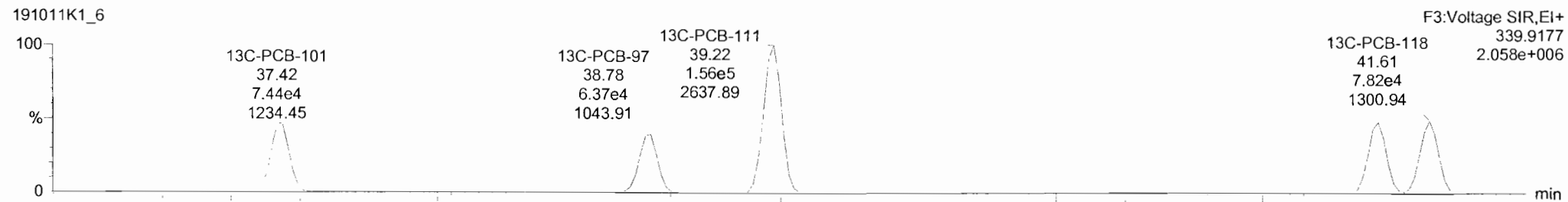
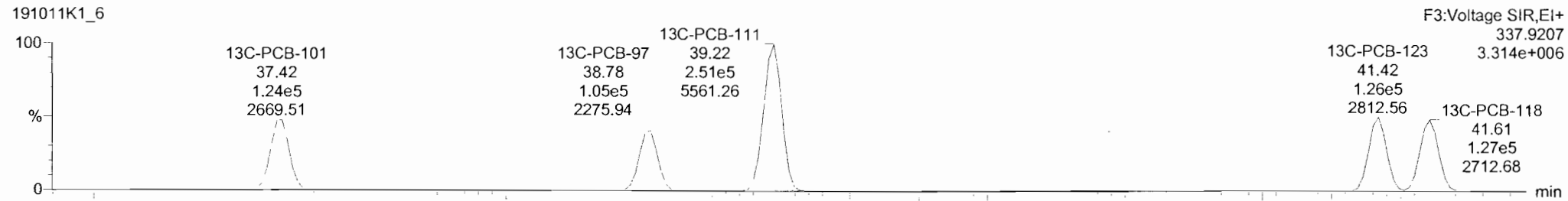
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
 Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-119



13C-PCB-111



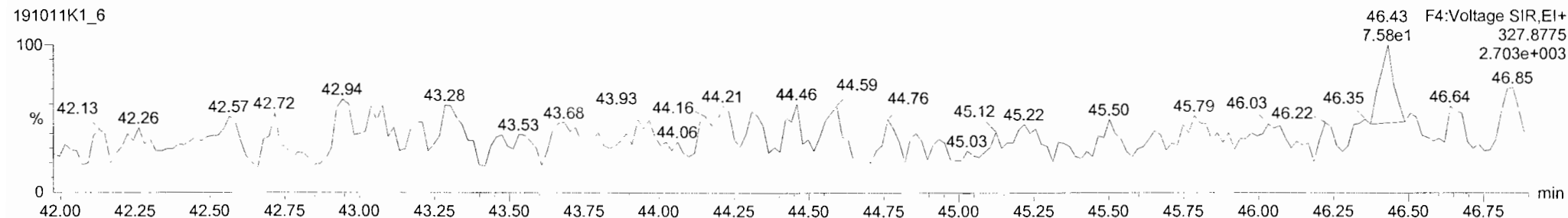
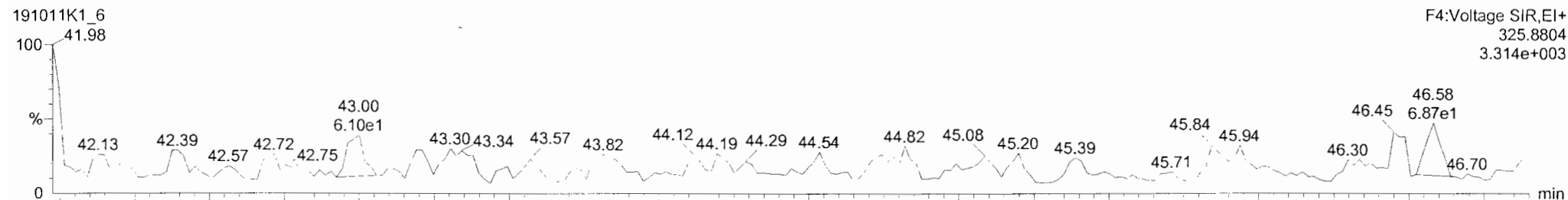
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

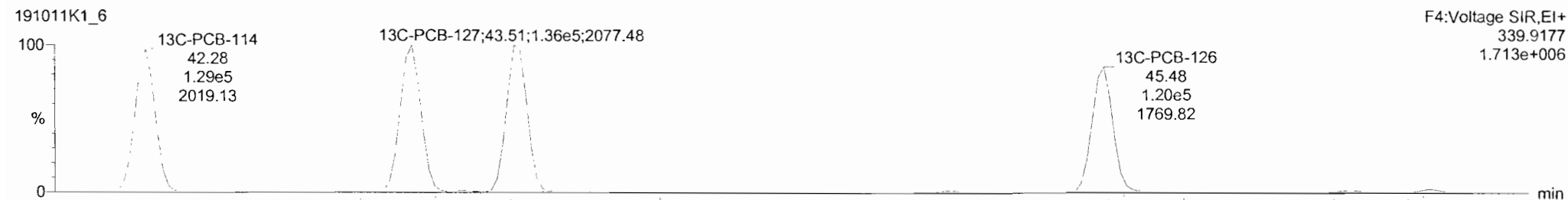
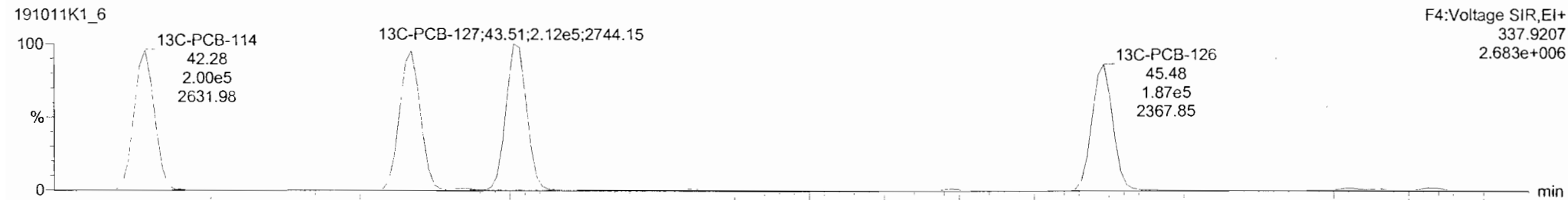
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-114



13C-PCB-114



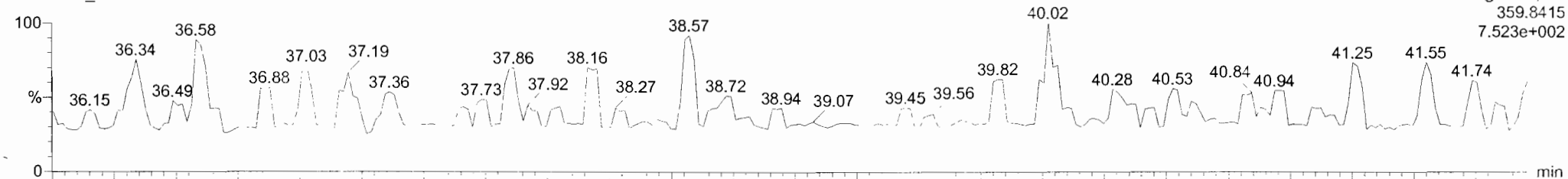
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

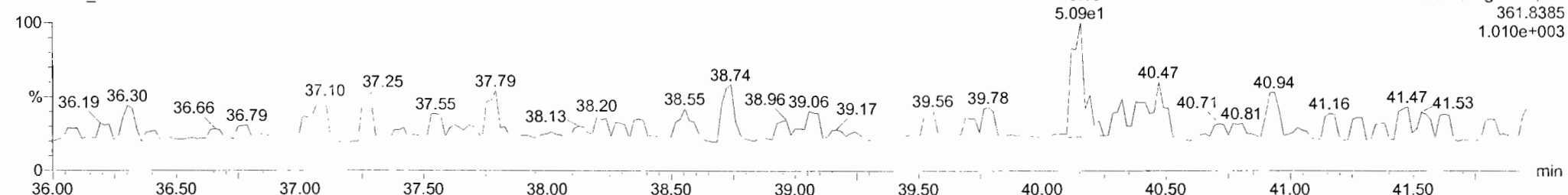
Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-155

191011K1_6

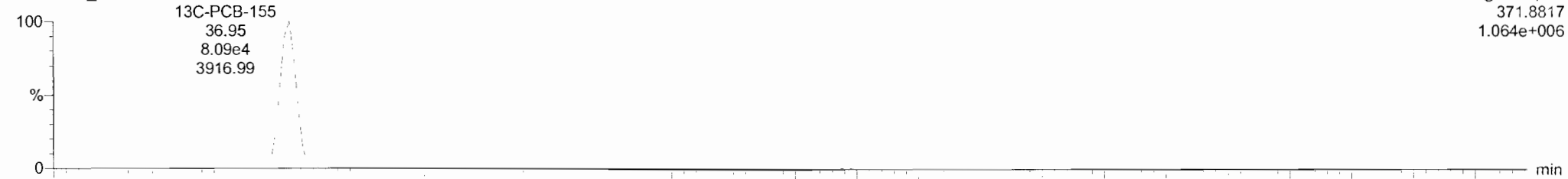


191011K1_6



13C-PCB-155

191011K1_6



191011K1_6

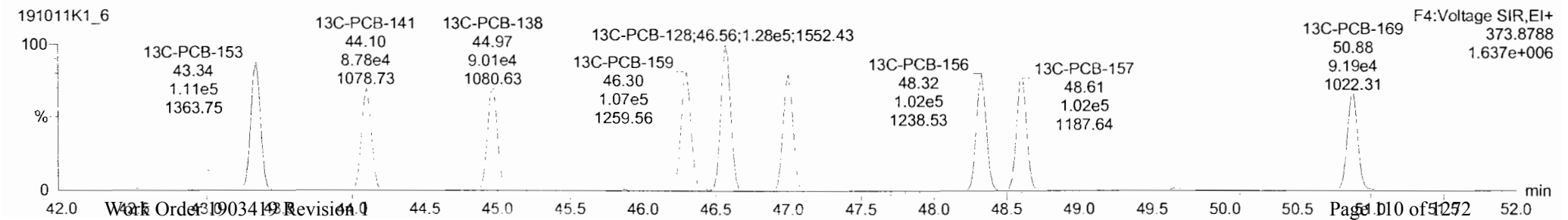
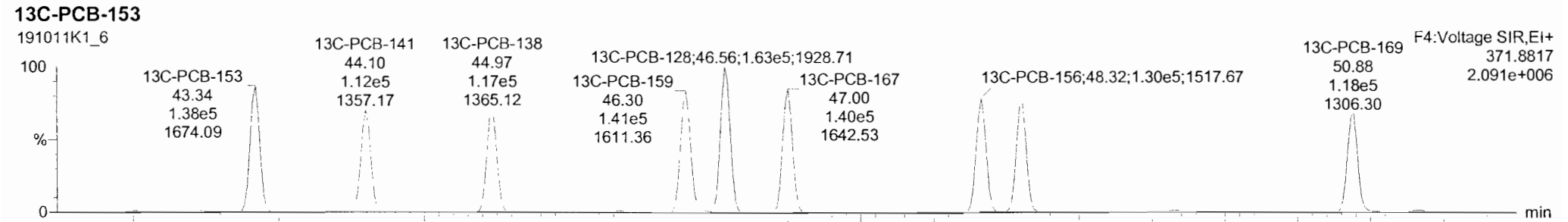
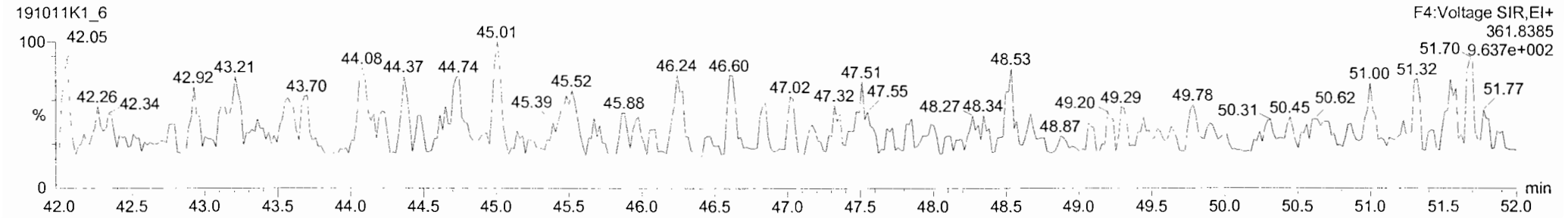
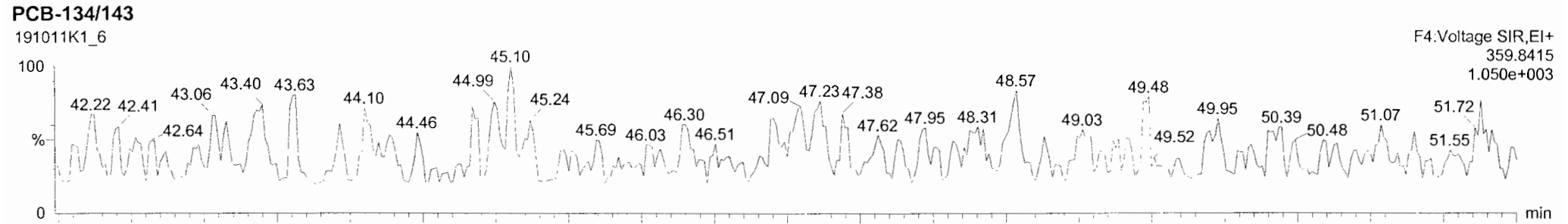


Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank



Dataset: Untitled

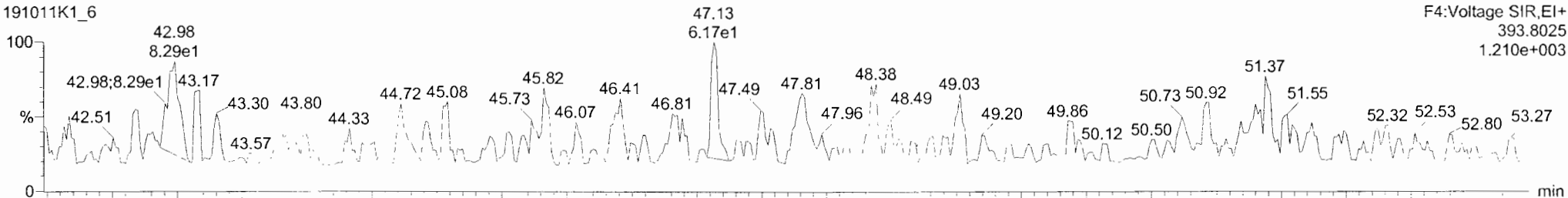
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

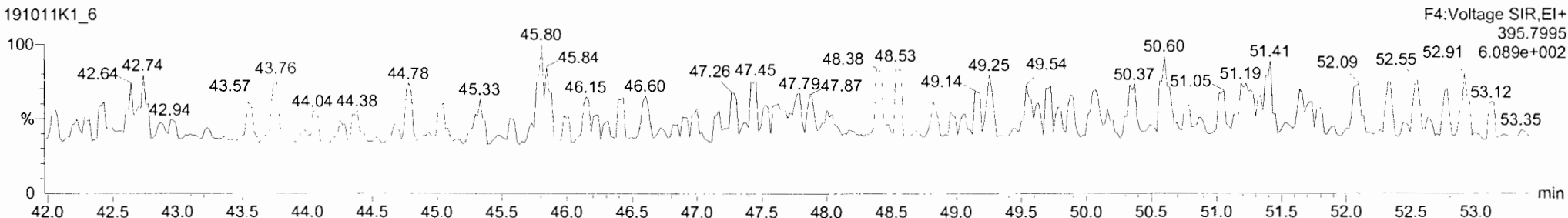
Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-188

191011K1_6

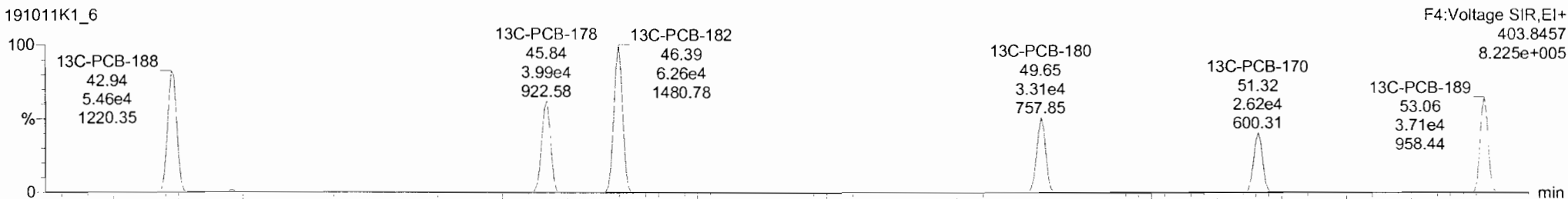


191011K1_6

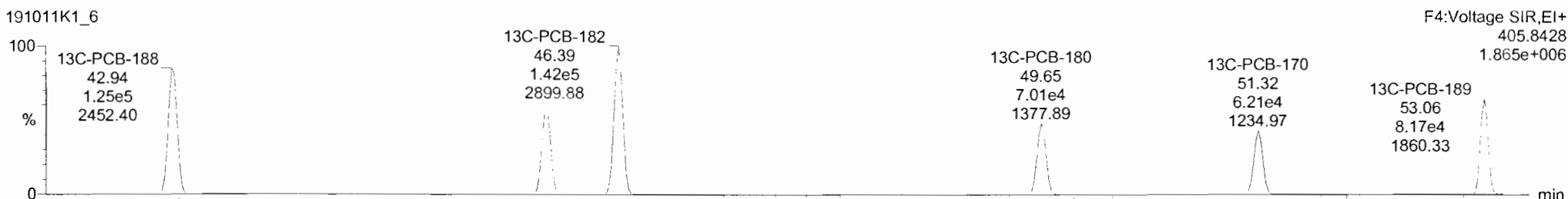


13C-PCB-188

191011K1_6



191011K1_6



Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

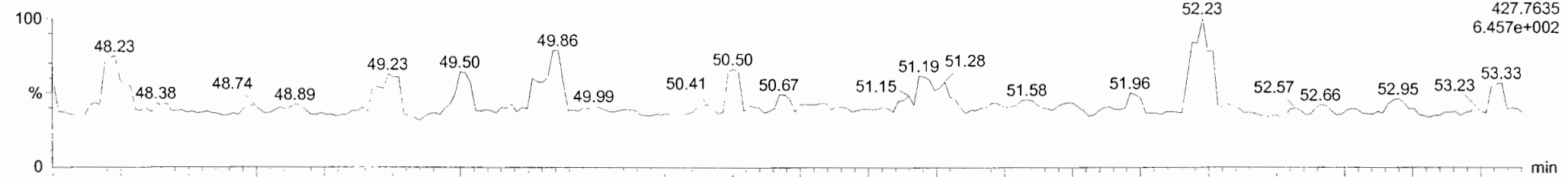
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

PCB-202

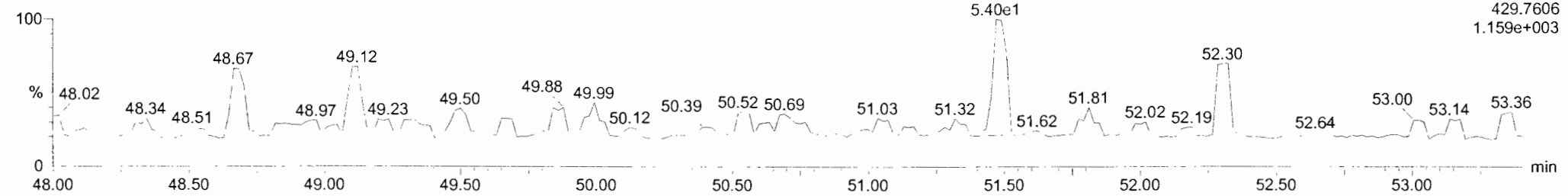
191011K1_6

F4:Voltage SIR,EI+
427.7635
6.457e+002



191011K1_6

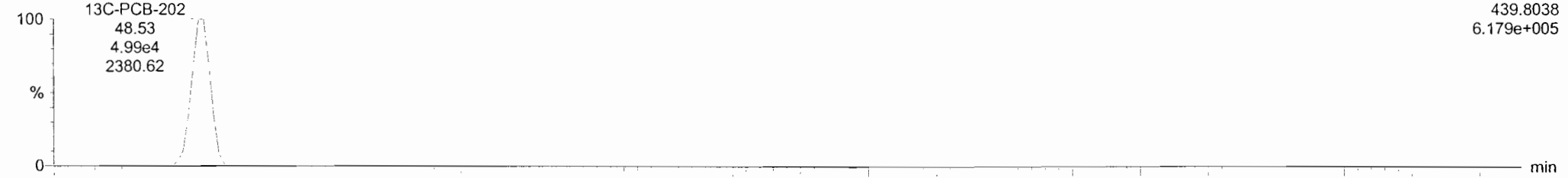
F4:Voltage SIR,EI+
429.7606
1.159e+003



13C-PCB-202

191011K1_6

F4:Voltage SIR,EI+
439.8038
6.179e+005



191011K1_6

F4:Voltage SIR,EI+
441.8008
6.737e+005

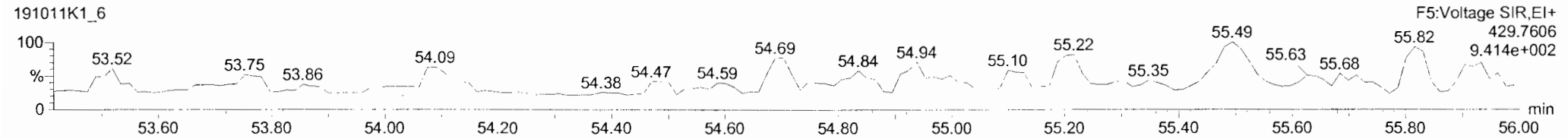
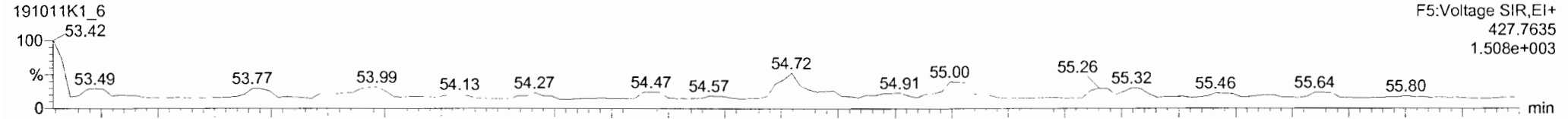


Dataset: Untitled

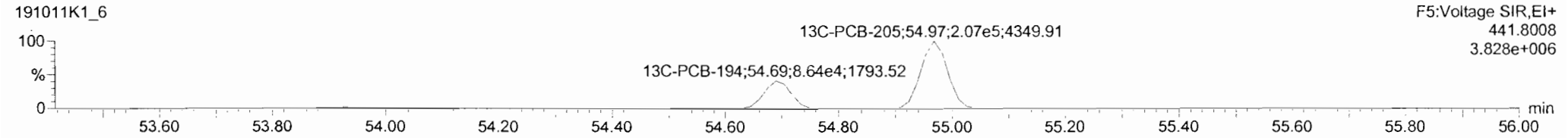
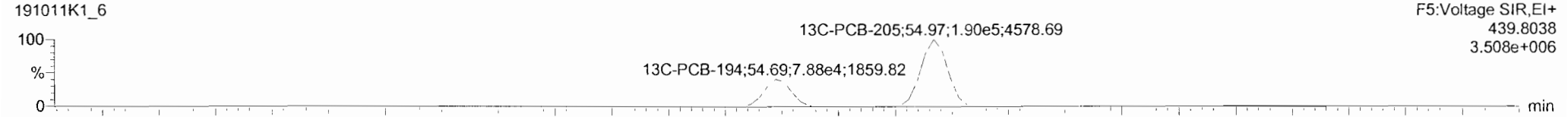
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

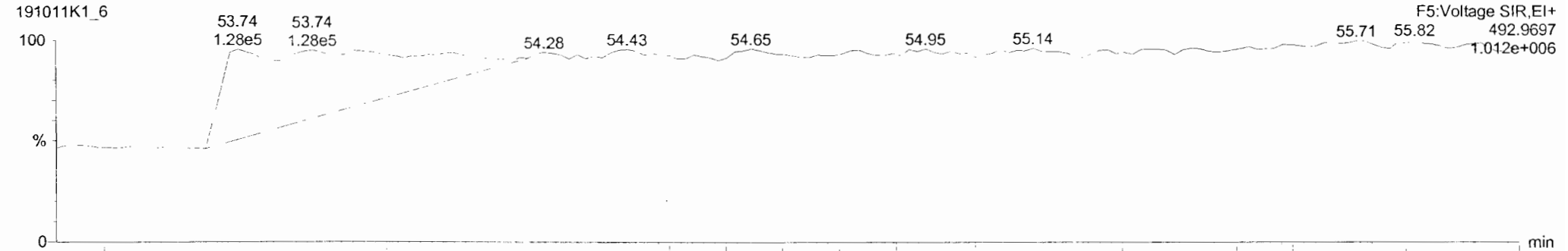
PCB-195



13C-PCB-194



PFK5



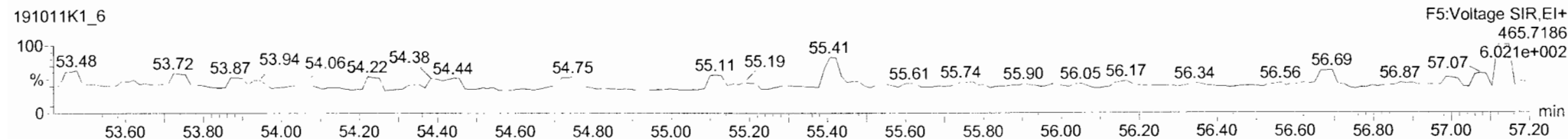
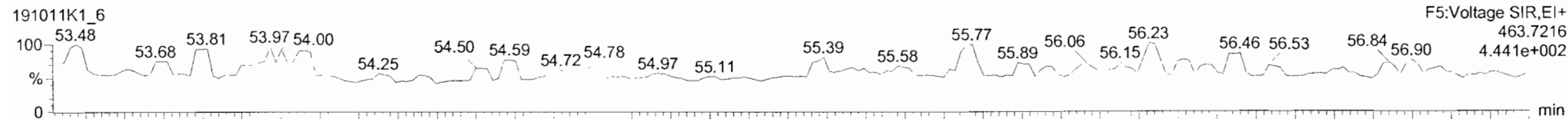
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

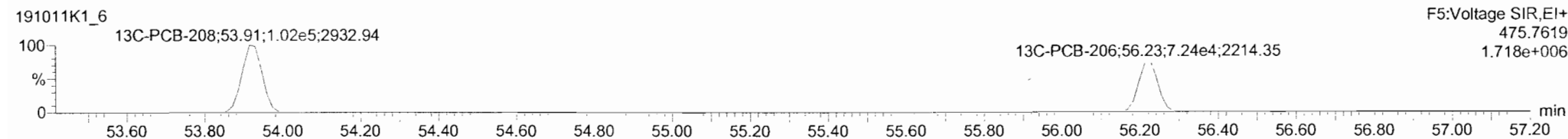
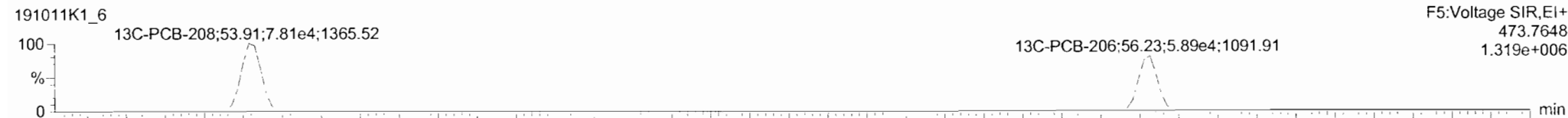
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

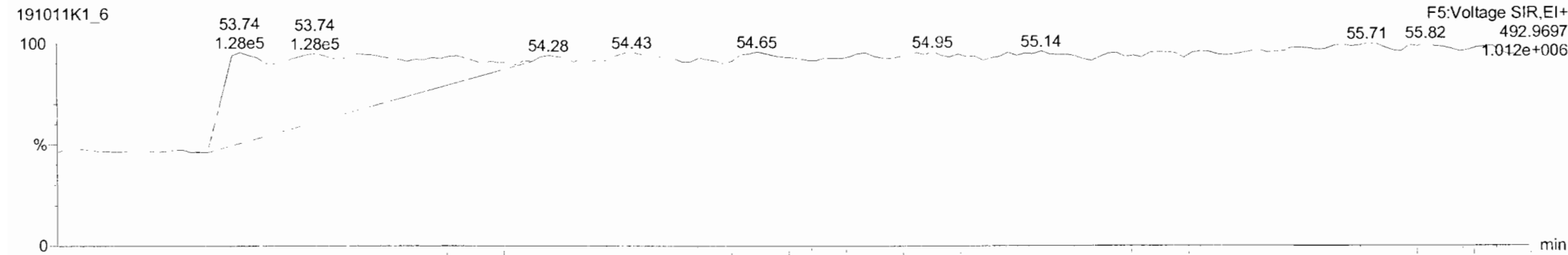
PCB-208



13C-PCB-208



PFK5

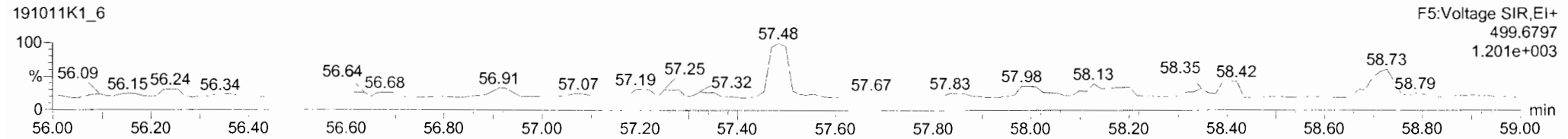
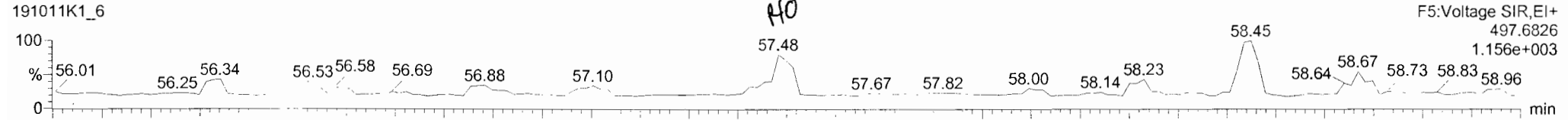


Dataset: Untitled

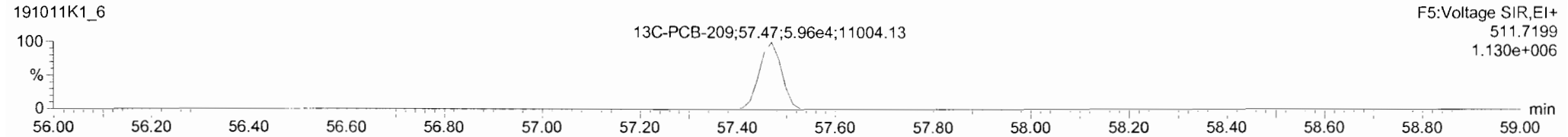
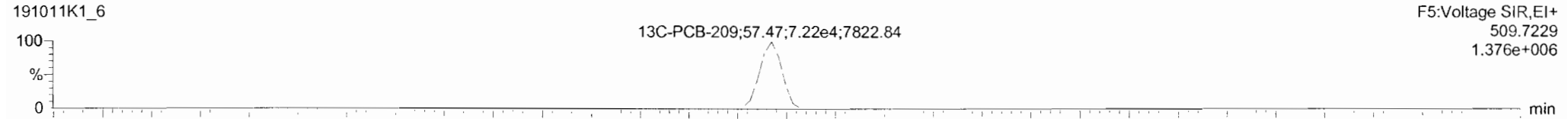
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_6, Date: 11-Oct-2019, Time: 21:56:54, ID: B9J0089-BLK1 Method Blank 1, Description: Method Blank

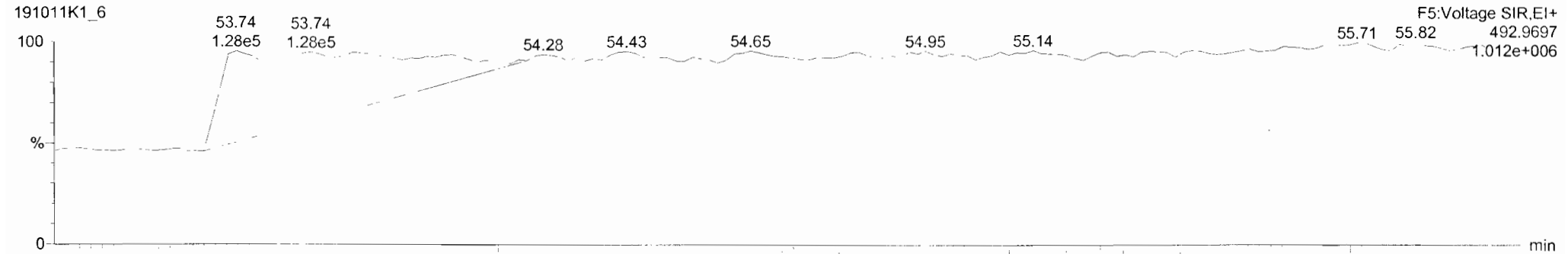
PCB-209



13C-PCB-209



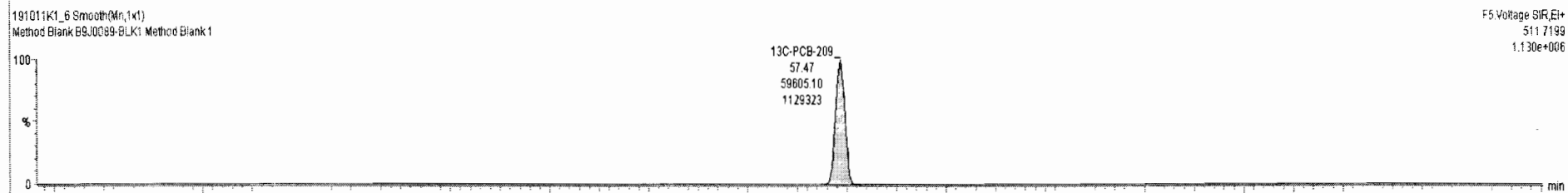
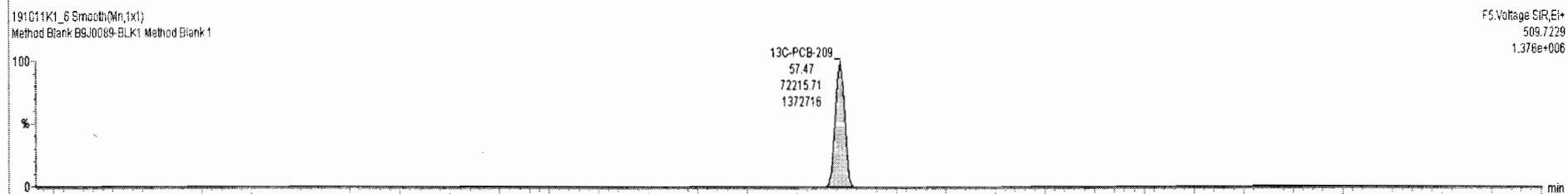
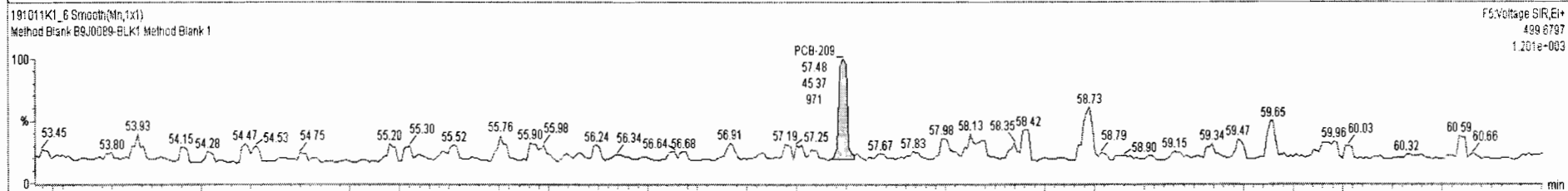
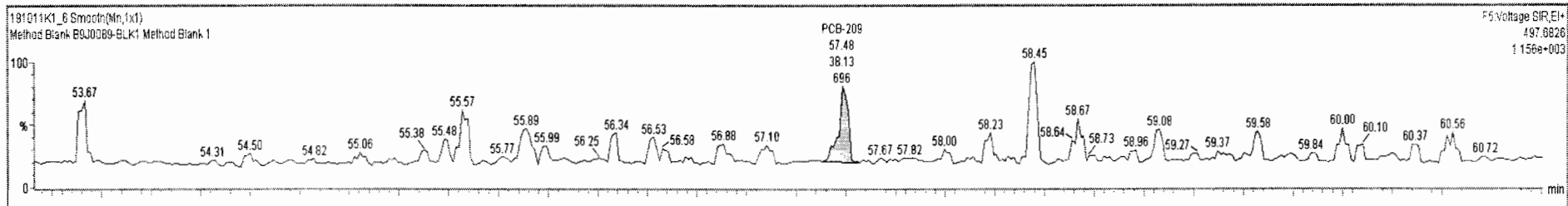
PFK5



191011K1_6 - B9J0089-BLK1 Method Blank 1 - Method Blank

| # | Name | Resp | RA | n/y | RRF | wt/Vol | Pred.RT | RT | Pred.R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|------|----|-----|--------|--------|---------|----|-----------|-----|----------|--------|------|-------|-------|
| 237 | 237 Deca-CB | | | | 0.9426 | 1.000 | 0.000 | | 0.000 | | NO | 0.0000 | | 0.209 | 1.138 |
| 238 | 238 Total PCBs | | | | | | | | | | | | | | |
| 239 | 239 Total Mono-Isotopes | | | | | | | | | | | | | | |
| 240 | 240 Total Di-Isotopes | | | | | | | | | | | | | | |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------|---------|-------|---------|---------|-----------------|------|-----|--------|---------|
| 1 | 1 PCB-209 | 57.47 | 57.48 | 3.813e1 | 4.537e1 | 1.170 | 0.84 | YES | 1.1383 | 0.00000 |



Dataset: U:\VG11.PRO\Results\191011k1\191011K1-3.qld

Last Altered: Saturday, October 12, 2019 12:21:51 Pacific Daylight Time

Printed: Saturday, October 12, 2019 12:22:22 Pacific Daylight Time

HL 10-12-19 C-10/14/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|-----------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|-------|------|
| 1 | 1 PCB-1 | 2.85e5 | 3.14 | NO | 1.02 | 1.000 | 15.52 | 15.53 | 1.001 | 1.001 | NO | 1169 | | 0.585 | 1169 |
| 2 | 2 PCB-2 | 2.89e5 | 3.16 | NO | 1.01 | 1.000 | 17.94 | 17.94 | 0.988 | 0.988 | NO | 1295 | | 0.674 | 1295 |
| 3 | 3 PCB-3 | 2.76e5 | 3.16 | NO | 1.01 | 1.000 | 18.17 | 18.17 | 1.001 | 1.001 | NO | 1238 | | 0.675 | 1238 |
| 4 | 4 PCB-4/10 | 4.56e5 | 1.57 | NO | 1.28 | 1.000 | 19.59 | 19.59 | 1.004 | 1.004 | NO | 2025 | | 5.06 | 2025 |
| 5 | 5 PCB-7/9 | 5.61e5 | 1.55 | NO | 0.976 | 1.000 | 21.39 | 21.38 | 1.003 | 1.002 | NO | 2062 | | 4.32 | 2062 |
| 6 | 6 PCB-6 | 3.04e5 | 1.58 | NO | 1.02 | 1.000 | 22.04 | 22.04 | 1.033 | 1.033 | NO | 1073 | | 4.15 | 1073 |
| 7 | 7 PCB-5/8 | 6.11e5 | 1.57 | NO | 1.01 | 1.000 | 22.45 | 22.45 | 1.052 | 1.052 | NO | 2168 | | 4.17 | 2168 |
| 8 | 8 PCB-14 | 2.97e5 | 1.58 | NO | 1.03 | 1.000 | 23.60 | 23.58 | 0.952 | 0.951 | NO | 1032 | | 4.17 | 1032 |
| 9 | 9 PCB-11 | 3.34e5 | 1.57 | NO | 1.10 | 1.000 | 24.81 | 24.81 | 1.001 | 1.001 | NO | 1093 | | 3.93 | 1093 |
| 10 | 10 PCB-12/13 | 6.05e5 | 1.58 | NO | 1.04 | 1.000 | 25.24 | 25.18 | 1.018 | 1.016 | NO | 2096 | | 4.16 | 2096 |
| 11 | 11 PCB-15 | 2.99e5 | 1.54 | NO | 1.03 | 1.000 | 25.54 | 25.53 | 1.030 | 1.030 | NO | 1046 | | 4.19 | 1046 |
| 12 | 12 PCB-19 | 1.38e5 | 0.98 | NO | 0.934 | 1.000 | 23.77 | 23.77 | 1.001 | 1.001 | NO | 1173 | | 1.71 | 1173 |
| 13 | 13 PCB-30 | 2.10e5 | 0.96 | NO | 1.48 | 1.000 | 24.66 | 24.67 | 1.039 | 1.040 | NO | 1124 | | 1.08 | 1124 |
| 14 | 14 PCB-18 | 1.44e5 | 0.97 | NO | 0.693 | 1.000 | 25.46 | 25.45 | 0.952 | 0.952 | NO | 1082 | | 1.55 | 1082 |
| 15 | 15 PCB-17 | 1.37e5 | 0.98 | NO | 0.667 | 1.000 | 25.62 | 25.62 | 0.958 | 0.958 | NO | 1067 | | 1.61 | 1067 |
| 16 | 16 PCB-24/27 | 3.98e5 | 1.02 | NO | 0.915 | 1.000 | 26.23 | 26.22 | 0.981 | 0.981 | NO | 2260 | | 1.17 | 2260 |
| 17 | 17 PCB-16/32 | 3.41e5 | 1.01 | NO | 0.792 | 1.000 | 26.76 | 26.76 | 1.001 | 1.001 | NO | 2235 | | 1.35 | 2235 |
| 18 | 18 PCB-34 | 2.30e5 | 1.03 | NO | 0.987 | 1.000 | 27.57 | 27.57 | 0.959 | 0.959 | NO | 1009 | | 1.33 | 1009 |
| 19 | 19 PCB-23 | 2.49e5 | 1.08 | NO | 0.974 | 1.000 | 27.66 | 27.67 | 0.962 | 0.962 | NO | 1107 | | 1.35 | 1107 |
| 20 | 20 PCB-29 | 2.37e5 | 1.05 | NO | 0.953 | 1.000 | 27.93 | 27.91 | 0.972 | 0.971 | NO | 1073 | | 1.38 | 1073 |
| 21 | 21 PCB-26 | 2.60e5 | 1.06 | NO | 1.00 | 1.000 | 28.14 | 28.13 | 0.979 | 0.979 | NO | 1125 | | 1.31 | 1125 |
| 22 | 22 PCB-25 | 2.59e5 | 1.07 | NO | 0.978 | 1.000 | 28.31 | 28.30 | 0.985 | 0.984 | NO | 1144 | | 1.34 | 1144 |
| 23 | 23 PCB-31 | 3.03e5 | 1.07 | NO | 1.12 | 1.000 | 28.68 | 28.67 | 0.998 | 0.997 | NO | 1168 | | 1.17 | 1168 |
| 24 | 24 PCB-28 | 2.64e5 | 1.07 | NO | 1.11 | 1.000 | 28.76 | 28.76 | 1.001 | 1.001 | NO | 1032 | | 1.19 | 1032 |
| 25 | 25 PCB-20/21/33 | 7.91e5 | 1.06 | NO | 1.00 | 1.000 | 29.39 | 29.40 | 1.022 | 1.023 | NO | 3410 | | 1.31 | 3410 |
| 26 | 26 PCB-22 | 2.70e5 | 1.05 | NO | 1.03 | 1.000 | 29.86 | 29.86 | 1.039 | 1.039 | NO | 1131 | | 1.27 | 1131 |
| 27 | 27 PCB-36 | 2.66e5 | 1.07 | NO | 1.18 | 1.000 | 30.51 | 30.50 | 0.932 | 0.931 | NO | 1023 | | 1.29 | 1023 |
| 28 | 28 PCB-39 | 2.42e5 | 1.07 | NO | 1.08 | 1.000 | 30.98 | 30.98 | 0.946 | 0.946 | NO | 1007 | | 1.40 | 1007 |
| 29 | 29 PCB-38 | 2.53e5 | 1.05 | NO | 1.13 | 1.000 | 31.79 | 31.78 | 0.971 | 0.970 | NO | 1015 | | 1.35 | 1015 |
| 30 | 30 PCB-35 | 2.55e5 | 1.08 | NO | 1.13 | 1.000 | 32.33 | 32.32 | 0.987 | 0.987 | NO | 1020 | | 1.34 | 1020 |
| 31 | 31 PCB-37 | 2.51e5 | 1.07 | NO | 1.11 | 1.000 | 32.78 | 32.77 | 1.001 | 1.001 | NO | 1024 | | 1.37 | 1024 |
| 32 | 32 PCB-54 | 1.86e5 | 0.72 | NO | 0.996 | 1.000 | 27.61 | 27.61 | 1.001 | 1.001 | NO | 1085 | | 1.13 | 1085 |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-3.qld

Last Altered: Saturday, October 12, 2019 12:21:51 Pacific Daylight Time
Printed: Saturday, October 12, 2019 12:22:22 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|--------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|------|------|
| 33 | 33 PCB-50 | 1.49e5 | 0.72 | NO | 0.781 | 1.000 | 28.81 | 28.82 | 1.044 | 1.045 | NO | 1108 | | 1.44 | 1108 |
| 34 | 34 PCB-53 | 1.40e5 | 0.73 | NO | 0.955 | 1.000 | 29.47 | 29.49 | 0.943 | 0.944 | NO | 1111 | | 1.47 | 1111 |
| 35 | 35 PCB-51 | 1.50e5 | 0.74 | NO | 1.02 | 1.000 | 29.82 | 29.83 | 0.955 | 0.955 | NO | 1105 | | 1.37 | 1105 |
| 36 | 36 PCB-45 | 1.22e5 | 0.73 | NO | 0.808 | 1.000 | 30.27 | 30.27 | 0.969 | 0.969 | NO | 1140 | | 1.74 | 1140 |
| 37 | 37 PCB-46 | 1.15e5 | 0.73 | NO | 0.754 | 1.000 | 30.77 | 30.77 | 0.985 | 0.985 | NO | 1151 | | 1.87 | 1151 |
| 38 | 38 PCB-52/69 | 3.22e5 | 0.74 | NO | 1.09 | 1.000 | 31.28 | 31.28 | 1.001 | 1.001 | NO | 2232 | | 1.29 | 2232 |
| 39 | 39 PCB-73 | 1.88e5 | 0.72 | NO | 1.29 | 1.000 | 31.40 | 31.41 | 1.005 | 1.005 | NO | 1102 | | 1.09 | 1102 |
| 40 | 40 PCB-43/49 | 2.71e5 | 0.73 | NO | 0.940 | 1.000 | 31.56 | 31.58 | 1.010 | 1.011 | NO | 2178 | | 1.50 | 2178 |
| 41 | 41 PCB-47 | 1.47e5 | 0.73 | NO | 0.869 | 1.000 | 31.78 | 31.78 | 1.001 | 1.001 | NO | 1198 | | 1.53 | 1198 |
| 42 | 42 PCB-48/75 | 3.10e5 | 0.72 | NO | 1.02 | 1.000 | 31.89 | 31.89 | 1.004 | 1.004 | NO | 2144 | | 1.30 | 2144 |
| 43 | 43 PCB-65 | 1.79e5 | 0.73 | NO | 1.11 | 1.000 | 32.16 | 32.17 | 1.013 | 1.013 | NO | 1142 | | 1.20 | 1142 |
| 44 | 44 PCB-62 | 1.58e5 | 0.74 | NO | 1.07 | 1.000 | 32.27 | 32.28 | 1.016 | 1.016 | NO | 1054 | | 1.25 | 1054 |
| 45 | 45 PCB-44 | 1.17e5 | 0.73 | NO | 0.761 | 1.000 | 32.61 | 32.60 | 1.027 | 1.026 | NO | 1092 | | 1.75 | 1092 |
| 46 | 46 PCB-42/59 | 3.02e5 | 0.73 | NO | 0.960 | 1.000 | 32.82 | 32.84 | 1.033 | 1.034 | NO | 2228 | | 1.39 | 2228 |
| 47 | 47 PCB-41/64/71/72 | 6.70e5 | 0.74 | NO | 1.08 | 1.000 | 33.44 | 33.44 | 1.053 | 1.053 | NO | 4390 | | 1.23 | 4390 |
| 48 | 48 PCB-68 | 1.76e5 | 0.73 | NO | 1.11 | 1.000 | 33.70 | 33.72 | 1.061 | 1.062 | NO | 1126 | | 1.20 | 1126 |
| 49 | 49 PCB-40 | 8.55e4 | 0.71 | NO | 0.577 | 1.000 | 33.93 | 33.92 | 1.068 | 1.068 | NO | 1051 | | 2.31 | 1051 |
| 50 | 50 PCB-57 | 1.85e5 | 0.72 | NO | 1.05 | 1.000 | 34.29 | 34.31 | 0.969 | 0.970 | NO | 1126 | | 1.15 | 1126 |
| 51 | 51 PCB-67 | 1.82e5 | 0.73 | NO | 0.993 | 1.000 | 34.62 | 34.63 | 0.978 | 0.978 | NO | 1169 | | 1.21 | 1169 |
| 52 | 52 PCB-58 | 1.86e5 | 0.72 | NO | 1.11 | 1.000 | 34.75 | 34.74 | 0.982 | 0.982 | NO | 1067 | | 1.08 | 1067 |
| 53 | 53 PCB-63 | 1.74e5 | 0.73 | NO | 0.962 | 1.000 | 34.90 | 34.91 | 0.986 | 0.986 | NO | 1151 | | 1.25 | 1151 |
| 54 | 54 PCB-74 | 1.89e5 | 0.74 | NO | 1.07 | 1.000 | 35.19 | 35.19 | 0.994 | 0.994 | NO | 1127 | | 1.13 | 1127 |
| 55 | 55 PCB-61/70 | 3.43e5 | 0.74 | NO | 0.986 | 1.000 | 35.41 | 35.41 | 1.000 | 1.001 | NO | 2216 | | 1.22 | 2216 |
| 56 | 56 PCB-76/66 | 3.75e5 | 0.73 | NO | 1.07 | 1.000 | 35.57 | 35.61 | 1.005 | 1.006 | NO | 2242 | | 1.13 | 2242 |
| 57 | 57 PCB-80 | 1.93e5 | 0.72 | NO | 1.08 | 1.000 | 35.86 | 35.85 | 1.001 | 1.001 | NO | 1101 | | 1.12 | 1101 |
| 58 | 58 PCB-55 | 1.92e5 | 0.73 | NO | 1.07 | 1.000 | 36.18 | 36.17 | 1.010 | 1.009 | NO | 1111 | | 1.13 | 1111 |
| 59 | 59 PCB-56/60 | 3.40e5 | 0.73 | NO | 0.934 | 1.000 | 36.68 | 36.67 | 1.024 | 1.023 | NO | 2252 | | 1.29 | 2252 |
| 60 | 60 PCB-79 | 1.76e5 | 0.76 | NO | 1.04 | 1.000 | 37.80 | 37.79 | 1.055 | 1.055 | NO | 1043 | | 1.16 | 1043 |
| 61 | 61 PCB-78 | 1.67e5 | 0.75 | NO | 1.03 | 1.000 | 38.50 | 38.50 | 0.987 | 0.987 | NO | 1124 | | 1.35 | 1124 |
| 62 | 62 PCB-81 | 1.53e5 | 0.72 | NO | 0.933 | 1.000 | 39.04 | 39.06 | 1.000 | 1.001 | NO | 1135 | | 1.50 | 1135 |
| 63 | 63 PCB-77 | 1.64e5 | 0.72 | NO | 1.03 | 1.000 | 39.65 | 39.67 | 1.000 | 1.001 | NO | 1126 | | 1.41 | 1126 |
| 64 | 64 PCB-104 | 1.23e5 | 1.56 | NO | 0.995 | 1.000 | 32.45 | 32.45 | 1.001 | 1.001 | NO | 1111 | | 1.31 | 1111 |
| 65 | 65 PCB-96 | 1.26e5 | 1.52 | NO | 0.996 | 1.000 | 33.74 | 33.75 | 1.041 | 1.041 | NO | 1137 | | 1.31 | 1137 |
| 66 | 66 PCB-103 | 9.38e4 | 1.45 | NO | 0.774 | 1.000 | 34.31 | 34.31 | 1.058 | 1.058 | NO | 1087 | | 1.69 | 1087 |
| 67 | 67 PCB-100 | 9.42e4 | 1.47 | NO | 0.778 | 1.000 | 34.68 | 34.68 | 1.069 | 1.069 | NO | 1087 | | 1.68 | 1087 |
| 68 | 68 PCB-94 | 7.64e4 | 1.55 | NO | 0.773 | 1.000 | 35.19 | 35.17 | 0.985 | 0.985 | NO | 1222 | | 2.38 | 1222 |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-3.qld

Last Altered: Saturday, October 12, 2019 12:21:51 Pacific Daylight Time

Printed: Saturday, October 12, 2019 12:22:22 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|-------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|------|------|
| 69 | 69 PCB-95/98/102 | 2.87e5 | 1.55 | NO | 1.01 | 1.000 | 35.66 | 35.65 | 0.999 | 0.998 | NO | 3497 | | 1.82 | 3497 |
| 70 | 70 PCB-93 | 7.56e4 | 1.65 | NO | 0.841 | 1.000 | 35.78 | 35.78 | 1.002 | 1.002 | NO | 1112 | | 2.19 | 1112 |
| 71 | 71 PCB-88/91 | 1.64e5 | 1.52 | NO | 0.890 | 1.000 | 36.13 | 36.13 | 1.012 | 1.012 | NO | 2286 | | 2.07 | 2286 |
| 72 | 72 PCB-121 | 1.32e5 | 1.58 | NO | 1.39 | 1.000 | 36.22 | 36.23 | 1.015 | 1.015 | NO | 1177 | | 1.33 | 1177 |
| 73 | 73 PCB-84/92 | 1.53e5 | 1.54 | NO | 0.879 | 1.000 | 37.07 | 37.06 | 0.990 | 0.990 | NO | 2279 | | 2.24 | 2279 |
| 74 | 74 PCB-89 | 8.25e4 | 1.57 | NO | 0.959 | 1.000 | 37.28 | 37.27 | 0.996 | 0.996 | NO | 1123 | | 2.05 | 1123 |
| 75 | 75 PCB-90/101 | 1.63e5 | 1.55 | NO | 0.944 | 1.000 | 37.46 | 37.46 | 1.000 | 1.001 | NO | 2256 | | 2.09 | 2256 |
| 76 | 76 PCB-113 | 1.10e5 | 1.54 | NO | 1.23 | 1.000 | 37.70 | 37.72 | 1.007 | 1.007 | NO | 1172 | | 1.60 | 1172 |
| 77 | 77 PCB-99 | 9.49e4 | 1.54 | NO | 1.12 | 1.000 | 37.80 | 37.81 | 1.010 | 1.010 | NO | 1108 | | 1.76 | 1108 |
| 78 | 78 PCB-119 | 1.13e5 | 1.54 | NO | 1.47 | 1.000 | 38.27 | 38.27 | 0.987 | 0.987 | NO | 1162 | | 1.57 | 1162 |
| 79 | 79 PCB-108/112 | 1.86e5 | 1.53 | NO | 1.25 | 1.000 | 38.43 | 38.44 | 0.991 | 0.991 | NO | 2250 | | 1.85 | 2250 |
| 80 | 80 PCB-83 | 1.17e5 | 1.56 | NO | 1.55 | 1.000 | 38.60 | 38.61 | 0.996 | 0.996 | NO | 1141 | | 1.50 | 1141 |
| 81 | 81 PCB-97 | 8.21e4 | 1.53 | NO | 1.07 | 1.000 | 38.82 | 38.81 | 1.001 | 1.001 | NO | 1157 | | 2.15 | 1157 |
| 82 | 82 PCB-86 | 7.08e4 | 1.53 | NO | 0.996 | 1.000 | 38.96 | 38.96 | 1.005 | 1.005 | NO | 1077 | | 2.33 | 1077 |
| 83 | 83 PCB-87/117/125 | 2.98e5 | 1.54 | NO | 1.33 | 1.000 | 39.07 | 39.09 | 1.008 | 1.008 | NO | 3382 | | 1.74 | 3382 |
| 84 | 84 PCB-111/115 | 2.39e5 | 1.52 | NO | 1.60 | 1.000 | 39.24 | 39.26 | 1.012 | 1.012 | NO | 2258 | | 1.45 | 2258 |
| 85 | 85 PCB-85/116 | 1.82e5 | 1.53 | NO | 1.22 | 1.000 | 39.36 | 39.37 | 1.015 | 1.015 | NO | 2262 | | 1.90 | 2262 |
| 86 | 86 PCB-120 | 1.22e5 | 1.56 | NO | 1.68 | 1.000 | 39.63 | 39.63 | 1.022 | 1.022 | NO | 1103 | | 1.38 | 1103 |
| 87 | 87 PCB-110 | 1.13e5 | 1.55 | NO | 1.49 | 1.000 | 39.77 | 39.78 | 1.026 | 1.026 | NO | 1152 | | 1.56 | 1152 |
| 88 | 88 PCB-82 | 6.45e4 | 1.52 | NO | 0.674 | 1.000 | 40.41 | 40.41 | 0.975 | 0.975 | NO | 1145 | | 2.69 | 1145 |
| 89 | 89 PCB-124 | 1.11e5 | 1.55 | NO | 1.16 | 1.000 | 41.15 | 41.14 | 0.993 | 0.993 | NO | 1144 | | 1.56 | 1144 |
| 90 | 90 PCB-107/109 | 2.20e5 | 1.51 | NO | 1.17 | 1.000 | 41.29 | 41.27 | 0.996 | 0.996 | NO | 2260 | | 1.56 | 2260 |
| 91 | 91 PCB-123 | 9.86e4 | 1.48 | NO | 1.04 | 1.000 | 41.46 | 41.46 | 1.000 | 1.000 | NO | 1133 | | 1.75 | 1133 |
| 92 | 92 PCB-106/118 | 2.08e5 | 1.53 | NO | 1.07 | 1.000 | 41.66 | 41.66 | 1.001 | 1.001 | NO | 2253 | | 1.60 | 2253 |
| 93 | 93 PCB-114 | 1.65e5 | 1.63 | NO | 1.16 | 1.000 | 42.32 | 42.32 | 1.000 | 1.000 | NO | 1055 | | 1.73 | 1055 |
| 94 | 94 PCB-122 | 1.47e5 | 1.51 | NO | 0.973 | 1.000 | 42.45 | 42.45 | 1.003 | 1.004 | NO | 1117 | | 2.06 | 1117 |
| 95 | 95 PCB-105 | 1.61e5 | 1.57 | NO | 1.10 | 1.000 | 43.21 | 43.21 | 1.000 | 1.000 | NO | 1041 | | 1.79 | 1041 |
| 96 | 96 PCB-127 | 1.67e5 | 1.58 | NO | 1.11 | 1.000 | 43.55 | 43.55 | 1.000 | 1.000 | NO | 1049 | | 1.74 | 1049 |
| 97 | 97 PCB-126 | 1.64e5 | 1.58 | NO | 1.21 | 1.000 | 45.52 | 45.52 | 1.000 | 1.000 | NO | 1075 | | 1.93 | 1075 |
| 98 | 98 PCB-155 | 5.75e4 | 1.32 | NO | 0.874 | 1.000 | 36.99 | 36.99 | 1.000 | 1.000 | NO | 1180 | | 1.39 | 1180 |
| 99 | 99 PCB-150 | 5.77e4 | 1.32 | NO | 0.881 | 1.000 | 38.29 | 38.29 | 1.036 | 1.036 | NO | 1175 | | 1.38 | 1175 |
| 100 | 1... PCB-152 | 6.52e4 | 1.29 | NO | 1.00 | 1.000 | 38.78 | 38.78 | 1.049 | 1.049 | NO | 1165 | | 1.21 | 1165 |
| 101 | 1... PCB-145 | 6.51e4 | 1.26 | NO | 1.00 | 1.000 | 39.22 | 39.24 | 1.061 | 1.061 | NO | 1167 | | 1.21 | 1167 |
| 102 | 1... PCB-136 | 5.52e4 | 1.28 | NO | 0.843 | 1.000 | 39.58 | 39.58 | 1.071 | 1.070 | NO | 1174 | | 1.44 | 1174 |
| 103 | 1... PCB-148 | 4.19e4 | 1.25 | NO | 0.693 | 1.000 | 39.69 | 39.69 | 1.073 | 1.073 | NO | 1083 | | 1.75 | 1083 |
| 104 | 1... PCB-154 | 4.65e4 | 1.30 | NO | 0.724 | 1.000 | 40.18 | 40.21 | 1.087 | 1.088 | NO | 1151 | | 1.68 | 1151 |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-3.qld

Last Altered: Saturday, October 12, 2019 12:21:51 Pacific Daylight Time

Printed: Saturday, October 12, 2019 12:22:22 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check_RRT | Conc. | %Rec | DL | EMPC |
|-----|----------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|------|------|
| 105 | 1... PCB-151 | 3.85e4 | 1.26 | NO | 0.632 | 1.000 | 40.85 | 40.86 | 1.105 | 1.105 | NO | 1092 | | 1.92 | 1092 |
| 106 | 1... PCB-135 | 4.57e4 | 1.31 | NO | 0.716 | 1.000 | 41.08 | 41.08 | 1.111 | 1.111 | NO | 1146 | | 1.70 | 1146 |
| 107 | 1... PCB-144 | 3.94e4 | 1.29 | NO | 0.667 | 1.000 | 41.18 | 41.20 | 1.114 | 1.114 | NO | 1059 | | 1.82 | 1059 |
| 108 | 1... PCB-147 | 4.09e4 | 1.35 | NO | 0.661 | 1.000 | 41.31 | 41.33 | 1.117 | 1.118 | NO | 1111 | | 1.84 | 1111 |
| 109 | 1... PCB-139/149 | 9.05e4 | 1.27 | NO | 0.738 | 1.000 | 41.59 | 41.60 | 1.125 | 1.125 | NO | 2199 | | 1.64 | 2199 |
| 110 | 1... PCB-140 | 3.76e4 | 1.25 | NO | 0.627 | 1.000 | 41.78 | 41.79 | 1.130 | 1.130 | NO | 1074 | | 1.94 | 1074 |
| 111 | 1... PCB-134/143 | 1.70e5 | 1.22 | NO | 0.733 | 1.000 | 42.27 | 42.24 | 0.975 | 0.974 | NO | 2234 | | 1.76 | 2234 |
| 112 | 1... PCB-131/133 | 1.83e5 | 1.23 | NO | 0.790 | 1.000 | 42.56 | 42.55 | 0.982 | 0.981 | NO | 2231 | | 1.64 | 2231 |
| 113 | 1... PCB-142 | 8.14e4 | 1.20 | NO | 0.708 | 1.000 | 42.71 | 42.72 | 0.985 | 0.985 | NO | 1106 | | 1.83 | 1106 |
| 114 | 1... PCB-146/165 | 2.21e5 | 1.22 | NO | 0.959 | 1.000 | 42.96 | 42.94 | 0.991 | 0.990 | NO | 2213 | | 1.35 | 2213 |
| 115 | 1... PCB-132/161 | 2.19e5 | 1.21 | NO | 0.974 | 1.000 | 43.20 | 43.19 | 0.996 | 0.996 | NO | 2164 | | 1.33 | 2164 |
| 116 | 1... PCB-153 | 1.12e5 | 1.21 | NO | 1.01 | 1.000 | 43.38 | 43.38 | 1.000 | 1.000 | NO | 1063 | | 1.28 | 1063 |
| 117 | 1... PCB-168 | 1.14e5 | 1.21 | NO | 1.02 | 1.000 | 43.61 | 43.61 | 1.006 | 1.006 | NO | 1076 | | 1.27 | 1076 |
| 118 | 1... PCB-141 | 8.77e4 | 1.20 | NO | 0.967 | 1.000 | 44.14 | 44.14 | 1.000 | 1.000 | NO | 1092 | | 1.65 | 1092 |
| 119 | 1... PCB-137 | 9.49e4 | 1.20 | NO | 0.987 | 1.000 | 44.52 | 44.53 | 1.009 | 1.009 | NO | 1157 | | 1.61 | 1157 |
| 120 | 1... PCB-130 | 7.27e4 | 1.22 | NO | 0.840 | 1.000 | 44.63 | 44.63 | 1.012 | 1.012 | NO | 1042 | | 1.89 | 1042 |
| 121 | 1... PCB-138/163/164 | 3.49e5 | 1.20 | NO | 1.23 | 1.000 | 45.03 | 45.03 | 1.001 | 1.001 | NO | 3299 | | 1.28 | 3299 |
| 122 | 1... PCB-158/160 | 2.21e5 | 1.19 | NO | 1.18 | 1.000 | 45.27 | 45.28 | 1.006 | 1.006 | NO | 2176 | | 1.33 | 2176 |
| 123 | 1... PCB-129 | 7.19e4 | 1.16 | NO | 0.819 | 1.000 | 45.52 | 45.52 | 1.012 | 1.012 | NO | 1019 | | 1.92 | 1019 |
| 124 | 1... PCB-166 | 1.18e5 | 1.21 | NO | 1.07 | 1.000 | 46.00 | 45.99 | 0.993 | 0.993 | NO | 1062 | | 1.25 | 1062 |
| 125 | 1... PCB-159 | 1.25e5 | 1.20 | NO | 1.12 | 1.000 | 46.34 | 46.34 | 1.000 | 1.000 | NO | 1073 | | 1.20 | 1073 |
| 126 | 1... PCB-128/162 | 1.94e5 | 1.22 | NO | 0.851 | 1.000 | 46.62 | 46.62 | 1.007 | 1.007 | NO | 2195 | | 1.58 | 2195 |
| 127 | 1... PCB-167 | 1.14e5 | 1.23 | NO | 1.04 | 1.000 | 47.04 | 47.04 | 1.000 | 1.000 | NO | 1087 | | 1.29 | 1087 |
| 128 | 1... PCB-156 | 1.16e5 | 1.21 | NO | 1.06 | 1.000 | 48.36 | 48.36 | 1.000 | 1.000 | NO | 1093 | | 1.27 | 1093 |
| 129 | 1... PCB-157 | 1.05e5 | 1.25 | NO | 0.978 | 1.000 | 48.65 | 48.63 | 1.001 | 1.000 | NO | 1065 | | 1.39 | 1065 |
| 130 | 1... PCB-169 | 1.13e5 | 1.21 | NO | 1.11 | 1.000 | 50.90 | 50.90 | 1.000 | 1.000 | NO | 1062 | | 1.33 | 1062 |
| 131 | 1... PCB-188 | 9.97e4 | 1.04 | NO | 1.19 | 1.000 | 43.00 | 42.98 | 1.001 | 1.000 | NO | 1105 | | 1.51 | 1105 |
| 132 | 1... PCB-184 | 9.37e4 | 1.01 | NO | 1.17 | 1.000 | 43.44 | 43.46 | 1.011 | 1.011 | NO | 1061 | | 1.54 | 1061 |
| 133 | 1... PCB-179 | 9.62e4 | 1.04 | NO | 1.18 | 1.000 | 44.25 | 44.25 | 1.030 | 1.030 | NO | 1081 | | 1.53 | 1081 |
| 134 | 1... PCB-176 | 9.70e4 | 1.06 | NO | 1.16 | 1.000 | 44.72 | 44.72 | 1.041 | 1.041 | NO | 1105 | | 1.55 | 1105 |
| 135 | 1... PCB-186 | 1.03e5 | 1.06 | NO | 1.22 | 1.000 | 45.33 | 45.37 | 1.055 | 1.056 | NO | 1116 | | 1.48 | 1116 |
| 136 | 1... PCB-178 | 6.66e4 | 1.05 | NO | 0.830 | 1.000 | 45.84 | 45.88 | 1.067 | 1.068 | NO | 1060 | | 2.16 | 1060 |
| 137 | 1... PCB-175 | 6.80e4 | 1.05 | NO | 0.849 | 1.000 | 46.20 | 46.24 | 1.075 | 1.076 | NO | 1059 | | 2.12 | 1059 |
| 138 | 1... PCB-182/187 | 1.52e5 | 1.05 | NO | 0.960 | 1.000 | 46.40 | 46.41 | 1.080 | 1.080 | NO | 2099 | | 1.87 | 2099 |
| 139 | 1... PCB-183 | 7.36e4 | 1.02 | NO | 0.957 | 1.000 | 46.73 | 46.73 | 1.088 | 1.088 | NO | 1017 | | 1.88 | 1017 |
| 140 | 1... PCB-185 | 6.51e4 | 1.06 | NO | 1.32 | 1.000 | 47.43 | 47.42 | 0.955 | 0.955 | NO | 1054 | | 2.23 | 1054 |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-3.qld

Last Altered: Saturday, October 12, 2019 12:21:51 Pacific Daylight Time
Printed: Saturday, October 12, 2019 12:22:22 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|-------|-------|
| 141 | 1... PCB-174 | 5.84e4 | 1.10 | NO | 1.22 | 1.000 | 47.80 | 47.79 | 0.962 | 0.962 | NO | 1024 | | 2.41 | 1024 |
| 142 | 1... PCB-181 | 7.56e4 | 1.02 | NO | 1.41 | 1.000 | 47.90 | 47.89 | 0.964 | 0.964 | NO | 1142 | | 2.08 | 1142 |
| 143 | 1... PCB-177 | 6.07e4 | 1.04 | NO | 1.24 | 1.000 | 48.08 | 48.06 | 0.968 | 0.968 | NO | 1045 | | 2.37 | 1045 |
| 144 | 1... PCB-171 | 6.17e4 | 1.04 | NO | 1.24 | 1.000 | 48.37 | 48.36 | 0.974 | 0.974 | NO | 1062 | | 2.36 | 1062 |
| 145 | 1... PCB-173 | 5.74e4 | 1.05 | NO | 1.14 | 1.000 | 48.81 | 48.80 | 0.983 | 0.982 | NO | 1075 | | 2.57 | 1075 |
| 146 | 1... PCB-172 | 6.74e4 | 1.05 | NO | 1.31 | 1.000 | 49.29 | 49.27 | 0.992 | 0.992 | NO | 1102 | | 2.25 | 1102 |
| 147 | 1... PCB-192 | 8.54e4 | 1.05 | NO | 1.70 | 1.000 | 49.48 | 49.48 | 0.996 | 0.996 | NO | 1073 | | 1.73 | 1073 |
| 148 | 1... PCB-180 | 6.74e4 | 1.02 | NO | 1.32 | 1.000 | 49.69 | 49.69 | 1.000 | 1.000 | NO | 1091 | | 2.22 | 1091 |
| 149 | 1... PCB-193 | 7.90e4 | 1.09 | NO | 1.54 | 1.000 | 49.92 | 49.90 | 1.005 | 1.005 | NO | 1096 | | 1.91 | 1096 |
| 150 | 1... PCB-191 | 8.17e4 | 1.04 | NO | 1.57 | 1.000 | 50.16 | 50.16 | 1.010 | 1.010 | NO | 1110 | | 1.87 | 1110 |
| 151 | 1... PCB-170 | 5.66e4 | 0.99 | NO | 1.36 | 1.000 | 51.36 | 51.36 | 1.000 | 1.000 | NO | 1043 | | 2.57 | 1043 |
| 152 | 1... PCB-190 | 7.89e4 | 1.02 | NO | 1.84 | 1.000 | 51.54 | 51.56 | 1.004 | 1.004 | NO | 1074 | | 1.90 | 1074 |
| 153 | 1... PCB-189 | 8.18e4 | 1.03 | NO | 1.33 | 1.000 | 53.10 | 53.10 | 1.000 | 1.000 | NO | 1132 | | 1.74 | 1132 |
| 154 | 1... PCB-202 | 5.52e4 | 0.89 | NO | 1.02 | 1.000 | 48.59 | 48.57 | 1.001 | 1.000 | NO | 1176 | | 1.46 | 1176 |
| 155 | 1... PCB-201 | 4.97e4 | 0.88 | NO | 0.915 | 1.000 | 49.08 | 49.08 | 1.011 | 1.011 | NO | 1184 | | 1.63 | 1184 |
| 156 | 1... PCB-204 | 5.23e4 | 0.91 | NO | 0.979 | 1.000 | 49.22 | 49.23 | 1.014 | 1.014 | NO | 1165 | | 1.52 | 1165 |
| 157 | 1... PCB-197 | 5.23e4 | 0.87 | NO | 0.979 | 1.000 | 49.54 | 49.56 | 1.020 | 1.021 | NO | 1165 | | 1.52 | 1165 |
| 158 | 1... PCB-200 | 5.19e4 | 0.88 | NO | 0.954 | 1.000 | 50.49 | 50.48 | 1.040 | 1.040 | NO | 1185 | | 1.56 | 1185 |
| 159 | 1... PCB-198 | 3.77e4 | 0.97 | NO | 0.748 | 1.000 | 52.04 | 52.06 | 1.072 | 1.072 | NO | 1098 | | 1.99 | 1098 |
| 160 | 1... PCB-199 | 3.63e4 | 0.88 | NO | 0.706 | 1.000 | 52.16 | 52.19 | 1.074 | 1.075 | NO | 1121 | | 2.11 | 1121 |
| 161 | 1... PCB-196/203 | 7.95e4 | 0.88 | NO | 0.785 | 1.000 | 52.48 | 52.49 | 1.081 | 1.081 | NO | 2210 | | 1.90 | 2210 |
| 162 | 1... PCB-195 | 8.06e4 | 0.90 | NO | 1.03 | 1.000 | 53.80 | 53.80 | 0.984 | 0.983 | NO | 917.7 | | 1.03 | 917.7 |
| 163 | 1... PCB-194 | 9.84e4 | 0.91 | NO | 1.16 | 1.000 | 54.72 | 54.72 | 1.000 | 1.000 | NO | 1001 | | 0.921 | 1001 |
| 164 | 1... PCB-205 | 1.26e5 | 0.94 | NO | 1.40 | 1.000 | 54.98 | 55.00 | 1.005 | 1.005 | NO | 1063 | | 0.760 | 1063 |
| 165 | 1... PCB-208 | 8.71e4 | 1.29 | NO | 0.934 | 1.000 | 53.96 | 53.96 | 1.000 | 1.000 | NO | 1031 | | 0.937 | 1031 |
| 166 | 1... PCB-207 | 8.60e4 | 1.31 | NO | 0.912 | 1.000 | 54.28 | 54.28 | 1.006 | 1.006 | NO | 1042 | | 0.960 | 1042 |
| 167 | 1... PCB-206 | 6.81e4 | 1.28 | NO | 0.987 | 1.000 | 56.26 | 56.26 | 1.000 | 1.000 | NO | 1030 | | 1.14 | 1030 |
| 168 | 1... PCB-209 | 6.38e4 | 1.17 | NO | 0.943 | 1.000 | 57.48 | 57.50 | 1.000 | 1.000 | NO | 1086 | | 0.649 | 1086 |
| 169 | 1... 13C-PCB-1 | 4.77e5 | 3.39 | NO | 1.08 | 1.000 | 15.52 | 15.51 | 0.608 | 0.608 | NO | 683.6 | 34.2 | 1.64 | |
| 170 | 1... 13C-PCB-3 | 4.43e5 | 3.37 | NO | 1.09 | 1.000 | 18.17 | 18.16 | 0.712 | 0.712 | NO | 626.7 | 31.3 | 1.62 | |
| 171 | 1... 13C-PCB-4 | 3.53e5 | 1.63 | NO | 0.640 | 1.000 | 19.52 | 19.51 | 0.765 | 0.765 | NO | 852.7 | 42.6 | 0.827 | |
| 172 | 1... 13C-PCB-9 | 5.58e5 | 1.59 | NO | 0.995 | 1.000 | 21.35 | 21.33 | 0.837 | 0.836 | NO | 864.7 | 43.2 | 0.532 | |
| 173 | 1... 13C-PCB-11 | 5.57e5 | 1.59 | NO | 0.971 | 1.000 | 24.80 | 24.79 | 0.972 | 0.972 | NO | 884.7 | 44.2 | 0.545 | |
| 174 | 1... 13C-PCB-19 | 2.52e5 | 1.01 | NO | 0.637 | 1.000 | 23.75 | 23.74 | 0.931 | 0.930 | NO | 611.3 | 30.6 | 8.25 | |
| 175 | 1... 13C-PCB-32 | 3.85e5 | 1.01 | NO | 0.910 | 1.000 | 26.75 | 26.74 | 1.048 | 1.048 | NO | 652.5 | 32.6 | 5.78 | |
| 176 | 1... 13C-PCB-28 | 4.63e5 | 1.00 | NO | 1.07 | 1.000 | 28.76 | 28.75 | 1.004 | 1.003 | NO | 792.2 | 39.6 | 8.90 | |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-3.qld

Last Altered: Saturday, October 12, 2019 12:21:51 Pacific Daylight Time
Printed: Saturday, October 12, 2019 12:22:22 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

| # | Name | Resp | RA | n/y | RRE | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|-------|------|
| 177 | 1... 13C-PCB-37 | 4.42e5 | 0.96 | NO | 0.959 | 1.000 | 32.74 | 32.75 | 1.143 | 1.143 | NO | 844.2 | 42.2 | 9.92 | |
| 178 | 1... 13C-PCB-54 | 3.44e5 | 0.75 | NO | 1.10 | 1.000 | 27.60 | 27.59 | 0.753 | 0.752 | NO | 910.4 | 45.5 | 2.77 | |
| 179 | 1... 13C-PCB-52 | 2.65e5 | 0.82 | NO | 0.844 | 1.000 | 31.26 | 31.24 | 0.853 | 0.852 | NO | 910.9 | 45.5 | 3.60 | |
| 180 | 1... 13C-PCB-47 | 2.82e5 | 0.79 | NO | 0.893 | 1.000 | 31.78 | 31.76 | 0.867 | 0.866 | NO | 918.4 | 45.9 | 3.40 | |
| 181 | 1... 13C-PCB-70 | 3.14e5 | 0.77 | NO | 1.01 | 1.000 | 35.41 | 35.39 | 0.965 | 0.965 | NO | 905.6 | 45.3 | 3.01 | |
| 182 | 1... 13C-PCB-80 | 3.23e5 | 0.80 | NO | 1.05 | 1.000 | 35.84 | 35.84 | 0.977 | 0.977 | NO | 896.8 | 44.8 | 2.90 | |
| 183 | 1... 13C-PCB-81 | 2.88e5 | 0.75 | NO | 0.985 | 1.000 | 39.04 | 39.02 | 1.064 | 1.064 | NO | 851.2 | 42.6 | 3.08 | |
| 184 | 1... 13C-PCB-77 | 2.81e5 | 0.76 | NO | 0.958 | 1.000 | 39.65 | 39.63 | 1.081 | 1.081 | NO | 853.4 | 42.7 | 3.17 | |
| 185 | 1... 13C-PCB-104 | 2.23e5 | 1.64 | NO | 1.10 | 1.000 | 32.45 | 32.43 | 0.827 | 0.826 | NO | 981.3 | 49.1 | 0.802 | |
| 186 | 1... 13C-PCB-95 | 1.62e5 | 1.58 | NO | 0.852 | 1.000 | 35.70 | 35.71 | 0.910 | 0.910 | NO | 916.6 | 45.8 | 1.03 | |
| 187 | 1... 13C-PCB-101 | 1.53e5 | 1.61 | NO | 0.814 | 1.000 | 37.44 | 37.44 | 0.954 | 0.954 | NO | 908.4 | 45.4 | 1.08 | |
| 188 | 1... 13C-PCB-97 | 1.32e5 | 1.63 | NO | 0.709 | 1.000 | 38.79 | 38.78 | 0.989 | 0.988 | NO | 899.2 | 45.0 | 1.24 | |
| 189 | 1... 13C-PCB-123 | 1.67e5 | 1.74 | NO | 0.922 | 1.000 | 41.44 | 41.44 | 1.056 | 1.056 | NO | 875.8 | 43.8 | 0.955 | |
| 190 | 1... 13C-PCB-118 | 1.72e5 | 1.67 | NO | 0.975 | 1.000 | 41.62 | 41.62 | 1.061 | 1.061 | NO | 853.1 | 42.7 | 0.903 | |
| 191 | 1... 13C-PCB-114 | 2.70e5 | 1.54 | NO | 1.52 | 1.000 | 42.29 | 42.30 | 0.908 | 0.908 | NO | 1130 | 56.5 | 1.24 | |
| 192 | 1... 13C-PCB-105 | 2.80e5 | 1.56 | NO | 1.58 | 1.000 | 43.18 | 43.19 | 0.927 | 0.927 | NO | 1125 | 56.3 | 1.19 | |
| 193 | 1... 13C-PCB-127 | 2.87e5 | 1.54 | NO | 1.62 | 1.000 | 43.52 | 43.53 | 0.934 | 0.935 | NO | 1127 | 56.3 | 1.16 | |
| 194 | 1... 13C-PCB-126 | 2.52e5 | 1.56 | NO | 1.45 | 1.000 | 45.49 | 45.50 | 0.976 | 0.977 | NO | 1108 | 55.4 | 1.30 | |
| 195 | 1... 13C-PCB-155 | 1.11e5 | 1.32 | NO | 1.03 | 1.000 | 36.99 | 36.97 | 0.943 | 0.942 | NO | 524.9 | 26.2 | 0.397 | |
| 196 | 1... 13C-PCB-153 | 2.08e5 | 1.29 | NO | 1.42 | 1.000 | 43.35 | 43.36 | 0.931 | 0.931 | NO | 929.1 | 46.5 | 1.43 | |
| 197 | 1... 13C-PCB-141 | 1.66e5 | 1.29 | NO | 1.14 | 1.000 | 44.10 | 44.12 | 0.947 | 0.947 | NO | 924.4 | 46.2 | 1.78 | |
| 198 | 1... 13C-PCB-138 | 1.72e5 | 1.29 | NO | 1.18 | 1.000 | 44.98 | 44.99 | 0.966 | 0.966 | NO | 928.1 | 46.4 | 1.72 | |
| 199 | 1... 13C-PCB-159 | 2.07e5 | 1.27 | NO | 1.43 | 1.000 | 46.29 | 46.32 | 0.994 | 0.994 | NO | 920.0 | 46.0 | 1.42 | |
| 200 | 2... 13C-PCB-167 | 2.01e5 | 1.29 | NO | 1.42 | 1.000 | 47.01 | 47.02 | 1.009 | 1.009 | NO | 895.0 | 44.8 | 1.43 | |
| 201 | 2... 13C-PCB-156 | 2.00e5 | 1.28 | NO | 1.40 | 1.000 | 48.31 | 48.34 | 1.037 | 1.038 | NO | 911.2 | 45.6 | 1.45 | |
| 202 | 2... 13C-PCB-157 | 2.02e5 | 1.32 | NO | 1.41 | 1.000 | 48.61 | 48.61 | 1.044 | 1.044 | NO | 912.5 | 45.6 | 1.44 | |
| 203 | 2... 13C-PCB-169 | 1.92e5 | 1.32 | NO | 1.35 | 1.000 | 50.88 | 50.88 | 1.092 | 1.092 | NO | 907.2 | 45.4 | 1.51 | |
| 204 | 2... 13C-PCB-188 | 1.51e5 | 0.45 | NO | 1.46 | 1.000 | 43.00 | 42.96 | 0.927 | 0.926 | NO | 953.5 | 47.7 | 1.46 | |
| 205 | 2... 13C-PCB-180 | 9.36e4 | 0.44 | NO | 0.932 | 1.000 | 49.67 | 49.67 | 1.070 | 1.070 | NO | 925.6 | 46.3 | 2.29 | |
| 206 | 2... 13C-PCB-170 | 7.97e4 | 0.47 | NO | 0.796 | 1.000 | 51.34 | 51.34 | 1.106 | 1.106 | NO | 923.7 | 46.2 | 2.69 | |
| 207 | 2... 13C-PCB-189 | 1.08e5 | 0.46 | NO | 1.09 | 1.000 | 53.05 | 53.08 | 1.143 | 1.144 | NO | 916.5 | 45.8 | 1.96 | |
| 208 | 2... 13C-PCB-202 | 9.17e4 | 0.93 | NO | 1.45 | 1.000 | 48.54 | 48.55 | 1.042 | 1.042 | NO | 582.7 | 29.1 | 0.730 | |
| 209 | 2... 13C-PCB-194 | 1.70e5 | 0.88 | NO | 0.714 | 1.000 | 54.71 | 54.70 | 0.995 | 0.995 | NO | 942.2 | 47.1 | 0.754 | |
| 210 | 2... 13C-PCB-208 | 1.81e5 | 0.76 | NO | 0.896 | 1.000 | 53.96 | 53.94 | 0.982 | 0.981 | NO | 799.0 | 40.0 | 0.769 | |
| 211 | 2... 13C-PCB-206 | 1.34e5 | 0.78 | NO | 0.653 | 1.000 | 56.22 | 56.24 | 1.023 | 1.023 | NO | 812.1 | 40.6 | 1.06 | |
| 212 | 2... 13C-PCB-209 | 1.25e5 | 1.20 | NO | 0.806 | 1.000 | 57.48 | 57.48 | 1.045 | 1.046 | NO | 612.6 | 30.6 | 0.230 | |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-3.qld

Last Altered: Saturday, October 12, 2019 12:21:51 Pacific Daylight Time
Printed: Saturday, October 12, 2019 12:22:22 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

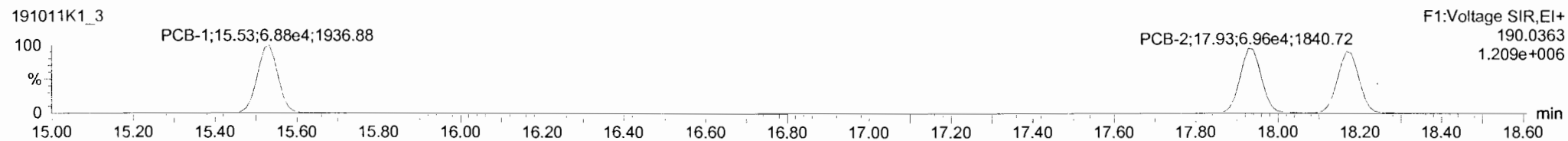
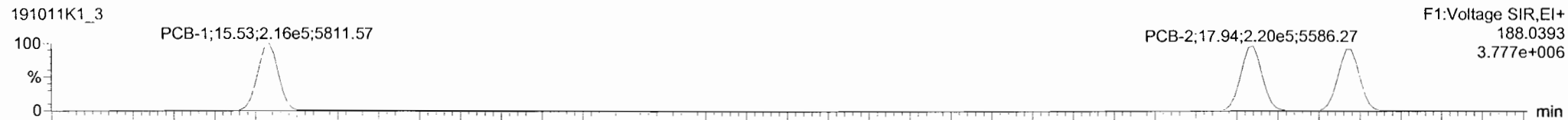
| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|-------|------|
| 213 | 2... 13C-PCB-15 | 1.30e6 | 1.59 | NO | 1.00 | 1.000 | 25.49 | 25.51 | 1.000 | 0.000 | NO | 2000 | 100 | 0.529 | |
| 214 | 2... 13C-PCB-31 | 1.09e6 | 0.99 | NO | 1.00 | 1.000 | 28.64 | 28.65 | 1.000 | 0.000 | NO | 2000 | 100 | 9.52 | |
| 215 | 2... 13C-PCB-60 | 6.88e5 | 0.77 | NO | 1.00 | 1.000 | 36.66 | 36.67 | 1.000 | 0.000 | NO | 2000 | 100 | 3.04 | |
| 216 | 2... 13C-PCB-111 | 4.14e5 | 1.61 | NO | 1.00 | 1.000 | 39.22 | 39.24 | 1.000 | 0.000 | NO | 2000 | 100 | 0.880 | |
| 217 | 2... 13C-PCB-128 | 3.15e5 | 1.27 | NO | 1.00 | 1.000 | 46.58 | 46.58 | 1.000 | 0.000 | NO | 2000 | 100 | 2.03 | |
| 218 | 2... 13C-PCB-182 | 2.17e5 | 0.46 | NO | 1.00 | 1.000 | 46.41 | 46.41 | 0.000 | 0.000 | NO | 2000 | 100 | 2.14 | |
| 219 | 2... 13C-PCB-205 | 5.05e5 | 0.90 | NO | 1.00 | 1.000 | 54.98 | 54.98 | 1.000 | 0.000 | NO | 2000 | 100 | 0.538 | |
| 220 | 2... 13C-PCB-79 | 3.29e5 | 0.76 | NO | 1.03 | 1.000 | 37.77 | 37.77 | 1.030 | 1.030 | NO | 926.4 | 46.3 | 2.94 | |
| 221 | 2... 13C-PCB-178 | 1.00e5 | 0.48 | NO | 0.875 | 1.000 | 45.86 | 45.86 | 0.988 | 0.988 | NO | 726.8 | 36.3 | 1.69 | |
| 222 | 2... 13C-PCB-79 | 3.29e5 | 0.76 | NO | 1.05 | 1.000 | 37.75 | 37.77 | 0.967 | 0.968 | NO | 2181 | 109 | 7.03 | |
| 223 | 2... 13C-PCB-178 | 1.00e5 | 0.48 | NO | 0.975 | 1.000 | 45.88 | 45.86 | 0.924 | 0.923 | NO | 2192 | 110 | 5.08 | |

Dataset: Untitled

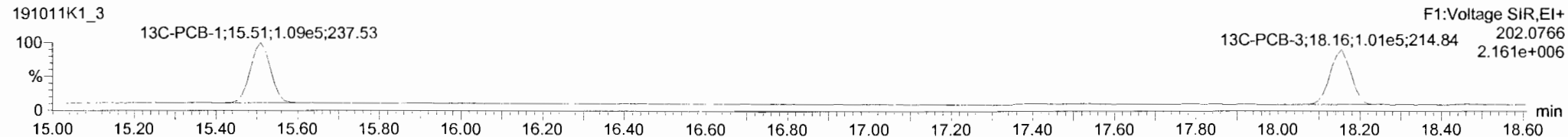
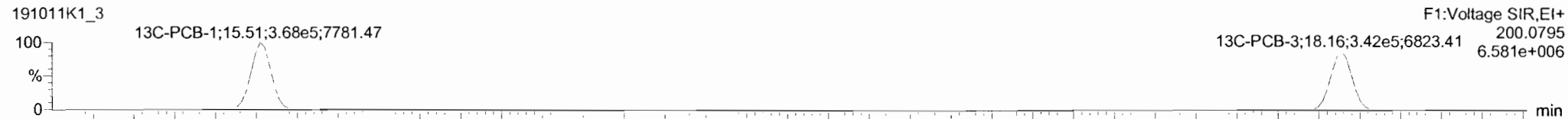
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

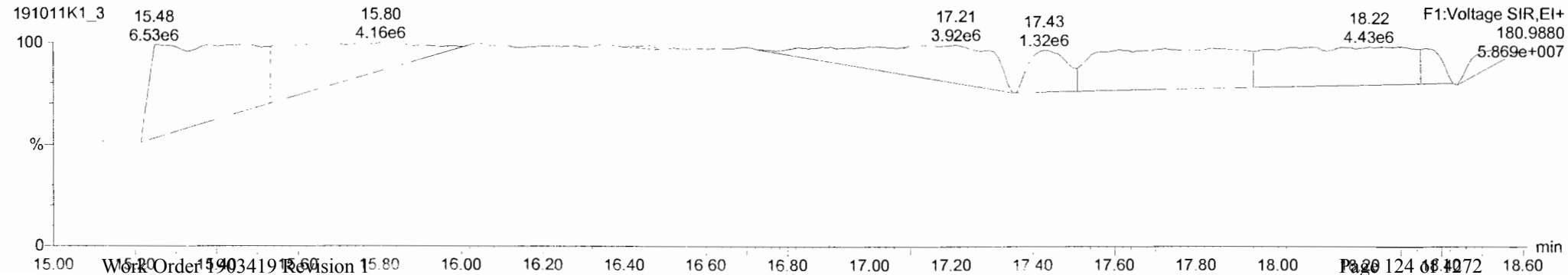
PCB-1



13C-PCB-1



PFK1



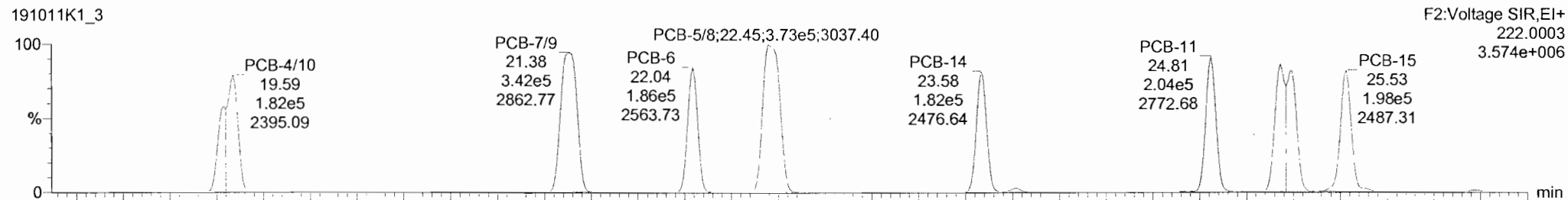
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

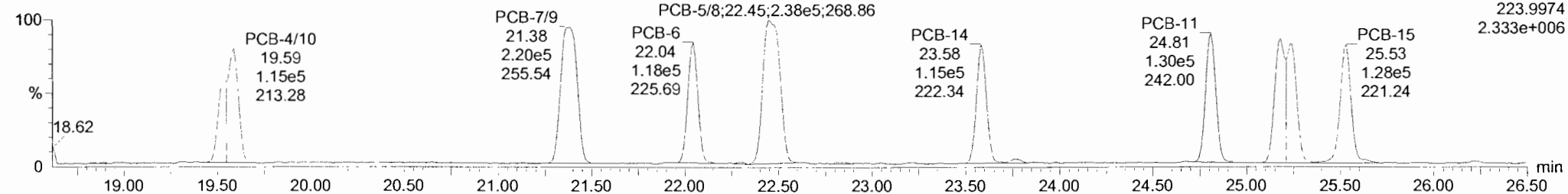
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

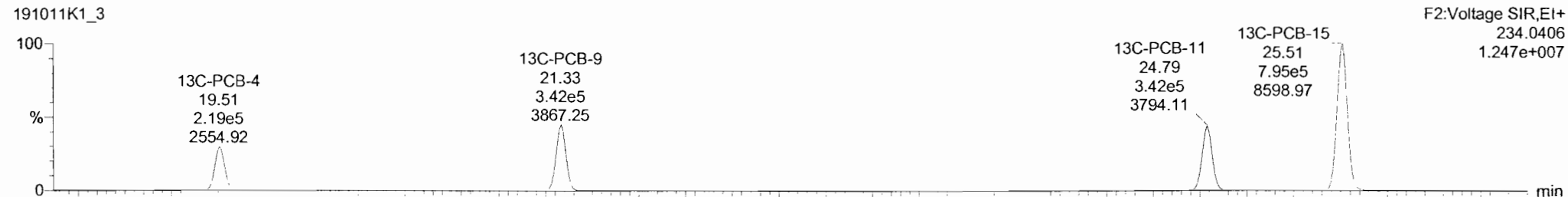
PCB-4/10



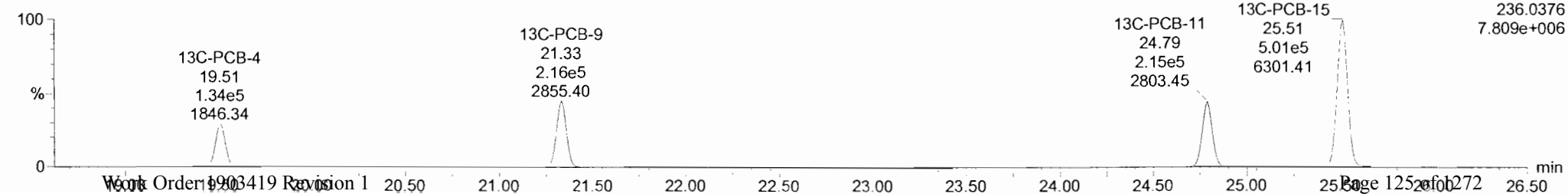
PCB-4/10



13C-PCB-4

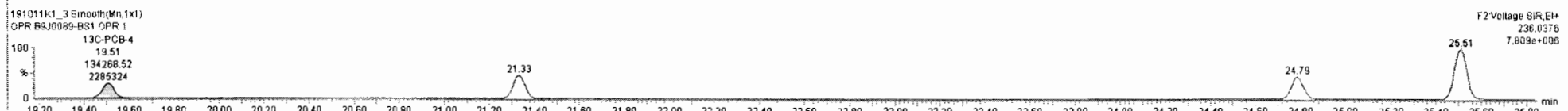
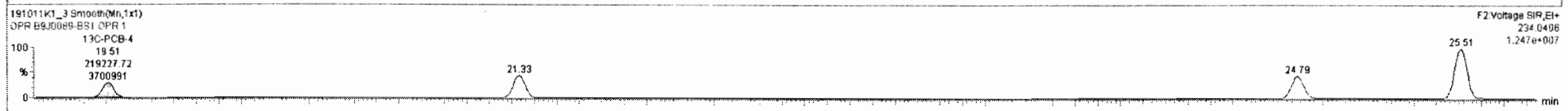
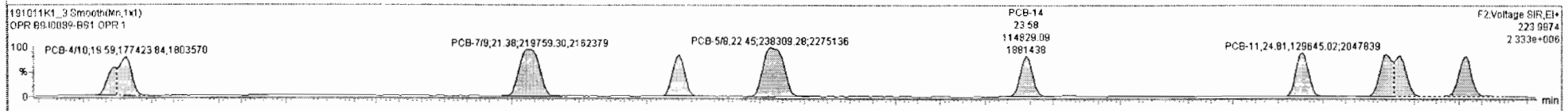
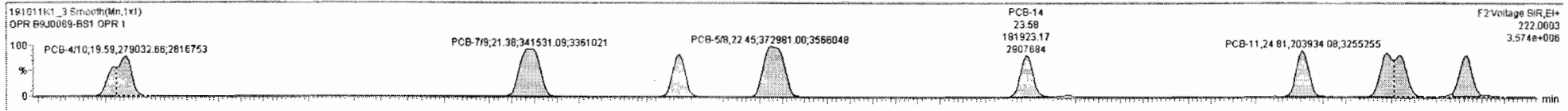


13C-PCB-4



| # | Name | Resp | RA | n/y | RPF | wt/vol | PredRT | RT | PredR | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|--------|-------|-------|-------|----------|-------|------|------|-------|
| 223 | 13C-PCB-178 | 1.00e5 | 0.48 | NO | 0.9749 | 1.000 | 45.88 | 45.86 | 0.924 | 0.923 | NO | 2192 | 110 | 5.08 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 3702 | | 1.93 | 3702 |
| 225 | Total Di-PCBs | | | | 1.0582 | 1.000 | 0.00 | | 0.000 | | NO | 12600 | | 34.2 | 12600 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 8941 | | 8.48 | 8941 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 17320 | | 18.4 | 17320 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 45550 | | 43.2 | 45550 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 46590 | | 52.1 | 46590 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 5473 | | 9.24 | 5473 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 15780 | | 20.9 | 15780 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 30730 | | 29.4 | 30730 |

| # | Name | PredRT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|--------|-------|---------|---------|----------------|------|-----|--------|--------|
| 1 | 4 PCB-4/10 | 19.59 | 19.59 | 2.790e5 | 1.774e5 | 1.560 | 1.57 | NO | 2024.9 | 2024.9 |
| 2 | 5 PCB-7/9 | 21.39 | 21.38 | 3.415e5 | 2.188e5 | 1.560 | 1.55 | NO | 2062.4 | 2062.4 |
| 3 | 6 PCB-6 | 22.04 | 22.04 | 1.863e5 | 1.178e5 | 1.560 | 1.58 | NO | 1072.5 | 1072.5 |
| 4 | 7 PCB-5/8 | 22.45 | 22.45 | 3.730e5 | 2.389e5 | 1.560 | 1.57 | NO | 2168.5 | 2168.5 |
| 5 | 8 PCB-14 | 23.60 | 23.58 | 1.819e5 | 1.148e5 | 1.560 | 1.58 | NO | 1032.0 | 1032.0 |
| 6 | 9 PCB-11 | 24.81 | 24.81 | 2.039e5 | 1.296e5 | 1.560 | 1.57 | NO | 1083.2 | 1083.2 |
| 7 | 10 PCB-12/13 | 25.24 | 25.18 | 3.704e5 | 2.347e5 | 1.560 | 1.58 | NO | 2095.9 | 2095.9 |
| 8 | 11 PCB-15 | 25.54 | 25.53 | 1.814e5 | 1.181e5 | 1.560 | 1.54 | NO | 1045.9 | 1045.9 |



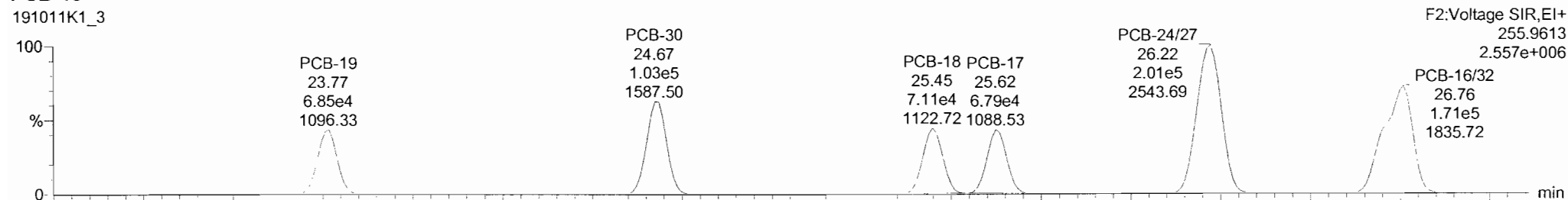
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

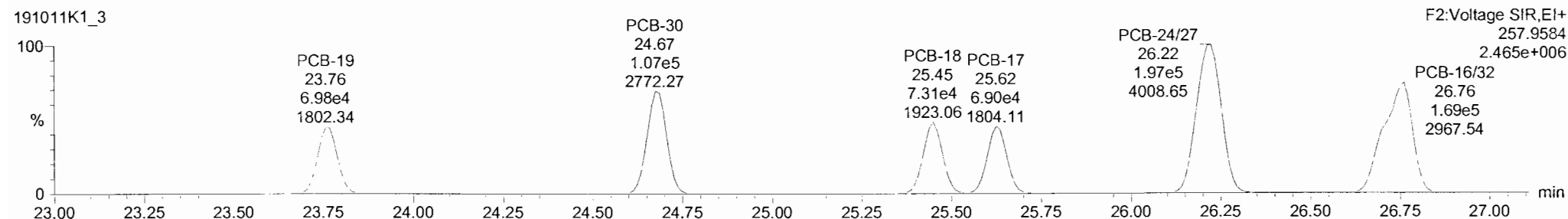
Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-19

191011K1_3

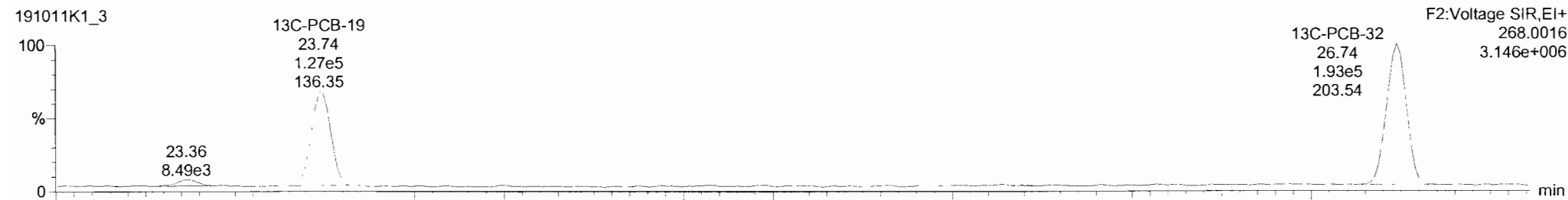


191011K1_3



13C-PCB-19

191011K1_3



191011K1_3



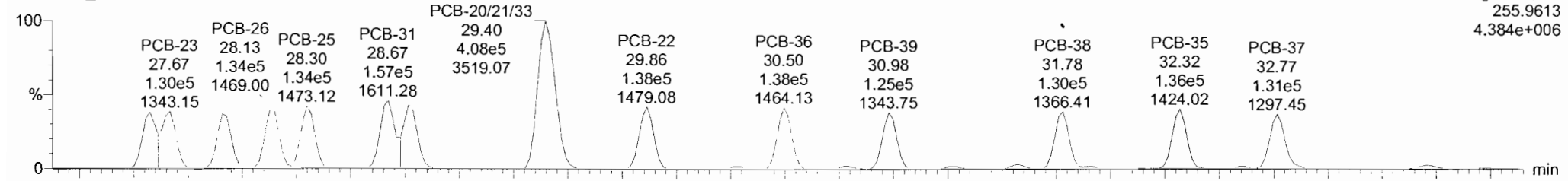
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

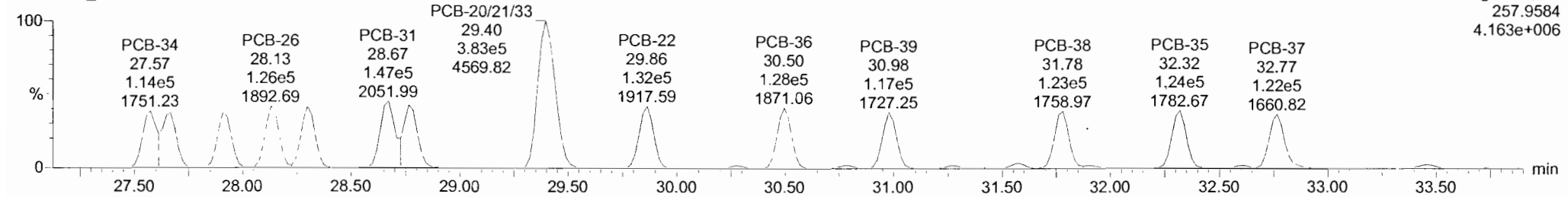
Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-34

191011K1_3

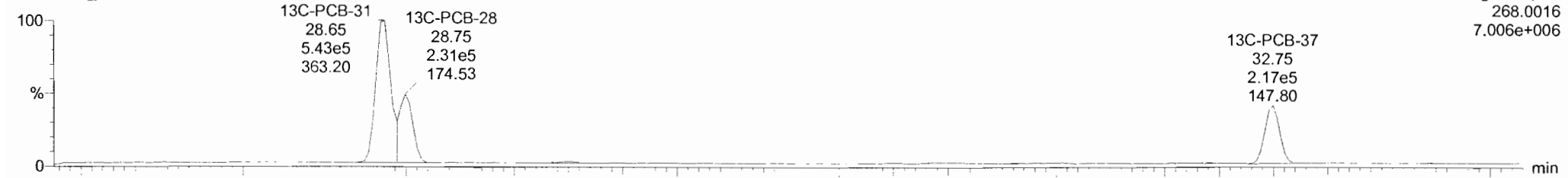


191011K1_3

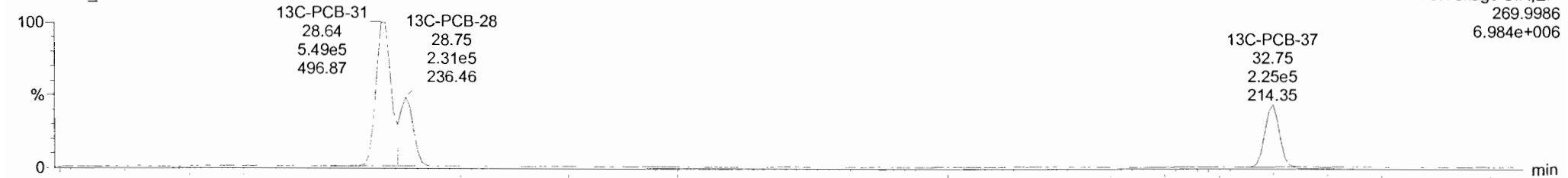


13C-PCB-28

191011K1_3



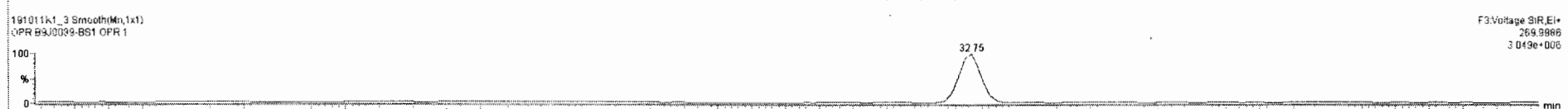
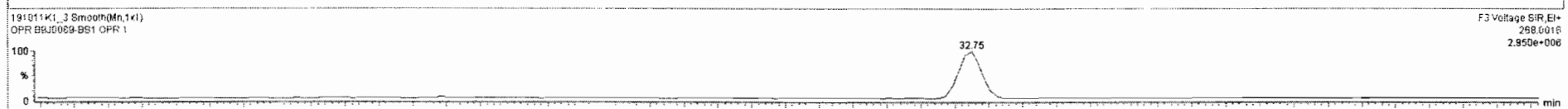
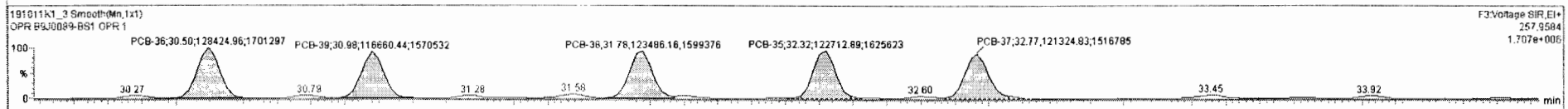
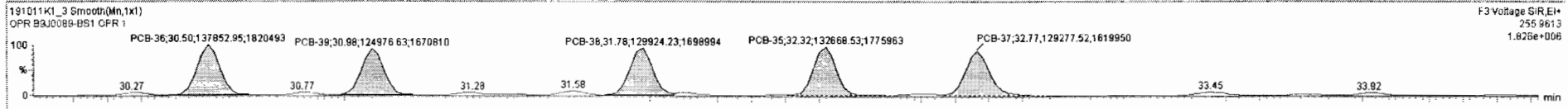
191011K1_3



191011K1_3 - BAJ0089-ES1 OPR 1 - OPR

| # | Name | Resp | RA | n/y | RRF | wtAval | Pred RT | RT | Pred R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|-----------|-------|----------|-------|------|------|-------|
| 223 | 223 13C-PCB-178 | 1.00e5 | 0.48 | NO | 0.9749 | 1.000 | 45.88 | 45.86 | 0.924 | 0.923 | NO | 2192 | 110 | 5.08 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 3702 | | 1.93 | 3702 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 12600 | | 34.2 | 12600 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 8941 | | 8.48 | 8941 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0583 | 1.000 | 0.00 | | 0.000 | | NO | 17290 | | 18.4 | 17290 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 45650 | | 43.2 | 45650 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 46590 | | 52.1 | 46590 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 5473 | | 9.24 | 5473 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7738 | 1.000 | 0.00 | | 0.000 | | NO | 15780 | | 20.9 | 15780 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 30730 | | 28.4 | 30730 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|-----------------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 1 | 18 PCB-34 | 27.57 | 27.57 | 1.168e5 | 1.135e5 | 1.040 | 1.03 | NO | 1008.6 | 1008.6 |
| 2 | 19 PCB-23 | 27.66 | 27.67 | 1.295e5 | 1.199e5 | 1.040 | 1.08 | NO | 1107.3 | 1107.3 |
| 3 | 20 PCB-29 | 27.93 | 27.91 | 1.213e5 | 1.153e5 | 1.040 | 1.05 | NO | 1073.0 | 1073.0 |
| 4 | 21 PCB-26 | 28.14 | 28.13 | 1.340e5 | 1.264e5 | 1.040 | 1.06 | NO | 1124.8 | 1124.8 |
| 5 | 22 PCB-25 | 28.31 | 28.30 | 1.337e5 | 1.250e5 | 1.040 | 1.07 | NO | 1144.0 | 1144.0 |
| 6 | 23 PCB-31 | 28.68 | 28.67 | 1.568e5 | 1.468e5 | 1.040 | 1.07 | NO | 1168.0 | 1168.0 |
| 7 | 24 PCB-28 | 28.76 | 28.76 | 1.364e5 | 1.273e5 | 1.040 | 1.07 | NO | 1031.7 | 1031.7 |
| 8 | 25 PCB-20/21/33 | 29.39 | 29.40 | 4.079e5 | 3.835e5 | 1.040 | 1.06 | NO | 3410.3 | 3410.3 |
| 9 | 26 PCB-22 | 29.86 | 29.86 | 1.381e5 | 1.321e5 | 1.040 | 1.05 | NO | 1131.2 | 1131.2 |

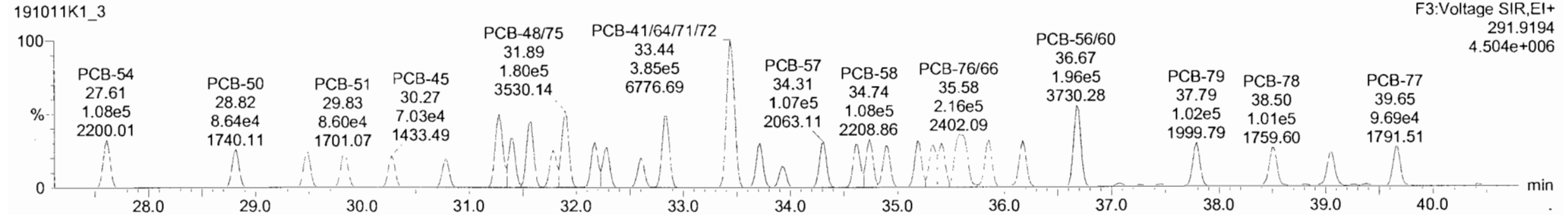
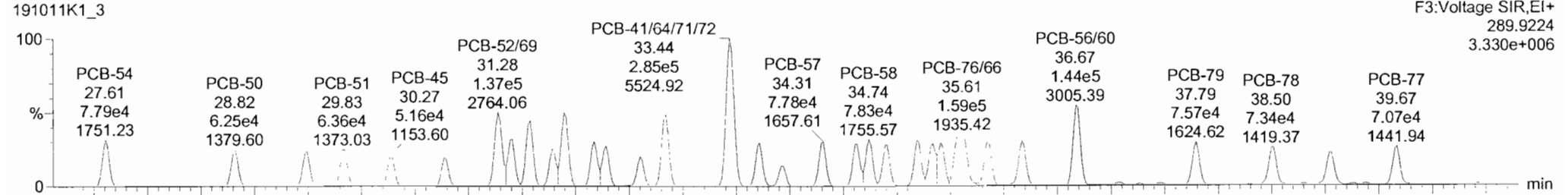


Dataset: Untitled

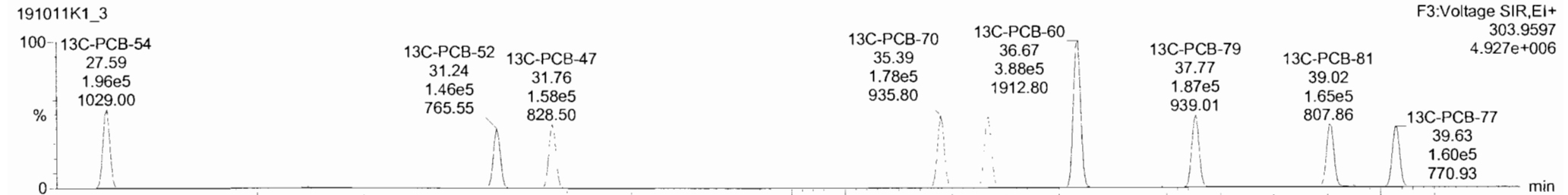
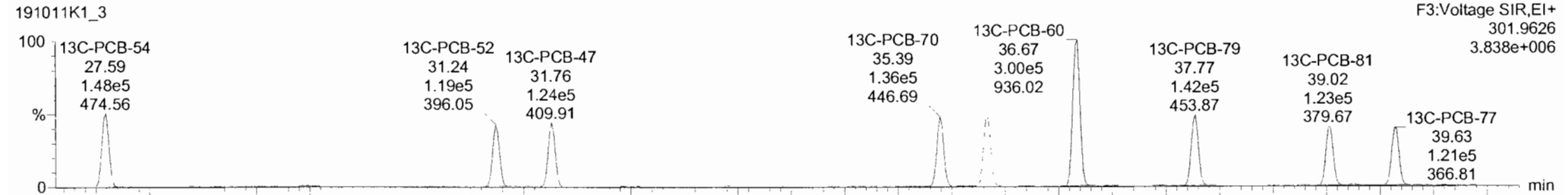
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-54



13C-PCB-54

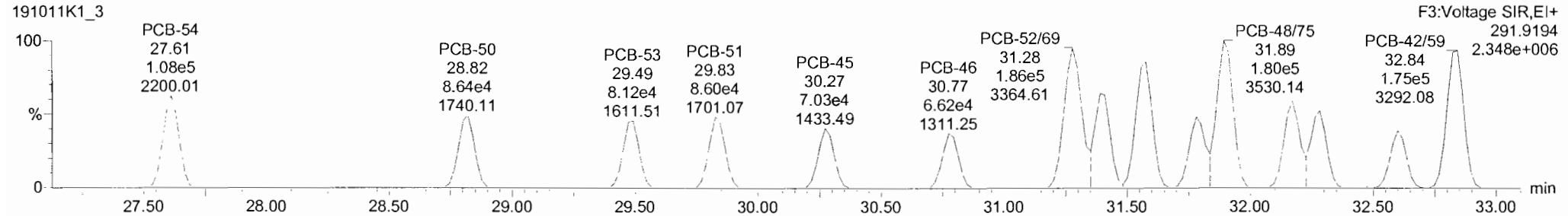
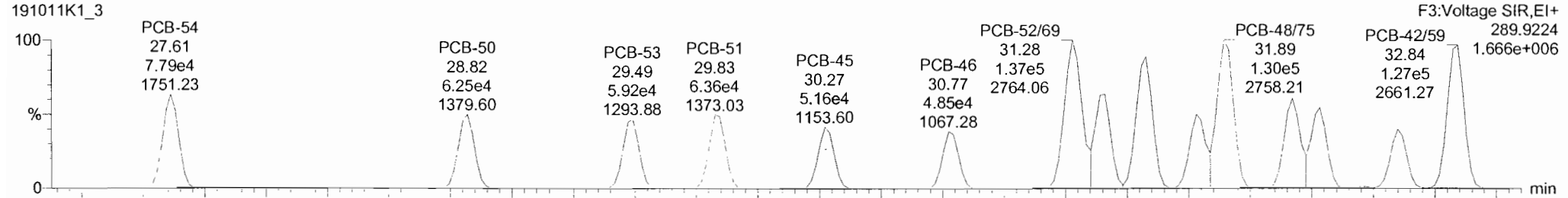


Dataset: Untitled

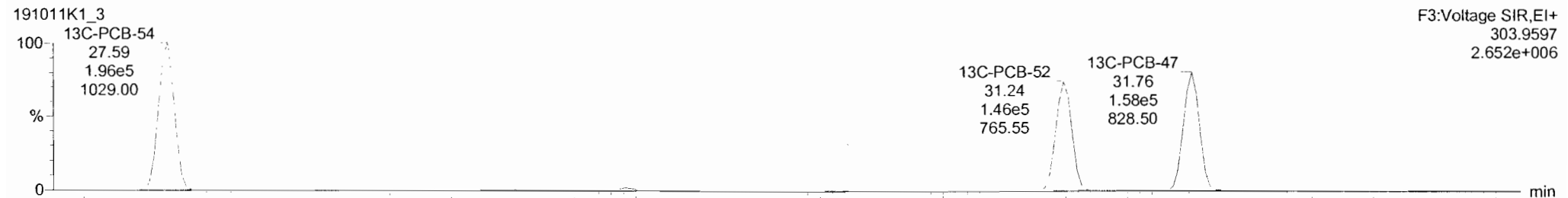
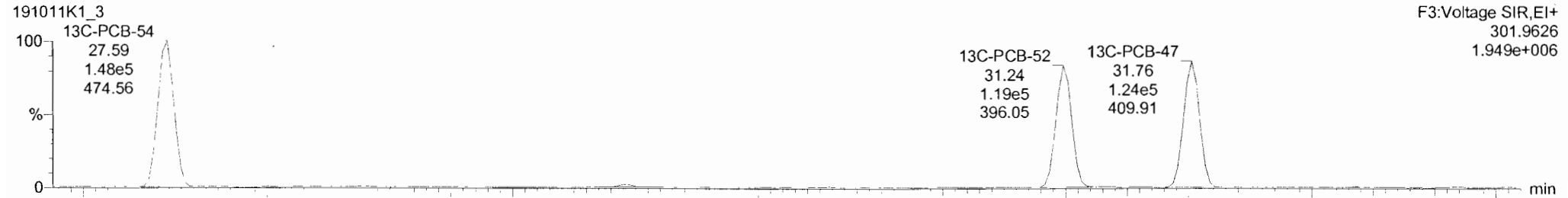
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
 Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-50



13C-PCB-52



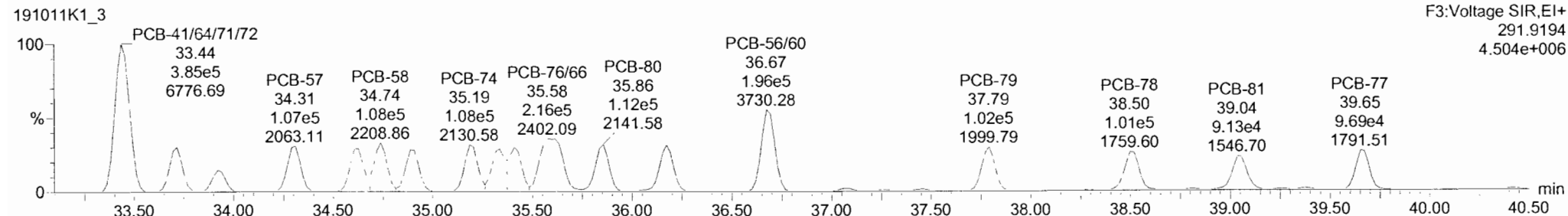
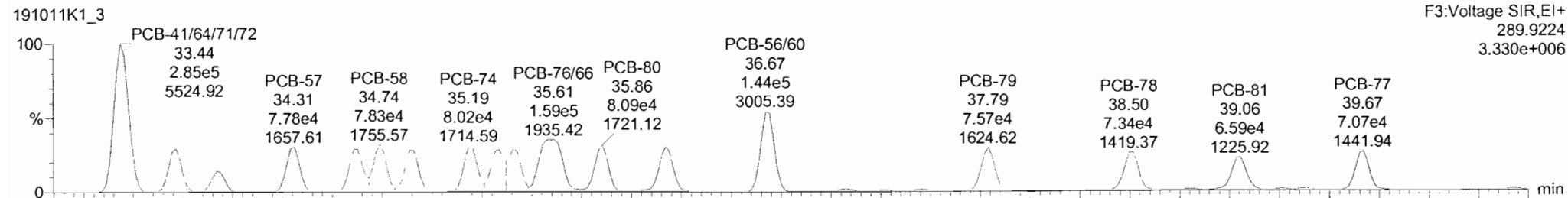
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

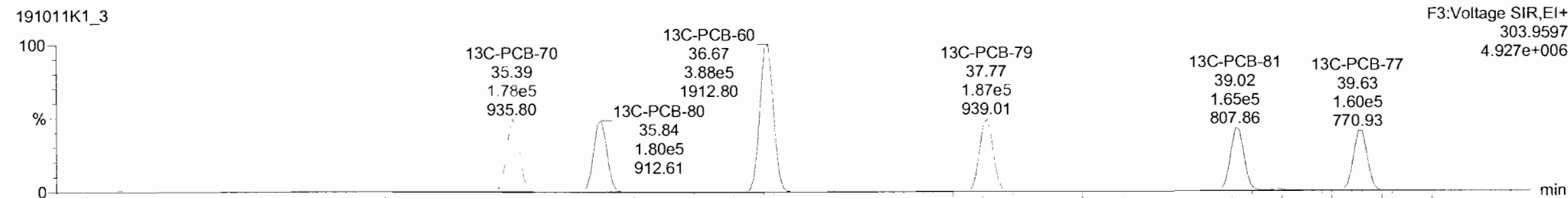
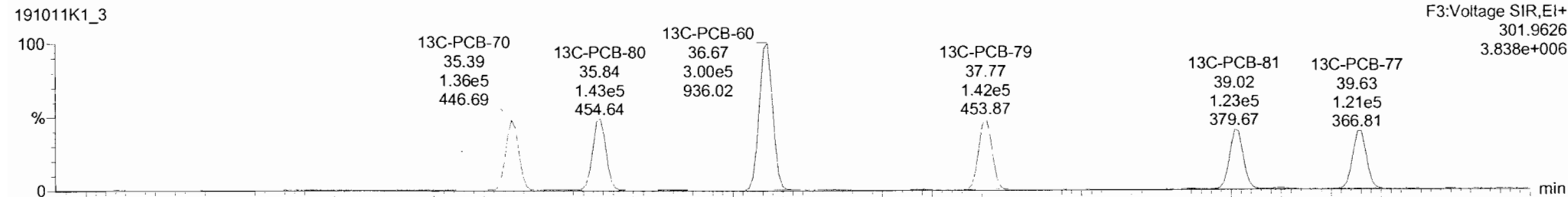
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-68



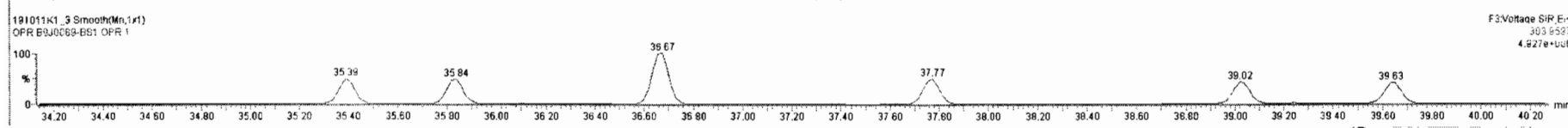
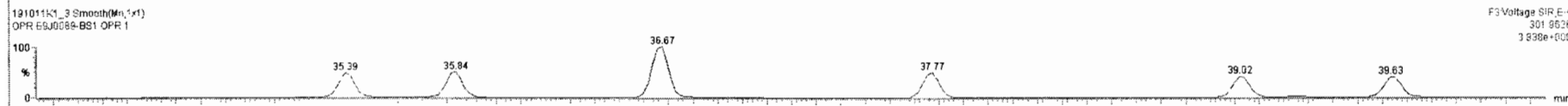
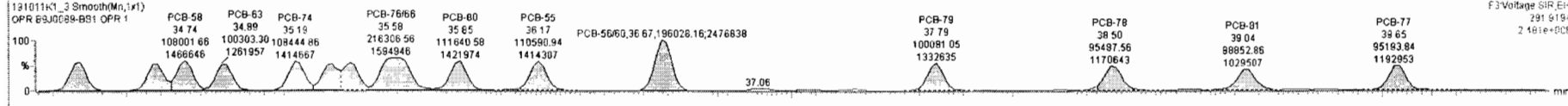
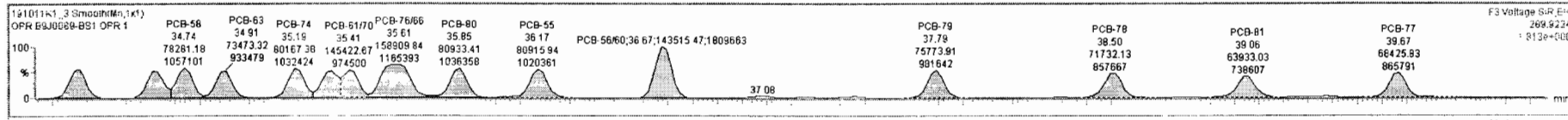
13C-PCB-60



191011K1_3_B9J0089-BS1_OPR_1_OPR

| # | Name | Resp | RA | n/y | RRF | wtVal | Pred RT | RT | Pred R | RRT | RRT Fail | Conc. | %Rec | DC | EMPC |
|-----|------|-------------------------|--------|------|-----|--------|---------|-------|--------|-------|----------|-------|-------|------|-------|
| 223 | 223 | 13C-PCB-178 | 1.00e5 | 0.48 | NO | 0.9749 | 1.000 | 45.88 | 45.86 | 0.924 | 0.923 | NO | 2192 | 110 | 5.08 |
| 224 | 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | | | NO | 3702 | 1.93 | 3702 |
| 225 | 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | | | NO | 12600 | 34.2 | 12600 |
| 226 | 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | | | NO | 8941 | 8.49 | 8941 |
| 227 | 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.000 | | | NO | 17290 | 18.4 | 17290 |
| 228 | 228 | Total Tetra-PCBs | | | | 0.9601 | 1.000 | 0.00 | 0.000 | | | NO | 46630 | 43.2 | 46630 |
| 229 | 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.000 | | | NO | 46690 | 52.1 | 46690 |
| 230 | 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.000 | | | NO | 5473 | 9.24 | 5473 |
| 231 | 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.000 | | | NO | 15780 | 20.9 | 15780 |
| 232 | 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.000 | | | NO | 30730 | 29.4 | 30730 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 32 PCB-54 | 27.61 | 27.61 | 7.787e4 | 1.090e5 | 0.770 | 0.72 | NO | 1085.4 | 1085.4 |
| 2 | 33 PCB-50 | 28.81 | 28.82 | 6.247e4 | 8.640e4 | 0.770 | 0.72 | NO | 1107.9 | 1107.9 |
| 3 | 34 PCB-53 | 29.47 | 29.49 | 5.916e4 | 6.115e4 | 0.770 | 0.73 | NO | 1110.7 | 1110.7 |
| 4 | 35 PCB-51 | 29.82 | 29.83 | 6.363e4 | 8.604e4 | 0.770 | 0.74 | NO | 1105.5 | 1105.5 |
| 5 | 36 PCB-45 | 30.27 | 30.27 | 5.161e4 | 7.026e4 | 0.770 | 0.73 | NO | 1140.4 | 1140.4 |
| 6 | 37 PCB-46 | 30.77 | 30.77 | 4.854e4 | 6.521e4 | 0.770 | 0.73 | NO | 1151.3 | 1151.3 |
| 7 | 38 PCB-52/69 | 31.28 | 31.28 | 1.366e5 | 1.898e5 | 0.770 | 0.74 | NO | 2232.5 | 2232.5 |
| 8 | 39 PCB-73 | 31.40 | 31.41 | 7.070e4 | 1.062e5 | 0.770 | 0.72 | NO | 1101.8 | 1101.8 |
| 9 | 40 PCB-43/49 | 31.56 | 31.58 | 1.142e5 | 1.567e5 | 0.770 | 0.73 | NO | 2176.3 | 2176.3 |



Dataset: Untitled

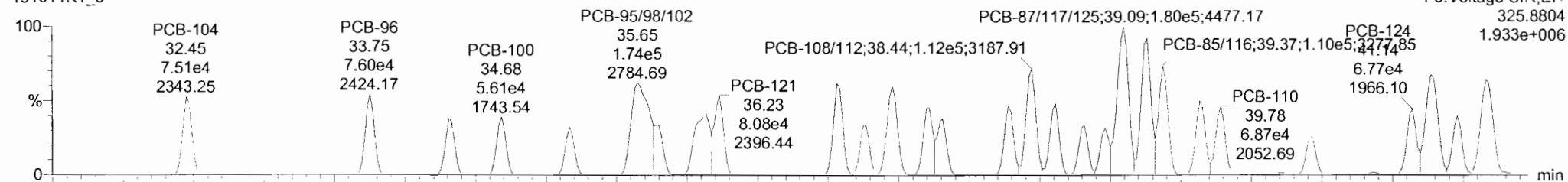
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

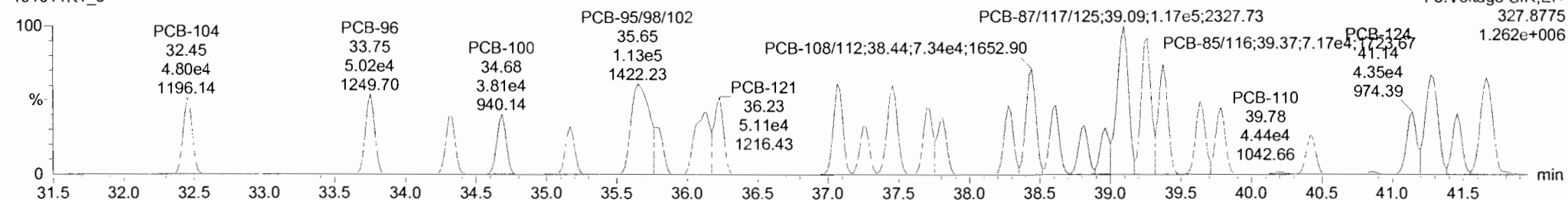
Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-104

191011K1_3

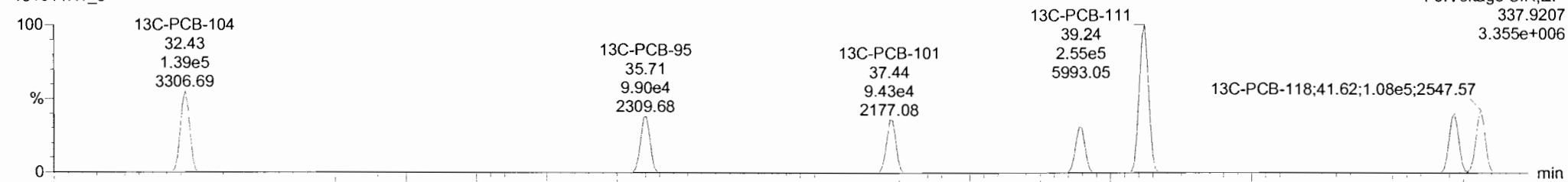


191011K1_3

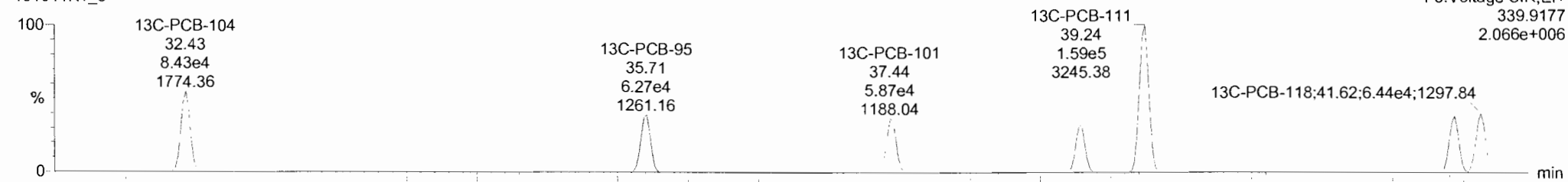


13C-PCB-104

191011K1_3



191011K1_3



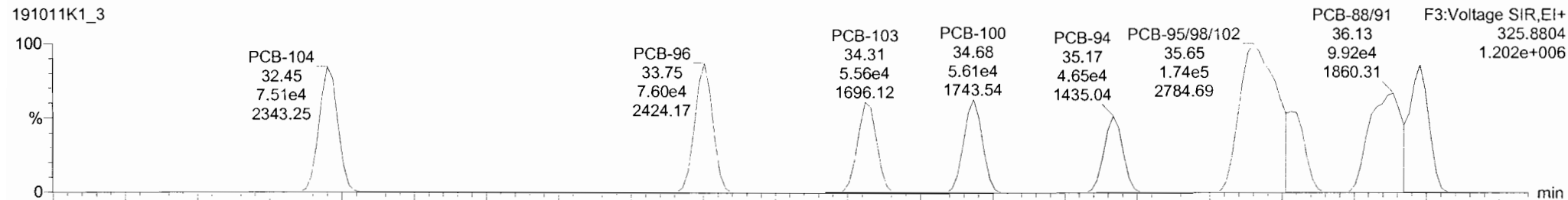
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
 Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

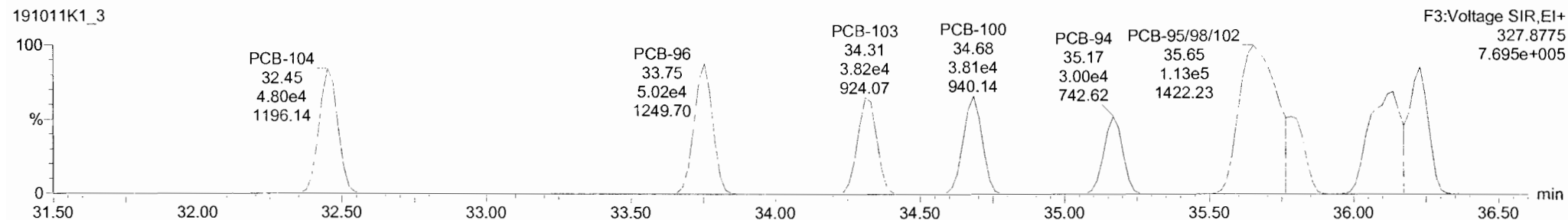
Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-96

191011K1_3

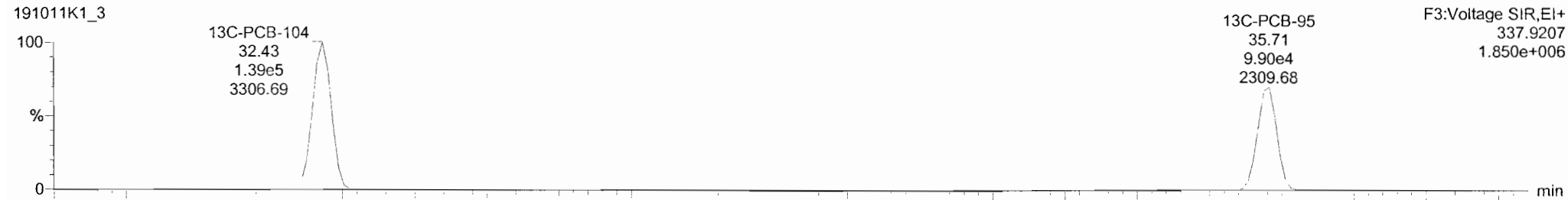


191011K1_3

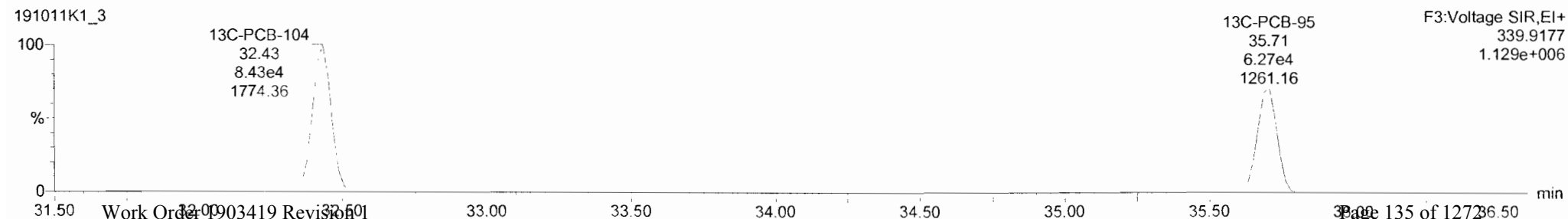


13C-PCB-95

191011K1_3



191011K1_3

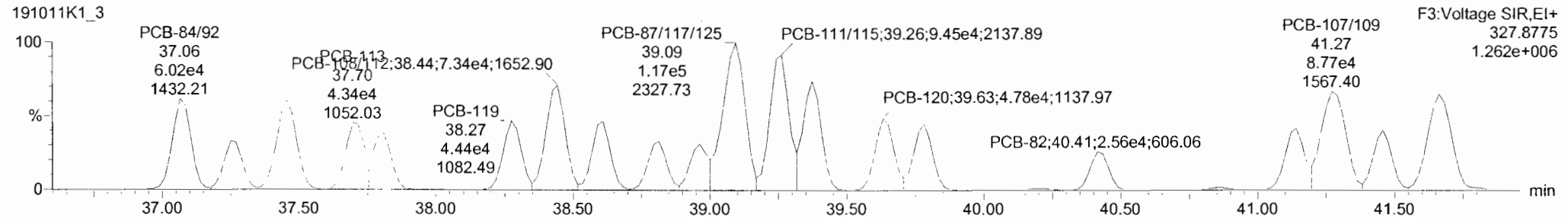
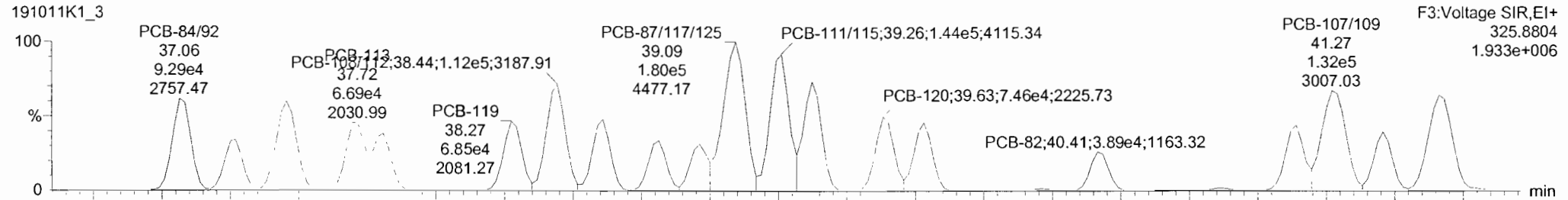


Dataset: Untitled

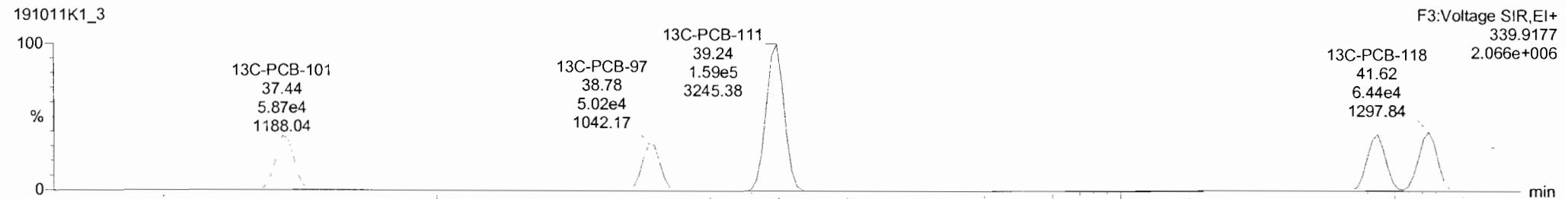
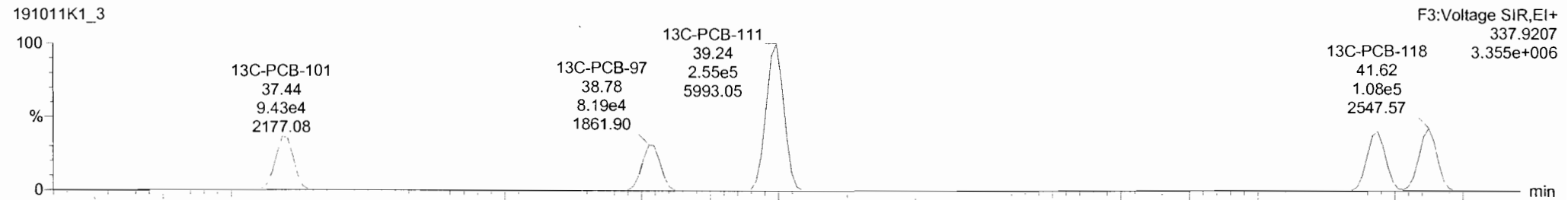
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-119

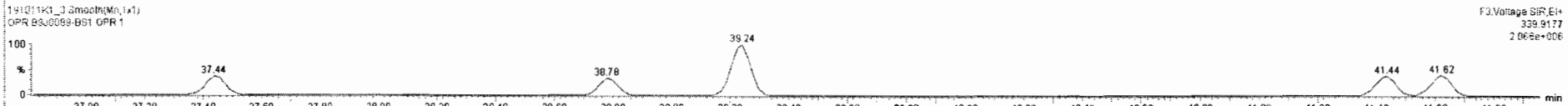
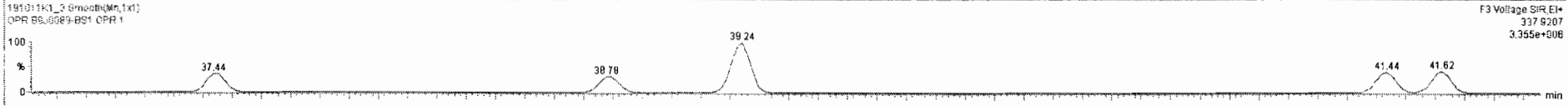
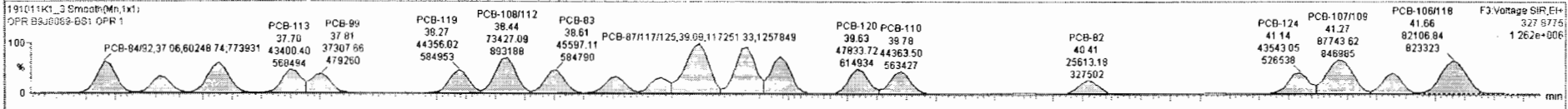
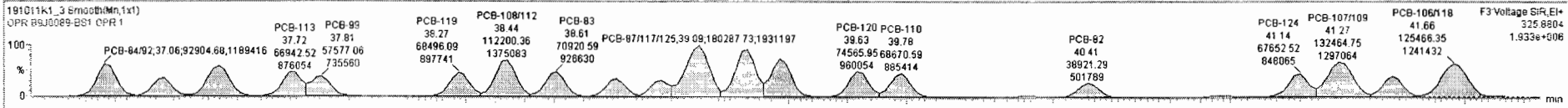


13C-PCB-111



| # | Name | Resp | RA | n/y | RRF | WtVol | Pred RT | RT | Pred R... | RRT | RRT Fal | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|-----------|-------|---------|-------|------|------|-------|
| 223 | 13C-PCB-178 | 1.00e5 | 0.48 | NO | 0.9749 | 1.000 | 45.88 | 45.86 | 0.924 | 0.923 | NO | 2192 | 110 | 5.08 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 3702 | | 1.93 | 3702 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 12600 | | 34.2 | 12600 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 8941 | | 8.46 | 8941 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 17290 | | 18.4 | 17290 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 46630 | | 43.2 | 46630 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 48540 | | 52.1 | 48540 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 5473 | | 9.24 | 5473 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 15780 | | 20.9 | 15780 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 30730 | | 29.4 | 30730 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | *Ratio (Pred) | RA | n/y | EMPC | Conc. |
|----|---------------|---------|-------|---------|---------|---------------|------|-----|--------|--------|
| 64 | PCB-104 | 32.45 | 32.45 | 7.514e4 | 4.803e4 | 1.560 | 1.56 | NO | 1111.4 | 1111.4 |
| 65 | PCB-96 | 33.74 | 33.75 | 7.601e4 | 5.015e4 | 1.560 | 1.52 | NO | 1137.0 | 1137.0 |
| 66 | PCB-103 | 34.31 | 34.31 | 5.557e4 | 3.821e4 | 1.560 | 1.45 | NO | 1087.0 | 1087.0 |
| 67 | PCB-100 | 34.68 | 34.68 | 5.613e4 | 3.807e4 | 1.560 | 1.47 | NO | 1087.1 | 1087.1 |
| 68 | PCB-94 | 35.19 | 35.17 | 4.646e4 | 2.997e4 | 1.560 | 1.55 | NO | 1222.5 | 1222.5 |
| 69 | PCB-95/98/102 | 35.66 | 35.65 | 1.743e5 | 1.126e5 | 1.560 | 1.55 | NO | 3497.3 | 3497.3 |
| 70 | PCB-93 | 35.78 | 35.78 | 4.707e4 | 2.855e4 | 1.560 | 1.65 | NO | 1112.2 | 1112.2 |
| 71 | PCB-89/91 | 36.13 | 36.13 | 9.918e4 | 6.521e4 | 1.560 | 1.52 | NO | 2285.8 | 2285.8 |
| 72 | PCB-121 | 36.22 | 36.23 | 8.083e4 | 5.109e4 | 1.560 | 1.58 | NO | 1177.4 | 1177.4 |



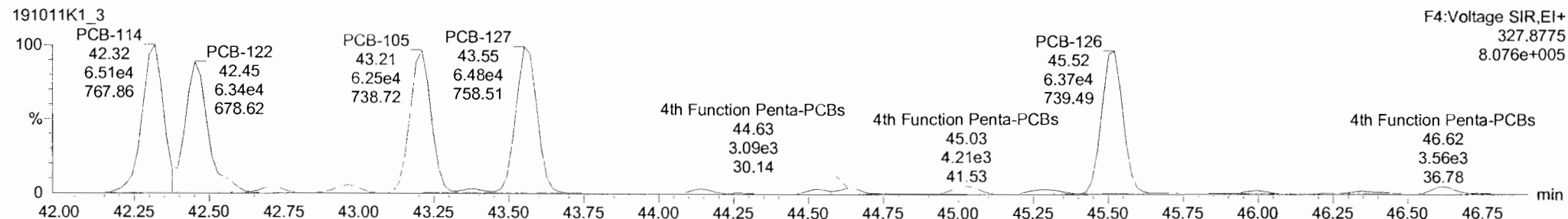
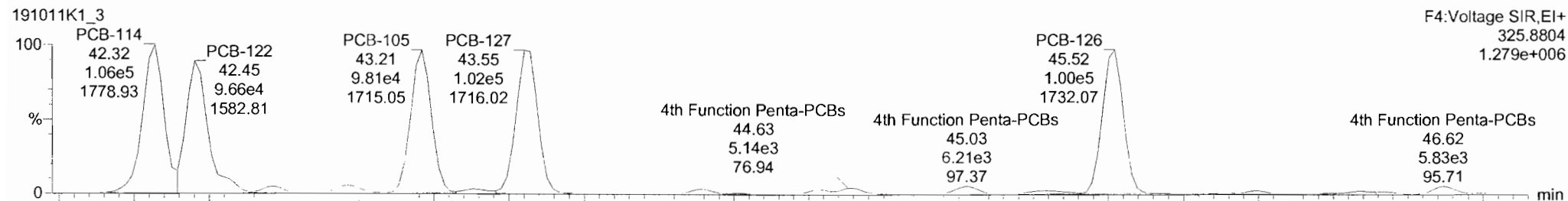
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

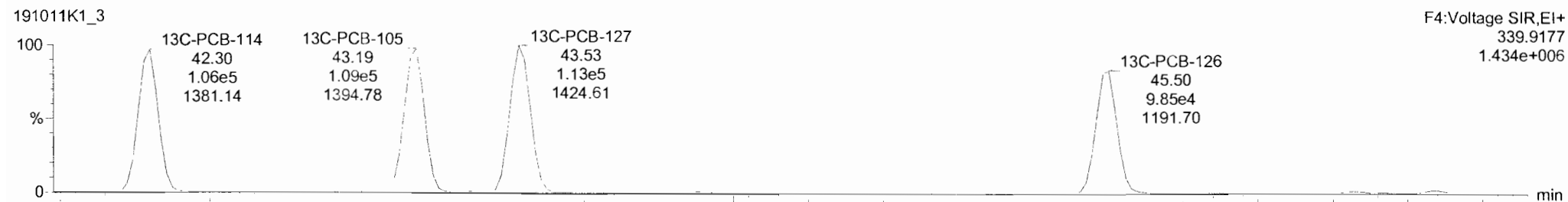
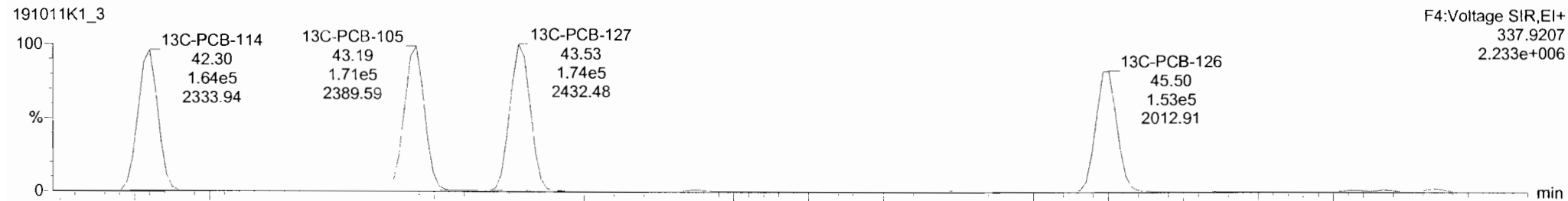
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-114

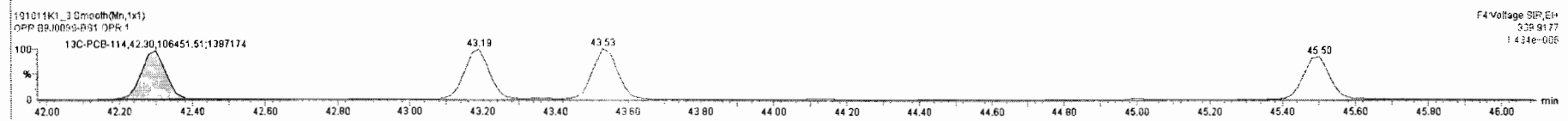
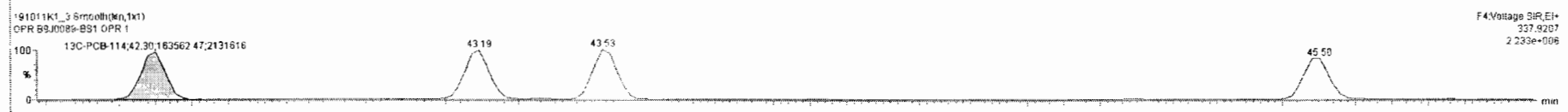
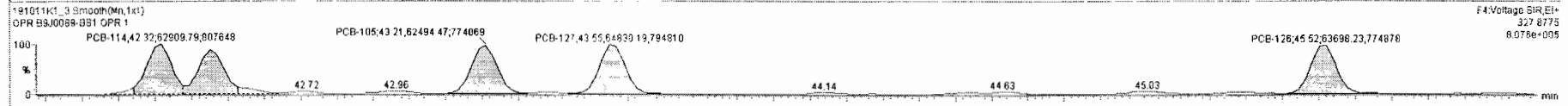
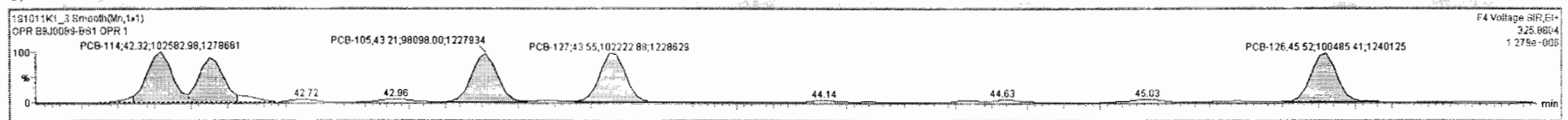


13C-PCB-114



| # | Name | Resp | RA | RV | RR' | wt/mol | Pred RT | RT | Pred R | RRT | RRT Fall | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|----|--------|--------|---------|-------|--------|-------|----------|-------|------|------|-------|
| 223 | 223 13C-PCB-170 | 1.00e5 | 0.48 | NO | 0.9749 | 1.000 | 45.86 | 45.86 | 0.924 | 0.923 | NO | 2192 | 110 | 5.08 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 3702 | | 1.93 | 3702 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 12600 | | 34.2 | 12600 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 8941 | | 8.48 | 8941 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 17290 | | 18.4 | 17290 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 46630 | | 43.2 | 46630 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 46540 | | 52.1 | 46540 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 5338 | | 9.24 | 5338 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 15780 | | 20.9 | 15780 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9716 | 1.000 | 0.00 | | 0.000 | | NO | 30730 | | 29.4 | 30730 |

| # | Name | Pred RT | RT | rd Resp | m2 Resp | 1* Ratio (Pred) | RA | RV | EMPC | Conc |
|---|------------|---------|-------|---------|---------|-----------------|------|----|--------|--------|
| 1 | 93 PCB-114 | 42.32 | 42.32 | 1.026e5 | 6.291e4 | 1.560 | 1.63 | NO | 1055.3 | 1055.3 |
| 2 | 94 PCB-122 | 42.45 | 42.45 | 8.624e4 | 5.847e4 | 1.560 | 1.51 | NO | 1117.4 | 1117.4 |
| 3 | 95 PCB-105 | 43.21 | 43.21 | 9.610e4 | 6.249e4 | 1.550 | 1.57 | NO | 1041.0 | 1041.0 |
| 4 | 96 PCB-127 | 43.55 | 43.55 | 1.022e5 | 6.493e4 | 1.560 | 1.58 | NO | 1049.0 | 1049.0 |
| 5 | 97 PCB-126 | 45.52 | 45.52 | 1.005e5 | 6.370e4 | 1.560 | 1.58 | NO | 1075.3 | 1075.3 |

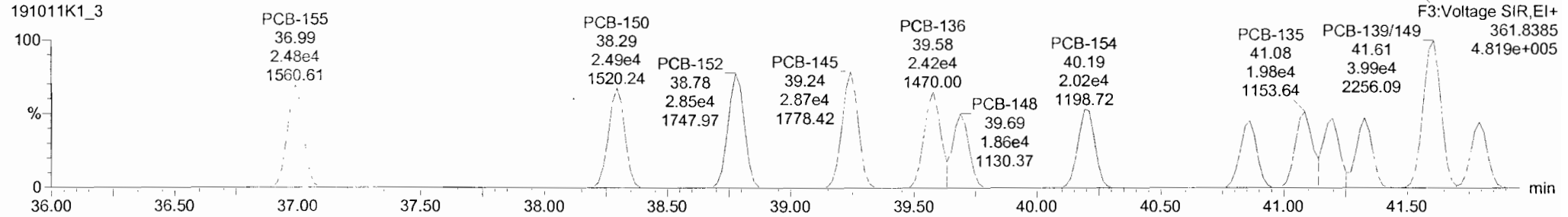
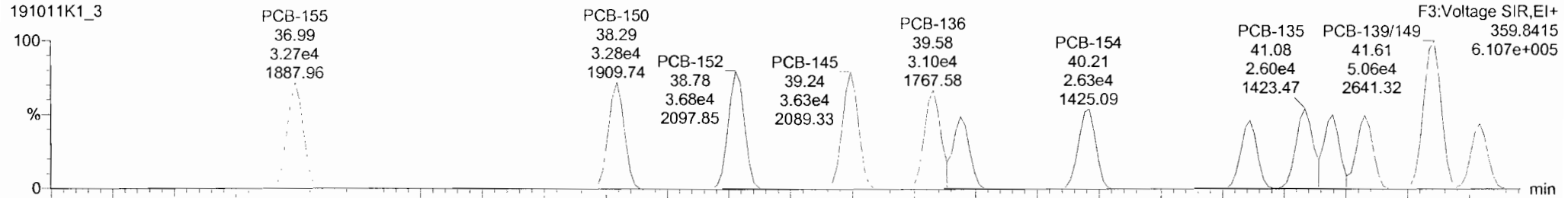


Dataset: Untitled

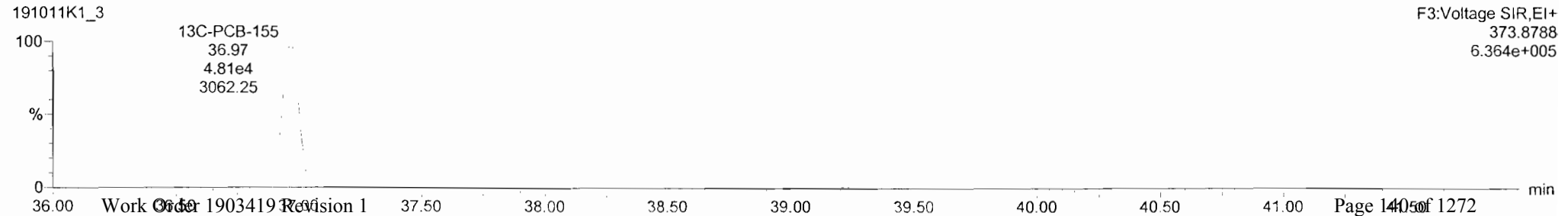
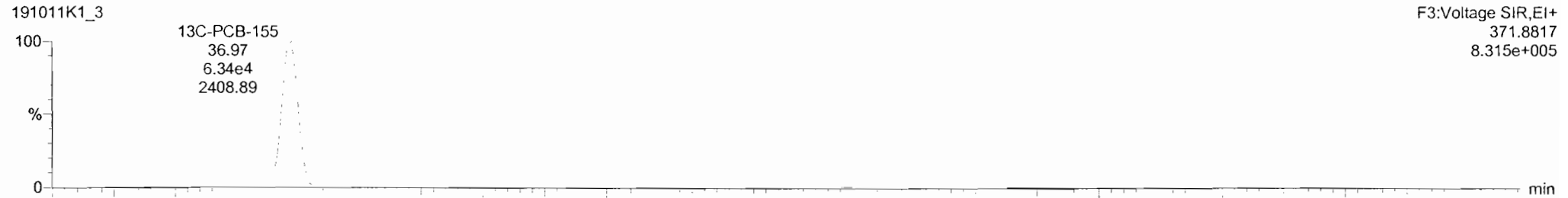
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-155



13C-PCB-155

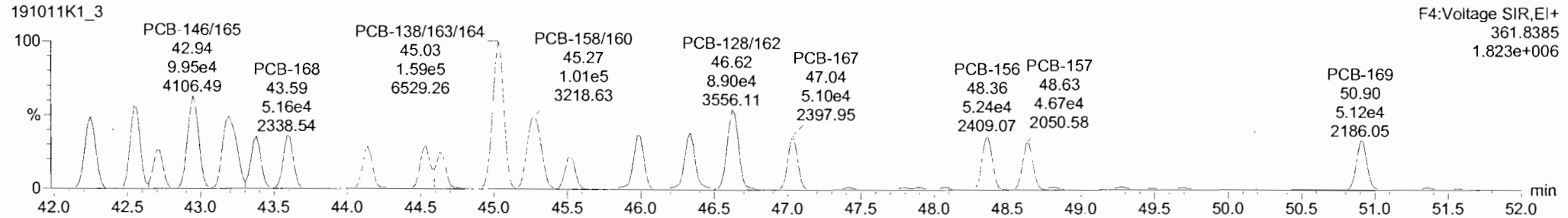
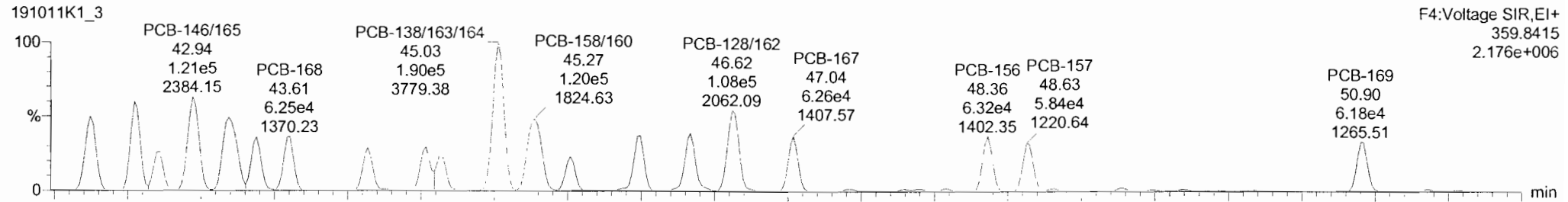


Dataset: Untitled

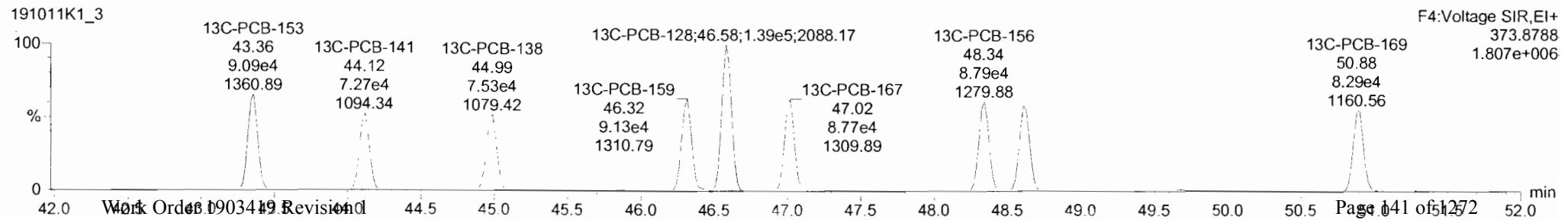
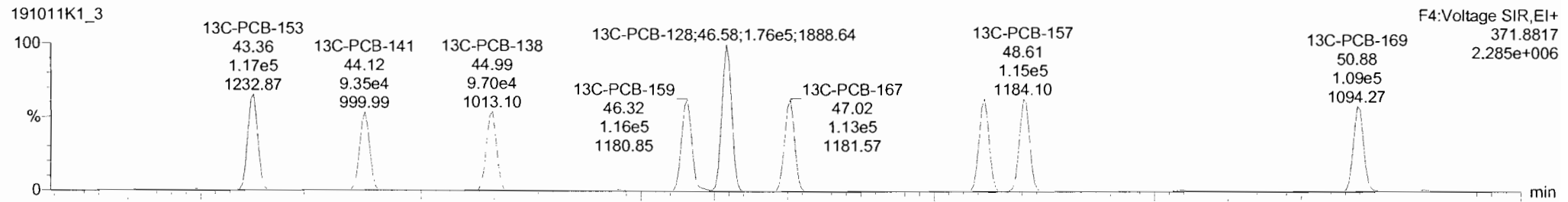
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-134/143

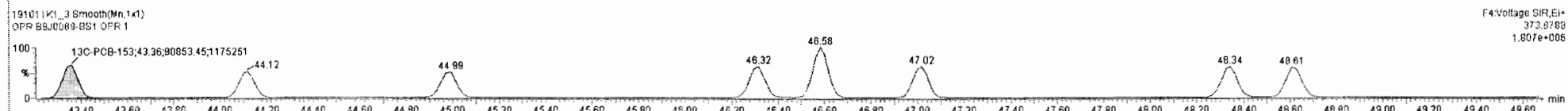
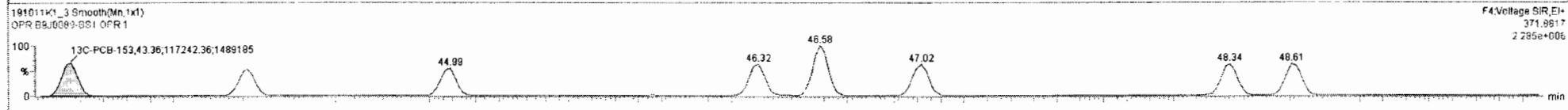
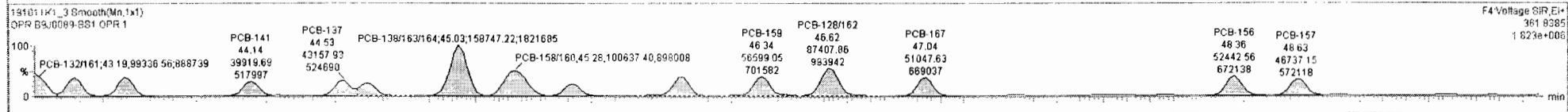
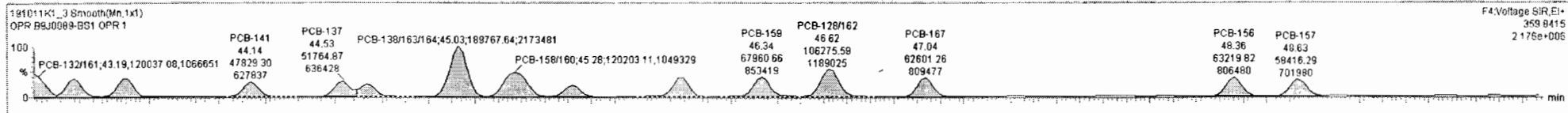


13C-PCB-153



| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|-------|------|------|-------|
| 223 | 13C-PCB-178 | 1.00e5 | 0.48 | NO | 0.9749 | 1.000 | 45.88 | 45.86 | 0.924 | 0.923 | NO | 2192 | 110 | 5.08 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | | | NO | 3702 | | 1.93 | 3702 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | | | NO | 12600 | | 34.2 | 12600 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | | | NO | 8941 | | 8.48 | 8941 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.000 | | | NO | 17290 | | 18.4 | 17290 |
| 228 | Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | 0.000 | | | NO | 46630 | | 43.2 | 46630 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.000 | | | NO | 46540 | | 52.1 | 46540 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.000 | | | NO | 5338 | | 9.24 | 5338 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.000 | | | NO | 15780 | | 20.9 | 15780 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.000 | | | NO | 30510 | | 29.4 | 30510 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | PCB-134/143 | 42.27 | 42.24 | 9.379e4 | 7.664e4 | 1.240 | 1.22 | NO | 2233.6 | 2233.6 |
| 2 | PCB-131/133 | 42.56 | 42.55 | 1.013e5 | 8.213e4 | 1.240 | 1.23 | NO | 2231.0 | 2231.0 |
| 3 | PCB-142 | 42.71 | 42.72 | 4.449e4 | 3.695e4 | 1.240 | 1.20 | NO | 1105.6 | 1105.6 |
| 4 | PCB-146/165 | 42.96 | 42.94 | 1.214e5 | 9.954e4 | 1.240 | 1.22 | NO | 2212.8 | 2212.8 |
| 5 | PCB-132/161 | 43.20 | 43.19 | 1.200e5 | 9.934e4 | 1.240 | 1.21 | NO | 2163.8 | 2163.8 |
| 6 | PCB-153 | 43.38 | 43.38 | 6.123e4 | 5.008e4 | 1.240 | 1.21 | NO | 1062.7 | 1062.7 |
| 7 | PCB-166 | 43.61 | 43.61 | 6.252e4 | 5.164e4 | 1.240 | 1.21 | NO | 1076.3 | 1076.3 |
| 8 | PCB-141 | 44.14 | 44.14 | 4.763e4 | 3.992e4 | 1.240 | 1.20 | NO | 1092.1 | 1092.1 |
| 9 | PCB-137 | 44.52 | 44.53 | 5.176e4 | 4.316e4 | 1.240 | 1.20 | NO | 1157.2 | 1157.2 |



Vista Analytical Laboratory VG-11

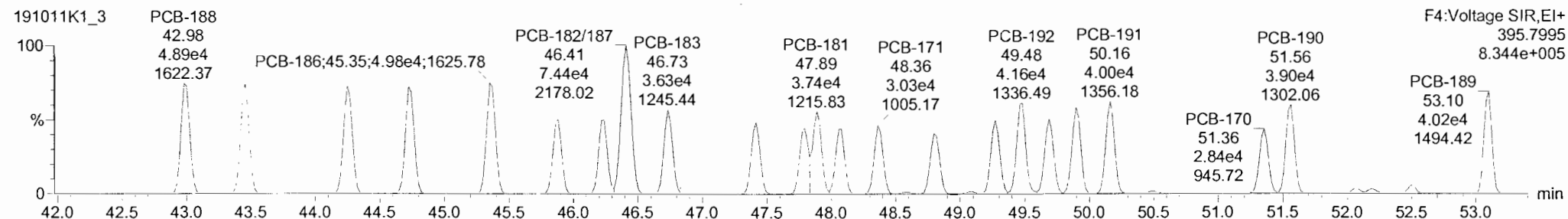
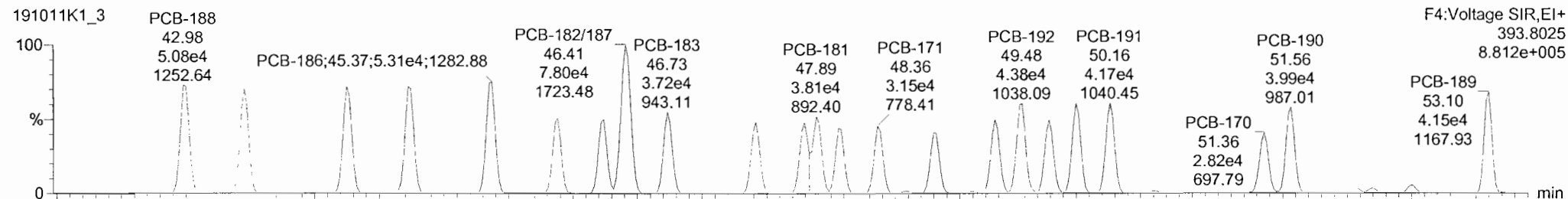
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

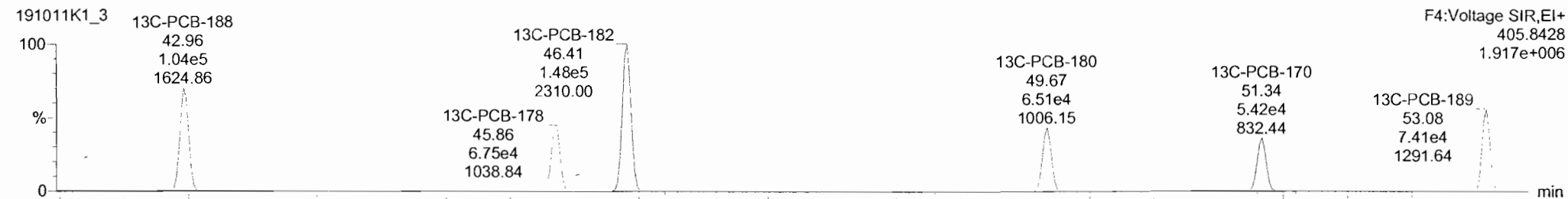
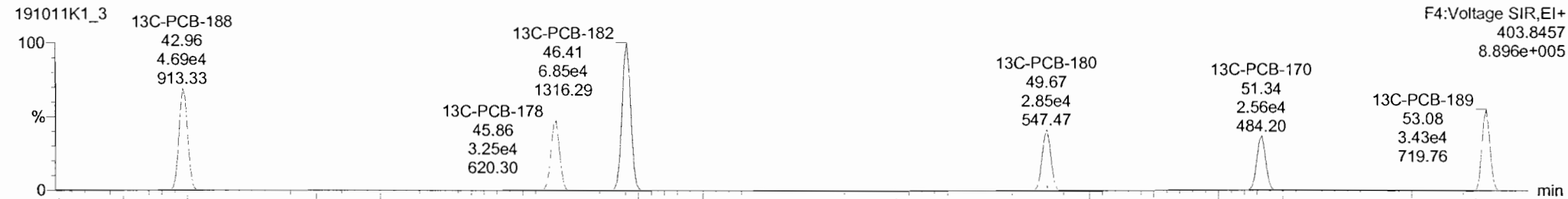
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-188



13C-PCB-188

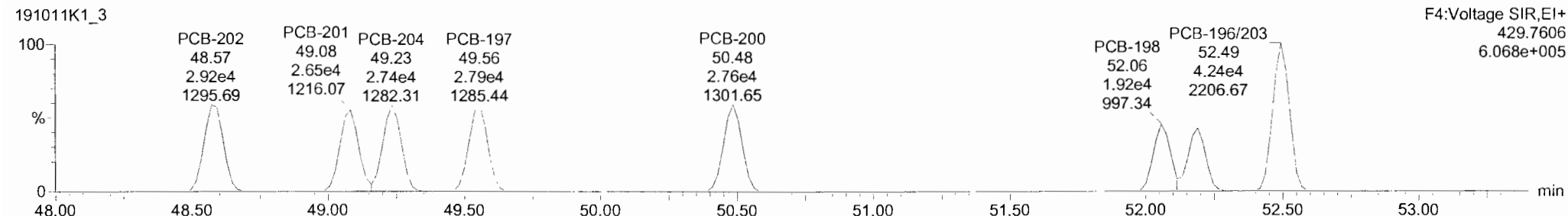
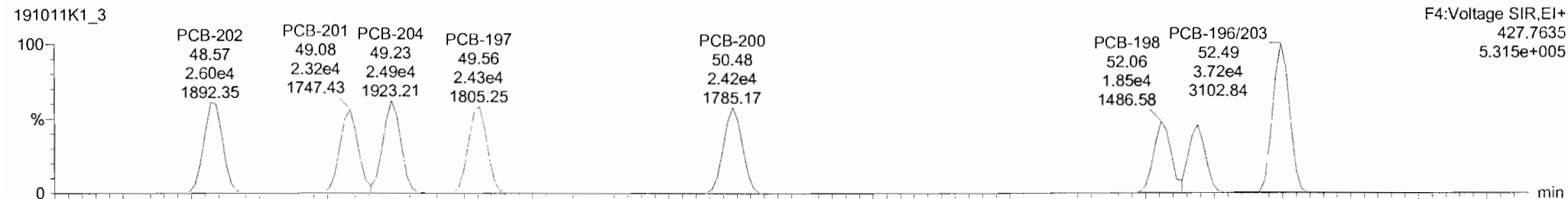


Dataset: Untitled

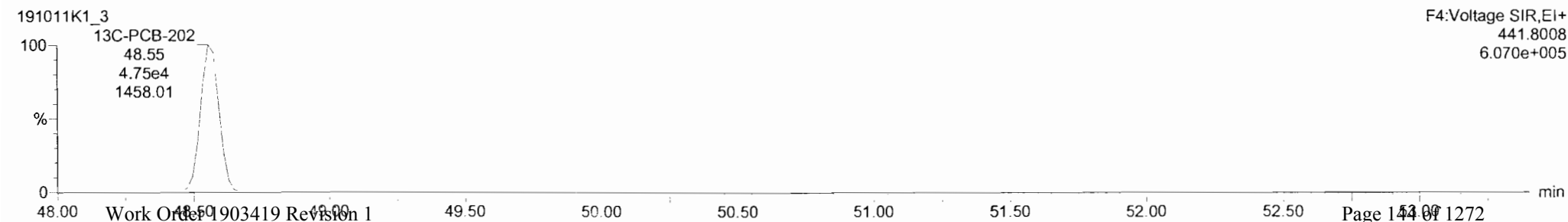
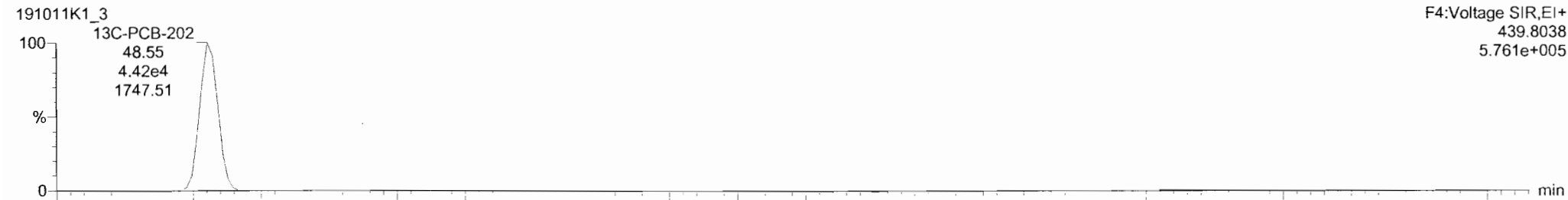
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
 Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-202



13C-PCB-202

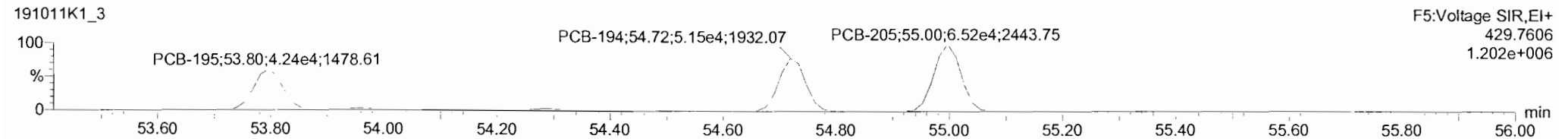
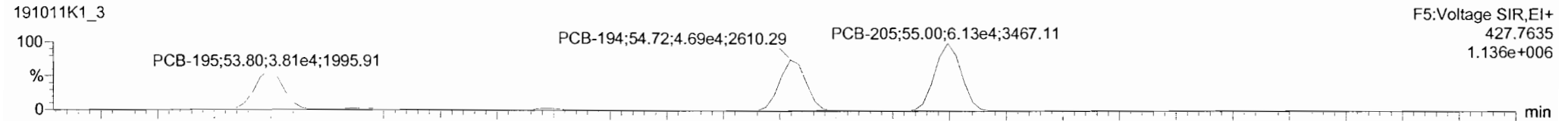


Dataset: Untitled

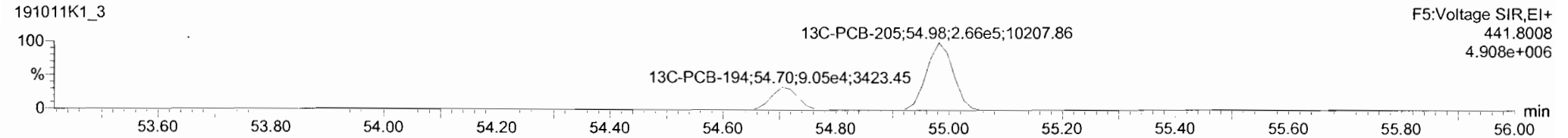
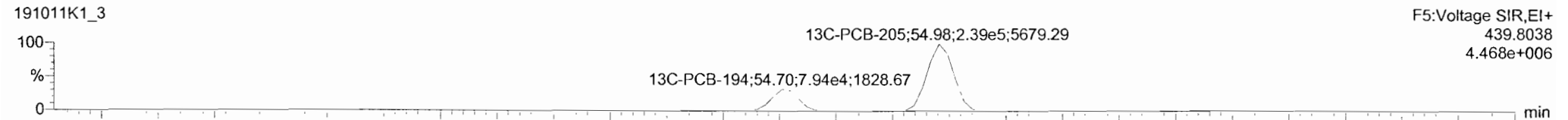
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

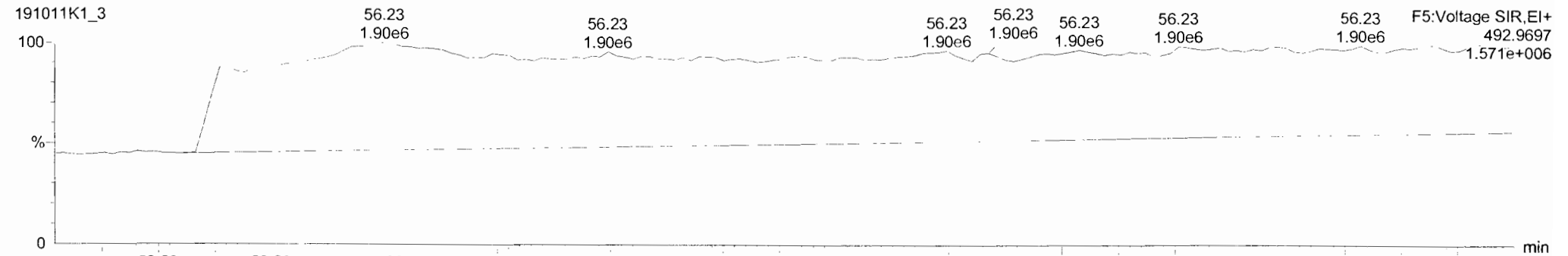
PCB-195



13C-PCB-194



PFK5



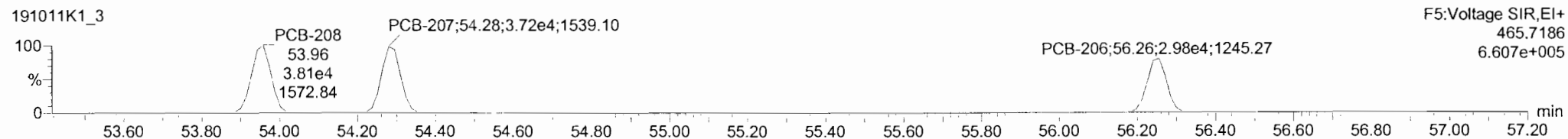
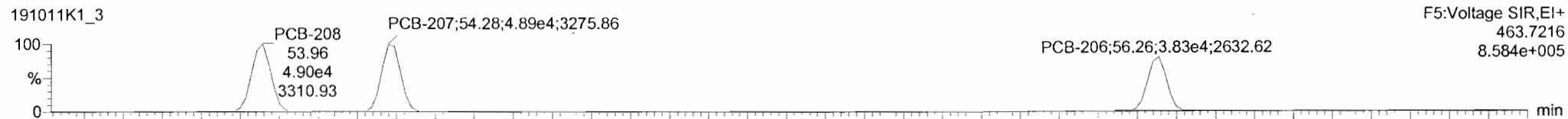
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

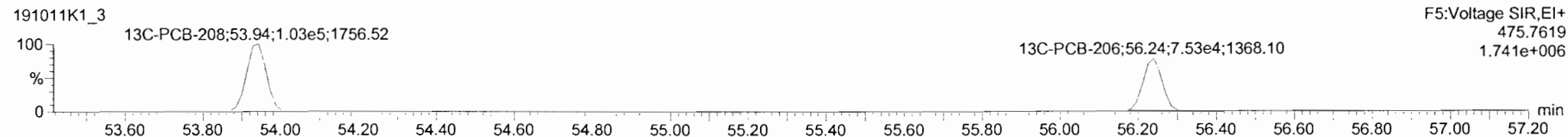
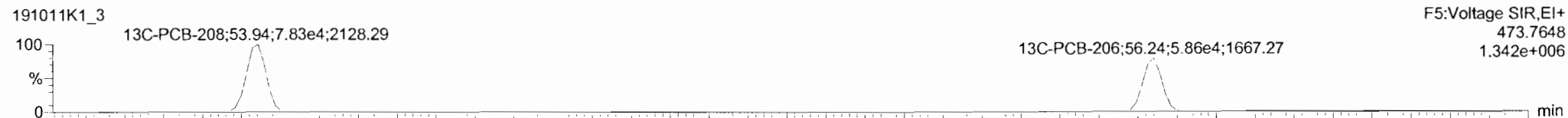
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

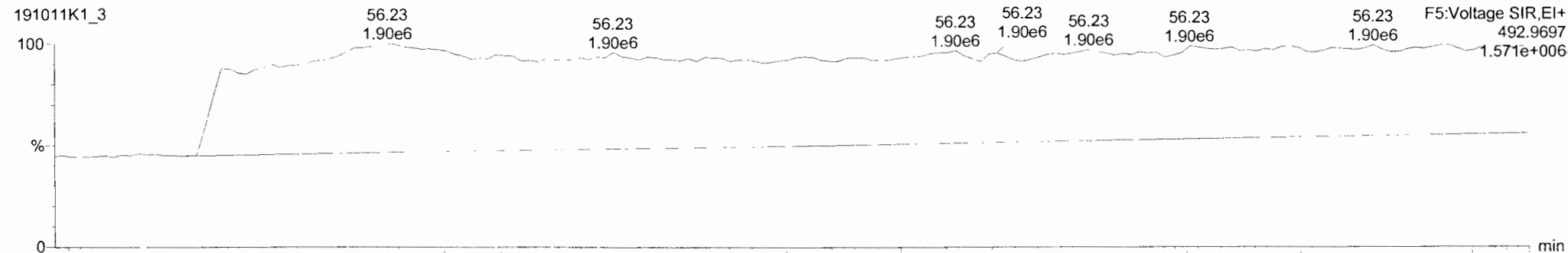
PCB-208



13C-PCB-208



PFK5



Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

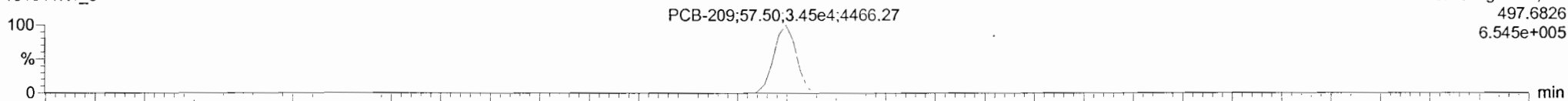
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_3, Date: 11-Oct-2019, Time: 18:49:50, ID: B9J0089-BS1 OPR 1, Description: OPR

PCB-209

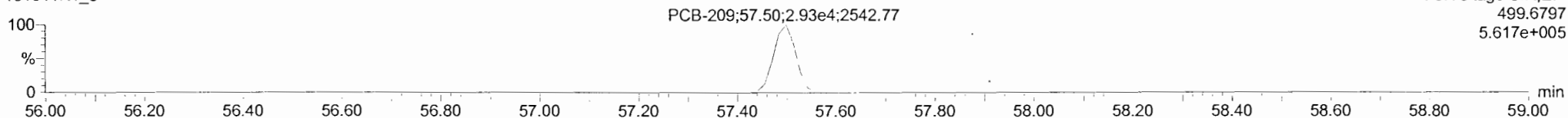
191011K1_3

F5:Voltage SIR,EI+
497.6826
6.545e+005



191011K1_3

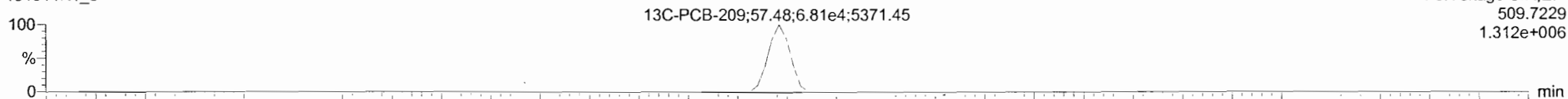
F5:Voltage SIR,EI+
499.6797
5.617e+005



13C-PCB-209

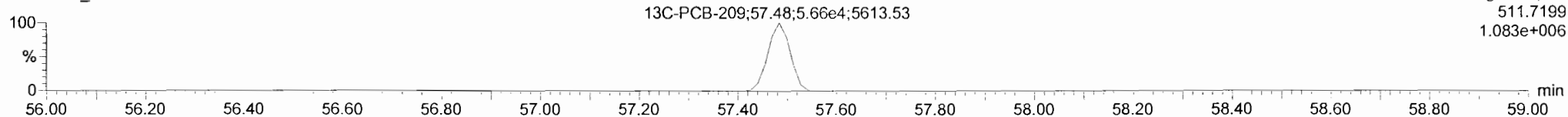
191011K1_3

F5:Voltage SIR,EI+
509.7229
1.312e+006



191011K1_3

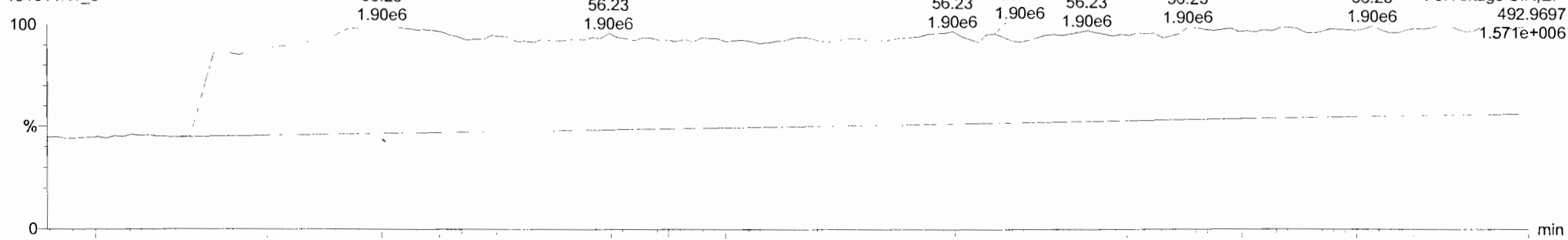
F5:Voltage SIR,EI+
511.7199
1.083e+006



PFK5

191011K1_3

F5:Voltage SIR,EI+
492.9697
1.571e+006



Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:16 Pacific Daylight Time

hr 10/17/19 *CT* 10/21/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

| # | 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 | 1.02 | 0.993 | 15.53 | | 1.001 | | YES | | | 0.486 | |
| 2 | 2 PCB-2 | | | NO | 1.01 | 0.993 | 17.94 | | 0.988 | | YES | | | 0.510 | |
| 3 | 3 PCB-3 | | | NO | 1.01 | 0.993 | 18.17 | | 1.001 | | YES | | | 0.511 | |
| 4 | 4 PCB-4/10 | | | NO | 1.28 | 0.993 | 19.59 | | 1.004 | | YES | | | 2.54 | |
| 5 | 5 PCB-7/9 | | | NO | 0.976 | 0.993 | 21.39 | | 1.003 | | YES | | | 2.13 | |
| 6 | 6 PCB-6 | | | NO | 1.02 | 0.993 | 22.04 | | 1.033 | | YES | | | 2.04 | |
| 7 | 7 PCB-5/8 | | | NO | 1.01 | 0.993 | 22.45 | | 1.052 | | YES | | | 2.06 | |
| 8 | 8 PCB-14 | | | NO | 1.03 | 0.993 | 23.60 | | 0.952 | | YES | | | 2.15 | |
| 9 | 9 PCB-11 | | | NO | 1.10 | 0.993 | 24.81 | | 1.001 | | YES | | | 2.03 | |
| 10 | 10 PCB-12/13 | | | NO | 1.04 | 0.993 | 25.24 | | 1.018 | | YES | | | 2.14 | |
| 11 | 11 PCB-15 | | | NO | 1.03 | 0.993 | 25.54 | | 1.030 | | YES | | | 2.16 | |
| 12 | 12 PCB-19 | | | NO | 0.934 | 0.993 | 23.77 | | 1.001 | | YES | | | 0.635 | |
| 13 | 13 PCB-30 | | | NO | 1.48 | 0.993 | 24.66 | | 1.039 | | YES | | | 0.401 | |
| 14 | 14 PCB-18 | 3.17e2 | 0.96 | NO | 0.693 | 0.993 | 25.46 | 25.45 | 0.952 | 0.952 | NO | 1.865 | | 0.583 | 1.865 |
| 15 | 15 PCB-17 | | | NO | 0.667 | 0.993 | 25.62 | | 0.958 | | YES | | | 0.606 | |
| 16 | 16 PCB-24/27 | | | NO | 0.915 | 0.993 | 26.23 | | 0.981 | | YES | | | 0.442 | |
| 17 | 17 PCB-16/32 | | | NO | 0.792 | 0.993 | 26.76 | | 1.001 | | YES | | | 0.510 | |
| 18 | 18 PCB-34 | | | NO | 0.987 | 0.993 | 27.57 | | 0.959 | | YES | | | 0.593 | |
| 19 | 19 PCB-23 | | | NO | 0.974 | 0.993 | 27.66 | | 0.962 | | YES | | | 0.601 | |
| 20 | 20 PCB-29 | | | NO | 0.953 | 0.993 | 27.93 | | 0.972 | | YES | | | 0.614 | |
| 21 | 21 PCB-26 | | | NO | 1.00 | 0.993 | 28.14 | | 0.979 | | YES | | | 0.585 | |
| 22 | 22 PCB-25 | | | NO | 0.978 | 0.993 | 28.31 | | 0.985 | | YES | | | 0.599 | |
| 23 | 23 PCB-31 | 3.58e2 | 0.83 | YES | 1.12 | 0.993 | 28.68 | 28.65 | 0.998 | 0.997 | NO | 1.793 | | 0.522 | 1.597 |
| 24 | 24 PCB-28 | 4.82e2 | 1.13 | NO | 1.11 | 0.993 | 28.76 | 28.77 | 1.001 | 1.001 | NO | 2.454 | | 0.530 | 2.454 |
| 25 | 25 PCB-20/21/33 | | | NO | 1.00 | 0.993 | 29.39 | | 1.022 | | YES | | | 0.584 | |
| 26 | 26 PCB-22 | | | NO | 1.03 | 0.993 | 29.86 | | 1.039 | | YES | | | 0.567 | |
| 27 | 27 PCB-36 | | | NO | 1.18 | 0.993 | 30.51 | | 0.932 | | YES | | | 0.559 | |
| 28 | 28 PCB-39 | | | NO | 1.08 | 0.993 | 30.98 | | 0.946 | | YES | | | 0.606 | |
| 29 | 29 PCB-38 | | | NO | 1.13 | 0.993 | 31.79 | | 0.971 | | YES | | | 0.583 | |
| 30 | 30 PCB-35 | | | NO | 1.13 | 0.993 | 32.33 | | 0.987 | | YES | | | 0.581 | |
| 31 | 31 PCB-37 | | | NO | 1.11 | 0.993 | 32.78 | | 1.001 | | YES | | | 0.594 | |
| 32 | 32 PCB-54 | | | NO | 0.996 | 0.993 | 27.61 | | 1.001 | | YES | | | 0.381 | |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time
 Printed: Thursday, October 17, 2019 09:46:16 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.R... | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|--------------------|--------|------|-----|-------|--------|---------|-------|-----------|-------|-----------|-------|------|-------|-------|
| 33 | 33 PCB-50 | | | NO | 0.781 | 0.993 | 28.81 | | 1.044 | | YES | | | 0.486 | |
| 34 | 34 PCB-53 | | | NO | 0.955 | 0.993 | 29.47 | | 0.943 | | YES | | | 0.494 | |
| 35 | 35 PCB-51 | | | NO | 1.02 | 0.993 | 29.82 | | 0.955 | | YES | | | 0.461 | |
| 36 | 36 PCB-45 | | | NO | 0.808 | 0.993 | 30.27 | | 0.969 | | YES | | | 0.584 | |
| 37 | 37 PCB-46 | | | NO | 0.754 | 0.993 | 30.77 | | 0.985 | | YES | | | 0.626 | |
| 38 | 38 PCB-52/69 | 3.02e2 | 1.18 | YES | 1.09 | 0.993 | 31.28 | 31.28 | 1.001 | 1.001 | NO | 1.785 | | 0.432 | 1.449 |
| 39 | 39 PCB-73 | | | NO | 1.29 | 0.993 | 31.40 | | 1.005 | | YES | | | 0.366 | |
| 40 | 40 PCB-43/49 | | | NO | 0.940 | 0.993 | 31.56 | | 1.010 | | YES | | | 0.502 | |
| 41 | 41 PCB-47 | 9.81e2 | 0.60 | YES | 0.869 | 0.993 | 31.78 | 31.78 | 1.001 | 1.001 | NO | 6.811 | | 0.516 | 5.892 |
| 42 | 42 PCB-48/75 | | | NO | 1.02 | 0.993 | 31.89 | | 1.004 | | YES | | | 0.438 | |
| 43 | 43 PCB-65 | | | NO | 1.11 | 0.993 | 32.16 | | 1.013 | | YES | | | 0.405 | |
| 44 | 44 PCB-62 | | | NO | 1.07 | 0.993 | 32.27 | | 1.016 | | YES | | | 0.421 | |
| 45 | 45 PCB-44 | | | NO | 0.761 | 0.993 | 32.61 | | 1.027 | | YES | | | 0.590 | |
| 46 | 46 PCB-42/59 | | | NO | 0.960 | 0.993 | 32.82 | | 1.033 | | YES | | | 0.467 | |
| 47 | 47 PCB-41/64/71/72 | | | NO | 1.08 | 0.993 | 33.44 | | 1.053 | | YES | | | 0.415 | |
| 48 | 48 PCB-68 | | | NO | 1.11 | 0.993 | 33.70 | | 1.061 | | YES | | | 0.405 | |
| 49 | 49 PCB-40 | | | NO | 0.577 | 0.993 | 33.93 | | 1.068 | | YES | | | 0.778 | |
| 50 | 50 PCB-57 | | | NO | 1.05 | 0.993 | 34.29 | | 0.969 | | YES | | | 0.381 | |
| 51 | 51 PCB-67 | | | NO | 0.993 | 0.993 | 34.62 | | 0.978 | | YES | | | 0.402 | |
| 52 | 52 PCB-58 | | | NO | 1.11 | 0.993 | 34.75 | | 0.982 | | YES | | | 0.359 | |
| 53 | 53 PCB-63 | | | NO | 0.962 | 0.993 | 34.90 | | 0.986 | | YES | | | 0.415 | |
| 54 | 54 PCB-74 | | | NO | 1.07 | 0.993 | 35.19 | | 0.994 | | YES | | | 0.374 | |
| 55 | 55 PCB-61/70 | 2.73e2 | 0.84 | NO | 0.986 | 0.993 | 35.41 | 35.39 | 1.000 | 1.000 | NO | 1.464 | | 0.405 | 1.464 |
| 56 | 56 PCB-76/66 | | | NO | 1.07 | 0.993 | 35.57 | | 1.005 | | YES | | | 0.374 | |
| 57 | 57 PCB-80 | | | NO | 1.08 | 0.993 | 35.84 | | 1.001 | | YES | | | 0.372 | |
| 58 | 58 PCB-55 | | | NO | 1.07 | 0.993 | 36.16 | | 1.010 | | YES | | | 0.377 | |
| 59 | 59 PCB-56/60 | | | NO | 0.934 | 0.993 | 36.66 | | 1.024 | | YES | | | 0.431 | |
| 60 | 60 PCB-79 | | | NO | 1.04 | 0.993 | 37.78 | | 1.055 | | YES | | | 0.386 | |
| 61 | 61 PCB-78 | | | NO | 1.03 | 0.993 | 38.50 | | 0.987 | | YES | | | 0.401 | |
| 62 | 62 PCB-81 | | | NO | 0.933 | 0.993 | 39.04 | | 1.000 | | YES | | | 0.444 | |
| 63 | 63 PCB-77 | | | NO | 1.03 | 0.993 | 39.65 | | 1.000 | | YES | | | 0.405 | |
| 64 | 64 PCB-104 | | | NO | 0.995 | 0.993 | 32.45 | | 1.001 | | YES | | | 0.632 | |
| 65 | 65 PCB-96 | | | NO | 0.996 | 0.993 | 33.74 | | 1.041 | | YES | | | 0.632 | |
| 66 | 66 PCB-103 | | | NO | 0.774 | 0.993 | 34.31 | | 1.058 | | YES | | | 0.812 | |
| 67 | 67 PCB-100 | | | NO | 0.778 | 0.993 | 34.68 | | 1.069 | | YES | | | 0.809 | |
| 68 | 68 PCB-94 | | | NO | 0.773 | 0.993 | 35.17 | | 0.985 | | YES | | | 1.03 | |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:16 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

| | # 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 | | | NO | 1.01 | 0.993 | 35.64 | | 0.999 | | YES | | | 0.783 | |
| 70 | 70 PCB-93 | | | NO | 0.841 | 0.993 | 35.77 | | 1.002 | | YES | | | 0.945 | |
| 71 | 71 PCB-88/91 | | | NO | 0.890 | 0.993 | 36.12 | | 1.012 | | YES | | | 0.894 | |
| 72 | 72 PCB-121 | | | NO | 1.39 | 0.993 | 36.21 | | 1.015 | | YES | | | 0.574 | |
| 73 | 73 PCB-84/92 | | | NO | 0.879 | 0.993 | 37.07 | | 0.990 | | YES | | | 0.927 | |
| 74 | 74 PCB-89 | | | NO | 0.959 | 0.993 | 37.28 | | 0.996 | | YES | | | 0.849 | |
| 75 | 75 PCB-90/101 | | | NO | 0.944 | 0.993 | 37.46 | | 1.000 | | YES | | | 0.863 | |
| 76 | 76 PCB-113 | | | NO | 1.23 | 0.993 | 37.70 | | 1.007 | | YES | | | 0.662 | |
| 77 | 77 PCB-99 | | | NO | 1.12 | 0.993 | 37.80 | | 1.010 | | YES | | | 0.728 | |
| 78 | 78 PCB-119 | | | NO | 1.47 | 0.993 | 38.27 | | 0.987 | | YES | | | 0.648 | |
| 79 | 79 PCB-108/112 | | | NO | 1.25 | 0.993 | 38.43 | | 0.991 | | YES | | | 0.764 | |
| 80 | 80 PCB-83 | | | NO | 1.55 | 0.993 | 38.60 | | 0.996 | | YES | | | 0.617 | |
| 81 | 81 PCB-97 | | | NO | 1.07 | 0.993 | 38.82 | | 1.001 | | YES | | | 0.887 | |
| 82 | 82 PCB-86 | | | NO | 0.996 | 0.993 | 38.96 | | 1.005 | | YES | | | 0.958 | |
| 83 | 83 PCB-87/117/125 | | | NO | 1.33 | 0.993 | 39.07 | | 1.008 | | YES | | | 0.716 | |
| 84 | 84 PCB-111/115 | | | NO | 1.60 | 0.993 | 39.24 | | 1.012 | | YES | | | 0.596 | |
| 85 | 85 PCB-85/116 | | | NO | 1.22 | 0.993 | 39.36 | | 1.015 | | YES | | | 0.785 | |
| 86 | 86 PCB-120 | | | NO | 1.68 | 0.993 | 39.63 | | 1.022 | | YES | | | 0.568 | |
| 87 | 87 PCB-110 | | | NO | 1.49 | 0.993 | 39.77 | | 1.026 | | YES | | | 0.642 | |
| 88 | 88 PCB-82 | | | NO | 0.674 | 0.993 | 40.41 | | 0.975 | | YES | | | 1.03 | |
| 89 | 89 PCB-124 | | | NO | 1.16 | 0.993 | 41.15 | | 0.993 | | YES | | | 0.599 | |
| 90 | 90 PCB-107/109 | | | NO | 1.17 | 0.993 | 41.29 | | 0.996 | | YES | | | 0.598 | |
| 91 | 91 PCB-123 | | | NO | 1.04 | 0.993 | 41.46 | | 1.000 | | YES | | | 0.670 | |
| 92 | 92 PCB-106/118 | | | NO | 1.07 | 0.993 | 41.66 | | 1.001 | | YES | | | 0.626 | |
| 93 | 93 PCB-114 | | | NO | 1.16 | 0.993 | 42.32 | | 1.000 | | YES | | | 0.731 | |
| 94 | 94 PCB-122 | | | NO | 0.973 | 0.993 | 42.45 | | 1.003 | | YES | | | 0.873 | |
| 95 | 95 PCB-105 | | | NO | 1.10 | 0.993 | 43.21 | | 1.000 | | YES | | | 0.757 | |
| 96 | 96 PCB-127 | | | NO | 1.11 | 0.993 | 43.55 | | 1.000 | | YES | | | 0.695 | |
| 97 | 97 PCB-126 | | | NO | 1.21 | 0.993 | 45.50 | | 1.000 | | YES | | | 0.770 | |
| 98 | 98 PCB-155 | | | NO | 0.874 | 0.993 | 36.99 | | 1.000 | | YES | | | 0.449 | |
| 99 | 99 PCB-150 | | | NO | 0.881 | 0.993 | 38.29 | | 1.036 | | YES | | | 0.445 | |
| 100 | 1... PCB-152 | | | NO | 1.00 | 0.993 | 38.78 | | 1.049 | | YES | | | 0.390 | |
| 101 | 1... PCB-145 | | | NO | 1.00 | 0.993 | 39.22 | | 1.061 | | YES | | | 0.392 | |
| 102 | 1... PCB-136 | | | NO | 0.843 | 0.993 | 39.58 | | 1.071 | | YES | | | 0.465 | |
| 103 | 1... PCB-148 | | | NO | 0.693 | 0.993 | 39.69 | | 1.073 | | YES | | | 0.566 | |
| 104 | 1... PCB-154 | | | NO | 0.724 | 0.993 | 40.18 | | 1.087 | | YES | | | 0.542 | |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:16 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

| # | 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 | 0.632 | 0.993 | 40.85 | | 1.105 | | YES | | | 0.620 | |
| 106 | 1... PCB-135 | | | NO | 0.716 | 0.993 | 41.08 | | 1.111 | | YES | | | 0.548 | |
| 107 | 1... PCB-144 | | | NO | 0.667 | 0.993 | 41.18 | | 1.114 | | YES | | | 0.588 | |
| 108 | 1... PCB-147 | | | NO | 0.661 | 0.993 | 41.31 | | 1.117 | | YES | | | 0.593 | |
| 109 | 1... PCB-139/149 | | | NO | 0.738 | 0.993 | 41.59 | | 1.125 | | YES | | | 0.531 | |
| 110 | 1... PCB-140 | | | NO | 0.627 | 0.993 | 41.78 | | 1.130 | | YES | | | 0.625 | |
| 111 | 1... PCB-134/143 | | | NO | 0.733 | 0.993 | 42.27 | | 0.975 | | YES | | | 0.724 | |
| 112 | 1... PCB-131/133 | | | NO | 0.790 | 0.993 | 42.56 | | 0.982 | | YES | | | 0.672 | |
| 113 | 1... PCB-142 | | | NO | 0.708 | 0.993 | 42.71 | | 0.985 | | YES | | | 0.750 | |
| 114 | 1... PCB-146/165 | | | NO | 0.959 | 0.993 | 42.96 | | 0.991 | | YES | | | 0.553 | |
| 115 | 1... PCB-132/161 | | | NO | 0.974 | 0.993 | 43.20 | | 0.996 | | YES | | | 0.545 | |
| 116 | 1... PCB-153 | 1.54e2 | 1.53 | YES | 1.01 | 0.993 | 43.38 | 43.36 | 1.000 | 1.000 | NO | 1.042 | | 0.254 | 0.9243 |
| 117 | 1... PCB-168 | | | NO | 1.02 | 0.993 | 43.61 | | 1.006 | | YES | | | 0.521 | |
| 118 | 1... PCB-141 | | | NO | 0.967 | 0.993 | 44.14 | | 1.000 | | YES | | | 0.653 | |
| 119 | 1... PCB-137 | | | NO | 0.987 | 0.993 | 44.52 | | 1.009 | | YES | | | 0.640 | |
| 120 | 1... PCB-130 | | | NO | 0.840 | 0.993 | 44.63 | | 1.012 | | YES | | | 0.752 | |
| 121 | 1... PCB-138/163/164 | | | NO | 1.23 | 0.993 | 45.01 | | 1.001 | | YES | | | 0.501 | |
| 122 | 1... PCB-158/160 | | | NO | 1.18 | 0.993 | 45.25 | | 1.006 | | YES | | | 0.521 | |
| 123 | 1... PCB-129 | | | NO | 0.819 | 0.993 | 45.50 | | 1.012 | | YES | | | 0.750 | |
| 124 | 1... PCB-166 | | | NO | 1.07 | 0.993 | 46.00 | | 0.993 | | YES | | | 0.507 | |
| 125 | 1... PCB-159 | | | NO | 1.12 | 0.993 | 46.33 | | 1.000 | | YES | | | 0.485 | |
| 126 | 1... PCB-128/162 | | | NO | 0.851 | 0.993 | 46.62 | | 1.007 | | YES | | | 0.638 | |
| 127 | 1... PCB-167 | | | NO | 1.04 | 0.993 | 47.04 | | 1.000 | | YES | | | 0.497 | |
| 128 | 1... PCB-156 | | | NO | 1.06 | 0.993 | 48.36 | | 1.000 | | YES | | | 0.499 | |
| 129 | 1... PCB-157 | | | NO | 0.978 | 0.993 | 48.65 | | 1.001 | | YES | | | 0.543 | |
| 130 | 1... PCB-169 | | | NO | 1.11 | 0.993 | 50.90 | | 1.000 | | YES | | | 0.500 | |
| 131 | 1... PCB-188 | | | NO | 1.19 | 0.993 | 43.00 | | 1.001 | | YES | | | 0.358 | |
| 132 | 1... PCB-184 | | | NO | 1.17 | 0.993 | 43.44 | | 1.011 | | YES | | | 0.366 | |
| 133 | 1... PCB-179 | | | NO | 1.18 | 0.993 | 44.25 | | 1.030 | | YES | | | 0.364 | |
| 134 | 1... PCB-176 | | | NO | 1.16 | 0.993 | 44.72 | | 1.041 | | YES | | | 0.369 | |
| 135 | 1... PCB-186 | | | NO | 1.22 | 0.993 | 45.33 | | 1.055 | | YES | | | 0.351 | |
| 136 | 1... PCB-178 | | | NO | 0.830 | 0.993 | 45.84 | | 1.067 | | YES | | | 0.515 | |
| 137 | 1... PCB-175 | | | NO | 0.849 | 0.993 | 46.20 | | 1.075 | | YES | | | 0.504 | |
| 138 | 1... PCB-182/187 | | | NO | 0.960 | 0.993 | 46.40 | | 1.080 | | YES | | | 0.445 | |
| 139 | 1... PCB-183 | | | NO | 0.957 | 0.993 | 46.73 | | 1.088 | | YES | | | 0.447 | |
| 140 | 1... PCB-185 | | | NO | 1.32 | 0.993 | 47.43 | | 0.955 | | YES | | | 0.477 | |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time
 Printed: Thursday, October 17, 2019 09:46:16 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

| | # Name | Resp | RA | n/y | RRF | w/vol | Pred.RT | RT | Pred.R... | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|-------|---------|-------|-----------|-------|-----------|--------|------|-------|--------|
| 141 | 1... PCB-174 | | | NO | 1.22 | 0.993 | 47.80 | | 0.962 | | YES | | | 0.517 | |
| 142 | 1... PCB-181 | | | NO | 1.41 | 0.993 | 47.90 | | 0.964 | | YES | | | 0.445 | |
| 143 | 1... PCB-177 | | | NO | 1.24 | 0.993 | 48.08 | | 0.968 | | YES | | | 0.507 | |
| 144 | 1... PCB-171 | | | NO | 1.24 | 0.993 | 48.37 | | 0.974 | | YES | | | 0.507 | |
| 145 | 1... PCB-173 | | | NO | 1.14 | 0.993 | 48.81 | | 0.983 | | YES | | | 0.551 | |
| 146 | 1... PCB-172 | | | NO | 1.31 | 0.993 | 49.29 | | 0.992 | | YES | | | 0.482 | |
| 147 | 1... PCB-192 | | | NO | 1.70 | 0.993 | 49.48 | | 0.996 | | YES | | | 0.370 | |
| 148 | 1... PCB-180 | | | NO | 1.32 | 0.993 | 49.69 | | 1.000 | | YES | | | 0.477 | |
| 149 | 1... PCB-193 | | | NO | 1.54 | 0.993 | 49.92 | | 1.005 | | YES | | | 0.409 | |
| 150 | 1... PCB-191 | | | NO | 1.57 | 0.993 | 50.16 | | 1.010 | | YES | | | 0.400 | |
| 151 | 1... PCB-170 | | | NO | 1.36 | 0.993 | 51.36 | | 1.000 | | YES | | | 0.539 | |
| 152 | 1... PCB-190 | | | NO | 1.84 | 0.993 | 51.54 | | 1.004 | | YES | | | 0.399 | |
| 153 | 1... PCB-189 | | | NO | 1.33 | 0.993 | 53.10 | | 1.000 | | YES | | | 0.348 | |
| 154 | 1... PCB-202 | | | NO | 1.02 | 0.993 | 48.59 | | 1.001 | | YES | | | 0.234 | |
| 155 | 1... PCB-201 | | | NO | 0.915 | 0.993 | 49.08 | | 1.011 | | YES | | | 0.262 | |
| 156 | 1... PCB-204 | | | NO | 0.979 | 0.993 | 49.22 | | 1.014 | | YES | | | 0.245 | |
| 157 | 1... PCB-197 | | | NO | 0.979 | 0.993 | 49.54 | | 1.020 | | YES | | | 0.245 | |
| 158 | 1... PCB-200 | | | NO | 0.954 | 0.993 | 50.49 | | 1.040 | | YES | | | 0.251 | |
| 159 | 1... PCB-198 | | | NO | 0.748 | 0.993 | 52.04 | | 1.072 | | YES | | | 0.320 | |
| 160 | 1... PCB-199 | | | NO | 0.706 | 0.993 | 52.16 | | 1.074 | | YES | | | 0.340 | |
| 161 | 1... PCB-196/203 | | | NO | 0.785 | 0.993 | 52.48 | | 1.081 | | YES | | | 0.305 | |
| 162 | 1... PCB-195 | | | NO | 1.03 | 0.993 | 53.80 | | 0.984 | | YES | | | 0.369 | |
| 163 | 1... PCB-194 | 8.09e1 | 0.47 | YES | 1.16 | 0.993 | 54.72 | 54.70 | 1.000 | 1.000 | NO | 0.6871 | | 0.108 | 0.4649 |
| 164 | 1... PCB-205 | | | NO | 1.40 | 0.993 | 54.98 | | 1.005 | | YES | | | 0.272 | |
| 165 | 1... PCB-208 | | | NO | 0.934 | 0.993 | 53.95 | | 1.000 | | YES | | | 0.208 | |
| 166 | 1... PCB-207 | | | NO | 0.912 | 0.993 | 54.26 | | 1.006 | | YES | | | 0.214 | |
| 167 | 1... PCB-206 | | | NO | 0.987 | 0.993 | 56.24 | | 1.000 | | YES | | | 0.235 | |
| 168 | 1... PCB-209 | | | NO | 0.943 | 0.993 | 57.48 | | 1.000 | | YES | | | 0.270 | |
| 169 | 1... 13C-PCB-1 | 4.83e5 | 3.29 | NO | 1.08 | 0.993 | 15.52 | 15.52 | 0.608 | 0.608 | NO | 856.1 | 42.5 | 2.74 | |
| 170 | 1... 13C-PCB-3 | 5.02e5 | 3.07 | NO | 1.09 | 0.993 | 18.17 | 18.16 | 0.712 | 0.712 | NO | 878.4 | 43.6 | 2.70 | |
| 171 | 1... 13C-PCB-4 | 3.01e5 | 1.56 | NO | 0.640 | 0.993 | 19.52 | 19.51 | 0.765 | 0.765 | NO | 899.4 | 44.6 | 0.758 | |
| 172 | 1... 13C-PCB-9 | 4.64e5 | 1.63 | NO | 0.995 | 0.993 | 21.35 | 21.33 | 0.837 | 0.836 | NO | 889.3 | 44.1 | 0.487 | |
| 173 | 1... 13C-PCB-11 | 4.65e5 | 1.57 | NO | 0.971 | 0.993 | 24.80 | 24.79 | 0.972 | 0.972 | NO | 914.6 | 45.4 | 0.499 | |
| 174 | 1... 13C-PCB-19 | 3.34e5 | 0.96 | NO | 0.637 | 0.993 | 23.75 | 23.74 | 0.931 | 0.930 | NO | 1002 | 49.7 | 7.17 | |
| 175 | 1... 13C-PCB-32 | 4.94e5 | 0.97 | NO | 0.910 | 0.993 | 26.75 | 26.74 | 1.048 | 1.048 | NO | 1037 | 51.5 | 5.02 | |
| 176 | 1... 13C-PCB-28 | 3.58e5 | 0.97 | NO | 1.07 | 0.993 | 28.74 | 28.75 | 1.004 | 1.004 | NO | 791.7 | 39.3 | 6.15 | |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:16 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

| | # 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 | 3.67e5 | 0.98 | NO | 0.959 | 0.993 | 32.72 | 32.75 | 1.143 | 1.144 | NO | 905.4 | 44.9 | 6.85 | |
| 178 | 1... 13C-PCB-54 | 3.96e5 | 0.73 | NO | 1.10 | 0.993 | 27.59 | 27.59 | 0.753 | 0.753 | NO | 869.4 | 43.2 | 1.42 | |
| 179 | 1... 13C-PCB-52 | 3.12e5 | 0.73 | NO | 0.844 | 0.993 | 31.25 | 31.24 | 0.853 | 0.852 | NO | 892.9 | 44.3 | 1.85 | |
| 180 | 1... 13C-PCB-47 | 3.34e5 | 0.72 | NO | 0.893 | 0.993 | 31.77 | 31.76 | 0.867 | 0.866 | NO | 902.5 | 44.8 | 1.75 | |
| 181 | 1... 13C-PCB-70 | 3.82e5 | 0.74 | NO | 1.01 | 0.993 | 35.39 | 35.39 | 0.965 | 0.965 | NO | 914.6 | 45.4 | 1.55 | |
| 182 | 1... 13C-PCB-80 | 3.93e5 | 0.76 | NO | 1.05 | 0.993 | 35.82 | 35.82 | 0.977 | 0.977 | NO | 908.0 | 45.1 | 1.49 | |
| 183 | 1... 13C-PCB-81 | 3.79e5 | 0.74 | NO | 0.985 | 0.993 | 39.02 | 39.02 | 1.064 | 1.064 | NO | 928.0 | 46.1 | 1.58 | |
| 184 | 1... 13C-PCB-77 | 3.81e5 | 0.75 | NO | 0.958 | 0.993 | 39.63 | 39.63 | 1.081 | 1.081 | NO | 958.2 | 47.6 | 1.63 | |
| 185 | 1... 13C-PCB-104 | 4.47e5 | 1.56 | NO | 1.10 | 0.993 | 32.45 | 32.43 | 0.827 | 0.826 | NO | 896.8 | 44.5 | 0.347 | |
| 186 | 1... 13C-PCB-95 | 3.59e5 | 1.58 | NO | 0.852 | 0.993 | 35.70 | 35.69 | 0.910 | 0.909 | NO | 926.8 | 46.0 | 0.447 | |
| 187 | 1... 13C-PCB-101 | 3.44e5 | 1.59 | NO | 0.814 | 0.993 | 37.44 | 37.44 | 0.954 | 0.954 | NO | 930.7 | 46.2 | 0.468 | |
| 188 | 1... 13C-PCB-97 | 3.03e5 | 1.64 | NO | 0.709 | 0.993 | 38.79 | 38.78 | 0.989 | 0.988 | NO | 942.1 | 46.8 | 0.537 | |
| 189 | 1... 13C-PCB-123 | 4.21e5 | 1.55 | NO | 0.922 | 0.993 | 41.44 | 41.44 | 1.056 | 1.056 | NO | 1005 | 49.9 | 0.414 | |
| 190 | 1... 13C-PCB-118 | 4.35e5 | 1.63 | NO | 0.975 | 0.993 | 41.62 | 41.62 | 1.061 | 1.061 | NO | 983.3 | 48.8 | 0.391 | |
| 191 | 1... 13C-PCB-114 | 2.58e5 | 1.47 | NO | 1.52 | 0.993 | 42.29 | 42.30 | 0.908 | 0.908 | NO | 725.8 | 36.0 | 0.921 | |
| 192 | 1... 13C-PCB-105 | 2.72e5 | 1.59 | NO | 1.58 | 0.993 | 43.18 | 43.19 | 0.927 | 0.927 | NO | 734.2 | 36.4 | 0.884 | |
| 193 | 1... 13C-PCB-127 | 2.88e5 | 1.57 | NO | 1.62 | 0.993 | 43.52 | 43.53 | 0.934 | 0.935 | NO | 759.4 | 37.7 | 0.863 | |
| 194 | 1... 13C-PCB-126 | 2.49e5 | 1.55 | NO | 1.45 | 0.993 | 45.49 | 45.48 | 0.976 | 0.976 | NO | 736.9 | 36.6 | 0.969 | |
| 195 | 1... 13C-PCB-155 | 4.43e5 | 1.26 | NO | 1.03 | 0.993 | 36.99 | 36.97 | 0.943 | 0.942 | NO | 950.3 | 47.2 | 0.294 | |
| 196 | 1... 13C-PCB-153 | 2.95e5 | 1.24 | NO | 1.42 | 0.993 | 43.35 | 43.36 | 0.931 | 0.931 | NO | 885.5 | 44.0 | 0.899 | |
| 197 | 1... 13C-PCB-141 | 2.43e5 | 1.25 | NO | 1.14 | 0.993 | 44.10 | 44.12 | 0.947 | 0.947 | NO | 909.0 | 45.1 | 1.12 | |
| 198 | 1... 13C-PCB-138 | 2.57e5 | 1.26 | NO | 1.18 | 0.993 | 44.98 | 44.97 | 0.966 | 0.965 | NO | 931.0 | 46.2 | 1.08 | |
| 199 | 1... 13C-PCB-159 | 3.03e5 | 1.24 | NO | 1.43 | 0.993 | 46.29 | 46.32 | 0.994 | 0.994 | NO | 904.5 | 44.9 | 0.893 | |
| 200 | 2... 13C-PCB-167 | 3.07e5 | 1.24 | NO | 1.42 | 0.993 | 47.01 | 47.02 | 1.009 | 1.009 | NO | 920.7 | 45.7 | 0.899 | |
| 201 | 2... 13C-PCB-156 | 2.99e5 | 1.24 | NO | 1.40 | 0.993 | 48.31 | 48.34 | 1.037 | 1.038 | NO | 913.7 | 45.4 | 0.916 | |
| 202 | 2... 13C-PCB-157 | 3.07e5 | 1.25 | NO | 1.41 | 0.993 | 48.61 | 48.61 | 1.044 | 1.044 | NO | 932.8 | 46.3 | 0.910 | |
| 203 | 2... 13C-PCB-169 | 3.02e5 | 1.21 | NO | 1.35 | 0.993 | 50.88 | 50.88 | 1.092 | 1.092 | NO | 958.9 | 47.6 | 0.951 | |
| 204 | 2... 13C-PCB-188 | 3.35e5 | 0.43 | NO | 1.46 | 0.993 | 43.00 | 42.96 | 0.927 | 0.926 | NO | 925.2 | 45.9 | 0.796 | |
| 205 | 2... 13C-PCB-180 | 2.32e5 | 0.43 | NO | 0.932 | 0.993 | 49.67 | 49.67 | 1.070 | 1.070 | NO | 1004 | 49.8 | 1.25 | |
| 206 | 2... 13C-PCB-170 | 2.01e5 | 0.44 | NO | 0.796 | 0.993 | 51.34 | 51.34 | 1.106 | 1.106 | NO | 1021 | 50.7 | 1.46 | |
| 207 | 2... 13C-PCB-189 | 2.80e5 | 0.42 | NO | 1.09 | 0.993 | 53.05 | 53.08 | 1.143 | 1.144 | NO | 1037 | 51.5 | 1.07 | |
| 208 | 2... 13C-PCB-202 | 3.72e5 | 0.94 | NO | 1.45 | 0.993 | 48.54 | 48.55 | 1.042 | 1.042 | NO | 1035 | 51.4 | 0.381 | |
| 209 | 2... 13C-PCB-194 | 2.05e5 | 0.88 | NO | 0.714 | 0.993 | 54.71 | 54.70 | 0.995 | 0.995 | NO | 931.3 | 46.2 | 0.783 | |
| 210 | 2... 13C-PCB-208 | 2.75e5 | 0.77 | NO | 0.896 | 0.993 | 53.96 | 53.93 | 0.982 | 0.981 | NO | 994.9 | 49.4 | 0.685 | |
| 211 | 2... 13C-PCB-206 | 2.23e5 | 0.81 | NO | 0.653 | 0.993 | 56.22 | 56.22 | 1.023 | 1.023 | NO | 1107 | 55.0 | 0.940 | |
| 212 | 2... 13C-PCB-209 | 2.81e5 | 1.21 | NO | 0.806 | 0.993 | 57.48 | 57.48 | 1.045 | 1.046 | NO | 1130 | 56.1 | 0.234 | |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time
Printed: Thursday, October 17, 2019 09:46:16 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

| # | Name | Resp | RA | n/y | RRF | w/vol | Pred.RT | RT | Pred.R... | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------------------|--------|------|-----|-------|-------|---------|-------|-----------|-------|-----------|--------|---------|----------|--------|
| 213 | 2... 13C-PCB-15 | 1.06e6 | 1.57 | NO | 1.00 | 0.993 | 25.49 | 25.51 | 1.000 | 0.000 | NO | 2015 | 100 | 0.485 | |
| 214 | 2... 13C-PCB-31 | 8.52e5 | 0.96 | NO | 1.00 | 0.993 | 28.64 | 28.64 | 1.000 | 0.000 | NO | 2015 | 100 | 6.58 | |
| 215 | 2... 13C-PCB-60 | 8.35e5 | 0.75 | NO | 1.00 | 0.993 | 36.66 | 36.65 | 1.000 | 0.000 | NO | 2015 | 100 | 1.56 | |
| 216 | 2... 13C-PCB-111 | 9.15e5 | 1.55 | NO | 1.00 | 0.993 | 39.22 | 39.24 | 1.000 | 0.000 | NO | 2015 | 100 | 0.381 | |
| 217 | 2... 13C-PCB-128 | 4.71e5 | 1.25 | NO | 1.00 | 0.993 | 46.58 | 46.58 | 1.000 | 0.000 | NO | 2015 | 100 | 1.28 | |
| 218 | 2... 13C-PCB-182 | 4.99e5 | 0.44 | NO | 1.00 | 0.993 | 46.41 | 46.41 | 0.000 | 0.000 | NO | 2015 | 100 | 1.16 | |
| 219 | 2... 13C-PCB-205 | 6.22e5 | 0.89 | NO | 1.00 | 0.993 | 54.98 | 54.98 | 1.000 | 0.000 | NO | 2015 | 100 | 0.558 | |
| 220 | 2... 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.03 | 0.993 | 37.75 | 37.77 | 1.030 | 1.030 | NO | 960.4 | 47.7 | 1.51 | |
| 221 | 2... 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.875 | 0.993 | 45.86 | 45.84 | 0.988 | 0.988 | NO | 1117 | 55.5 | 1.40 | |
| 222 | 2... 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.05 | 0.993 | 37.75 | 37.77 | 0.967 | 0.968 | NO | 2092 | 104 | 3.24 | |
| 223 | 2... 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.975 | 0.993 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 2038 | 101 | 2.62 | |
| 224 | 2... Total Mono-PCBs | | | | 1.01 | 0.993 | 0.00 | | 0.000 | | NO | | | 1510.511 | |
| 225 | 2... Total Di-PCBs | | | | 1.06 | 0.993 | 0.00 | | 0.000 | | NO | | | 1722.54 | |
| 226 | 2... 2nd Function Tri-PCBs | | | | 0.914 | 0.993 | 0.00 | | 0.000 | | NO | 1.865 | > 4.319 | 3.18 | 1.865 |
| 227 | 2... 3rd Function Tri-PCBs | | | | 1.06 | 0.993 | 0.00 | | 0.000 | | NO | 2.454 | | 8.12 | 4.050 |
| 228 | 2... Total Tetra-PCBs | | | | 0.986 | 0.993 | 0.00 | | 0.000 | | NO | 1.464 | | 14.2 | 8.805 |
| 229 | 2... 3rd Function Penta-PCBs | | | | 1.12 | 0.993 | 0.00 | | 0.000 | | NO | | | 27.8 | |
| 230 | 2... 4th Function Penta-PCBs | | | | 1.11 | 0.993 | 0.00 | | 0.000 | | NO | | | 3.83 | > 1.03 |
| 231 | 2... 3rd Function Hexa-PCBs | | | | 0.774 | 0.993 | 0.00 | | 0.000 | | NO | | | 0.76 | |
| 232 | 2... 4th Function Hexa-PCBs | | | | 0.972 | 0.993 | 0.00 | | 0.000 | | NO | 0.0000 | | 17.5 | 0.9243 |
| 233 | 2... Total Hepta-PCBs | | | | 1.26 | 0.993 | 0.00 | | 0.000 | | NO | | | 10.1 | 0.539 |
| 234 | 2... 4th Function Octa-PCBs | | | | 0.886 | 0.993 | 0.00 | | 0.000 | | NO | | | 2.20 | |
| 235 | 2... 5th Function Octa-PCBs | | | | 1.20 | 0.993 | 0.00 | | 0.000 | | NO | 0.0000 | | 0.749 | 0.4649 |
| 236 | 2... Total Nona-PCBs | | | | 0.945 | 0.993 | 0.00 | | 0.000 | | NO | | | 0.657 | 0.235 |
| 237 | 2... Deca-CB | | | | 0.943 | 0.993 | 0.00 | | 0.000 | | NO | | | 0.270 | |
| 238 | 2... Total PCBs | | | | | | | | | | | | | | |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:47 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
 Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

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 | PCB-18 | 25.46 | 25.45 | 2.531e3 | 2.178e3 | 1.552e2 | 1.619e2 | 0.96 | NO | 3.172e2 | 1.8649 | 1.8649 | 0.583 |

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-31 | 28.68 | 28.65 | 2.557e3 | 1.922e3 | 1.624e2 | 1.952e2 | 0.83 | YES | 3.577e2 | 0.00000 | 1.5969 | 0.522 |
| 2 | PCB-28 | 28.76 | 28.77 | 3.732e3 | 2.671e3 | 2.558e2 | 2.262e2 | 1.13 | NO | 4.820e2 | 2.4535 | 2.4535 | 0.530 |

Total Tetra-PCBs

| | Name | Pred.R... | RT | m1 Height | m2 Height | m1 Resp | m2 Resp | RA | n/y | Resp | Conc. | EMPC | DL |
|---|-----------|-----------|-------|-----------|-----------|---------|---------|------|-----|---------|---------|--------|-------|
| 1 | PCB-52/69 | 31.28 | 31.28 | 1.977e3 | 1.349e3 | 1.636e2 | 1.386e2 | 1.18 | YES | 3.022e2 | 0.00000 | 1.4493 | 0.432 |
| 2 | PCB-47 | 31.78 | 31.78 | 5.060e3 | 8.136e3 | 3.693e2 | 6.118e2 | 0.60 | YES | 9.811e2 | 0.00000 | 5.8924 | 0.516 |
| 3 | PCB-61/70 | 35.41 | 35.39 | 1.740e3 | 1.845e3 | 1.250e2 | 1.484e2 | 0.84 | NO | 2.734e2 | 1.4635 | 1.4635 | 0.405 |

3rd Function Penta-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\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:47 Pacific Daylight Time

ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

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 | | | | | | | | | | | | | |

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-153 | 43.38 | 43.36 | 1.578e3 | 7.400e2 | 9.333e1 | 6.115e1 | 1.53 | YES | 1.545e2 | 0.00000 | 0.92429 | 0.254 |

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 | 54.72 | 54.70 | 4.760e2 | 1.118e3 | 2.577e1 | 5.510e1 | 0.47 | YES | 8.087e1 | 0.00000 | 0.46489 | 0.108 |

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\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:47 Pacific Daylight Time

ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

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 | 15.52 | 15.52 | 6.690e6 | 2.000e6 | 3.705e5 | 1.126e5 | 3.29 | NO | 4.831e5 | 856.05 | | 2.74 |
| 2 | 13C-PCB-3 | 18.17 | 18.16 | 6.343e6 | 2.118e6 | 3.787e5 | 1.232e5 | 3.07 | NO | 5.019e5 | 878.40 | | 2.70 |

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 | 19.52 | 19.51 | 3.085e6 | 1.958e6 | 1.838e5 | 1.176e5 | 1.56 | NO | 3.014e5 | 899.39 | | 0.758 |
| 2 | 13C-PCB-9 | 21.35 | 21.33 | 4.896e6 | 2.997e6 | 2.873e5 | 1.763e5 | 1.63 | NO | 4.636e5 | 889.35 | | 0.487 |
| 3 | 13C-PCB-11 | 24.80 | 24.79 | 4.515e6 | 2.889e6 | 2.841e5 | 1.812e5 | 1.57 | NO | 4.653e5 | 914.58 | | 0.499 |
| 4 | 13C-PCB-15 | 25.49 | 25.51 | 9.911e6 | 6.264e6 | 6.439e5 | 4.113e5 | 1.57 | NO | 1.055e6 | 2014.5 | | 0.485 |

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 | 23.75 | 23.74 | 2.611e6 | 2.681e6 | 1.638e5 | 1.706e5 | 0.96 | NO | 3.344e5 | 1001.8 | | 7.17 |
| 2 | 13C-PCB-32 | 26.75 | 26.74 | 3.855e6 | 3.892e6 | 2.434e5 | 2.510e5 | 0.97 | NO | 4.944e5 | 1037.4 | | 5.02 |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:47 Pacific Daylight Time

ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

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 | 28.64 | 28.64 | 5.275e6 | 5.446e6 | 4.170e5 | 4.348e5 | 0.96 | NO | 8.518e5 | 2014.5 | | 6.58 |
| 2 | 13C-PCB-28 | 28.74 | 28.75 | 2.580e6 | 2.687e6 | 1.763e5 | 1.816e5 | 0.97 | NO | 3.579e5 | 791.71 | | 6.15 |
| 3 | 13C-PCB-37 | 32.72 | 32.75 | 2.309e6 | 2.378e6 | 1.818e5 | 1.855e5 | 0.98 | NO | 3.673e5 | 905.39 | | 6.85 |

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 | 27.59 | 27.59 | 2.228e6 | 3.055e6 | 1.663e5 | 2.294e5 | 0.73 | NO | 3.956e5 | 869.37 | | 1.42 |
| 2 | 13C-PCB-52 | 31.25 | 31.24 | 1.802e6 | 2.455e6 | 1.319e5 | 1.804e5 | 0.73 | NO | 3.123e5 | 892.89 | | 1.85 |
| 3 | 13C-PCB-47 | 31.77 | 31.76 | 1.879e6 | 2.606e6 | 1.399e5 | 1.942e5 | 0.72 | NO | 3.341e5 | 902.52 | | 1.75 |
| 4 | 13C-PCB-70 | 35.39 | 35.39 | 2.150e6 | 2.878e6 | 1.628e5 | 2.191e5 | 0.74 | NO | 3.819e5 | 914.60 | | 1.55 |
| 5 | 13C-PCB-80 | 35.82 | 35.82 | 2.152e6 | 2.821e6 | 1.695e5 | 2.240e5 | 0.76 | NO | 3.935e5 | 908.02 | | 1.49 |
| 6 | 13C-PCB-60 | 36.66 | 36.65 | 4.528e6 | 6.083e6 | 3.584e5 | 4.764e5 | 0.75 | NO | 8.348e5 | 2014.5 | | 1.56 |
| 7 | 13C-PCB-79 | 37.75 | 37.77 | 2.202e6 | 2.920e6 | 1.765e5 | 2.342e5 | 0.75 | NO | 4.107e5 | 960.40 | | 1.51 |
| 8 | 13C-PCB-81 | 39.02 | 39.02 | 2.062e6 | 2.802e6 | 1.607e5 | 2.180e5 | 0.74 | NO | 3.787e5 | 927.99 | | 1.58 |
| 9 | 13C-PCB-77 | 39.63 | 39.63 | 2.068e6 | 2.692e6 | 1.633e5 | 2.172e5 | 0.75 | NO | 3.805e5 | 958.19 | | 1.63 |

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 | 32.45 | 32.43 | 3.597e6 | 2.355e6 | 2.723e5 | 1.744e5 | 1.56 | NO | 4.466e5 | 896.75 | | 0.347 |
| 2 | 13C-PCB-95 | 35.70 | 35.69 | 2.859e6 | 1.811e6 | 2.196e5 | 1.390e5 | 1.58 | NO | 3.586e5 | 926.85 | | 0.447 |
| 3 | 13C-PCB-101 | 37.44 | 37.44 | 2.797e6 | 1.760e6 | 2.110e5 | 1.328e5 | 1.59 | NO | 3.438e5 | 930.67 | | 0.468 |
| 4 | 13C-PCB-97 | 38.79 | 38.78 | 2.417e6 | 1.503e6 | 1.885e5 | 1.150e5 | 1.64 | NO | 3.034e5 | 942.10 | | 0.537 |
| 5 | 13C-PCB-111 | 39.22 | 39.24 | 7.031e6 | 4.481e6 | 5.567e5 | 3.580e5 | 1.55 | NO | 9.147e5 | 2014.5 | | 0.381 |
| 6 | 13C-PCB-123 | 41.44 | 41.44 | 3.240e6 | 2.086e6 | 2.560e5 | 1.647e5 | 1.55 | NO | 4.206e5 | 1005.2 | | 0.414 |
| 7 | 13C-PCB-118 | 41.62 | 41.62 | 3.434e6 | 2.114e6 | 2.696e5 | 1.657e5 | 1.63 | NO | 4.353e5 | 983.31 | | 0.391 |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-4.qld

Last Altered: Thursday, October 17, 2019 09:45:19 Pacific Daylight Time

Printed: Thursday, October 17, 2019 09:46:47 Pacific Daylight Time

ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

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 | 42.29 | 42.30 | 1.937e6 | 1.323e6 | 1.537e5 | 1.044e5 | 1.47 | NO | 2.580e5 | 725.80 | | 0.921 |
| 2 | 13C-PCB-105 | 43.18 | 43.19 | 2.032e6 | 1.281e6 | 1.670e5 | 1.050e5 | 1.59 | NO | 2.720e5 | 734.18 | | 0.884 |
| 3 | 13C-PCB-127 | 43.52 | 43.53 | 2.187e6 | 1.453e6 | 1.759e5 | 1.123e5 | 1.57 | NO | 2.881e5 | 759.36 | | 0.863 |
| 4 | 13C-PCB-126 | 45.49 | 45.48 | 1.798e6 | 1.163e6 | 1.515e5 | 9.767e4 | 1.55 | NO | 2.492e5 | 736.94 | | 0.969 |

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 | 43.35 | 43.36 | 2.049e6 | 1.653e6 | 1.634e5 | 1.317e5 | 1.24 | NO | 2.950e5 | 885.52 | | 0.899 |
| 2 | 13C-PCB-141 | 44.10 | 44.12 | 1.727e6 | 1.366e6 | 1.350e5 | 1.081e5 | 1.25 | NO | 2.431e5 | 909.02 | | 1.12 |
| 3 | 13C-PCB-138 | 44.98 | 44.97 | 1.784e6 | 1.443e6 | 1.434e5 | 1.136e5 | 1.26 | NO | 2.571e5 | 931.00 | | 1.08 |
| 4 | 13C-PCB-159 | 46.29 | 46.32 | 2.005e6 | 1.610e6 | 1.680e5 | 1.354e5 | 1.24 | NO | 3.033e5 | 904.48 | | 0.893 |
| 5 | 13C-PCB-128 | 46.58 | 46.58 | 3.395e6 | 2.720e6 | 2.622e5 | 2.092e5 | 1.25 | NO | 4.714e5 | 2014.5 | | 1.28 |
| 6 | 13C-PCB-167 | 47.01 | 47.02 | 2.098e6 | 1.661e6 | 1.697e5 | 1.371e5 | 1.24 | NO | 3.068e5 | 920.74 | | 0.899 |
| 7 | 13C-PCB-156 | 48.31 | 48.34 | 2.062e6 | 1.673e6 | 1.654e5 | 1.333e5 | 1.24 | NO | 2.988e5 | 913.66 | | 0.916 |
| 8 | 13C-PCB-157 | 48.61 | 48.61 | 2.054e6 | 1.635e6 | 1.705e5 | 1.365e5 | 1.25 | NO | 3.070e5 | 932.84 | | 0.910 |
| 9 | 13C-PCB-169 | 50.88 | 50.88 | 1.944e6 | 1.587e6 | 1.654e5 | 1.366e5 | 1.21 | NO | 3.020e5 | 958.95 | | 0.951 |

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 | 54.71 | 54.70 | 1.744e6 | 1.980e6 | 9.620e4 | 1.089e5 | 0.88 | NO | 2.051e5 | 931.33 | | 0.783 |
| 2 | 13C-PCB-205 | 54.98 | 54.98 | 5.357e6 | 5.975e6 | 2.932e5 | 3.285e5 | 0.89 | NO | 6.218e5 | 2014.5 | | 0.558 |

Dataset: Untitled

Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

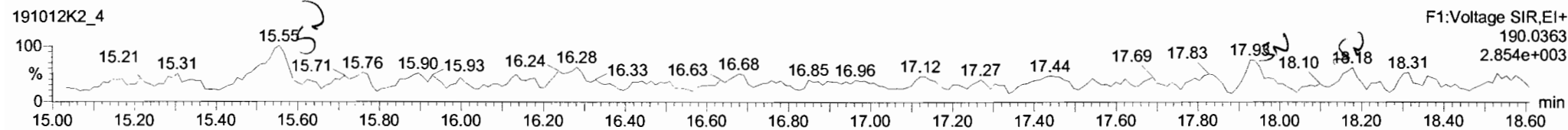
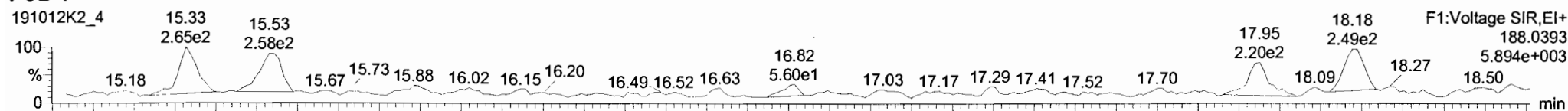
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

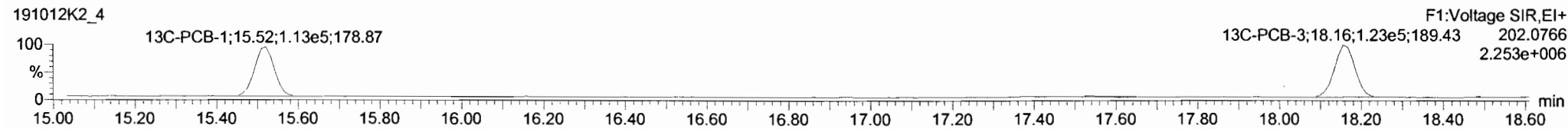
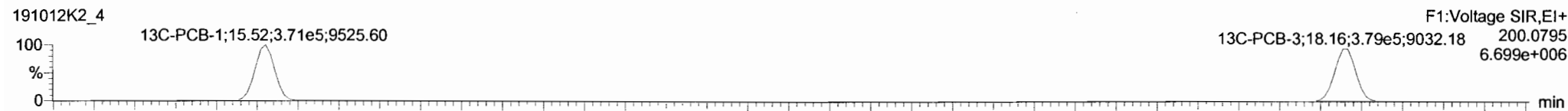
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

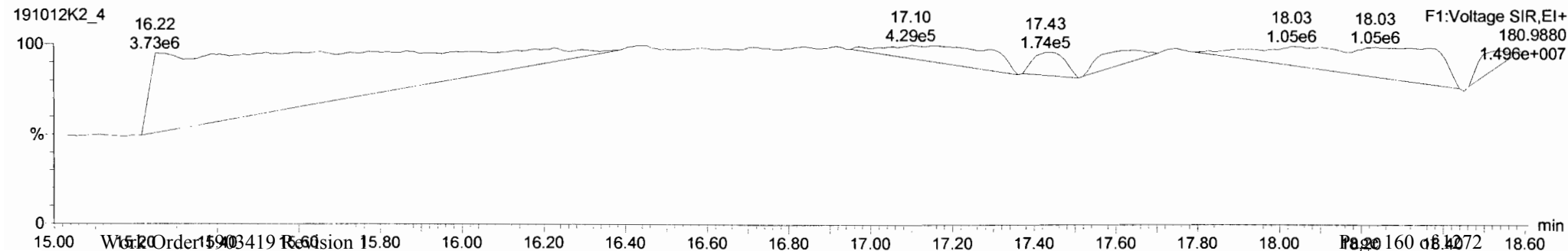
PCB-1



13C-PCB-1

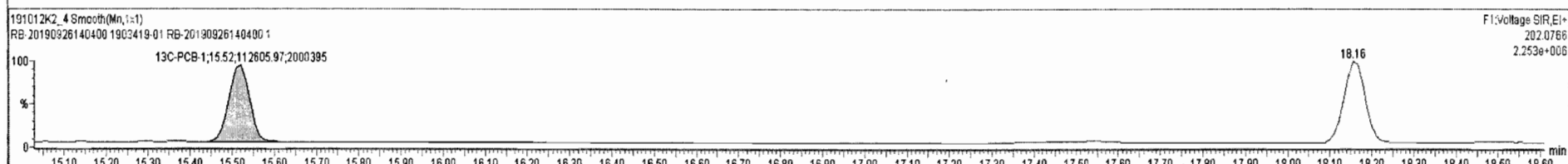
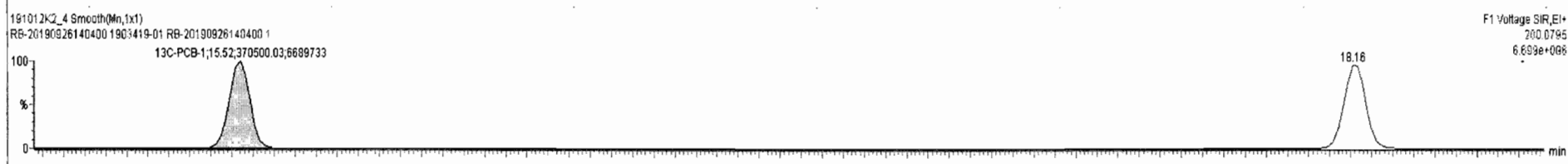
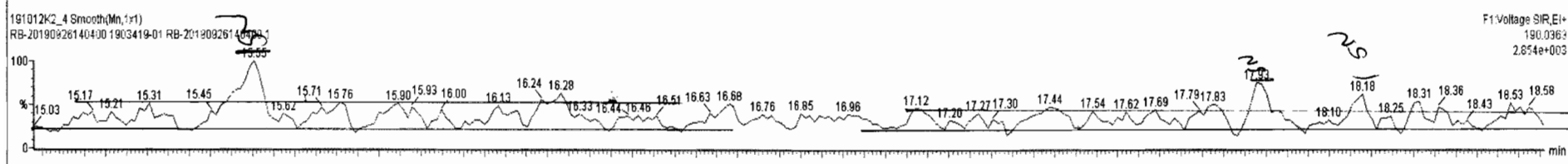
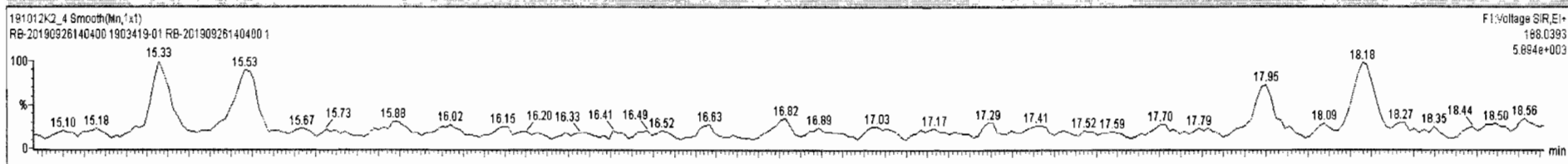


PFK1



| # | Name | Resp | RA | n/y | RRF | WtVol | Pred_RT | RT | Pred_R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|--------|------|------|-------|
| 220 | 220 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0320 | 0.993 | 37.76 | 37.77 | 1.030 | 1.031 | NO | 960.4 | 47.7 | 1.51 | |
| 221 | 221 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.8746 | 0.993 | 45.86 | 45.84 | 0.988 | 0.988 | NO | 1117 | 55.5 | 1.40 | |
| 222 | 222 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0454 | 0.993 | 37.75 | 37.77 | 0.987 | 0.988 | NO | 2092 | 104 | 3.24 | |
| 223 | 223 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.9749 | 0.993 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 2038 | 101 | 2.62 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 0.993 | 0.00 | | 0.000 | | NO | | | 1.51 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 0.993 | 0.00 | | 0.000 | | NO | | | 17.2 | |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 0.993 | 0.00 | | 0.000 | | NO | 0.0000 | | 3.18 | 1.482 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 0.993 | 0.00 | | 0.000 | | NO | 2.296 | | 8.12 | 3.752 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 0.993 | 0.00 | | 0.000 | | NO | 1.597 | | 14.3 | 8.797 |

| # | Name | Pred_RT | RT | m1 Resp | m2 Resp | % Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|------|---------|----|---------|---------|----------------|----|-----|------|-------|
| 1 | | | | | | | | | | |



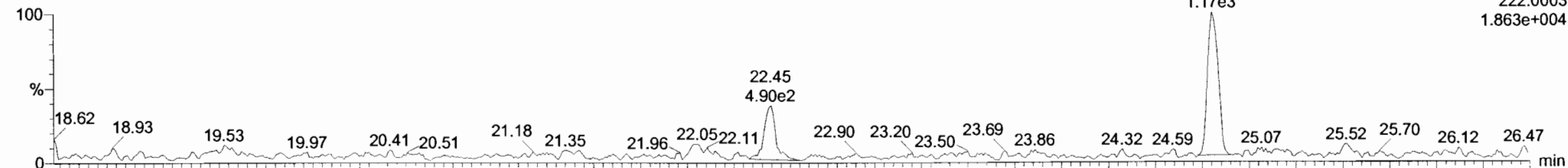
Dataset: Untitled

Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

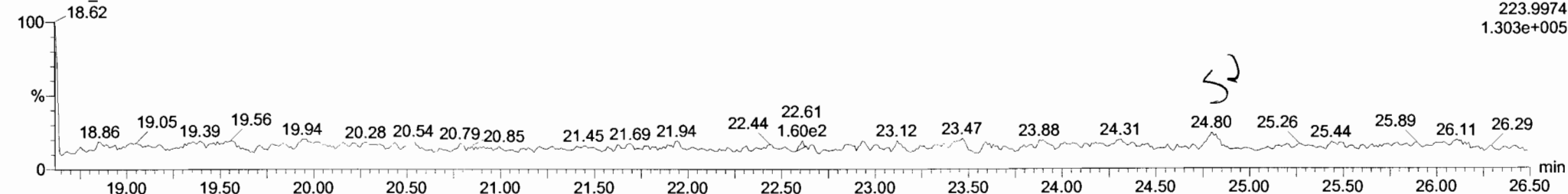
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-4/10

191012K2_4

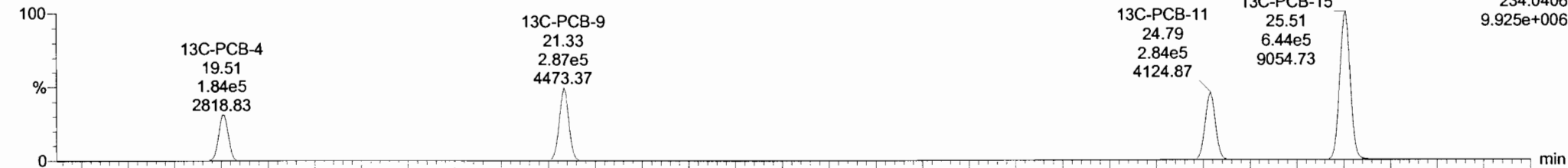


191012K2_4

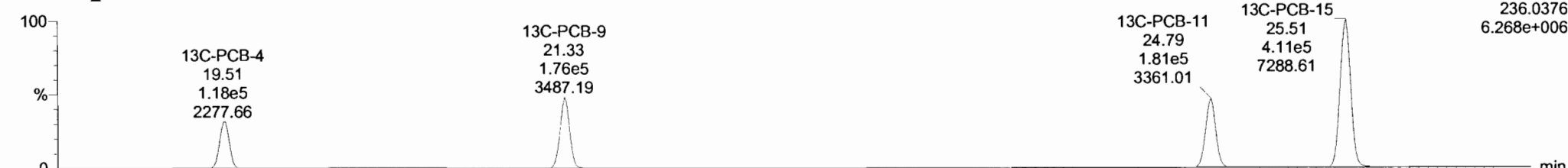


13C-PCB-4

191012K2_4



191012K2_4

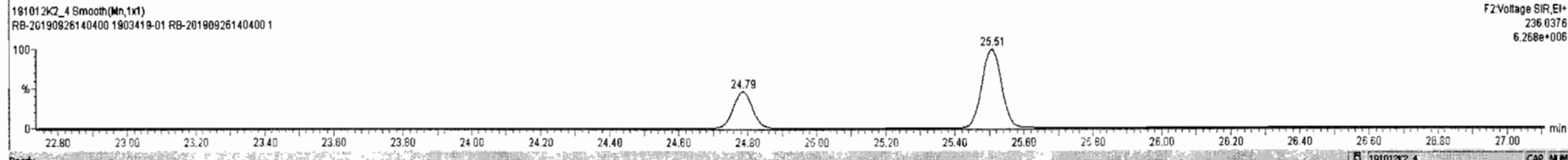
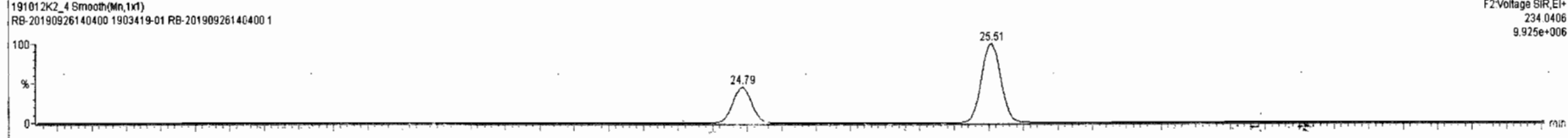
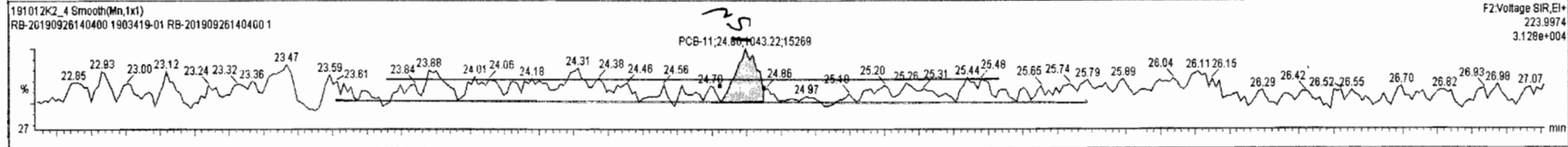
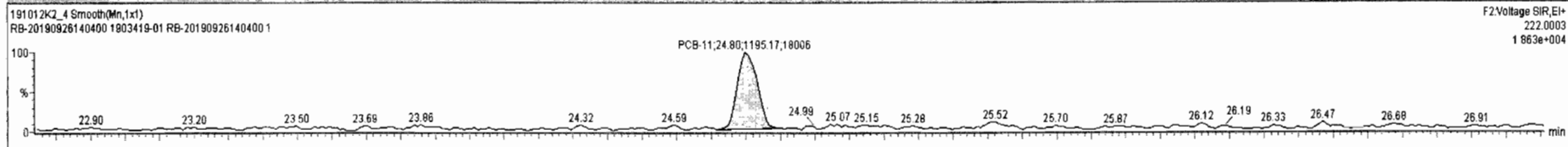


Target:lynx - 191012K2_4.qld* - [Chromatogram]

191012K2_4 - 1903419-01 RB-20190926140400 1 - RB-20190926140400

| # | Name | Resp | RA | n/y | RF | wtAvcl | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|--------|------|------|-------|
| 220 | 220 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0320 | 0.993 | 37.75 | 37.77 | 1.030 | 1.030 | NO | 960.4 | 47.7 | 1.51 | |
| 221 | 221 13C-PCB-179 | 2.29e5 | 0.43 | NO | 0.9746 | 0.993 | 45.86 | 45.84 | 0.988 | 0.988 | NO | 1117 | 55.5 | 1.40 | |
| 222 | 222 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0454 | 0.993 | 37.75 | 37.77 | 0.967 | 0.968 | NO | 2092 | 104 | 3.24 | |
| 223 | 223 13C-PCB-179 | 2.29e5 | 0.43 | NO | 0.9749 | 0.993 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 2038 | 101 | 2.62 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 0.993 | 0.00 | | 0.000 | | NO | | | 1.51 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 0.993 | 0.00 | | 0.000 | | NO | 0.0000 | | 15.5 | 7.747 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 0.993 | 0.00 | | 0.000 | | NO | 0.0000 | | 3.18 | 1.482 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 0.993 | 0.00 | | 0.000 | | NO | 2.296 | | 8.12 | 3.752 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 0.993 | 0.00 | | 0.000 | | NO | 1.597 | | 14.3 | 6.797 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1 st Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------|---------|-------|---------|---------|------------------------------|------|-----|--------|---------|
| 9 | PCB-11 | 24.81 | 24.80 | 1.195e3 | 1.043e3 | 1.560 | 1.15 | YES | 7.7474 | 0.00000 |



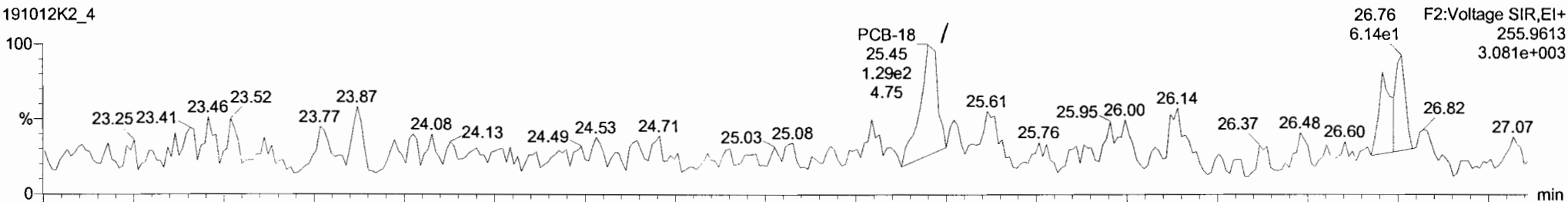
Dataset: Untitled

Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

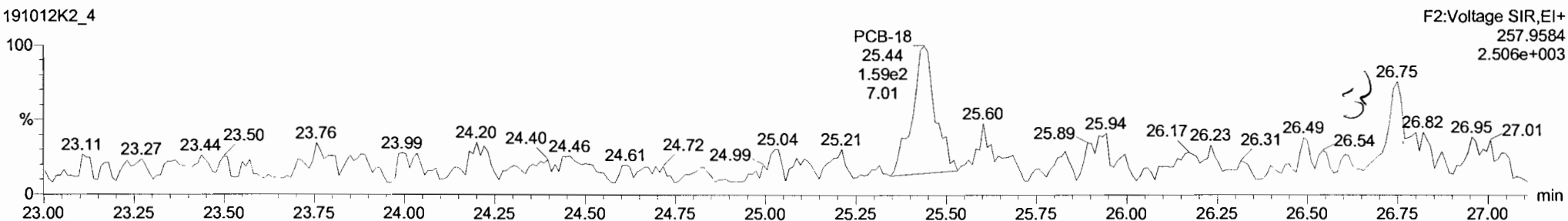
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-19

191012K2_4

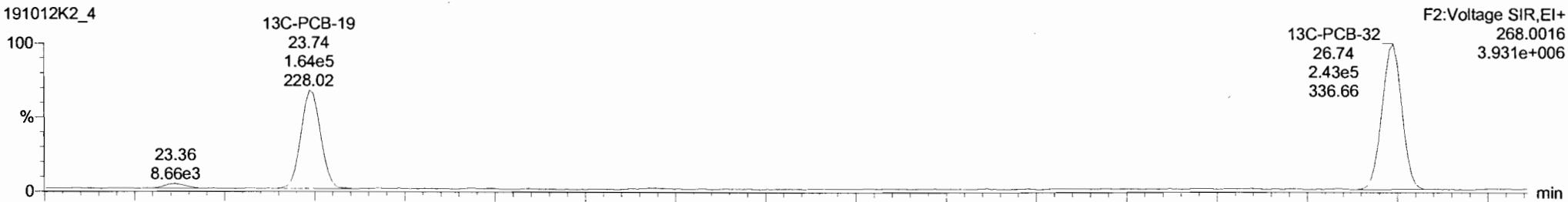


191012K2_4

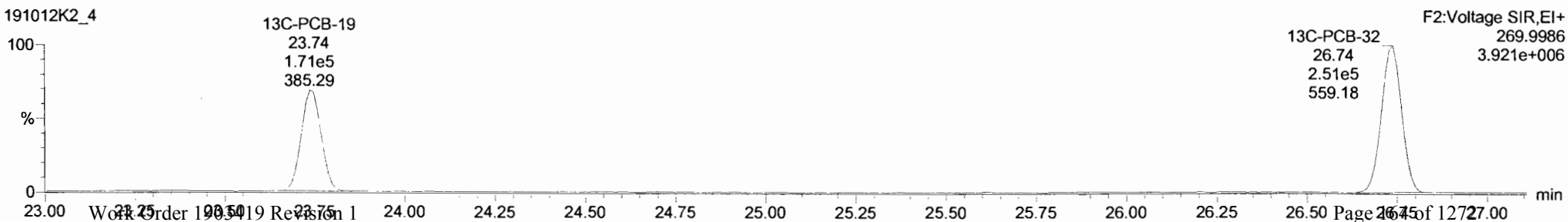


13C-PCB-19

191012K2_4

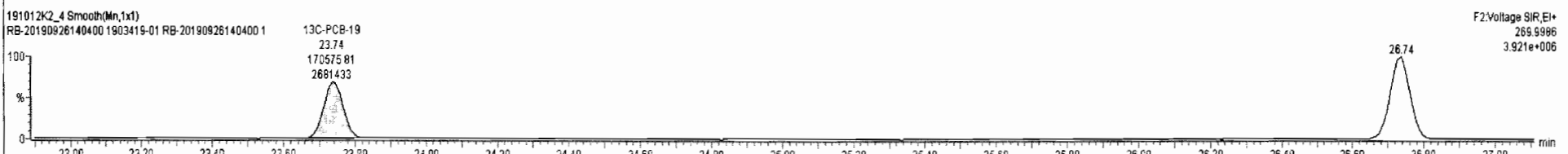
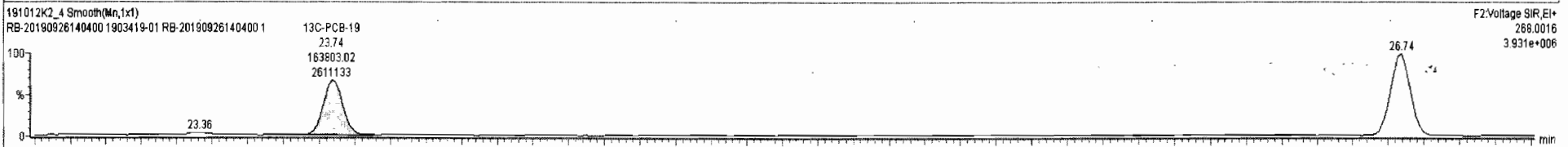
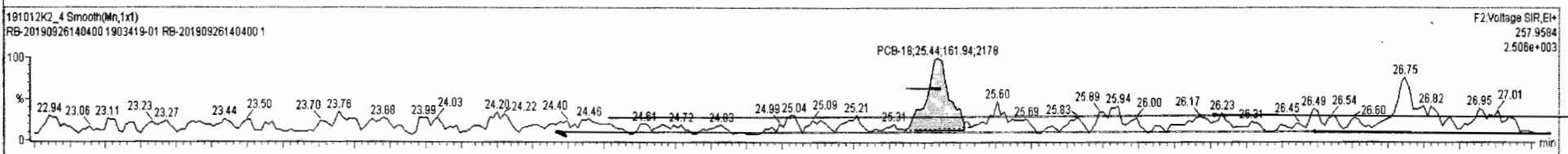
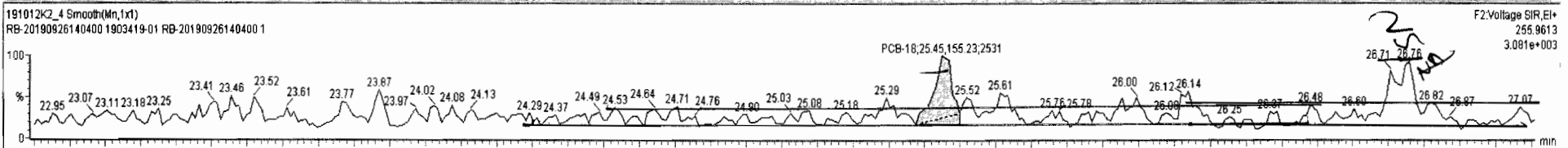


191012K2_4



| # | Name | Resp | RA | n/y | RFI | wt/wd | Pred.RT | RT | Pred.R. | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------|--------|------|-----|--------|-------|---------|-------|---------|-------|----------|-------|------|------|-------|
| 220 | 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0320 | 0.993 | 37.75 | 37.77 | 1.030 | 1.030 | NO | 980.4 | 47.7 | 1.51 | |
| 221 | 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.8746 | 0.993 | 45.86 | 45.84 | 0.988 | 0.988 | NO | 1117 | 55.5 | 1.40 | |
| 222 | 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0454 | 0.993 | 37.75 | 37.77 | 0.967 | 0.968 | NO | 2092 | 104 | 3.24 | |
| 223 | 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.9749 | 0.993 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 2038 | 101 | 2.62 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 0.993 | 0.00 | | 0.000 | | NO | | | 1.51 | |
| 225 | Total Di-PCBs | | | | 1.0592 | 0.993 | 0.00 | | 0.000 | | NO | | | 17.2 | |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 0.993 | 0.00 | | 0.000 | | NO | 1.865 | | 3.18 | 1.665 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 0.993 | 0.00 | | 0.000 | | NO | 2.296 | | 8.12 | 3.752 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 0.993 | 0.00 | | 0.000 | | NO | 1.597 | | 14.3 | 8.797 |

| # | Name | Pred.RT | RT | m1.Resp | m2.Resp | 1 st Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------|---------|-------|---------|---------|------------------------------|------|-----|--------|--------|
| 1 | 14 PCB-18 | 25.48 | 25.45 | 1.552e2 | 1.619e2 | 1.040 | 0.96 | NO | 1.8649 | 1.8649 |



Dataset: Untitled

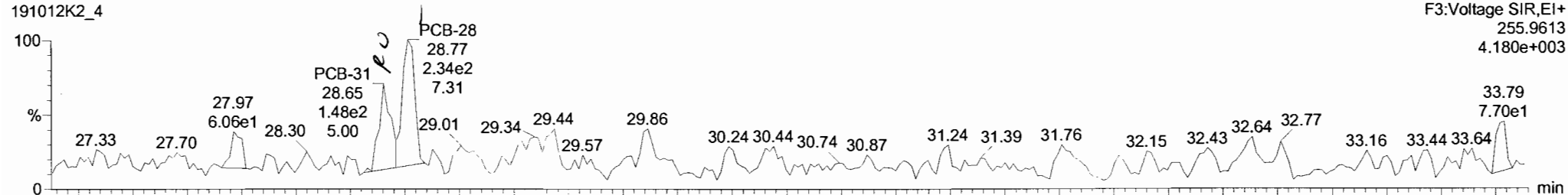
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

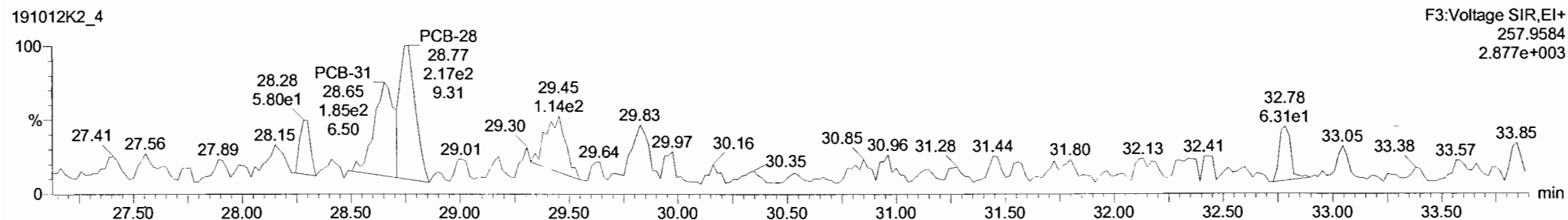
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-34

191012K2_4

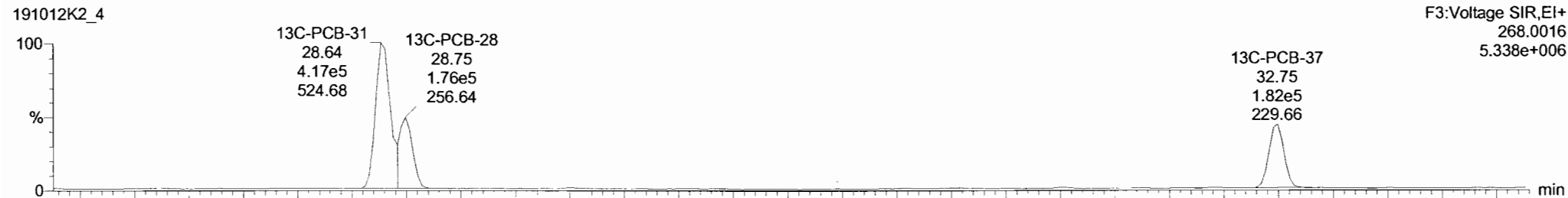


191012K2_4

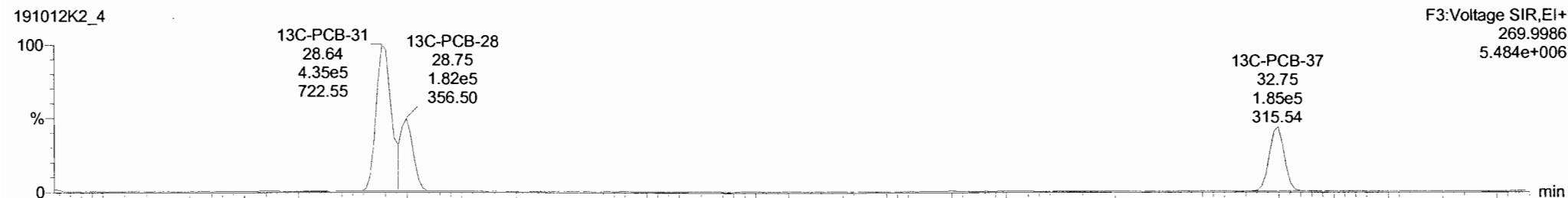


13C-PCB-28

191012K2_4



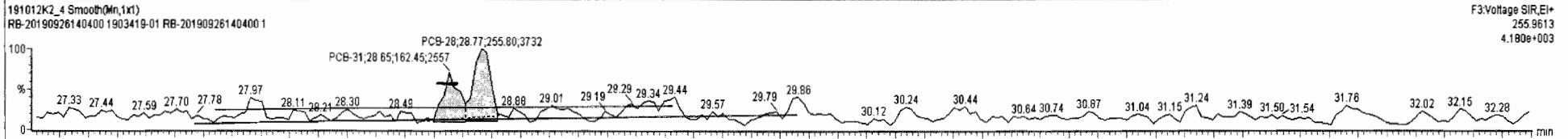
191012K2_4



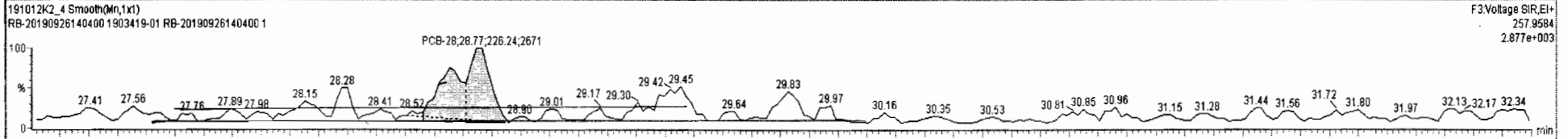
191012K2_4 - 1903419-01 RB-20190926140400 1 - RE-20190926140400

| # | Name | Resp | RA | n/y | RRF | wVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------|--------|------|-----|--------|-------|---------|-------|--------|--------|----------|-------|------|------|-------|
| 220 | 220 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0320 | 0.993 | 37.75 | 37.77 | 1.0300 | 1.0300 | NO | 990.4 | 47.7 | 1.51 | |
| 221 | 221 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.8746 | 0.993 | 45.86 | 45.84 | 0.988 | 0.988 | NO | 1117 | 55.5 | 1.40 | |
| 222 | 222 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0454 | 0.993 | 37.75 | 37.77 | 0.967 | 0.968 | NO | 2092 | 104 | 3.24 | |
| 223 | 223 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.9749 | 0.993 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 2036 | 101 | 2.62 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 0.993 | 0.00 | | 0.000 | | NO | | | 1.51 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 0.993 | 0.00 | | 0.000 | | NO | | | 17.2 | |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 0.993 | 0.00 | | 0.000 | | NO | 1.865 | | 3.18 | 1.865 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0553 | 0.993 | 0.00 | | 0.000 | | NO | 2.454 | | 8.12 | 4.050 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 0.993 | 0.00 | | 0.000 | | NO | 1.597 | | 14.3 | 8.797 |

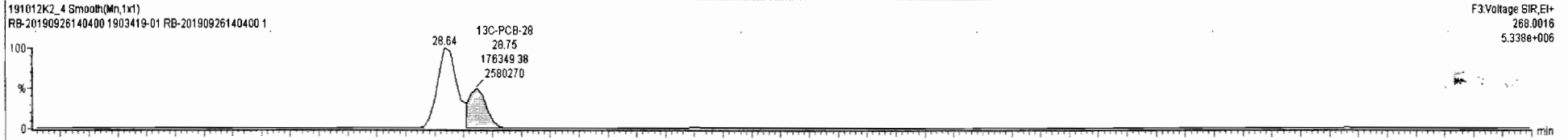
| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|----|--------|---------|-------|---------|---------|-----------------|------|-----|--------|---------|
| 24 | PCB-28 | 28.76 | 28.77 | 2.558e2 | 2.262e2 | 1.040 | 1.13 | NO | 2.4535 | 2.4535 |
| 23 | PCB-31 | 28.68 | 28.65 | 1.624e2 | 1.952e2 | 1.040 | 0.83 | YES | 1.5969 | 0.00000 |



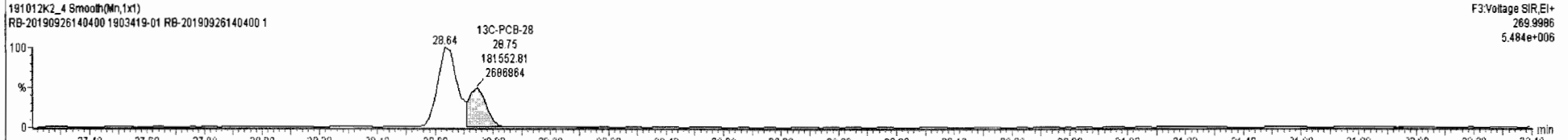
F3:Voltage SIR,EI+
257.9613
4.180e+003



F3:Voltage SIR,EI+
257.9584
2.877e+003



F3:Voltage SIR,EI+
268.0016
5.338e+006



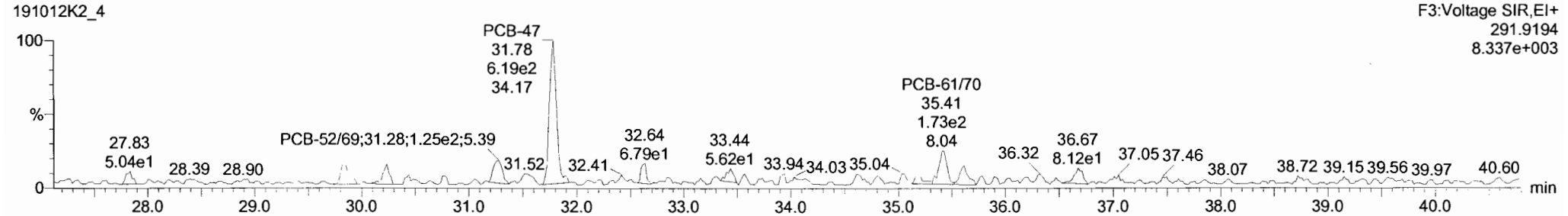
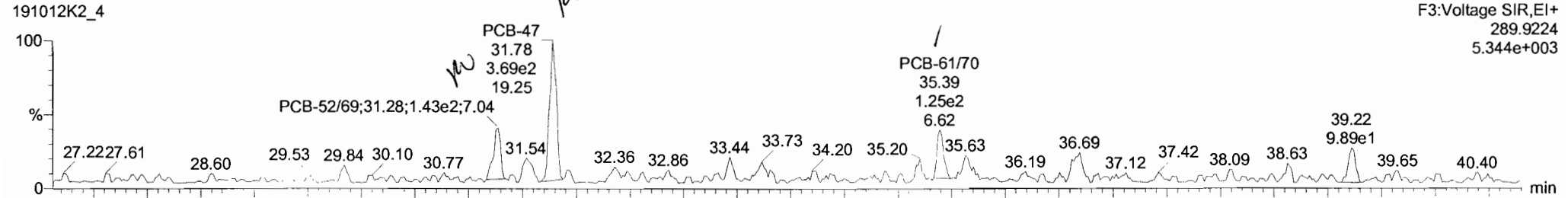
F3:Voltage SIR,EI+
269.9986
5.484e+006

Dataset: Untitled

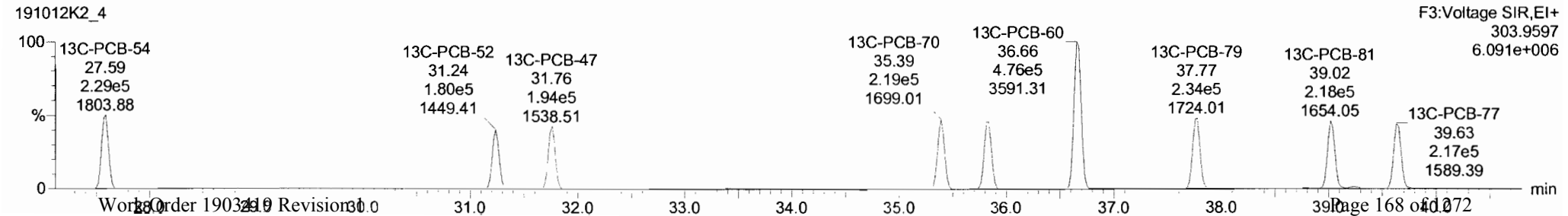
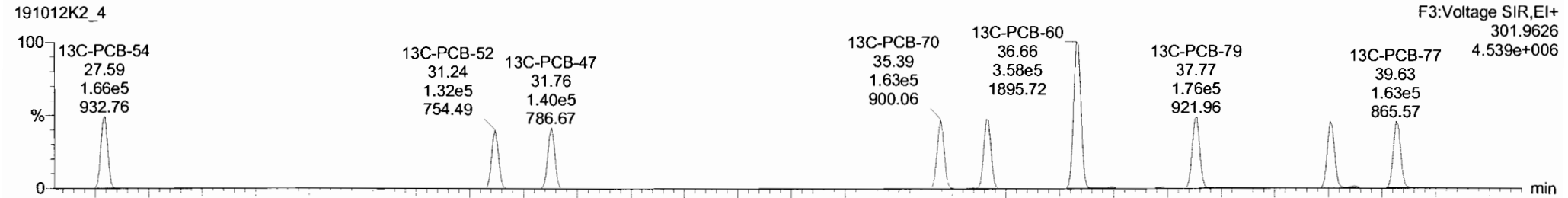
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-54



13C-PCB-54



Dataset: Untitled

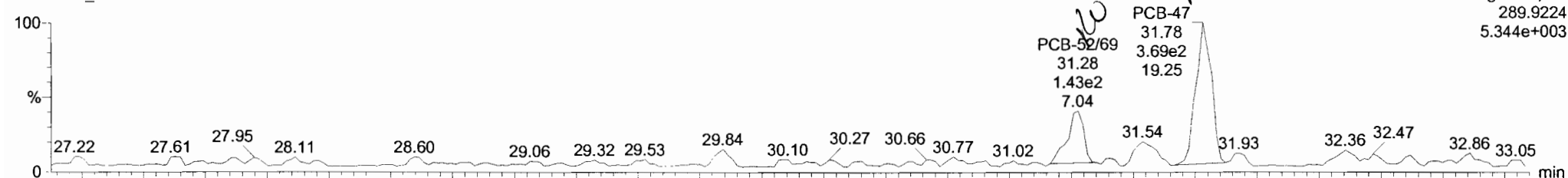
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

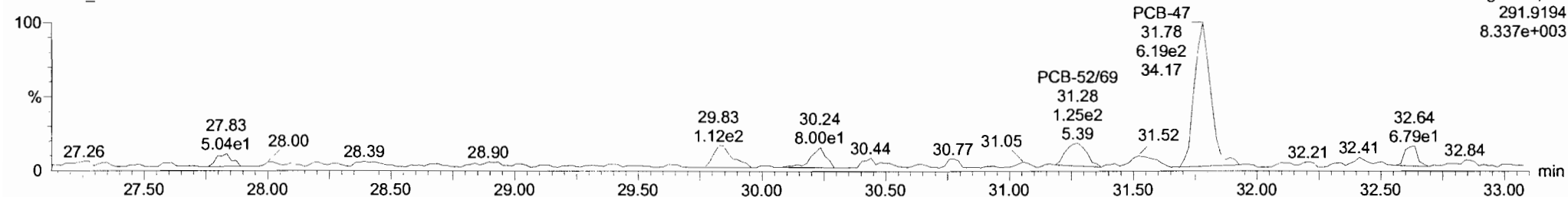
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-50

191012K2_4

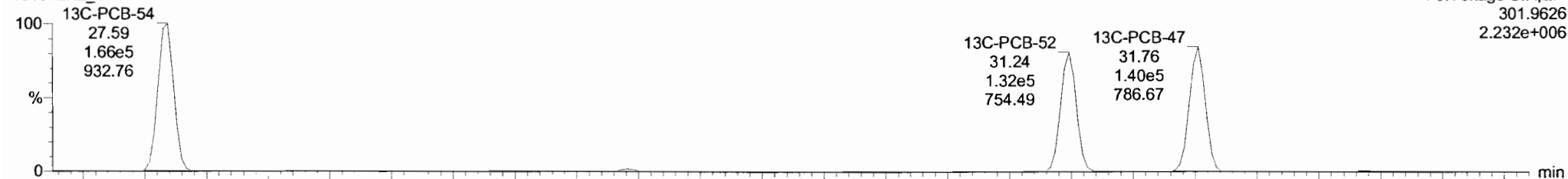


191012K2_4

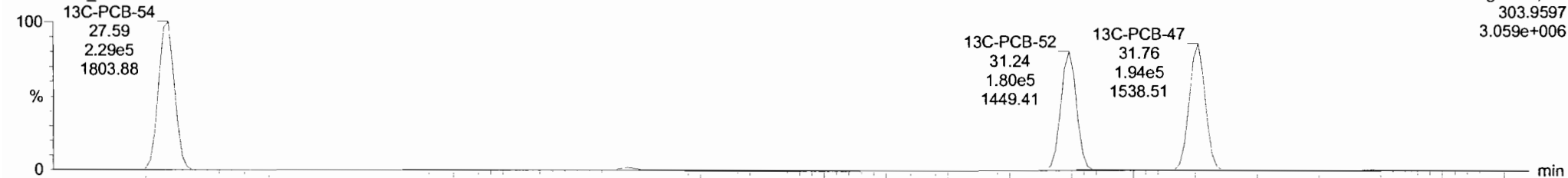


13C-PCB-52

191012K2_4



191012K2_4



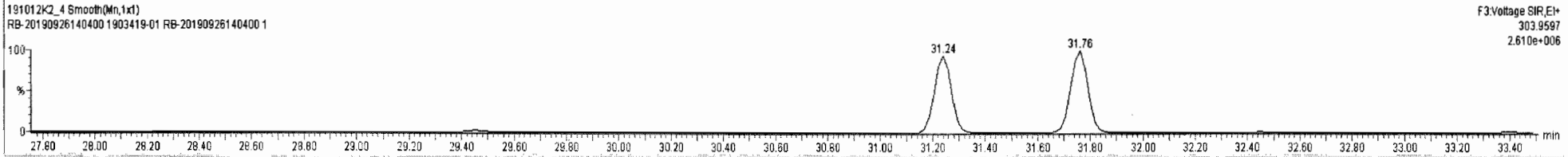
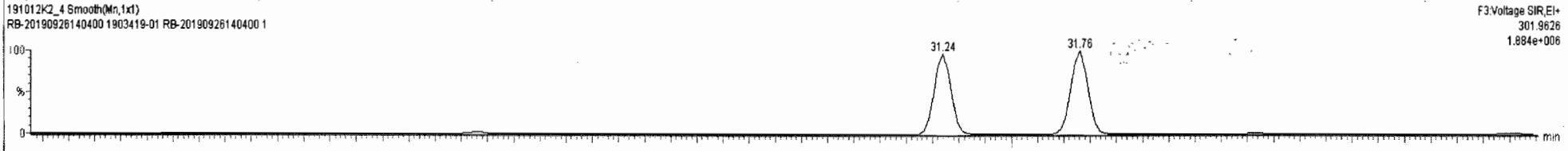
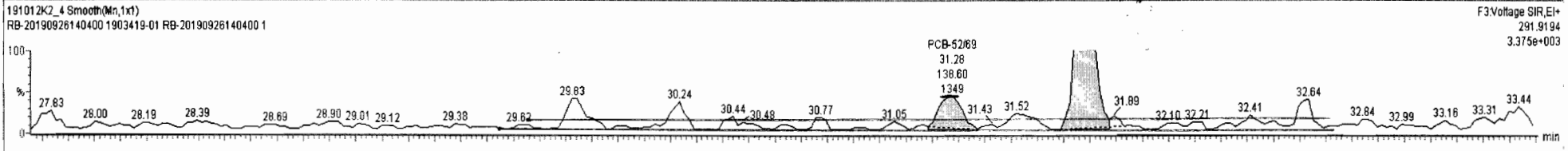
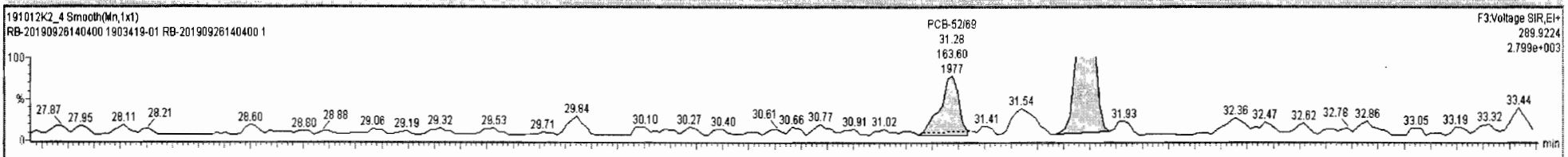
TargetLynx - 191012K2_4.qld - [Chromatogram]

File Edit View Display Processing Window Help

191012K2_4 - 1903419-01 RB-20190926140400 1 - RB-20190926140400

| # | Name | Resp | RA | n/y | R/R | wtAdj | Pred.RT | RT | Pred.R. | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------|--------|------|-----|--------|-------|---------|-------|---------|-------|----------|-------|------|------|-------|
| 220 | 220 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0320 | 0.993 | 37.75 | 37.77 | 1.030 | 1.030 | NO | 960.4 | 47.7 | 1.51 | |
| 221 | 221 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.8746 | 0.993 | 45.86 | 45.84 | 0.988 | 0.988 | NO | 1117 | 55.5 | 1.40 | |
| 222 | 222 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0454 | 0.993 | 37.75 | 37.77 | 0.967 | 0.968 | NO | 2092 | 104 | 3.24 | |
| 223 | 223 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.9749 | 0.993 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 2038 | 101 | 2.62 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 0.993 | 0.00 | | 0.000 | | NO | | | 1.51 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 0.993 | 0.00 | | 0.000 | | NO | | | 17.2 | |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 0.993 | 0.00 | | 0.000 | | NO | 1.865 | | 3.18 | 1.865 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 0.993 | 0.00 | | 0.000 | | NO | 2.454 | | 8.12 | 4.050 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9961 | 0.993 | 0.00 | | 0.000 | | NO | 1.464 | | 14.3 | 8.805 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1 st Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|------------------------------|------|-----|--------|---------|
| 1 | 38 PCB-5269 | 31.28 | 31.28 | 1.636e2 | 1.386e2 | 0.770 | 1.18 | YES | 1.4493 | 0.00000 |
| 2 | 41 PCB-47 | 31.78 | 31.78 | 3.893e2 | 6.116e2 | 0.770 | 0.60 | YES | 5.8924 | 0.00000 |
| 3 | 55 PCB-6170 | 35.41 | 35.38 | 1.250e2 | 1.484e2 | 0.770 | 0.84 | NO | 1.4635 | 1.4635 |



Dataset: Untitled

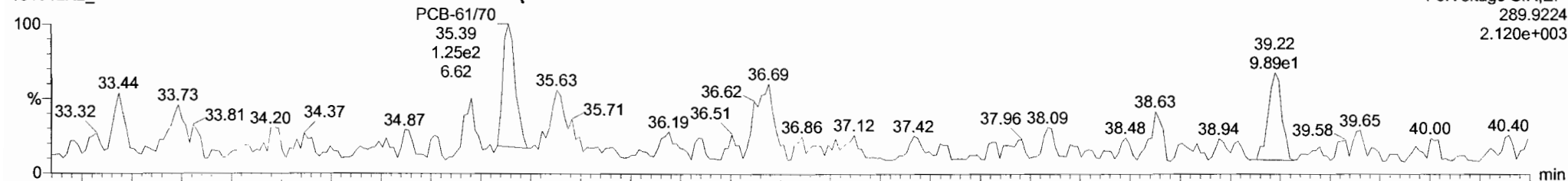
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

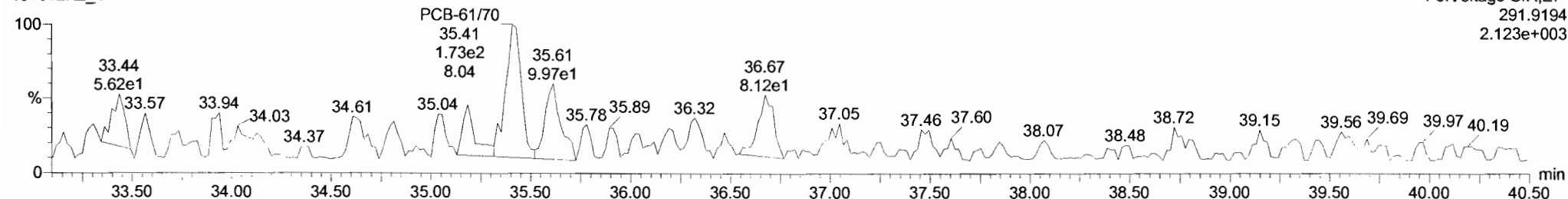
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-68

191012K2_4

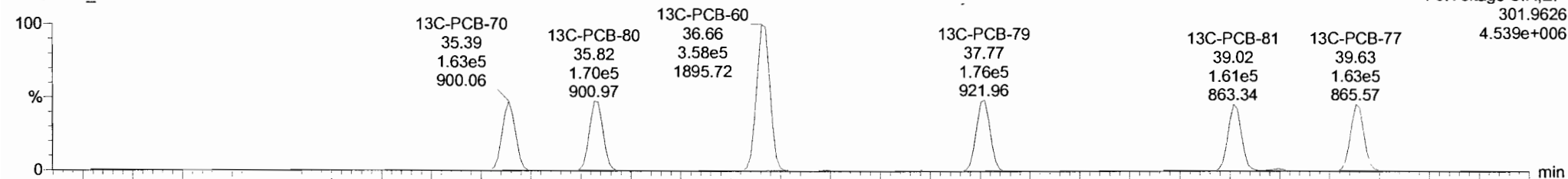


191012K2_4

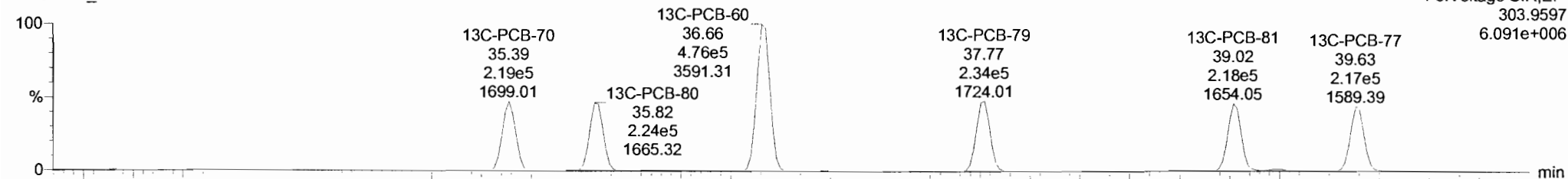


13C-PCB-60

191012K2_4



191012K2_4



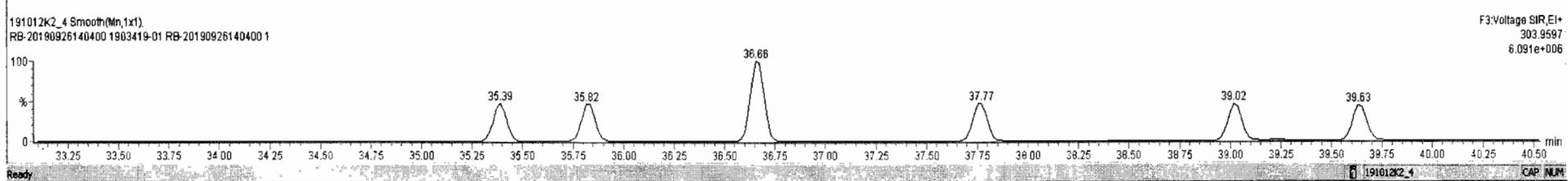
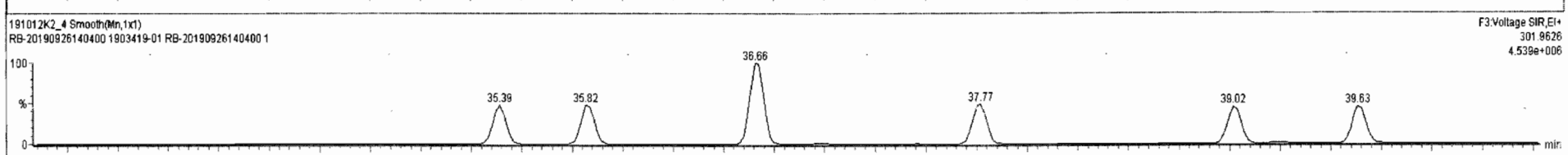
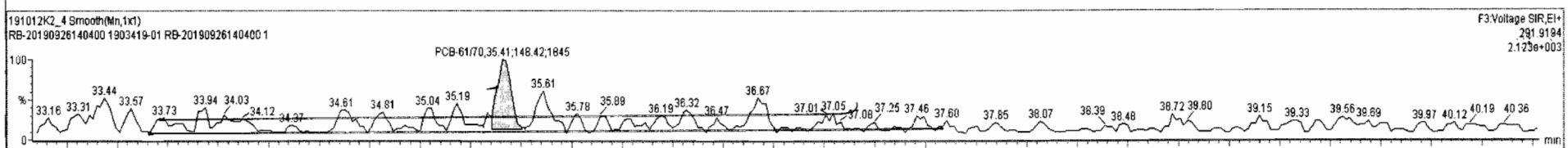
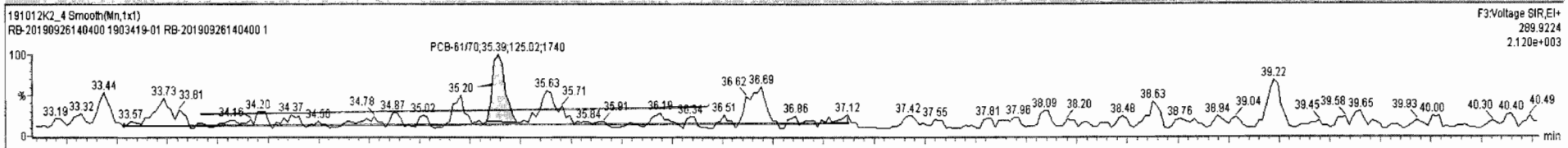
TargetLynx 191012K2-4.qld [Chromatogram]

File Edit View Display Processing Window Help

191012K2_4 - 1903419-01 RB-20190926140400 1 - RB-20190926140400

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.R... | RRT | RRTI | Conc. | %Rec | DL | EMPC |
|-----|---------------------------|--------|------|-----|--------|--------|---------|-------|-----------|-------|------|-------|------|------|-------|
| 220 | 220 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0320 | 0.993 | 37.75 | 37.77 | 1.030 | 1.030 | NO | 960.4 | 47.7 | 1.51 | |
| 221 | 221 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.8746 | 0.993 | 45.86 | 45.84 | 0.988 | 0.988 | NO | 1117 | 55.5 | 1.40 | |
| 222 | 222 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0454 | 0.993 | 37.75 | 37.77 | 0.967 | 0.968 | NO | 2092 | 104 | 3.24 | |
| 223 | 223 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.9749 | 0.993 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 2038 | 101 | 2.62 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 0.993 | 0.00 | | 0.000 | | NO | | | 1.51 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 0.993 | 0.00 | | 0.000 | | NO | | | 17.2 | |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 0.993 | 0.00 | | 0.000 | | NO | 1.865 | | 3.18 | 1.885 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 0.993 | 0.00 | | 0.000 | | NO | 2.454 | | 8.12 | 4.050 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9661 | 0.993 | 0.00 | | 0.000 | | NO | 1.464 | | 14.3 | 8.805 |

| F. Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|---------|
| 36 PCB-5269 | 31.28 | 31.28 | 1.636e2 | 1.386e2 | 0.770 | 1.18 | YES | 1.4493 | 0.00000 |
| 41 PCB-47 | 31.78 | 31.78 | 3.693e2 | 6.118e2 | 0.770 | 0.60 | YES | 5.8924 | 0.00000 |
| 55 PCB-61/70 | 35.41 | 35.39 | 1.250e2 | 1.484e2 | 0.770 | 0.84 | NO | 1.4635 | 1.4635 |



Dataset: Untitled

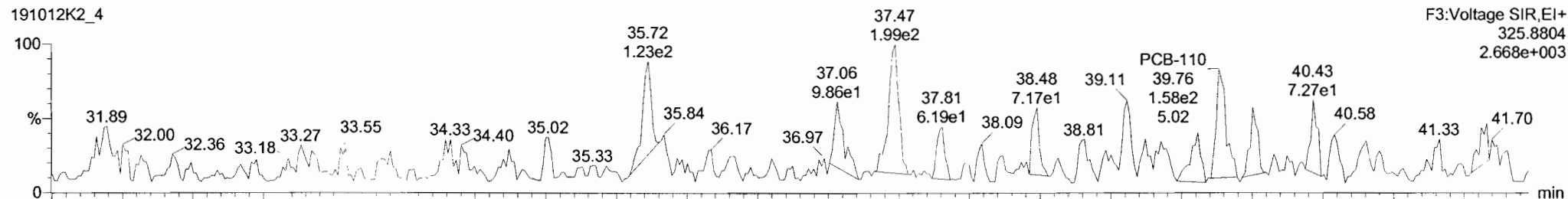
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

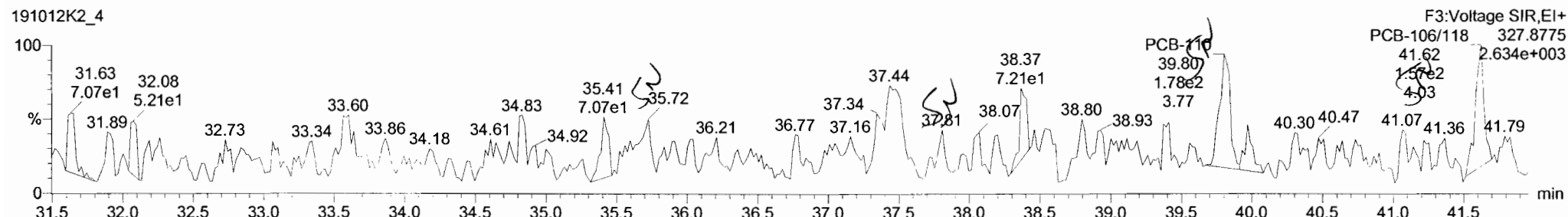
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-104

191012K2_4

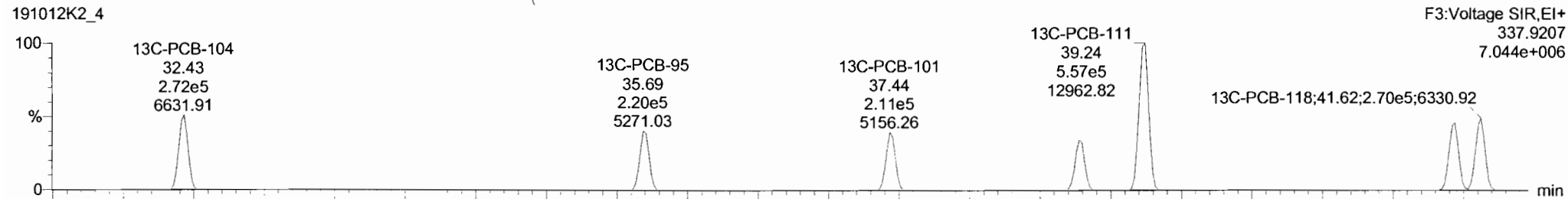


191012K2_4

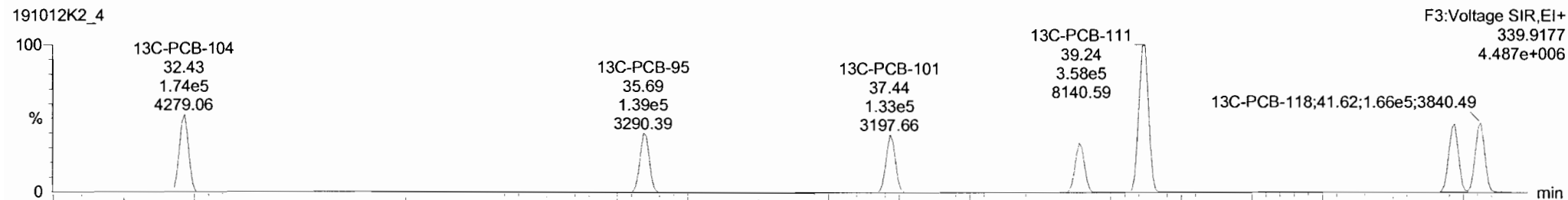


13C-PCB-104

191012K2_4



191012K2_4

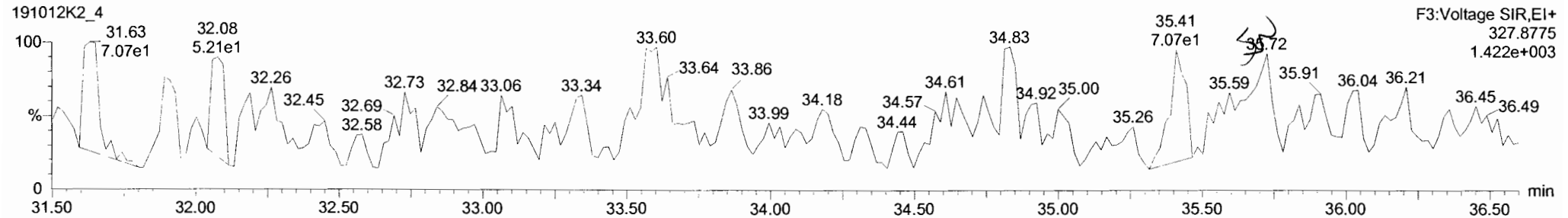
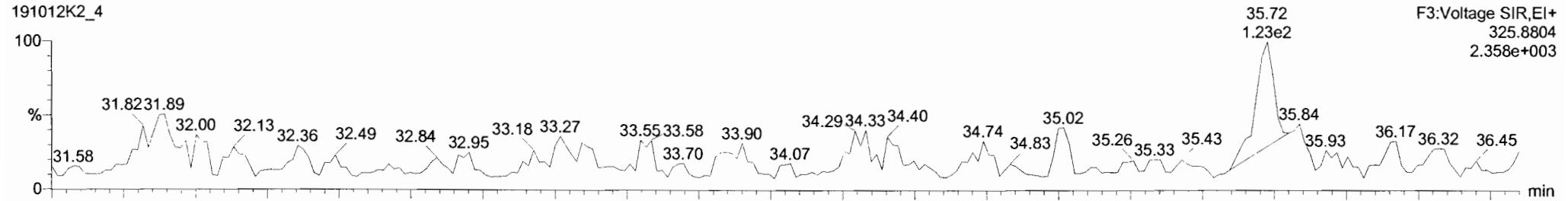


Dataset: Untitled

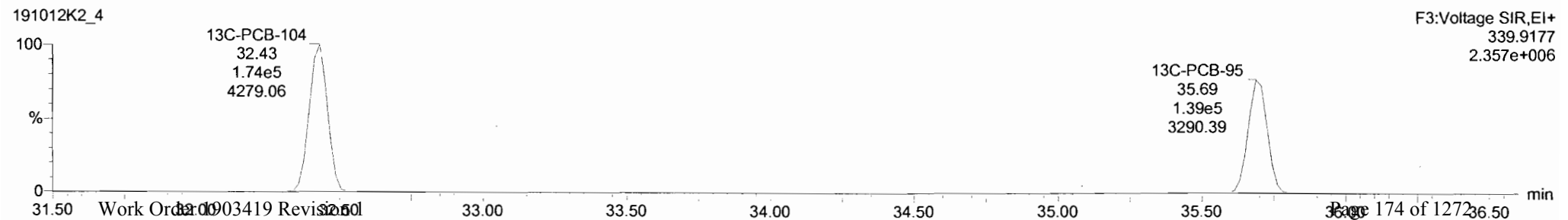
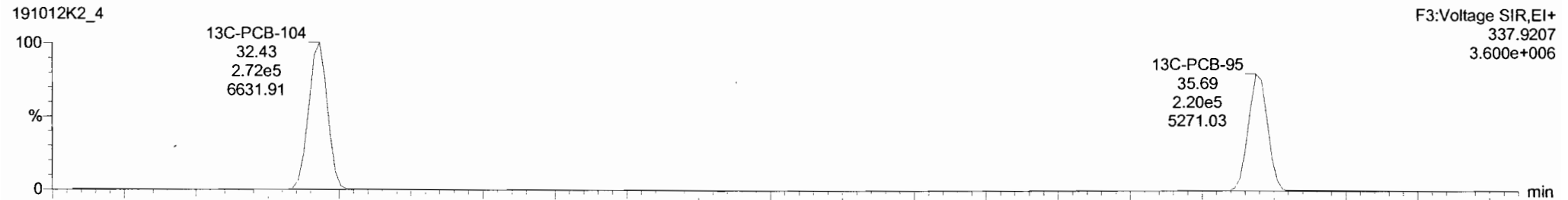
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-96



13C-PCB-95

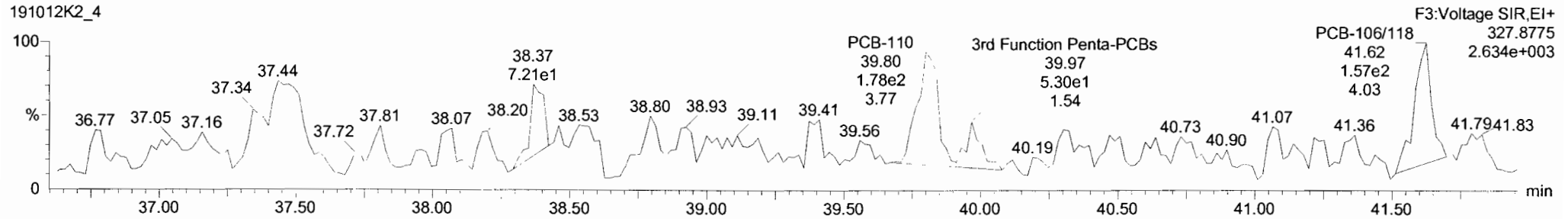
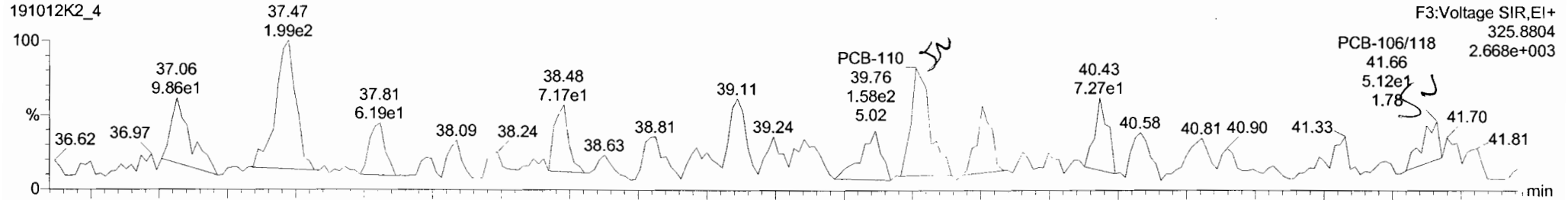


Dataset: Untitled

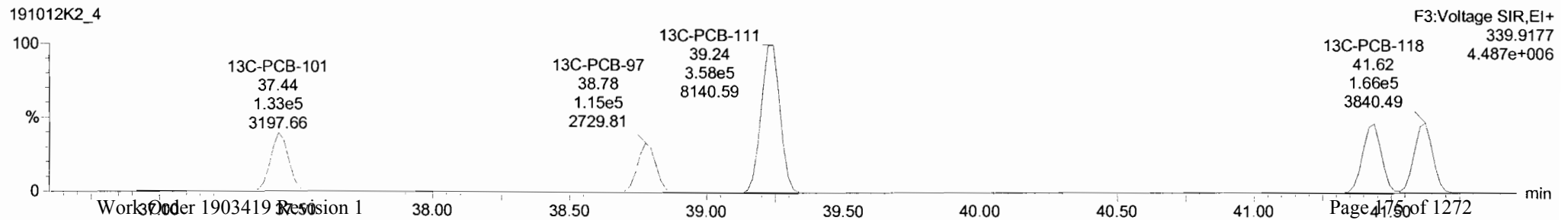
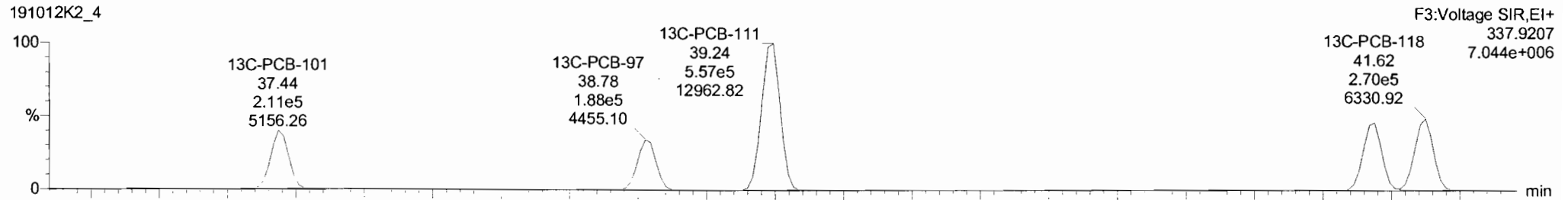
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-119



13C-PCB-111



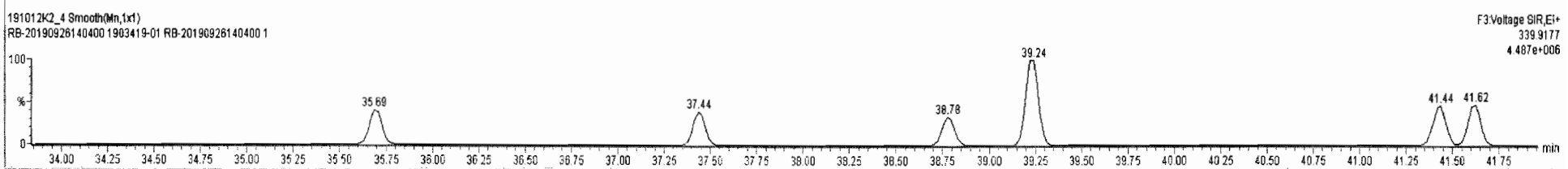
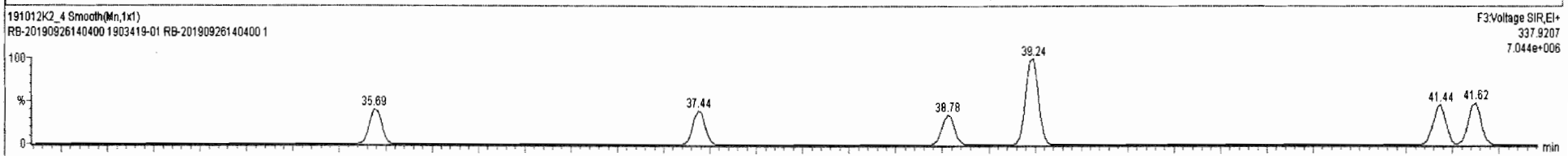
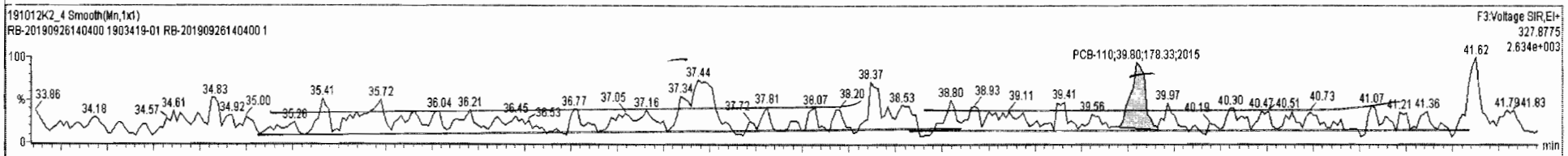
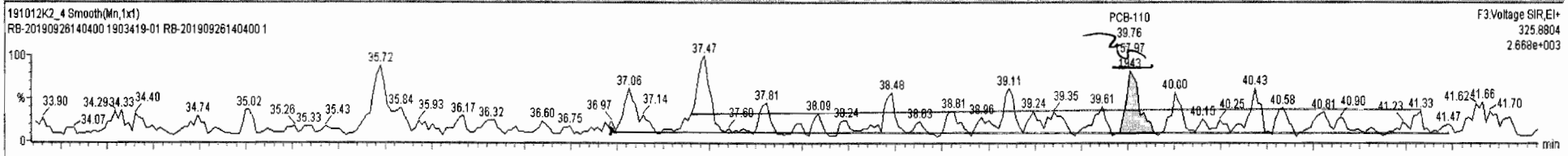
TargetLynx - 191012K2-4.qld* - [Chromatogram]

File Edit View Display Processing Window Help

191012K2_4 - 1903419-01 RB-20190926140400 1 - RB-20190926140400

| # | Name | Resp | RA | n/y | RFf | wtVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|-------|------|------|-------|
| 220 | 220 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0320 | 0.993 | 37.75 | 37.77 | 1.030 | 1.030 | NO | 960.4 | 47.7 | 1.51 | |
| 221 | 221 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.8746 | 0.993 | 45.86 | 45.84 | 0.998 | 0.998 | NO | 1117 | 55.5 | 1.40 | |
| 222 | 222 13C-PCB-79 | 4.11e5 | 0.75 | NO | 1.0454 | 0.993 | 37.75 | 37.77 | 0.967 | 0.968 | NO | 2092 | 104 | 3.24 | |
| 223 | 223 13C-PCB-178 | 2.29e5 | 0.43 | NO | 0.8749 | 0.993 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 2038 | 101 | 2.62 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 0.993 | 0.00 | | 0.000 | | NO | | | 1.51 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 0.993 | 0.00 | | 0.000 | | NO | | | 17.2 | |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 0.993 | 0.00 | | 0.000 | | NO | 1.865 | | 3.18 | 1.865 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 0.993 | 0.00 | | 0.000 | | NO | 2.454 | | 8.12 | 4.050 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 0.993 | 0.00 | | 0.000 | | NO | 1.464 | | 14.3 | 8.805 |

| F. Name | Pred.RT | RT | ml Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|------------|---------|-------|---------|---------|-----------------|------|-----|--------|---------|
| 87 PCB-110 | 39.77 | 39.76 | 1.580e2 | 1.783e2 | 1.580 | 0.89 | YES | 1.1584 | 0.00000 |



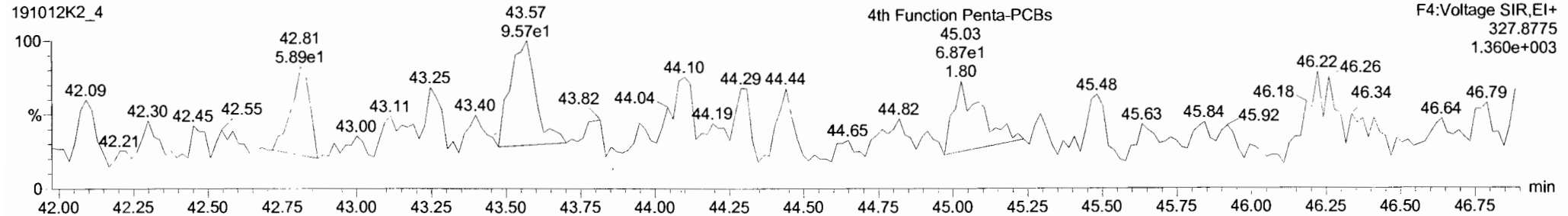
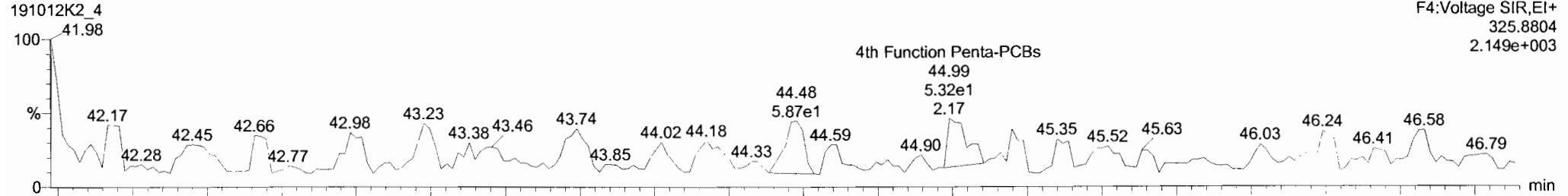
Dataset: Untitled

Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

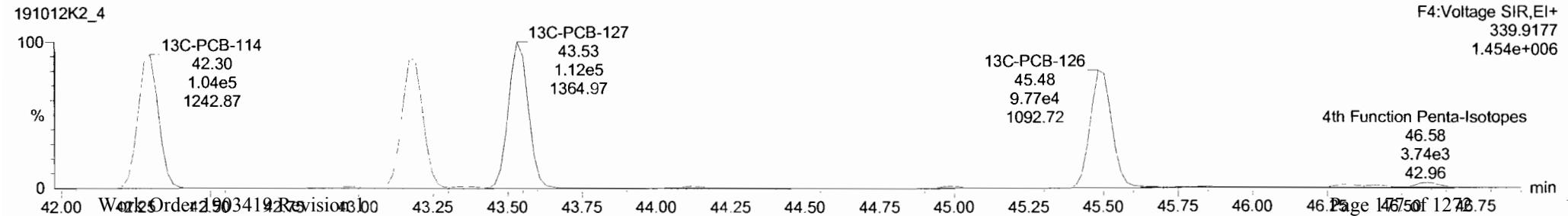
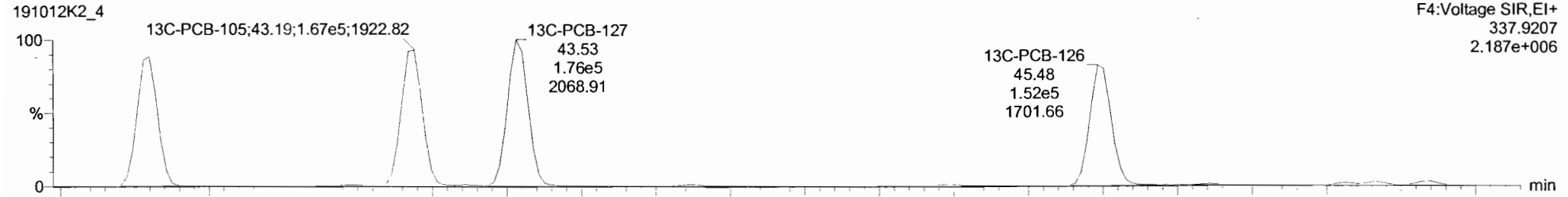
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-114



13C-PCB-114



Dataset: Untitled

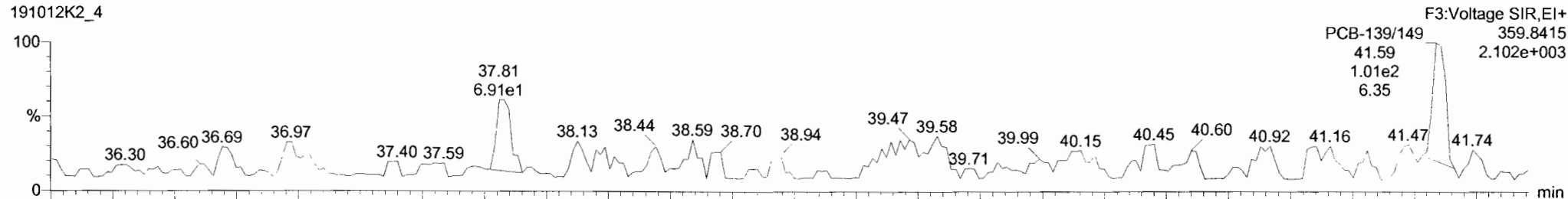
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

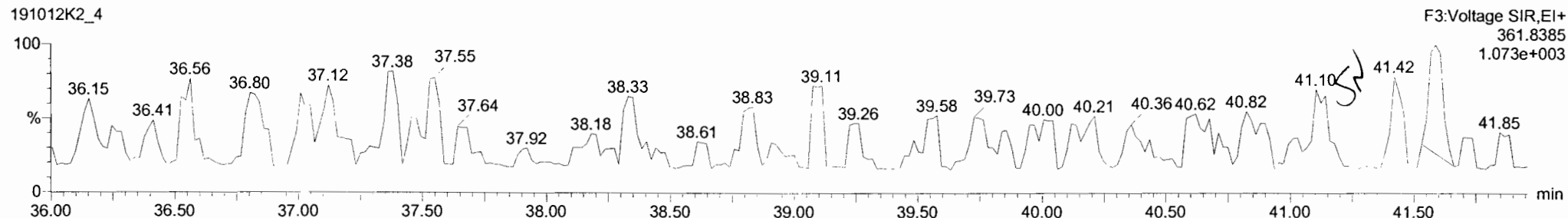
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-155

191012K2_4

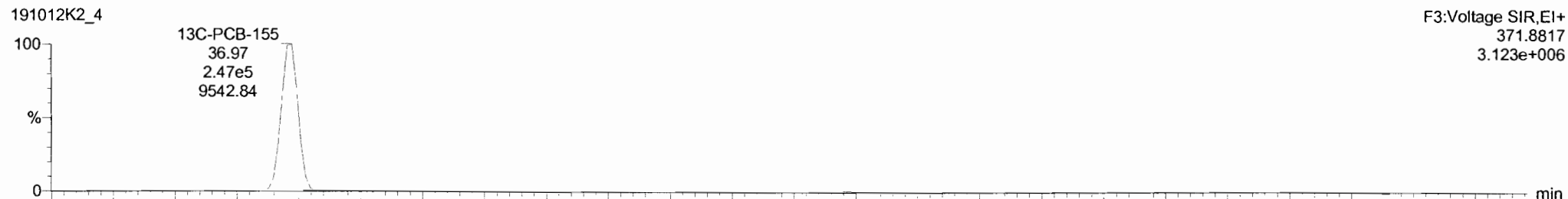


191012K2_4

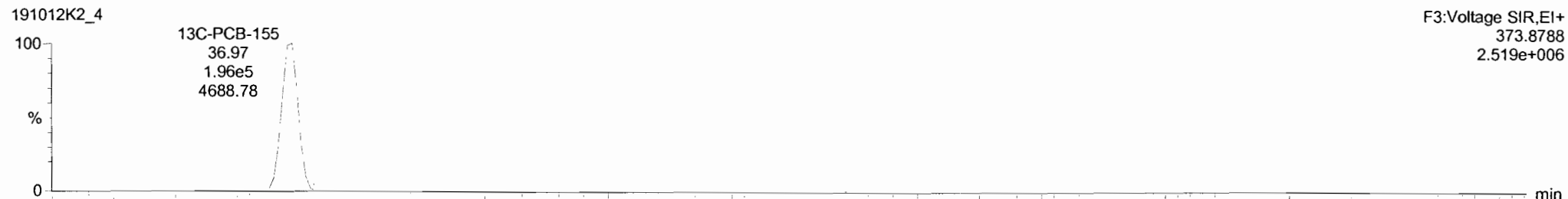


13C-PCB-155

191012K2_4



191012K2_4

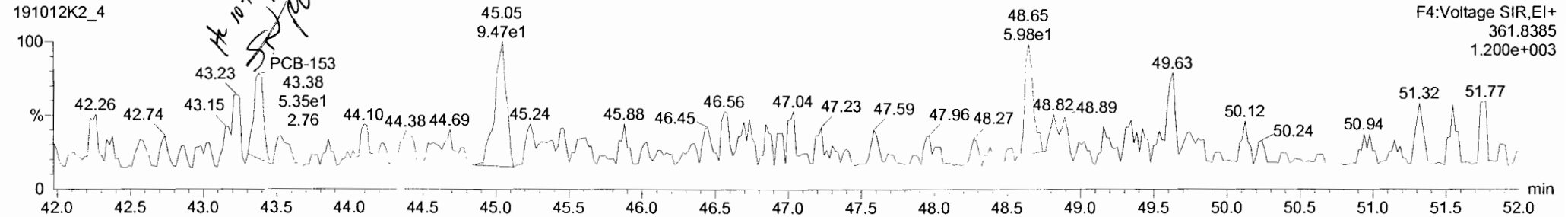
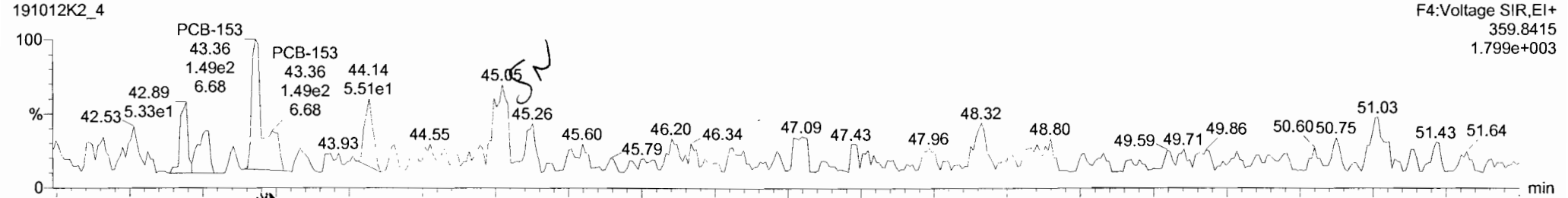


Dataset: Untitled

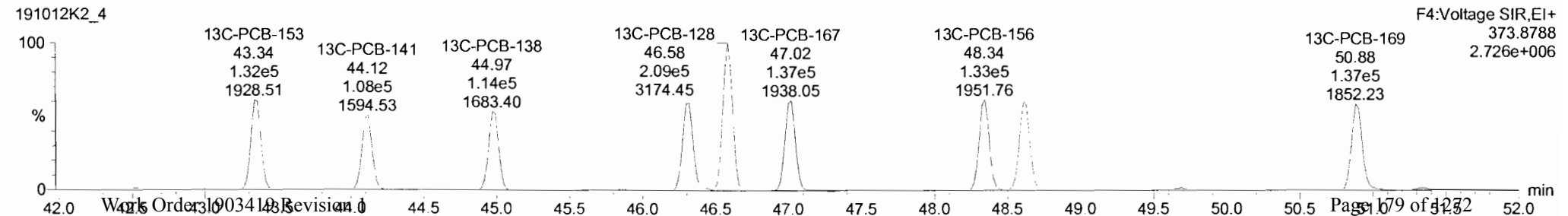
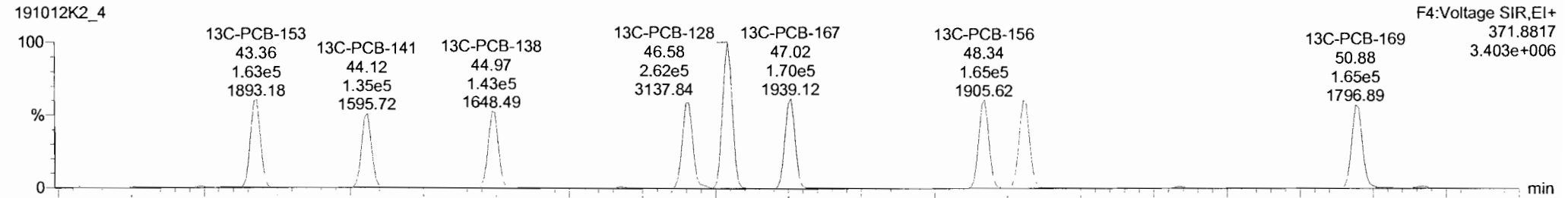
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-134/143

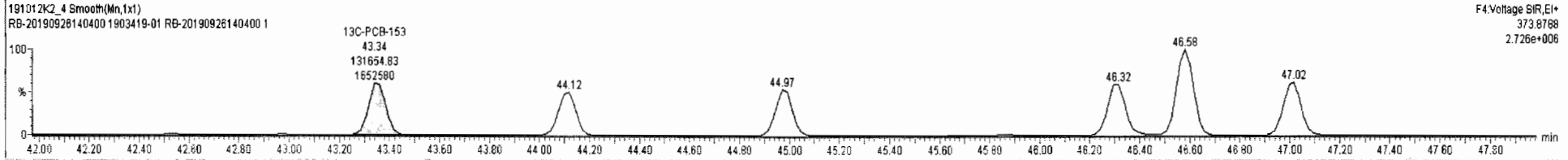
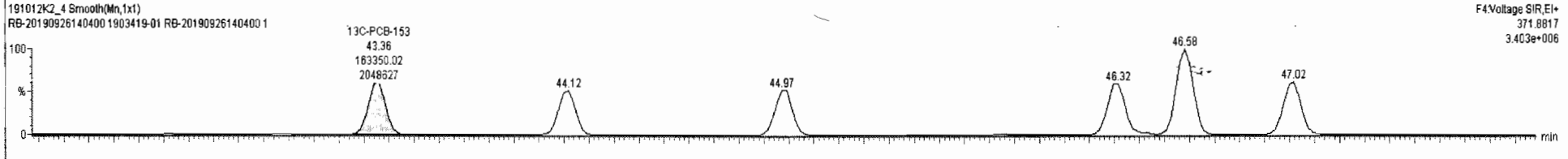
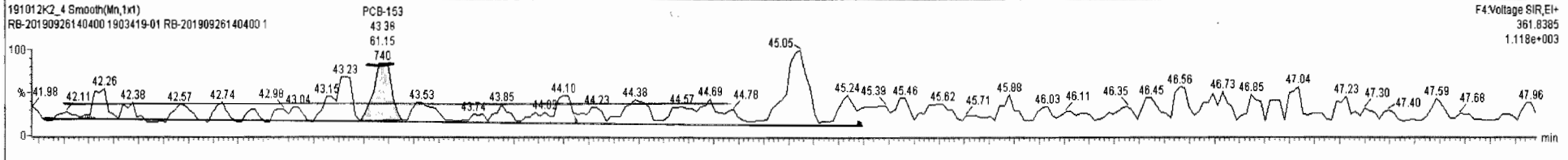
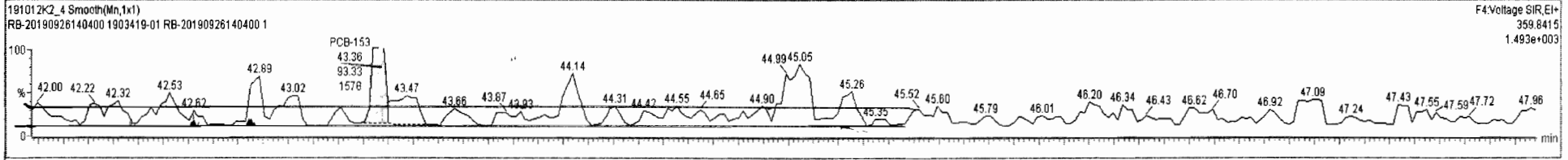


13C-PCB-153



| # | Name | Resp | RA | nly | RRF | wt/nd | Pred RT | RT | Pred.R. | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|----|---------|-----|----------|--------|------|-------|--------|
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 0.993 | 0.00 | | 0.000 | | NO | | | 3.83 | |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 0.993 | 0.00 | | 0.000 | | NO | | | 6.76 | |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 0.993 | 0.00 | | 0.000 | | NO | 0.0000 | | 11.5 | 0.9243 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 0.993 | 0.00 | | 0.000 | | NO | | | 10.1 | |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 0.993 | 0.00 | | 0.000 | | NO | | | 2.20 | |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 0.993 | 0.00 | | 0.000 | | NO | | | 0.971 | |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 0.993 | 0.00 | | 0.000 | | NO | | | 0.657 | |
| 237 | 237 Deca-CB | | | | 0.9426 | 0.993 | 0.00 | | 0.000 | | NO | | | 0.270 | |

| F | Name | Pred RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | nly | EMPC | Conc. |
|---|-----------|---------|-------|---------|---------|----------------|------|-----|---------|---------|
| 1 | 1 PCB-153 | 43.38 | 43.36 | 9.333e1 | 6.115e1 | 1.240 | 1.53 | YES | 0.92429 | 0.00000 |



Dataset: Untitled

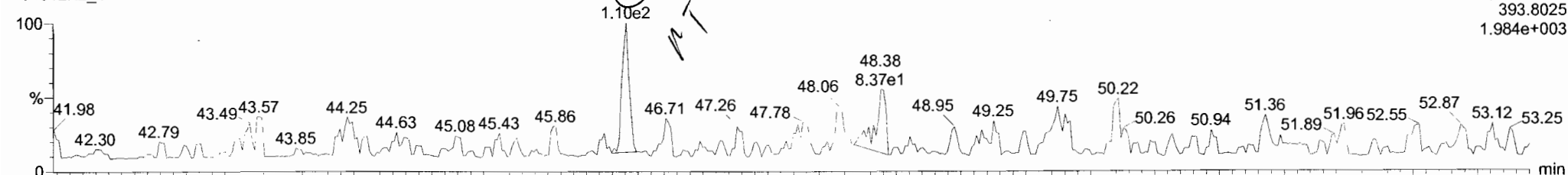
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

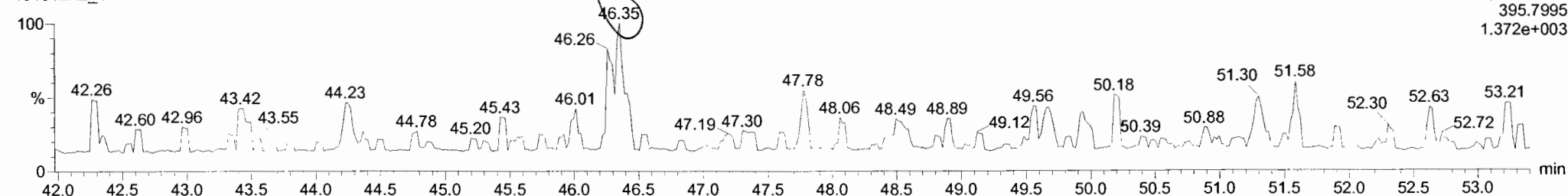
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-188

191012K2_4

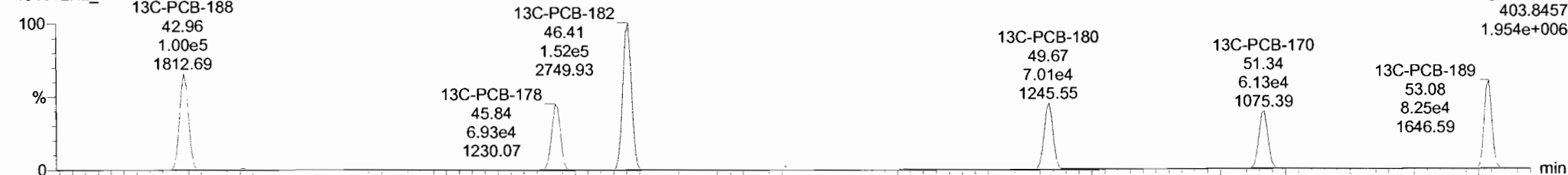


191012K2_4

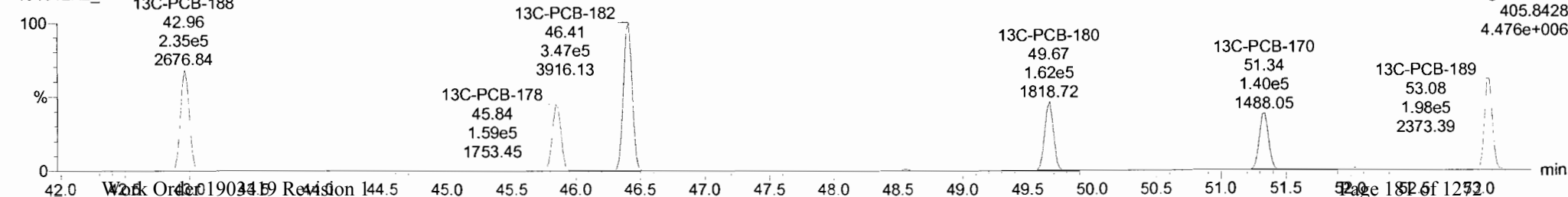


13C-PCB-188

191012K2_4



191012K2_4



Dataset: Untitled

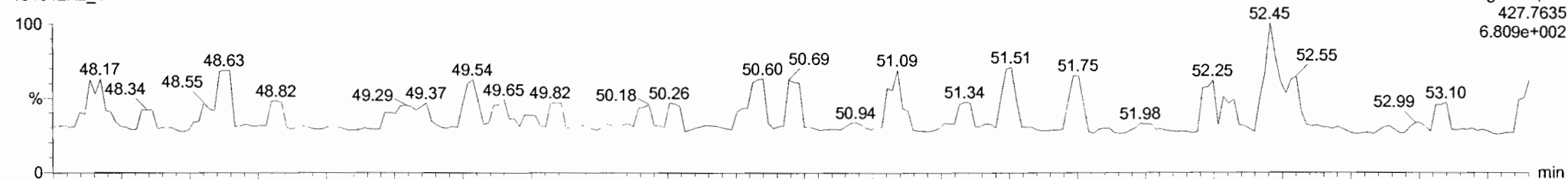
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

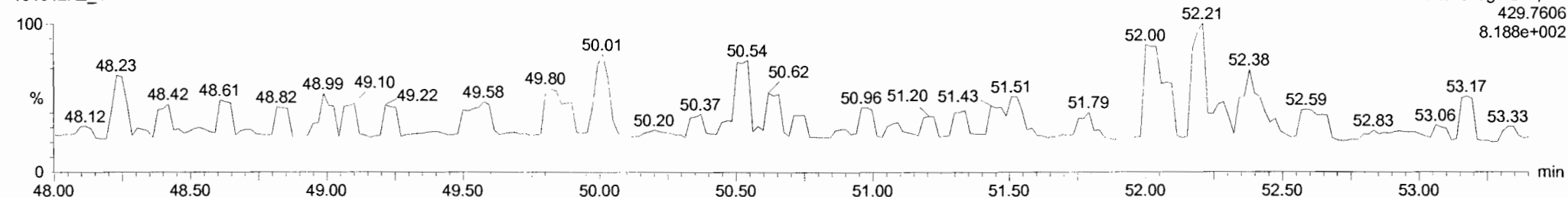
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-202

191012K2_4

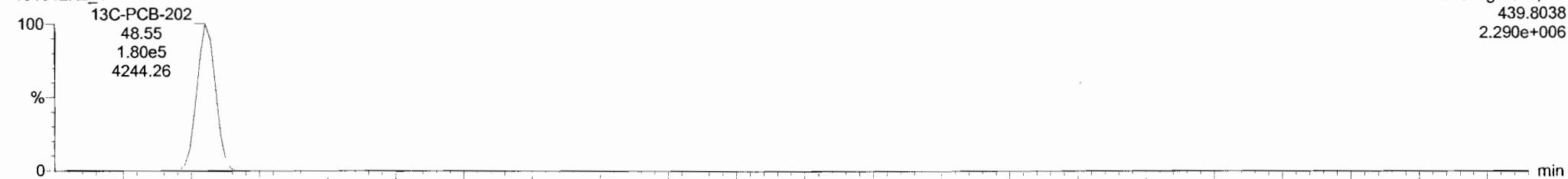


191012K2_4

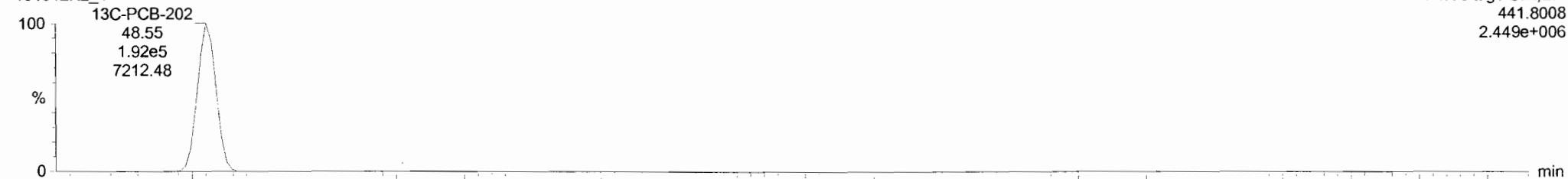


13C-PCB-202

191012K2_4



191012K2_4



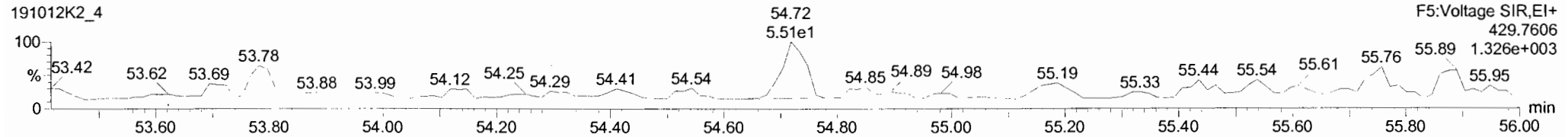
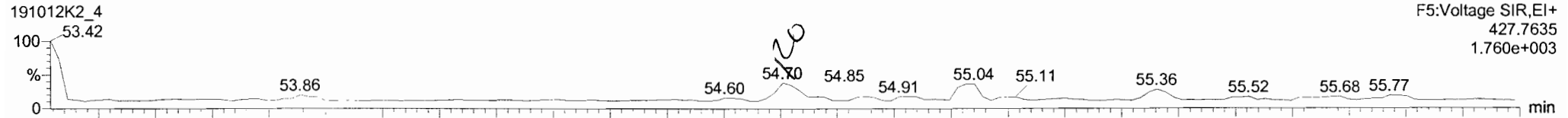
Dataset: Untitled

Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

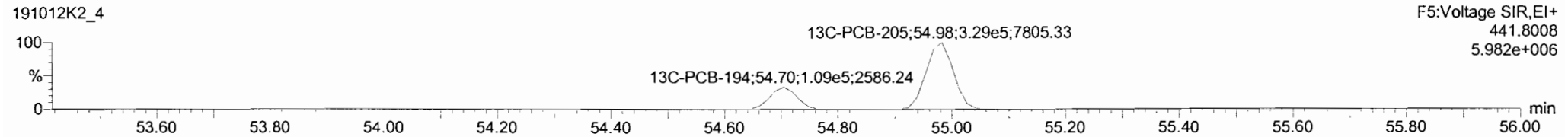
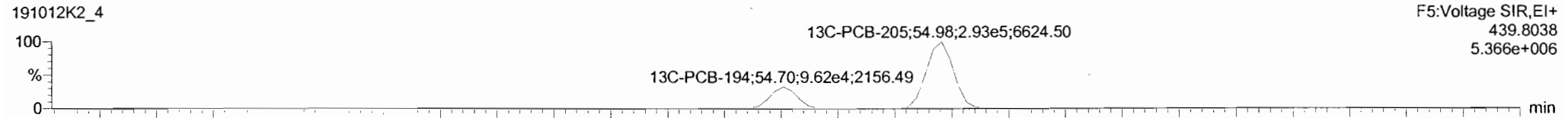
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

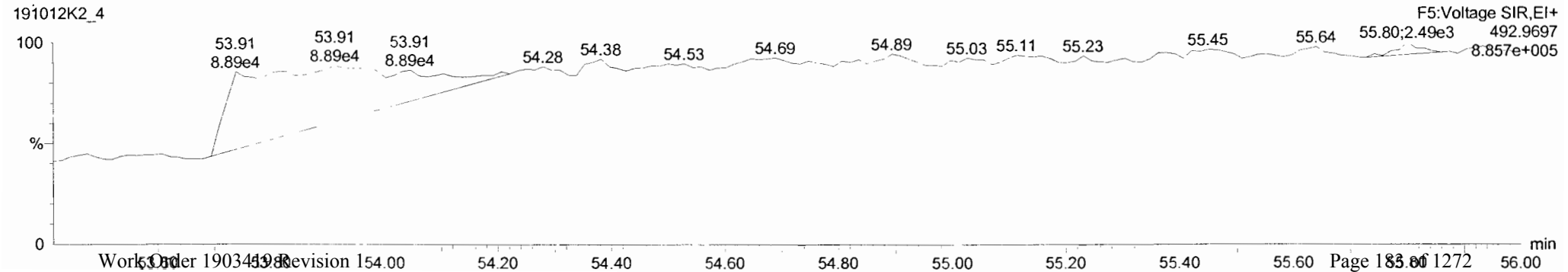
PCB-195



13C-PCB-194

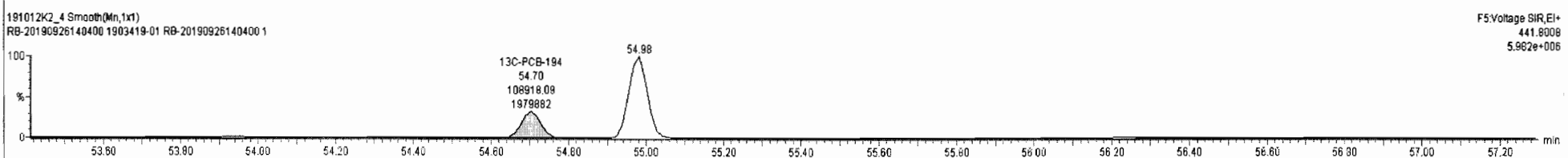
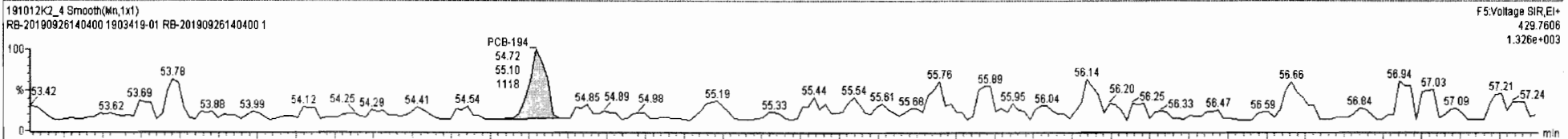
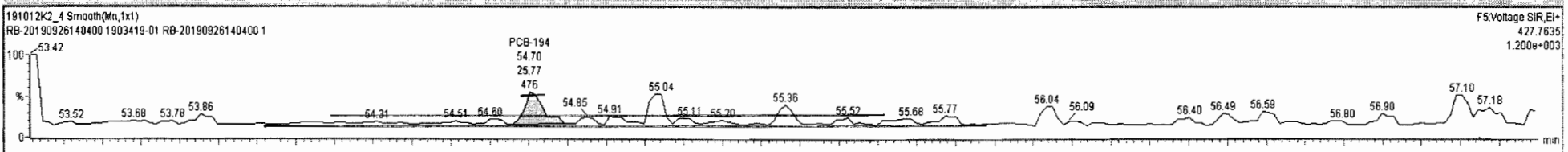


PFK5



| # | Name | Resp | RA | nly | RRF | wtVol | Pred.RT | RT | Pred.RT | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|------|----|-----|--------|-------|---------|----|---------|-----|----------|--------|------|-------|--------|
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 0.993 | 0.00 | | 0.000 | | NO | | | 3.83 | |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 0.993 | 0.00 | | 0.000 | | NO | | | 6.76 | |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 0.993 | 0.00 | | 0.000 | | NO | 0.0000 | | 11.5 | 0.9243 |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 0.993 | 0.00 | | 0.000 | | NO | | | 10.1 | |
| 234 | 4th Function Octa-PCBs | | | | 0.8663 | 0.993 | 0.00 | | 0.000 | | NO | | | 2.20 | |
| 235 | 5th Function Octa-PCBs | | | | 1.1967 | 0.993 | 0.00 | | 0.000 | | NO | 0.0000 | | 0.749 | 0.4848 |
| 236 | Total Nona-PCBs | | | | 0.9446 | 0.993 | 0.00 | | 0.000 | | NO | | | 0.657 | |
| 237 | Deca-CB | | | | 0.9426 | 0.993 | 0.00 | | 0.000 | | NO | | | 0.270 | |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1% Ratio (Pred) | RA | nly | EMPC | Conc. |
|---|---------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | PCB-194 | 54.72 | 54.70 | 2.577e1 | 5.510e1 | 0.890 | 0.47 | YES | 0.46489 | 0.00000 |



Dataset: Untitled

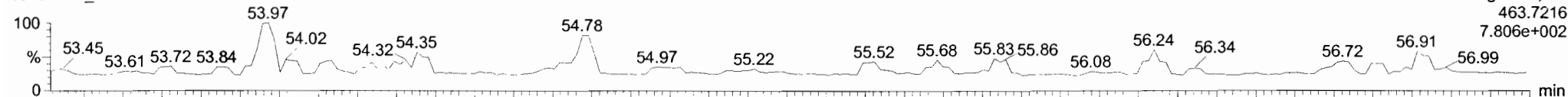
Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

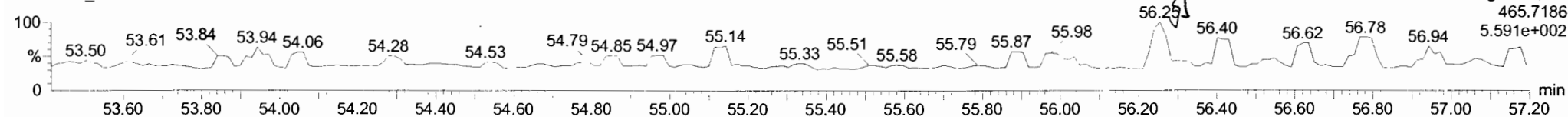
Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

PCB-208

191012K2_4

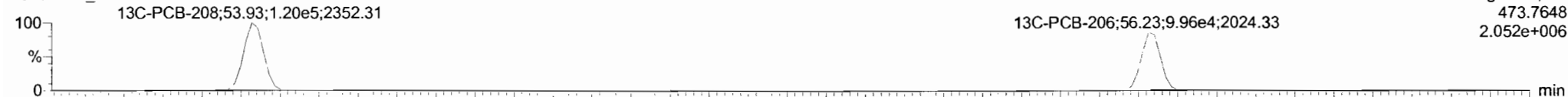


191012K2_4

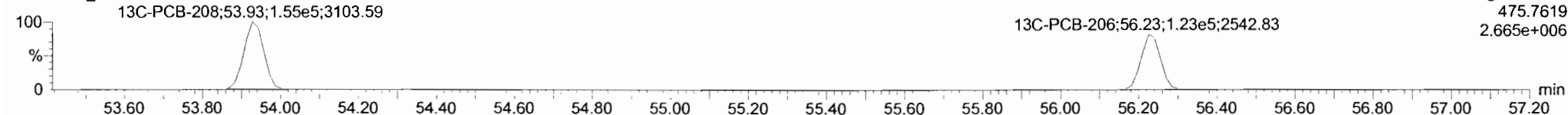


13C-PCB-208

191012K2_4

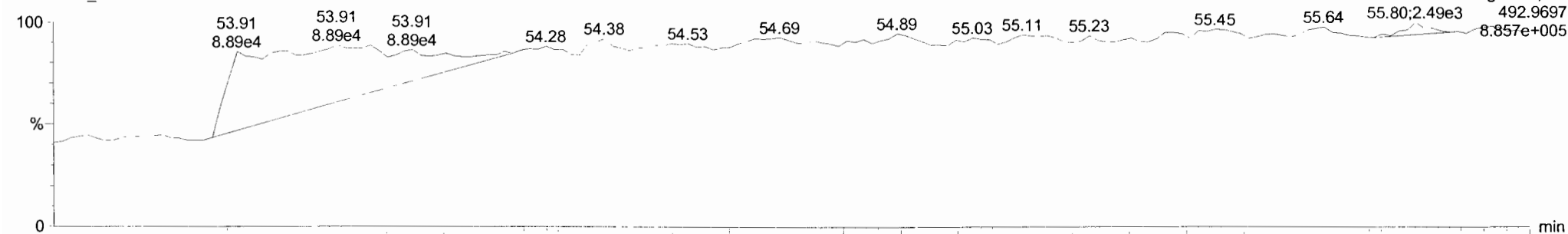


191012K2_4



PFK5

191012K2_4



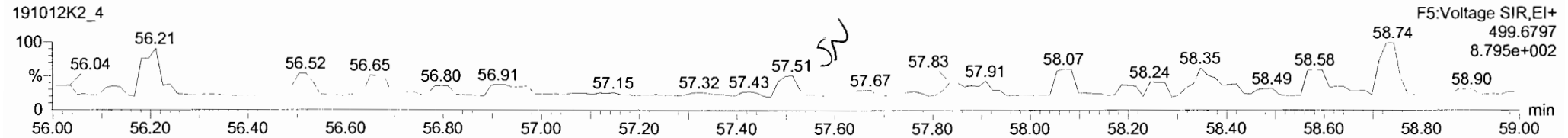
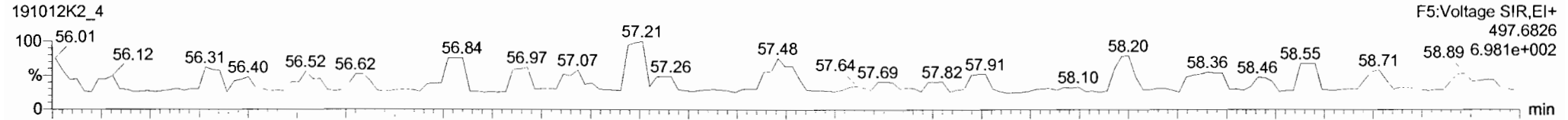
Dataset: Untitled

Last Altered: Monday, October 14, 2019 16:04:00 Pacific Daylight Time

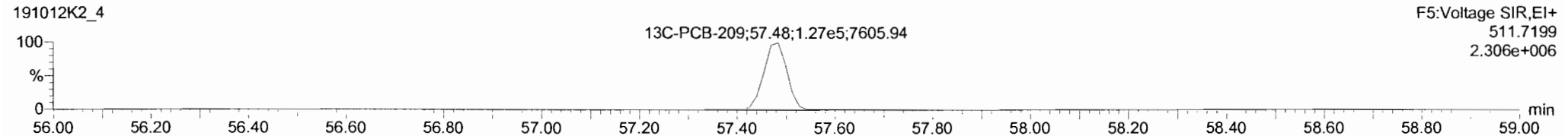
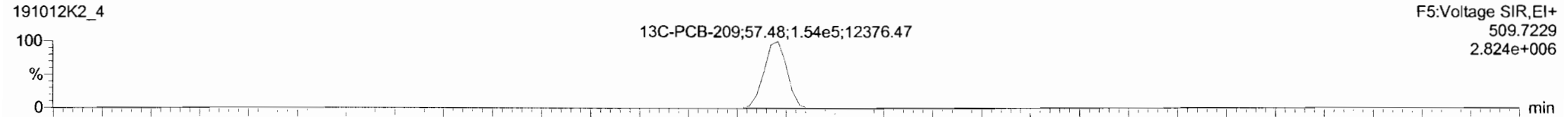
Printed: Monday, October 14, 2019 16:04:43 Pacific Daylight Time

Name: 191012K2_4, Date: 13-Oct-2019, Time: 05:28:04, ID: 1903419-01 RB-20190926140400 1, Description: RB-20190926140400

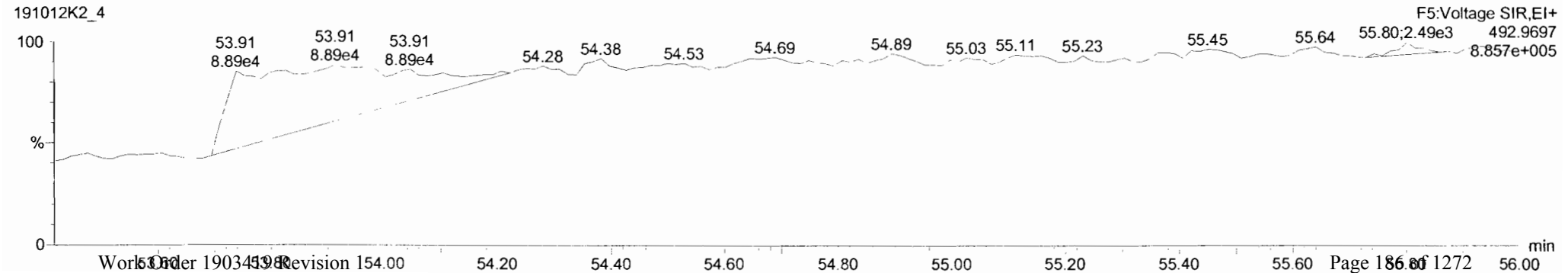
PCB-209



13C-PCB-209



PFK5



SAMPLE DATA – EPA METHOD 1699

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-14.qld

Last Altered: Tuesday, October 22, 2019 15:03:43 Pacific Daylight Time

Printed: Tuesday, October 22, 2019 15:06:00 Pacific Daylight Time

GRB 10/22/19 10/22/19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|----|-----------------------------|---------|---------|------|-----|-------|--------|---------|-------|-------|----------|----------|------|------|--------|-------|
| 1 | 2 Hexachlorobenzene | 6.00e3 | 1.62e6 | 1.20 | NO | 0.840 | 1.000 | 23.12 | 23.11 | 1.001 | 1.001 | NO | 4.40 | | 0.131 | 4.40 |
| 2 | 3 Alpha-BHC | | 7.60e5 | | NO | 0.751 | 1.000 | 23.69 | | | 1.002 | NO | | | 2.29 | |
| 3 | 4 Lindane (gamma-BHC) | | 6.96e5 | | NO | 0.717 | 1.000 | 27.00 | | | 1.001 | NO | | | 3.26 | |
| 4 | 5 Beta-BHC | | 5.01e5 | | NO | 0.870 | 1.000 | 29.00 | | | 1.000 | NO | | | 2.83 | |
| 5 | 6 Delta-BHC | | 5.73e5 | | NO | 0.817 | 1.000 | 30.68 | | | 1.001 | YES | | | 2.38 | |
| 6 | 7 Heptachlor | 6.91e2 | 5.25e5 | 0.26 | YES | 0.868 | 1.000 | 29.15 | 29.18 | 1.002 | 1.001 | NO | 1.52 | | 0.685 | 0.558 |
| 7 | 9 Aldrin | | 6.00e5 | | NO | 0.946 | 1.000 | 31.25 | | | 1.001 | YES | | | 0.985 | |
| 8 | 10 Oxychlorane | | 1.68e5 | | NO | 0.926 | 1.000 | 33.82 | | | 1.001 | YES | | | 3.21 | |
| 9 | 11 cis-Heptachlor Epoxide | | 2.17e5 | | NO | 0.937 | 1.000 | 34.61 | | | 1.001 | YES | | | 2.33 | |
| 10 | 12 trans-Heptachlor Epox... | | 2.17e5 | | NO | 0.238 | 1.000 | 35.11 | | | 1.015 | YES | | | 9.14 | |
| 11 | 13 trans-Chlordane (gam... | | 1.63e5 | | NO | 0.980 | 1.000 | 35.52 | | | 1.001 | YES | | | 2.76 | |
| 12 | 14 trans-Nonachlor | | 1.75e5 | | NO | 0.902 | 1.000 | 35.71 | | | 1.001 | YES | | | 2.83 | |
| 13 | 15 cis-Chlordane | | 1.75e5 | | NO | 0.899 | 1.000 | 36.20 | | | 1.015 | NO | | | 2.84 | |
| 14 | 16 Endosulfan I (alpha) | | 1.10e5 | | NO | 1.03 | 1.000 | 36.29 | | | 1.001 | YES | | | 3.84 | |
| 15 | 18 2,4'-DDE | | 3.52e6 | | NO | 0.758 | 1.000 | 36.16 | | | 1.000 | YES | | | 1.87 | |
| 16 | 19 4,4'-DDE | | 2.52e6 | | NO | 0.771 | 1.000 | 37.25 | | | 1.000 | NO | | | 2.47 | |
| 17 | 20 Dieldrin | | 2.63e5 | | NO | 0.927 | 1.000 | 37.75 | | | 1.000 | YES | | | 2.48 | |
| 18 | 21 Endrin | | 1.91e5 | | NO | 0.902 | 1.000 | 39.13 | | | 1.000 | YES | | | 3.18 | |
| 19 | 22 cis-Nonachlor | | 1.50e5 | | NO | 0.913 | 1.000 | 39.42 | | | 1.000 | YES | | | 4.27 | |
| 20 | 23 Endosulfan II (beta) | 1.08e3 | 4.33e4 | 3.84 | YES | 1.03 | 1.000 | 40.14 | 40.14 | 1.000 | 1.000 | NO | 24.2 | | 13.9 | 12.8 |
| 21 | 24 2,4'-DDD | | 2.21e6 | | NO | 0.890 | 1.000 | 38.37 | | | 1.000 | YES | | | 4.21 | |
| 22 | 25 2,4'-DDT | | 1.50e6 | | NO | 0.865 | 1.000 | 39.50 | | | 1.000 | YES | | | 6.53 | |
| 23 | 26 4,4'-DDD | | 1.90e6 | | NO | 0.971 | 1.000 | 39.64 | | | 1.000 | YES | | | 4.19 | |
| 24 | 27 4,4'-DDT | | 1.29e6 | | NO | 0.974 | 1.000 | 40.71 | | | 1.000 | NO | | | 6.44 | |
| 25 | 28 Endosulfan Sulfate | | 7.00e4 | | NO | 0.896 | 1.000 | 41.86 | | | 1.000 | YES | | | 8.61 | |
| 26 | 29 4,4'-Methoxychlor | | 1.23e7 | | NO | 1.10 | 1.000 | 43.74 | | | 1.000 | NO | | | 1.98 | |
| 27 | 30 Mirex | | 5.35e5 | | NO | 0.870 | 1.000 | 44.34 | | | 1.000 | YES | | | 1.53 | |
| 28 | 31 Endrin Aldehyde | | 8.43e5 | | NO | 0.962 | 1.000 | 41.28 | | | 1.000 | YES | | | 5.28 | |
| 29 | 32 Endrin Ketone | | 7.37e5 | | NO | 0.867 | 1.000 | 44.46 | | | 1.000 | YES | | | 7.27 | |
| 30 | 34 13C6-Hexachlorobenz... | 1.62e6 | 3.61e6 | 1.27 | NO | 0.710 | 1.000 | 23.10 | 23.10 | 0.873 | 0.873 | NO | 632 | 63.2 | 0.0999 | |
| 31 | 35 1903-BHC | 17.60e5 | 3.61e6 | 0.77 | NO | 0.255 | 1.000 | 23.64 | 23.64 | 0.893 | 0.893 | NO | 824 | 82.4 | | |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-14.qld

Last Altered: Tuesday, October 22, 2019 15:03:43 Pacific Daylight Time

Printed: Tuesday, October 22, 2019 15:06:00 Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|-------|-----|--------|--------|---------|-------|-------|----------|----------|------|------|-------|------|
| 32 | 36 13C6-Lindane (gamma) | 6.96e5 | 3.61e6 | 0.92 | NO | 0.216 | 1.000 | 26.97 | 26.97 | 1.019 | 1.019 | NO | 893 | 89.3 | 4.30 | |
| 33 | 37 13C6-Beta-BHC | 5.01e5 | 3.61e6 | 0.77 | NO | 0.162 | 1.000 | 29.01 | 28.99 | 1.095 | 1.096 | NO | 854 | 85.4 | 5.71 | |
| 34 | 38 13C6-Delta-BHC | 5.73e5 | 3.61e6 | 0.76 | NO | 0.185 | 1.000 | 30.69 | 30.66 | 1.158 | 1.159 | NO | 859 | 85.9 | 5.02 | |
| 35 | 39 13C10-Heptachlor | 5.25e5 | 3.61e6 | 1.25 | NO | 0.178 | 1.000 | 29.10 | 29.12 | 1.100 | 1.099 | NO | 817 | 81.7 | 0.748 | |
| 36 | 40 13C12-Aldrin | 6.00e5 | 3.61e6 | 1.64 | NO | 0.186 | 1.000 | 31.24 | 31.22 | 1.180 | 1.180 | NO | 891 | 89.1 | 2.00 | |
| 37 | 41 13C10-Oxychlorane | 1.68e5 | 3.61e6 | 1.59 | NO | 0.0499 | 1.000 | 33.82 | 33.80 | 1.277 | 1.278 | NO | 932 | 93.2 | 7.49 | |
| 38 | 42 13C10-cis-Heptachlor ... | 2.17e5 | 3.61e6 | 1.60 | NO | 0.0657 | 1.000 | 34.61 | 34.59 | 1.307 | 1.308 | NO | 912 | 91.2 | 5.68 | |
| 39 | 43 13C10-trans-Chlordan... | 1.63e5 | 3.61e6 | 1.62 | NO | 0.0525 | 1.000 | 35.52 | 35.50 | 1.341 | 1.342 | NO | 857 | 85.7 | 7.10 | |
| 40 | 44 13C10-trans-Nonachlor | 1.75e5 | 3.61e6 | 1.61 | NO | 0.0587 | 1.000 | 35.71 | 35.69 | 1.348 | 1.349 | NO | 825 | 82.5 | 6.36 | |
| 41 | 45 13C9-Endosulfan I (al... | 1.10e5 | 3.61e6 | 1.64 | NO | 0.0343 | 1.000 | 36.31 | 36.27 | 1.370 | 1.372 | NO | 889 | 88.9 | 10.9 | |
| 42 | 46 13C12-2,4'-DDE | 3.52e6 | 3.61e6 | 1.56 | NO | 1.01 | 1.000 | 36.17 | 36.15 | 0.996 | 0.996 | NO | 964 | 96.4 | 3.02 | |
| 43 | 47 13C12-4,4'-DDE | 2.52e6 | 3.61e6 | 1.56 | NO | 0.760 | 1.000 | 37.23 | 37.23 | 1.025 | 1.025 | NO | 917 | 91.7 | 4.01 | |
| 44 | 48 13C12-Dieldrin | 2.63e5 | 3.61e6 | 1.60 | NO | 0.0797 | 1.000 | 37.73 | 37.73 | 1.039 | 1.039 | NO | 914 | 91.4 | 5.88 | |
| 45 | 49 13C12-Endrin | 1.91e5 | 3.61e6 | 1.57 | NO | 0.0599 | 1.000 | 39.13 | 39.13 | 1.078 | 1.078 | NO | 883 | 88.3 | 7.83 | |
| 46 | 50 13C10-cis-Nonachlor | 1.50e5 | 3.61e6 | 1.61 | NO | 0.0486 | 1.000 | 39.41 | 39.41 | 1.085 | 1.085 | NO | 854 | 85.4 | 9.65 | |
| 47 | 51 13C9-Endosulfan II | 4.33e4 | 3.61e6 | 1.55 | NO | 0.0145 | 1.000 | 40.15 | 40.14 | 1.105 | 1.106 | NO | 824 | 82.4 | 32.3 | |
| 48 | 52 13C12-2,4'-DDD | 2.21e6 | 3.61e6 | 1.58 | NO | 0.653 | 1.000 | 38.40 | 38.37 | 1.450 | 1.451 | NO | 936 | 93.6 | 2.29 | |
| 49 | 53 13C12-2,4'-DDT | 1.50e6 | 3.61e6 | 1.59 | NO | 0.443 | 1.000 | 39.51 | 39.49 | 1.492 | 1.493 | NO | 936 | 93.6 | 3.38 | |
| 50 | 54 13C12-4,4'-DDD | 1.90e6 | 3.61e6 | 1.58 | NO | 0.550 | 1.000 | 39.64 | 39.62 | 1.497 | 1.498 | NO | 957 | 95.7 | 2.72 | |
| 51 | 55 13C12-4,4'-DDT | 1.29e6 | 3.61e6 | 1.59 | NO | 0.354 | 1.000 | 40.71 | 40.69 | 1.537 | 1.538 | NO | 1010 | 101 | 4.23 | |
| 52 | 56 13C9-Endosulfan Sulf... | 7.00e4 | 3.61e6 | 1.50 | NO | 0.0239 | 1.000 | 41.86 | 41.86 | 1.153 | 1.153 | NO | 809 | 80.9 | 19.4 | |
| 53 | 57 13C12-Methoxychlor | 1.23e7 | 3.61e6 | 22.54 | NO | 0.362 | 1.000 | 43.72 | 43.73 | 1.204 | 1.204 | NO | 9440 | 94.4 | 12.1 | |
| 54 | 58 13C10-Mirex | 5.35e5 | 3.61e6 | 1.57 | NO | 0.184 | 1.000 | 44.32 | 44.31 | 1.220 | 1.220 | NO | 807 | 80.7 | 3.31 | |
| 55 | 59 13C12-Endrin Aldehyde | 8.43e5 | 3.61e6 | 0.44 | NO | 0.0307 | 1.000 | 41.26 | 41.26 | 1.136 | 1.136 | NO | 7600 | 76.0 | 19.5 | |
| 56 | 60 13C12-Endrin Ketone | 7.37e5 | 3.61e6 | 0.44 | NO | 0.0240 | 1.000 | 44.44 | 44.46 | 1.224 | 1.224 | NO | 8500 | 85.0 | 24.9 | |
| 57 | 62 13C-PCB-15 | 3.61e6 | 3.61e6 | 1.47 | NO | 1.00 | 1.000 | 26.42 | 26.47 | 1.000 | 1.000 | NO | 1000 | 100 | 0.552 | |

Dataset: Untitled

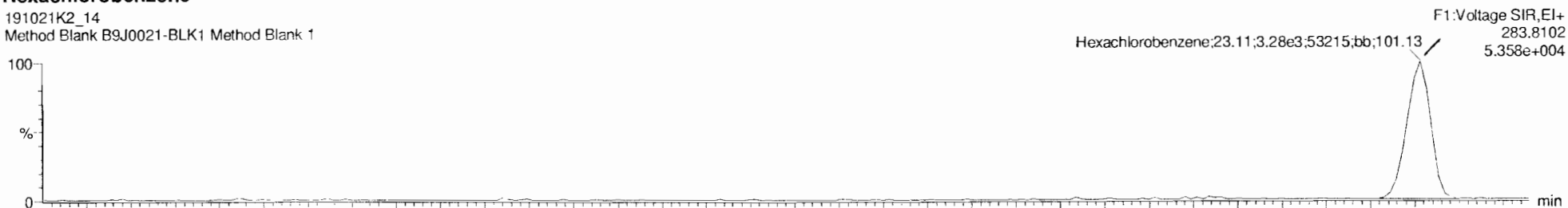
Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

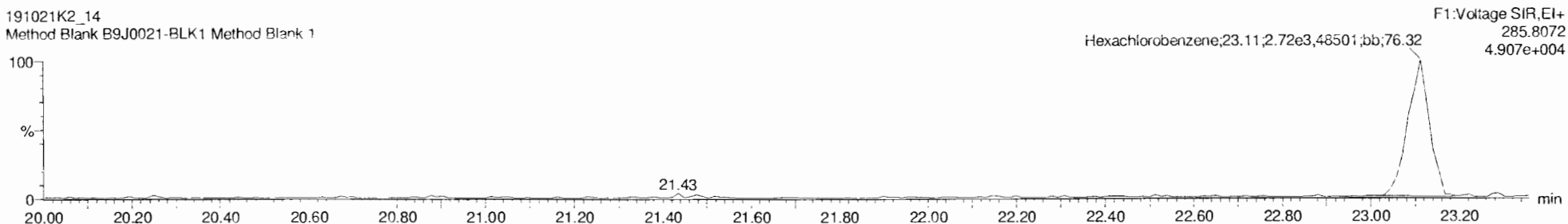
Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

Hexachlorobenzene

191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

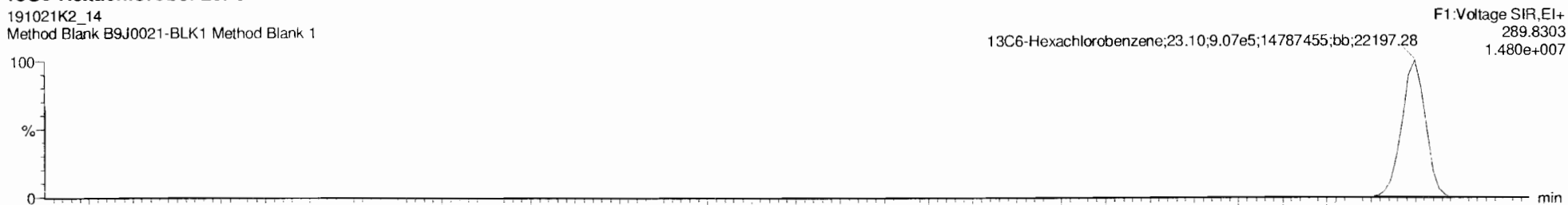


191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

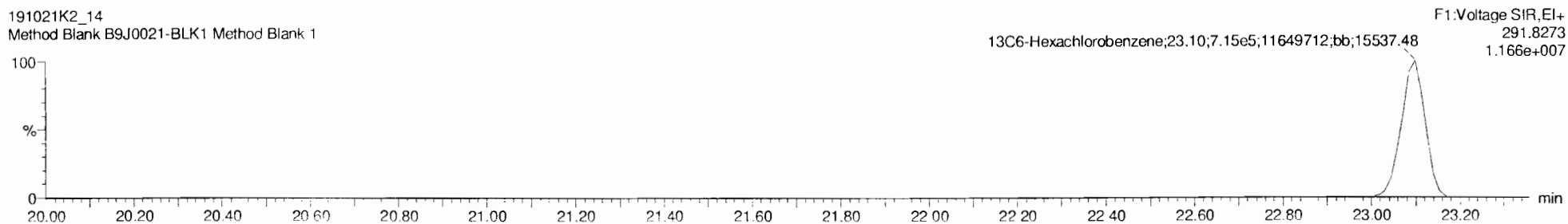


13C6-Hexachlorobenzene

191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

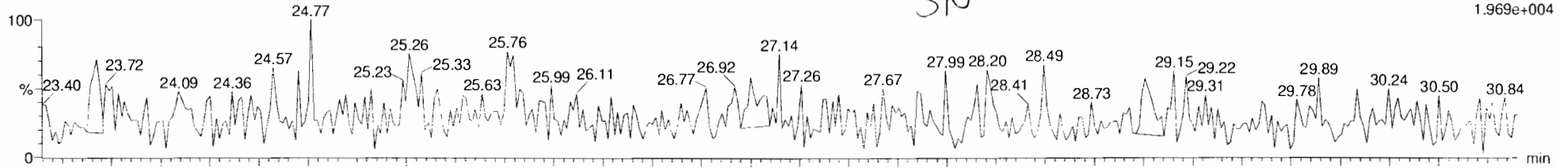
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

BHC Totals

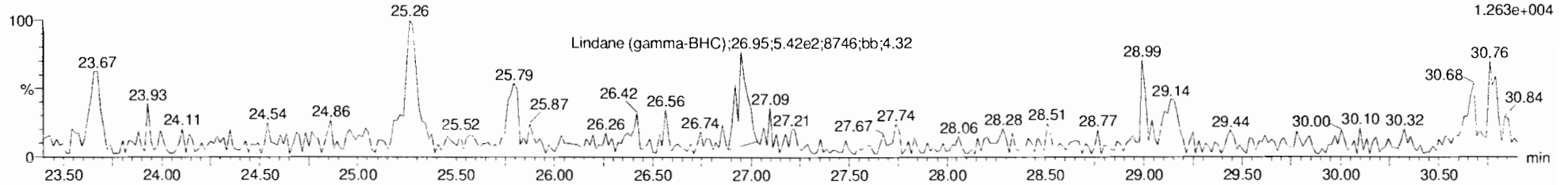
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F2:Voltage SIR,EI+
218.9116
1.969e+004



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

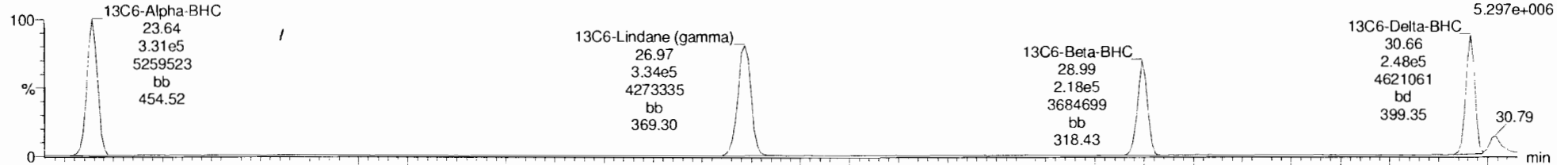
F2:Voltage SIR,EI+
220.9086
1.263e+004



BHC-isotopes

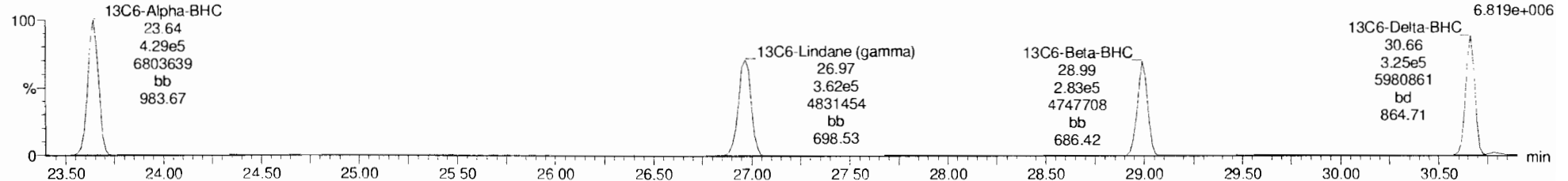
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F2:Voltage SIR,EI+
222.9346
5.297e+006



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F2:Voltage SIR,EI+
224.9317
6.819e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

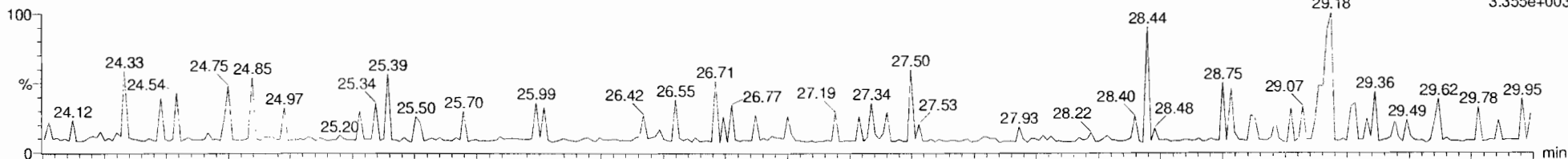
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

Heptachlor

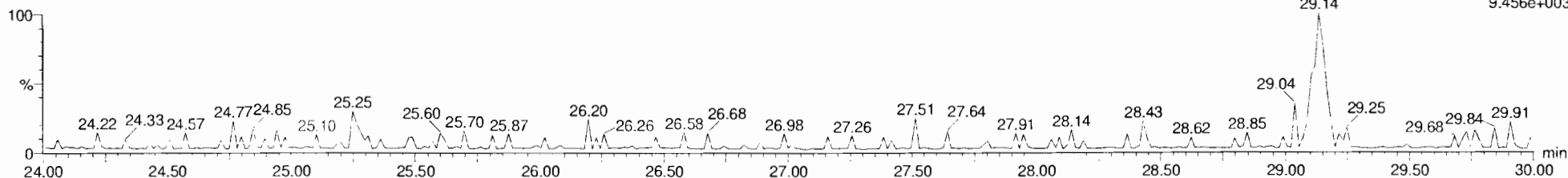
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F2:Voltage SIR,EI+
271.8102
3.355e+003



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

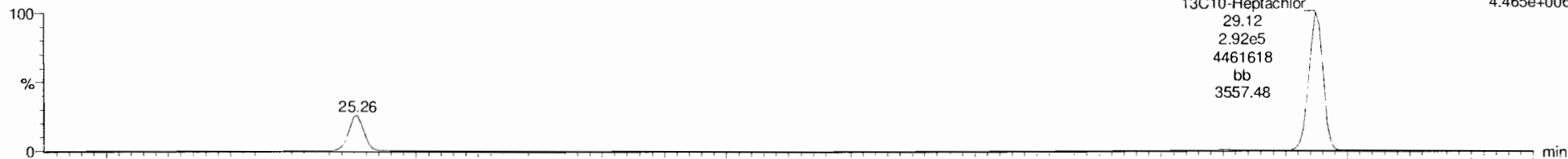
F2:Voltage SIR,EI+
273.8072
9.456e+003



¹³C10-Heptachlor

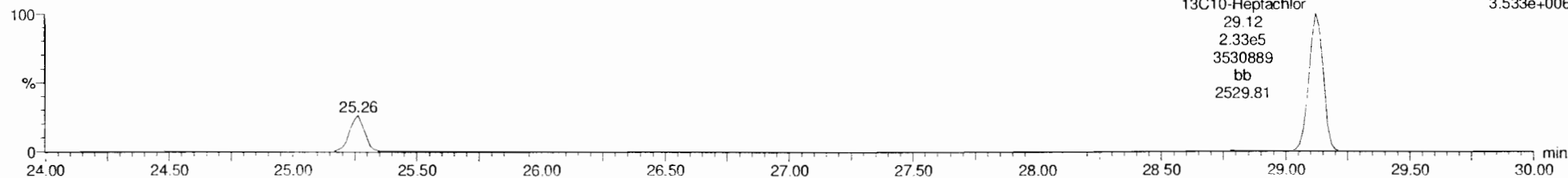
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

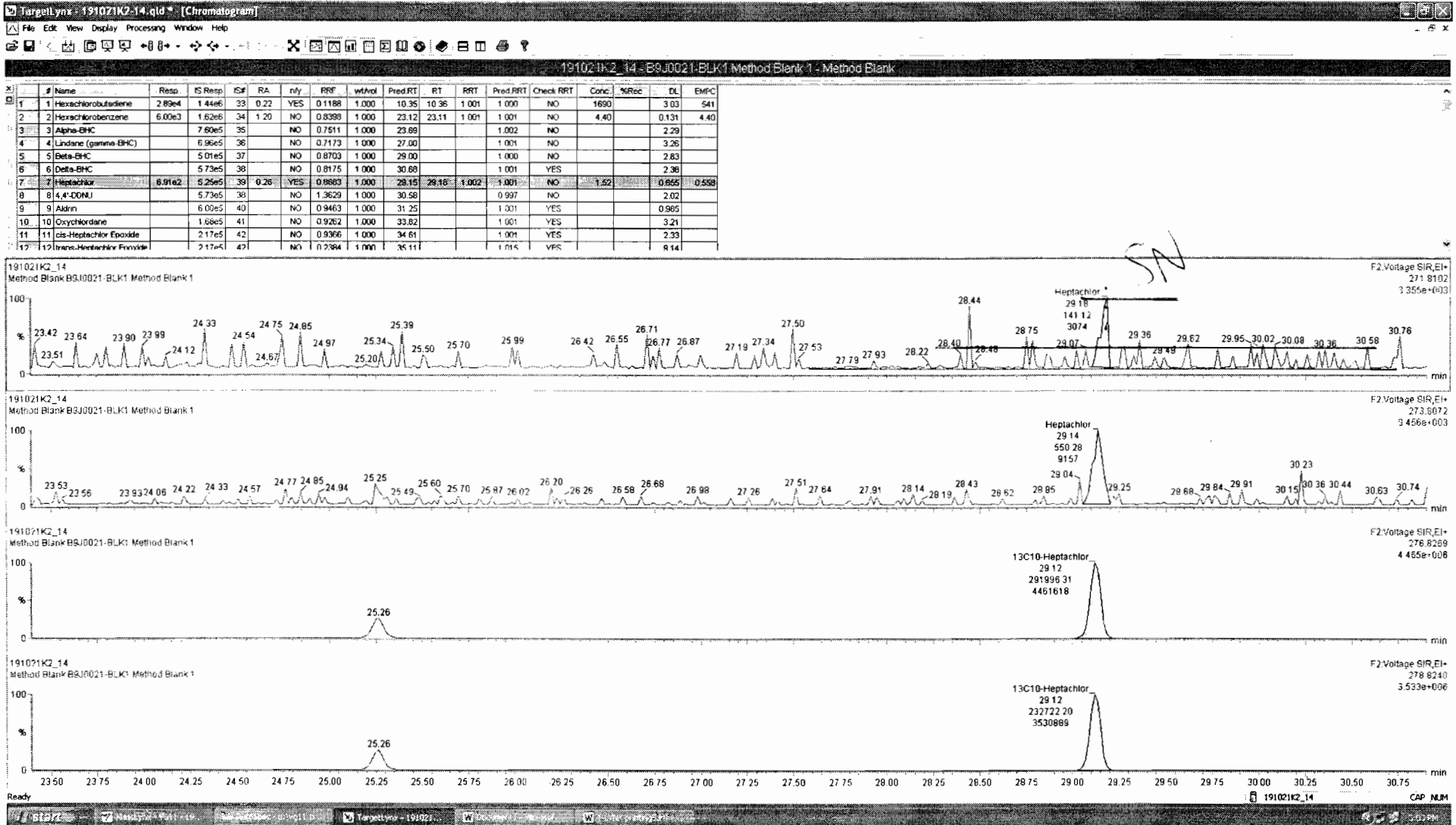
F2:Voltage SIR,EI+
276.8269
4.465e+006



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F2:Voltage SIR,EI+
278.8240
3.533e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

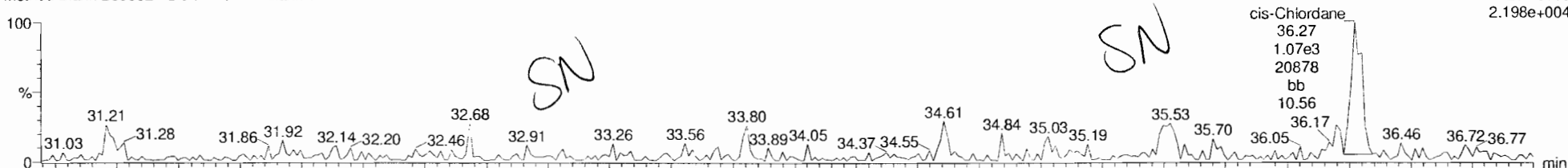
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

Aldrin-EI

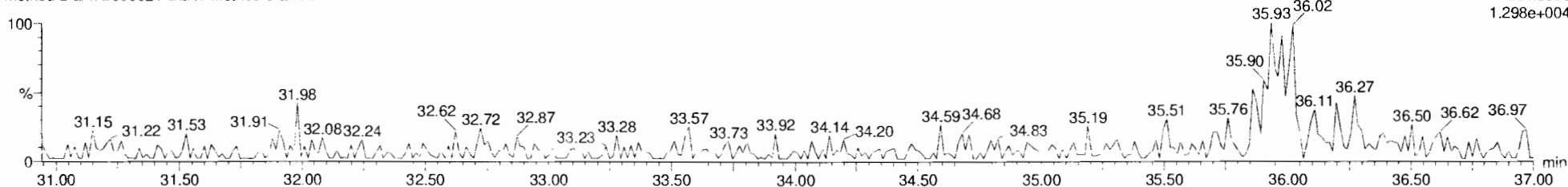
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F3:Voltage SIR,EI+
262.8569
2.198e+004



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

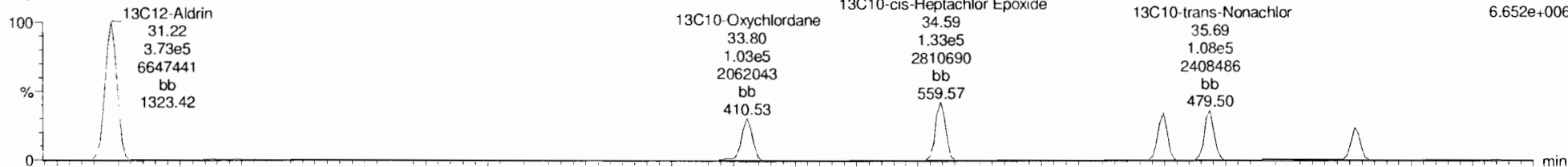
F3:Voltage SIR,EI+
264.8550
1.298e+004



Aldrin-EI-isotopes

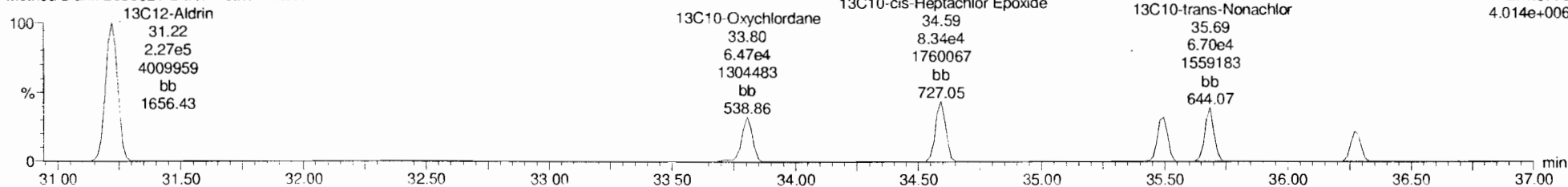
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F3:Voltage SIR,EI+
269.8804
6.652e+006



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F3:Voltage SIR,EI+
271.8775
4.014e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

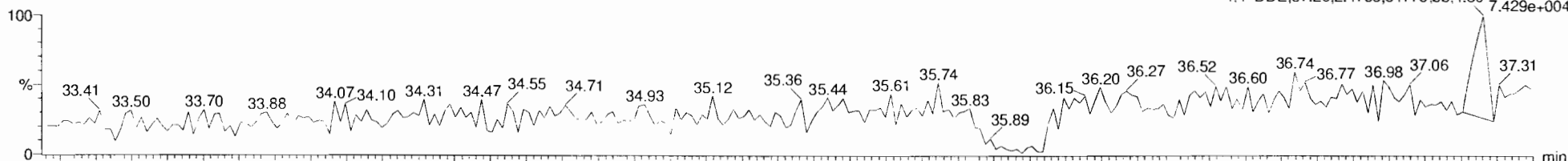
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

DDMU-DDE

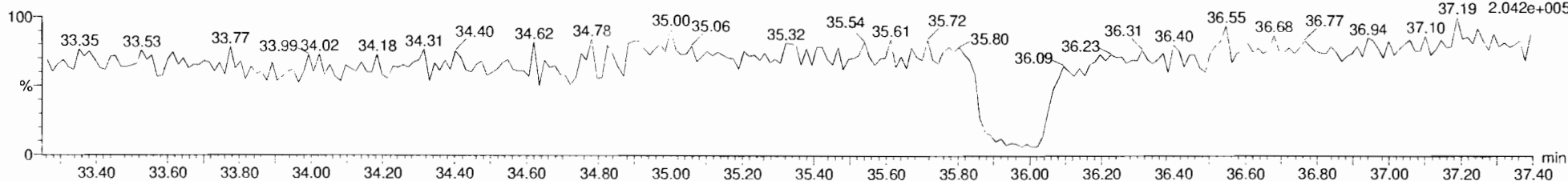
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

SN
F3:Voltage SIR,EI+
246.0003
4,4'-DDE;37.26;2.47e3;54779.bb;4.80
7.429e+004



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

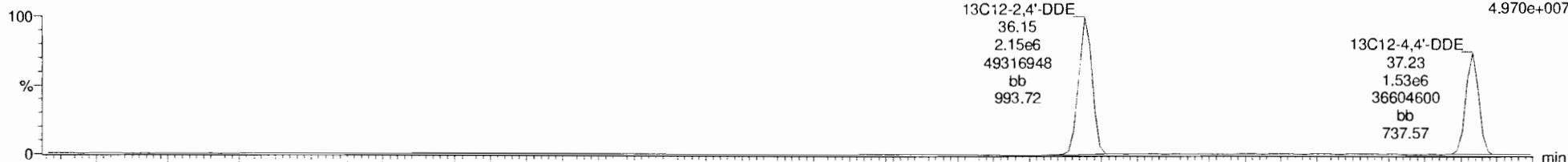
F3:Voltage SIR,EI+
247.9974
2.042e+005



DDE-isotopes

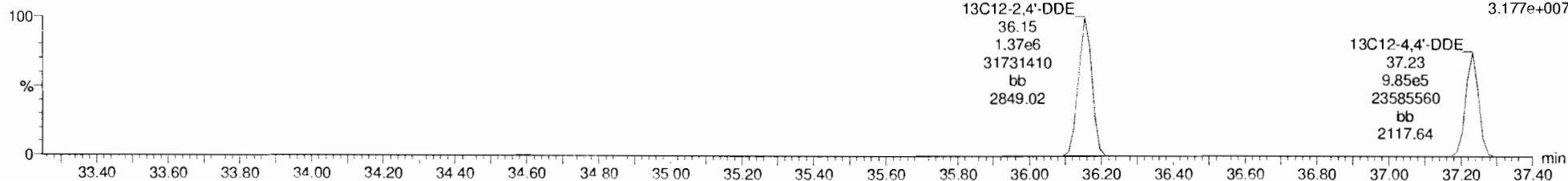
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F3:Voltage SIR,EI+
258.0406
4.970e+007



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F3:Voltage SIR,EI+
260.0376
3.177e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

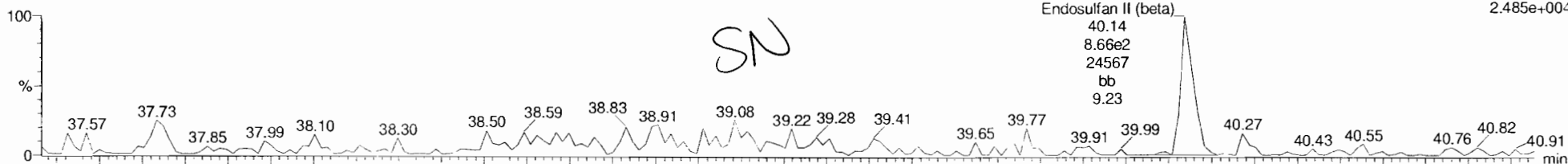
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

Dieldrin-EII

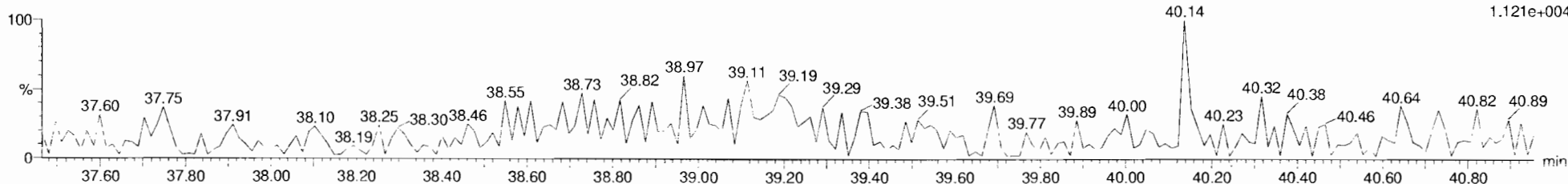
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F4:Voltage SIR,EI+
262.8569
2.485e+004



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

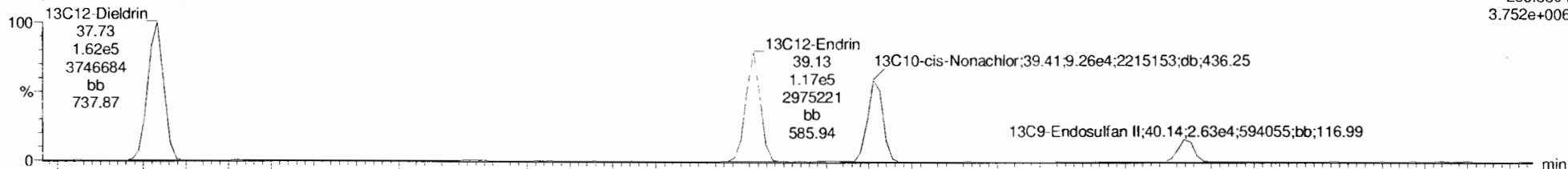
F4:Voltage SIR,EI+
264.8550
1.121e+004



Dieldrin-EII-isotopes

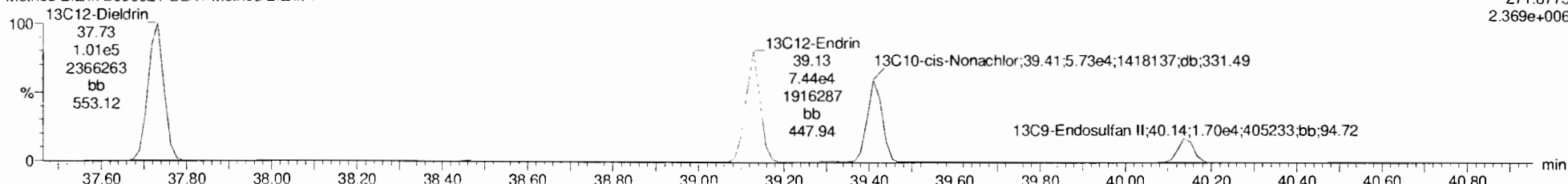
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

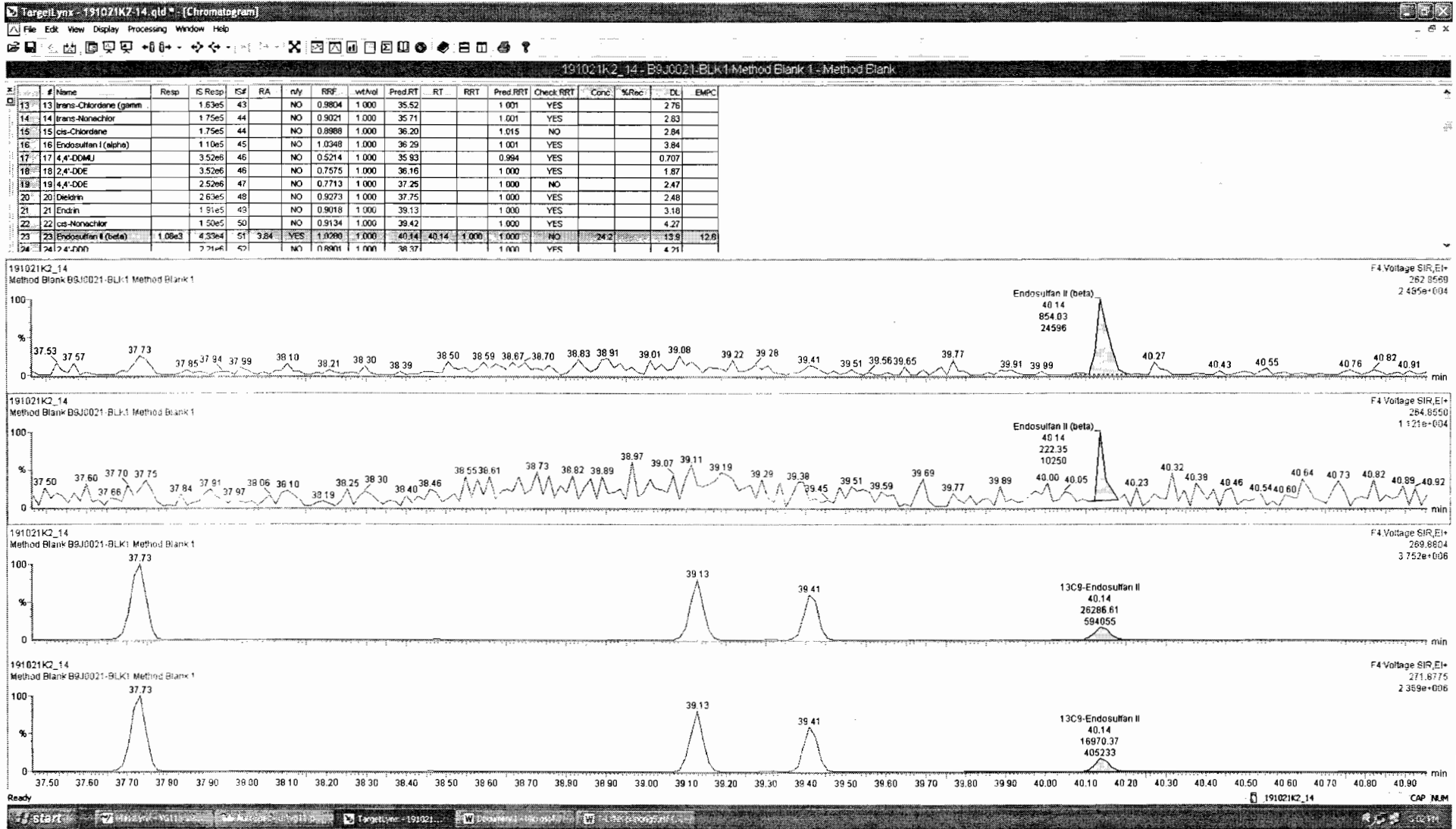
F4:Voltage SIR,EI+
269.8804
3.752e+006



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F4:Voltage SIR,EI+
271.8775
2.369e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

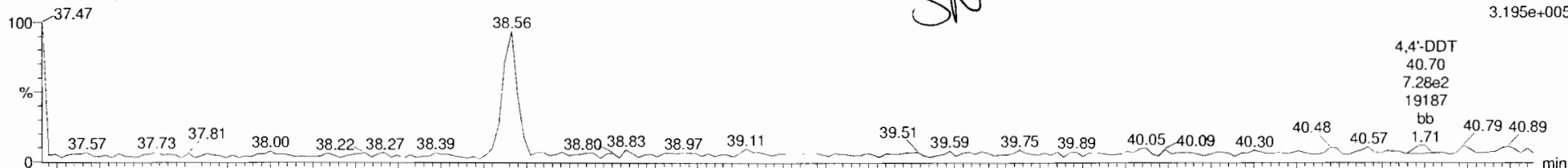
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

DDD-DDT

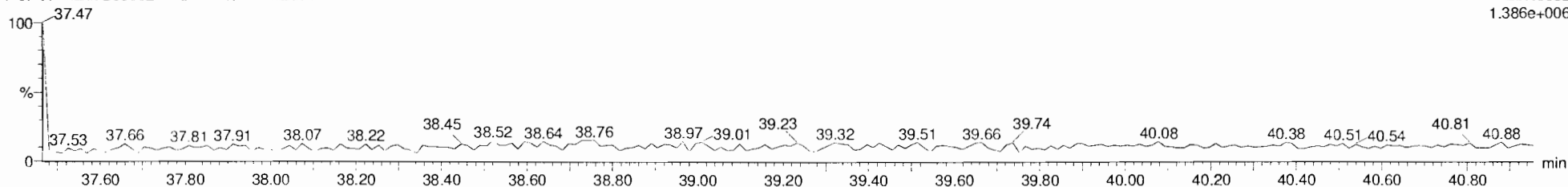
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F4:Voltage SIR,EI+
235.0081
3.195e+005



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

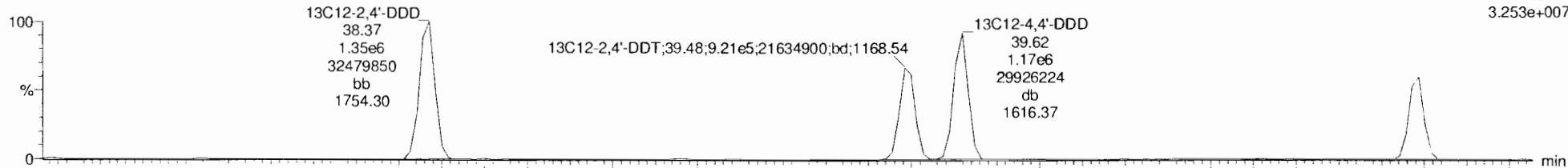
F4:Voltage SIR,EI+
237.0052
1.386e+006



DDD-DDT-isotopes

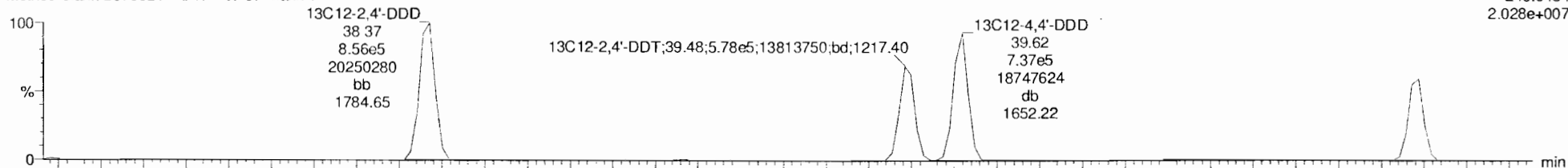
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F4:Voltage SIR,EI+
247.0484
3.253e+007



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F4:Voltage SIR,EI+
249.0454
2.028e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

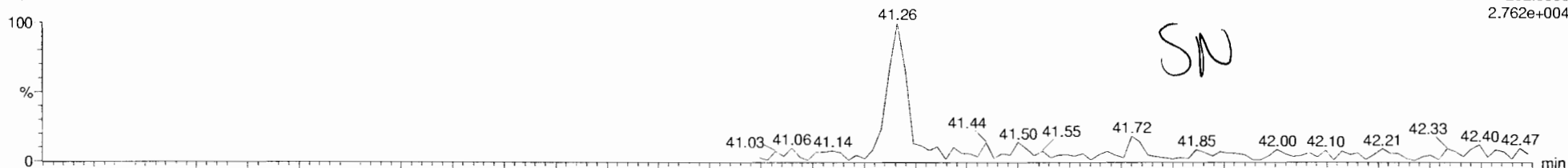
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

Endosulfan Sulfate

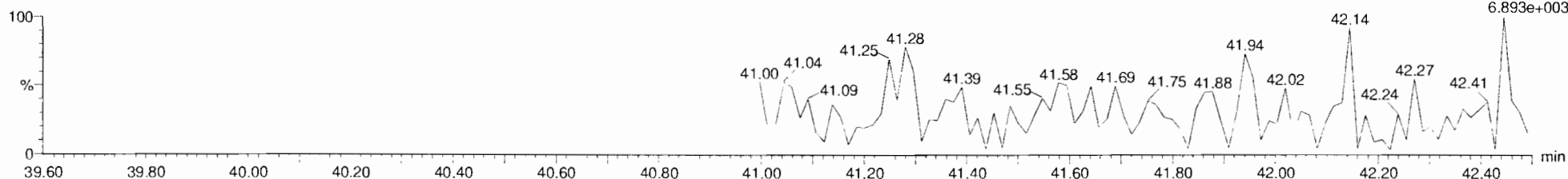
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
262.8569
2.762e+004



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

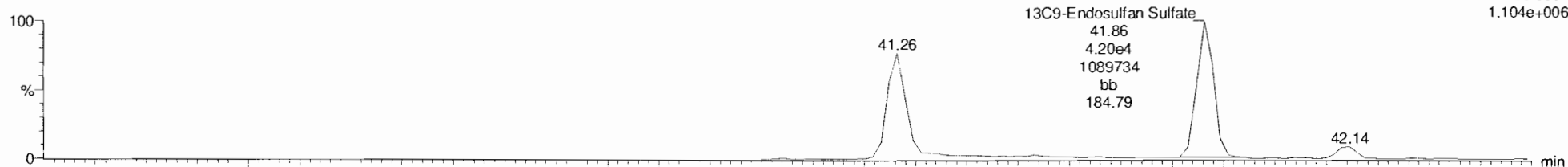
F5:Voltage SIR,EI+
264.8540
6.893e+003



13C9-Endosulfan Sulfate

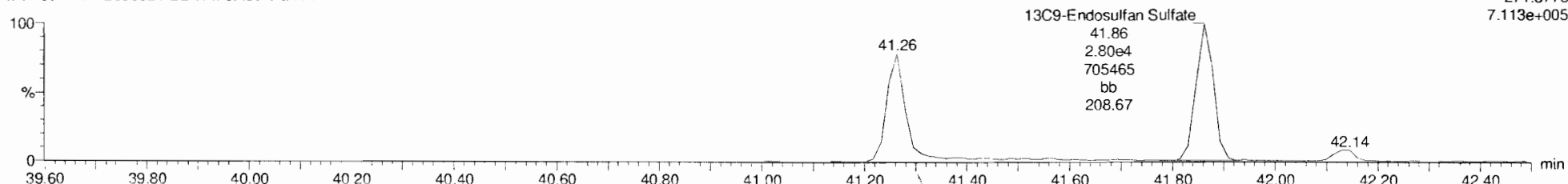
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
269.8804
1.104e+006



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
271.8775
7.113e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

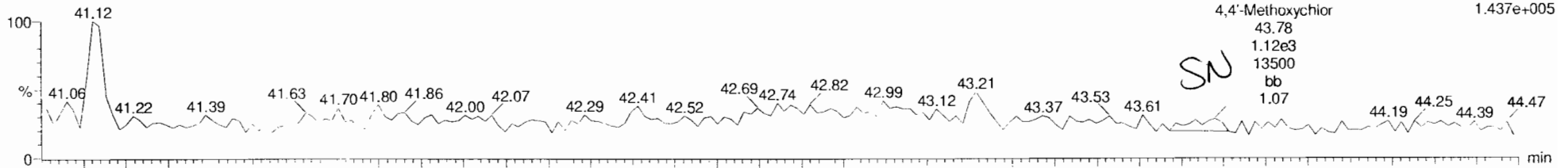
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

4,4'-Methoxychlor

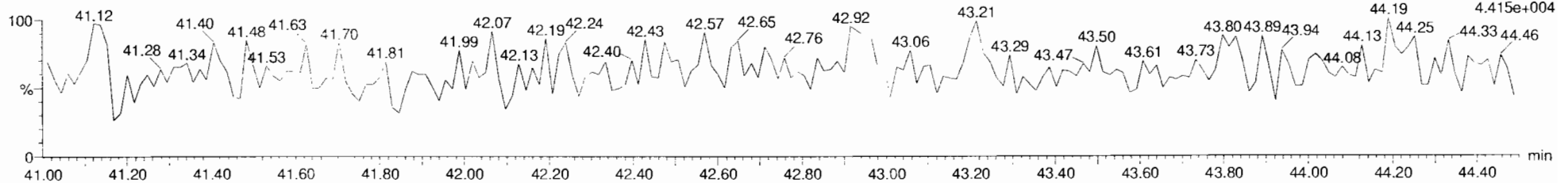
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
227.1072
1.437e+005



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

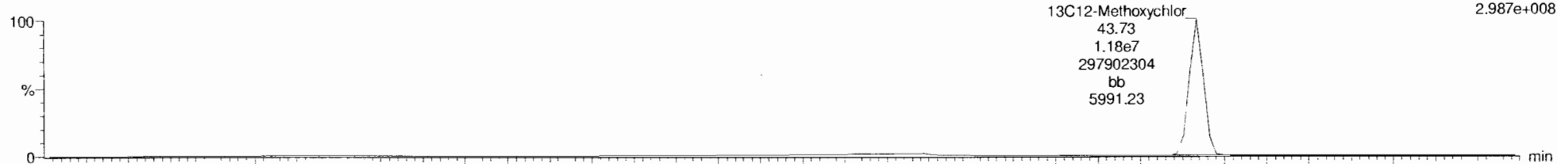
F5:Voltage SIR,EI+
228.1106
4.415e+004



13C12-Methoxychlor

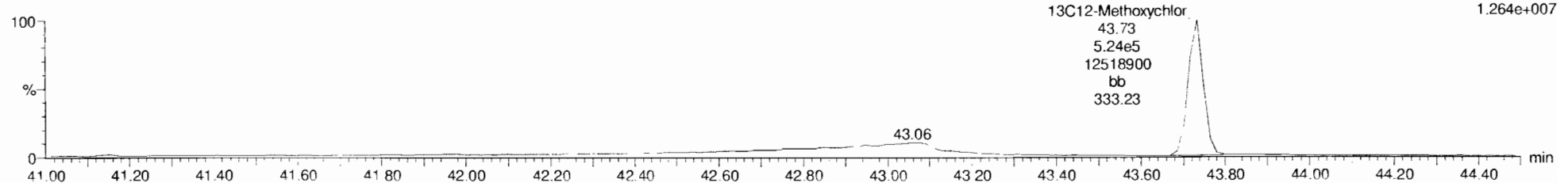
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
239.1475
2.987e+008



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
240.1508
1.264e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

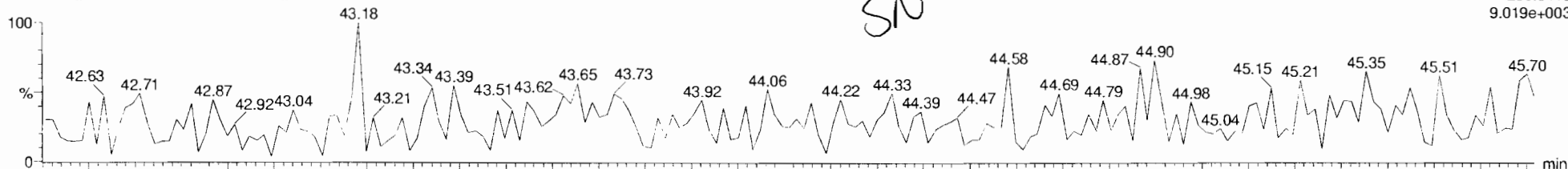
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

Mirex

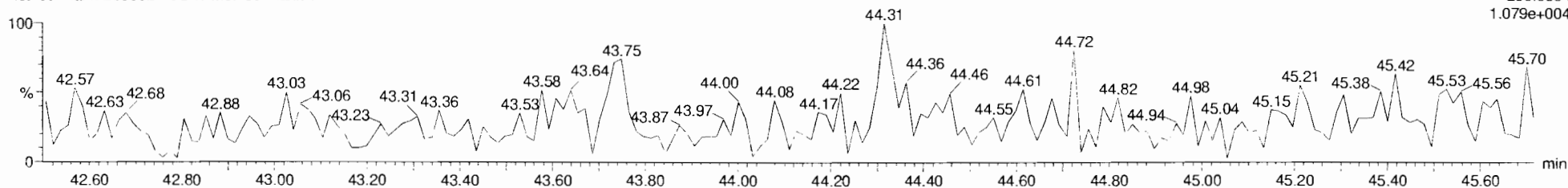
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
236.8413
9.019e+003



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

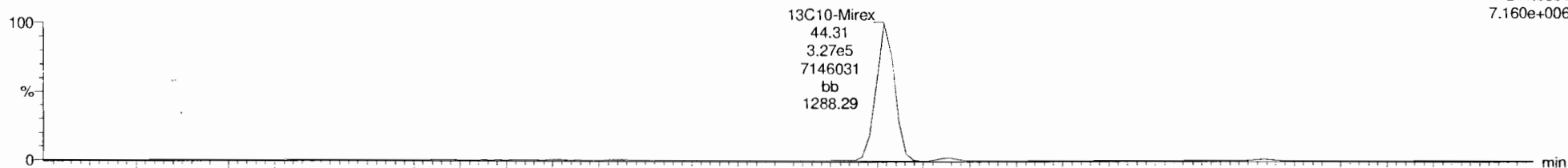
F5:Voltage SIR,EI+
238.8384
1.079e+004



13C10-Mirex

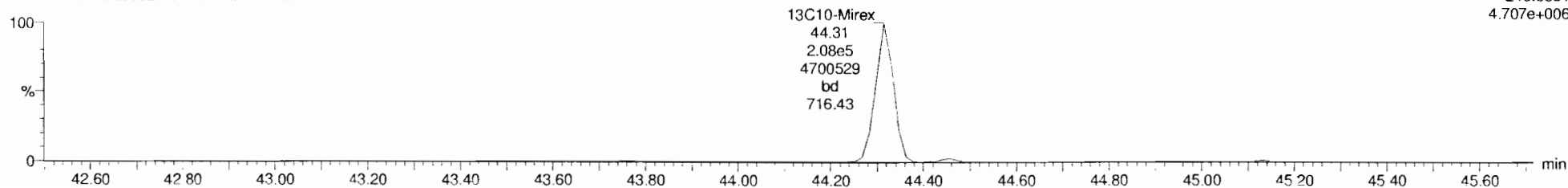
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
241.8581
7.160e+006



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
243.8551
4.707e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

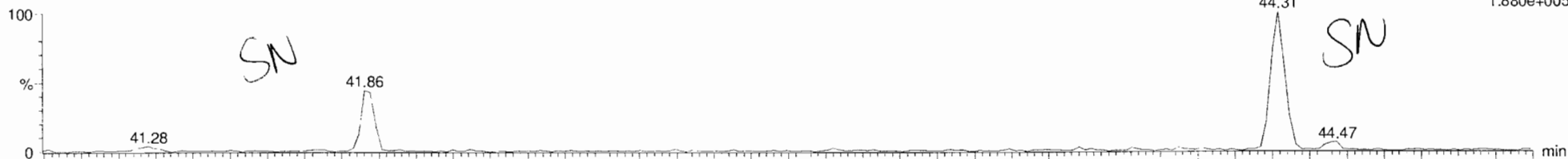
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

EA-EK

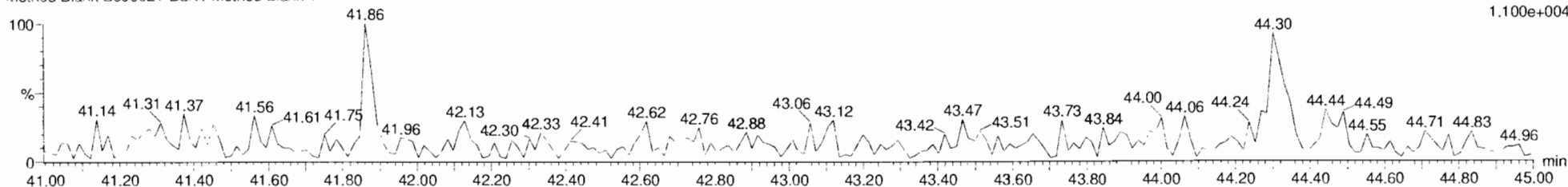
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
247.8521
1.880e+005



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

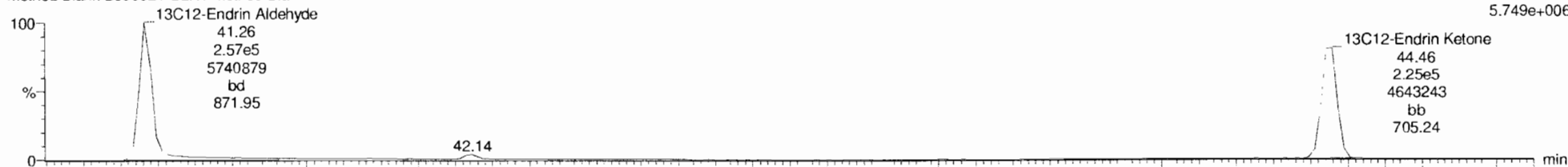
F5:Voltage SIR,EI+
249.8491
1.100e+004



EA-EK-isotopes

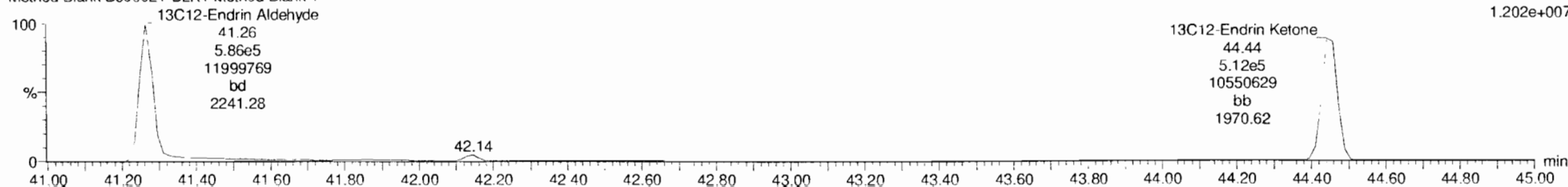
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
253.8722
5.749e+006



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
255.8693
1.202e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

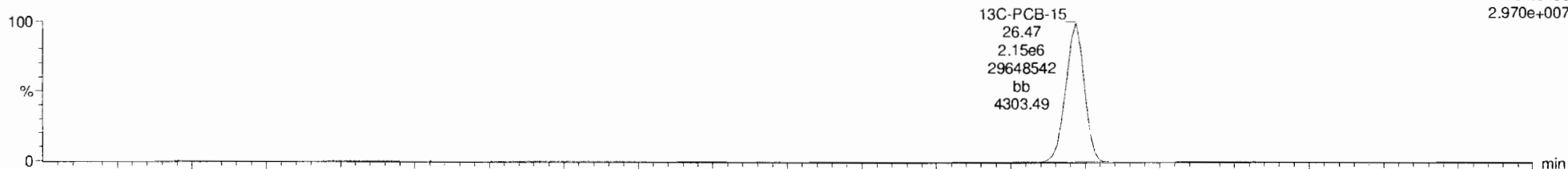
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-15

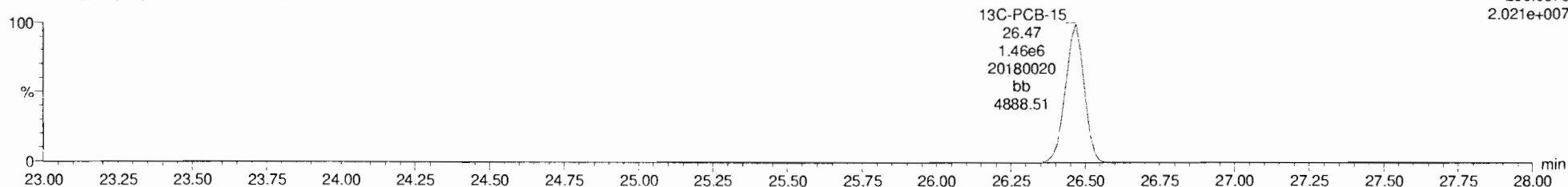
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F2:Voltage SiR,El+
234.0406
2.970e+007



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

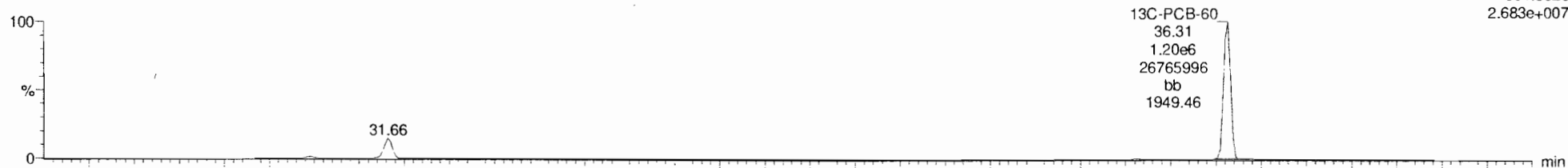
F2:Voltage SiR,El+
236.0376
2.021e+007



13C-PCB-60

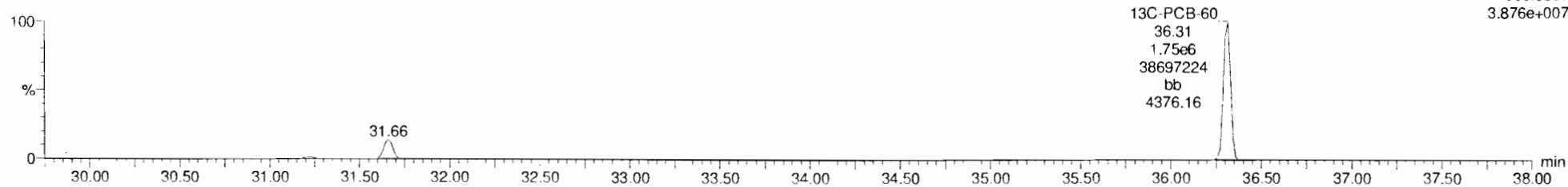
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F3:Voltage SiR,El+
301.9626
2.683e+007



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F3:Voltage SiR,El+
303.9597
3.876e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

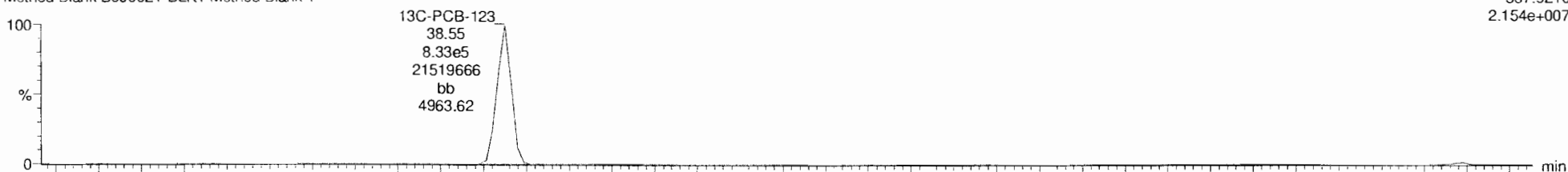
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-123

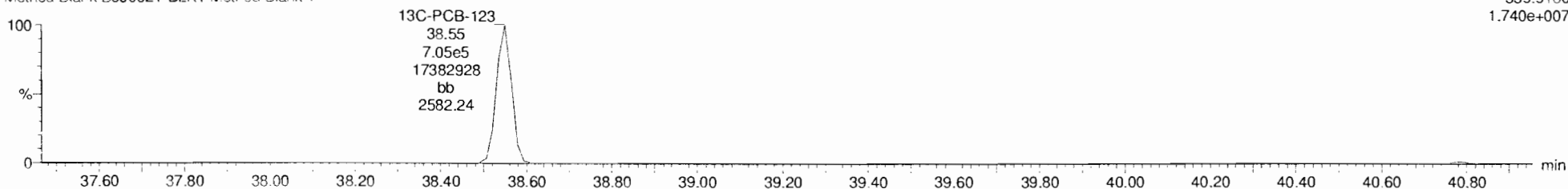
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F4:Voltage SIR,EI+
337.9210
2.154e+007



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

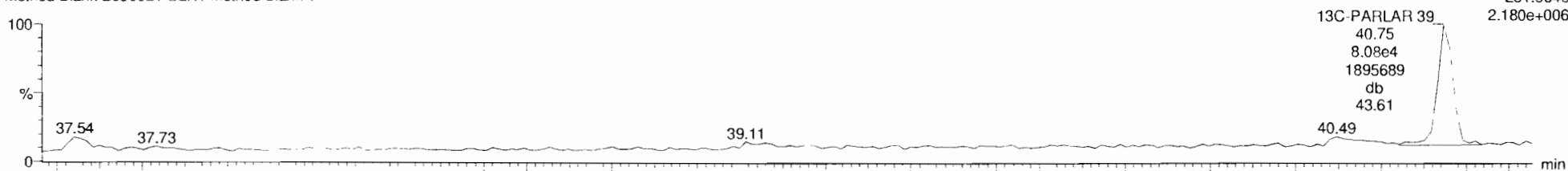
F4:Voltage SIR,EI+
339.9180
1.740e+007



13C-PARLAR 39

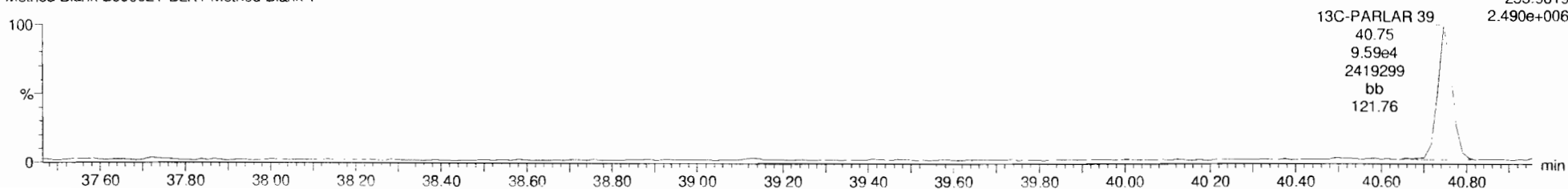
191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F4:Voltage SIR,EI+
251.9648
2.180e+006



191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F4:Voltage SIR,EI+
253.9619
2.490e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

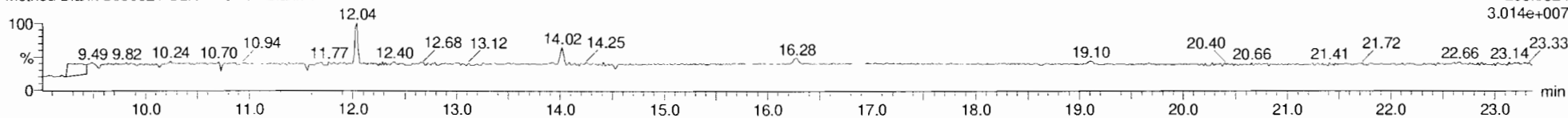
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_14, Date: 21-Oct-2019, Time: 23:46:15, ID: B9J0021-BLK1 Method Blank 1, Description: Method Blank

PFK1

191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

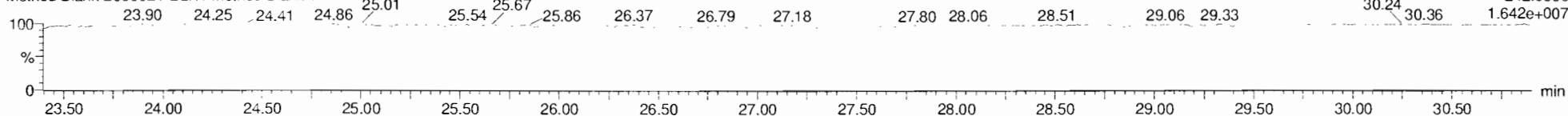
F1:Voltage SIR,EI+
268.9824
3.014e+007



PFK2

191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

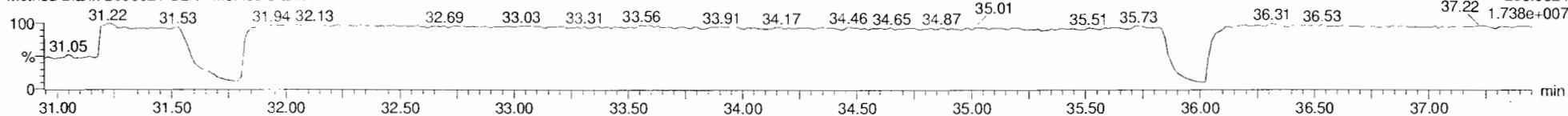
F2:Voltage SIR,EI+
242.9856
1.642e+007



PFK3

191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

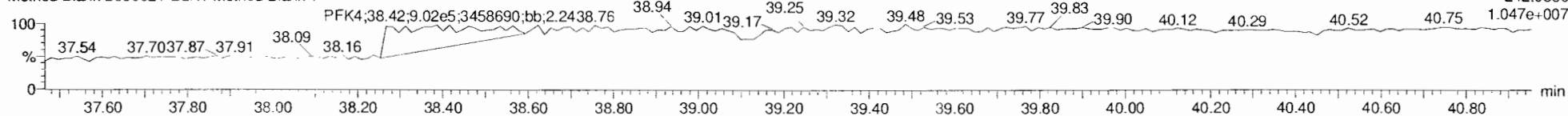
F3:Voltage SIR,EI+
268.9824
1.738e+007



PFK4

191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

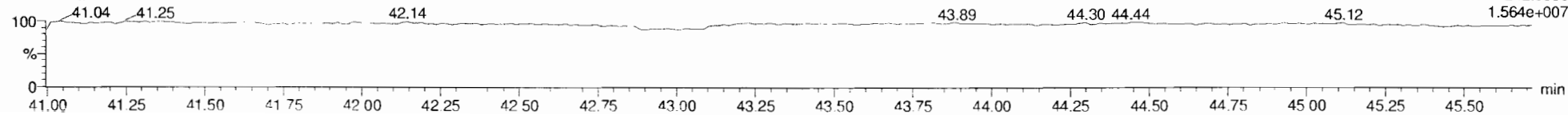
F4:Voltage SIR,EI+
242.9856
1.047e+007



PFK5

191021K2_14
Method Blank B9J0021-BLK1 Method Blank 1

F5:Voltage SIR,EI+
242.9856
1.564e+007



Dataset: U:\VG11.PRO\Results\191017K2\191017K2-8.qld

Last Altered: Sunday, October 20, 2019 15:00:41 Pacific Daylight Time

Printed: Sunday, October 20, 2019 15:02:50 Pacific Daylight Time

GRB 10/20/19

CT 10/22/19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred RT | RT | RRT | Pred.RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|------|-----|-------|--------|---------|-------|-------|----------|----------|------|------|-------|------|
| 1 | 2 Hexachlorobenzene | 3.43e5 | 3.59e5 | 1.20 | NO | 0.856 | 1.000 | 23.03 | 23.02 | 1.001 | 1.001 | NO | 1120 | | 0.387 | 1120 |
| 2 | 3 Alpha-BHC | 1.81e5 | 2.13e5 | 2.10 | NO | 0.758 | 1.000 | 23.59 | 23.58 | 1.001 | 1.002 | NO | 1120 | | 5.35 | 1120 |
| 3 | 4 Lindane (gamma-BHC) | 1.44e5 | 1.68e5 | 2.17 | NO | 0.766 | 1.000 | 26.88 | 26.87 | 1.001 | 1.001 | NO | 1120 | | 7.90 | 1120 |
| 4 | 5 Beta-BHC | 1.39e5 | 1.39e5 | 2.22 | NO | 0.889 | 1.000 | 28.90 | 28.91 | 1.001 | 1.000 | NO | 1120 | | 6.82 | 1120 |
| 5 | 6 Delta-BHC | 1.49e5 | 1.59e5 | 2.20 | NO | 0.837 | 1.000 | 30.59 | 30.60 | 1.001 | 1.001 | NO | 1120 | | 5.42 | 1120 |
| 6 | 7 Heptachlor | 6.64e4 | 6.08e4 | 1.08 | NO | 0.947 | 1.000 | 29.04 | 29.04 | 1.001 | 1.001 | NO | 1150 | | 4.00 | 1150 |
| 7 | 9 Aldrin | 1.09e5 | 9.92e4 | 1.58 | NO | 0.957 | 1.000 | 31.15 | 31.15 | 1.001 | 1.001 | NO | 1150 | | 3.18 | 1150 |
| 8 | 10 Oxychlorane | 3.06e4 | 2.78e4 | 1.52 | NO | 0.949 | 1.000 | 33.72 | 33.73 | 1.001 | 1.001 | NO | 1160 | | 10.8 | 1160 |
| 9 | 11 cis-Heptachlor Epoxide | 4.24e4 | 3.76e4 | 1.66 | NO | 0.971 | 1.000 | 34.51 | 34.52 | 1.001 | 1.001 | NO | 1160 | | 7.46 | 1160 |
| 10 | 12 trans-Heptachlor Epox... | 1.02e4 | 3.76e4 | 1.67 | NO | 0.246 | 1.000 | 35.00 | 35.01 | 1.015 | 1.015 | NO | 1110 | | 29.5 | 1110 |
| 11 | 13 trans-Chlordane (gam... | 3.52e4 | 3.01e4 | 1.54 | NO | 0.996 | 1.000 | 35.42 | 35.42 | 1.001 | 1.001 | NO | 1170 | | 8.73 | 1170 |
| 12 | 14 trans-Nonachlor | 3.75e4 | 3.53e4 | 1.65 | NO | 0.921 | 1.000 | 35.60 | 35.60 | 1.000 | 1.001 | NO | 1150 | | 8.46 | 1150 |
| 13 | 15 cis-Chlordane | 3.91e4 | 3.53e4 | 1.53 | NO | 0.914 | 1.000 | 36.10 | 36.09 | 1.014 | 1.015 | NO | 1210 | | 8.52 | 1210 |
| 14 | 16 Endosulfan I (alpha) | 2.35e4 | 2.09e4 | 1.66 | NO | 1.08 | 1.000 | 36.19 | 36.20 | 1.001 | 1.001 | NO | 1040 | | 12.6 | 1040 |
| 15 | 18 2,4'-DDE | 6.96e5 | 7.67e5 | 1.29 | NO | 0.789 | 1.000 | 36.06 | 36.08 | 1.001 | 1.000 | NO | 1150 | | 4.84 | 1150 |
| 16 | 19 4,4'-DDE | 5.01e5 | 5.47e5 | 1.27 | NO | 0.804 | 1.000 | 37.15 | 37.14 | 1.000 | 1.000 | NO | 1140 | | 6.27 | 1140 |
| 17 | 20 Dieldrin | 6.48e4 | 6.30e4 | 1.55 | NO | 0.912 | 1.000 | 37.65 | 37.64 | 1.000 | 1.000 | NO | 1130 | | 6.60 | 1130 |
| 18 | 21 Endrin | 3.10e4 | 3.02e4 | 1.60 | NO | 0.911 | 1.000 | 39.02 | 39.05 | 1.001 | 1.000 | NO | 1130 | | 13.3 | 1130 |
| 19 | 22 cis-Nonachlor | 3.97e4 | 3.74e4 | 1.56 | NO | 0.945 | 1.000 | 39.33 | 39.34 | 1.000 | 1.000 | NO | 1120 | | 10.4 | 1120 |
| 20 | 23 Endosulfan II (beta) | 1.13e4 | 1.08e4 | 1.41 | NO | 1.04 | 1.000 | 40.05 | 40.06 | 1.000 | 1.000 | NO | 1010 | | 27.3 | 1010 |
| 21 | 24 2,4'-DDD | 5.80e5 | 5.73e5 | 1.53 | NO | 0.895 | 1.000 | 38.27 | 38.28 | 1.000 | 1.000 | NO | 1130 | | 9.41 | 1130 |
| 22 | 25 2,4'-DDT | 3.41e5 | 3.11e5 | 1.53 | NO | 0.896 | 1.000 | 39.41 | 39.41 | 1.000 | 1.000 | NO | 1230 | | 18.4 | 1230 |
| 23 | 26 4,4'-DDD | 5.37e5 | 4.71e5 | 1.48 | NO | 0.990 | 1.000 | 39.53 | 39.54 | 1.001 | 1.000 | NO | 1150 | | 11.2 | 1150 |
| 24 | 27 4,4'-DDT | 2.73e5 | 2.51e5 | 1.44 | NO | 1.03 | 1.000 | 40.60 | 40.60 | 1.000 | 1.000 | NO | 1060 | | 19.7 | 1060 |
| 25 | 28 Endosulfan Sulfate | 1.51e4 | 1.54e4 | 1.52 | NO | 0.934 | 1.000 | 41.77 | 41.78 | 1.000 | 1.000 | NO | 1050 | | 20.4 | 1050 |
| 26 | 29 4,4'-Methoxychlor | 3.08e5 | 2.41e6 | 5.91 | NO | 1.14 | 1.000 | 43.63 | 43.64 | 1.000 | 1.000 | NO | 1120 | | 5.76 | 1120 |
| 27 | 30 Mirex | 1.83e5 | 1.82e5 | 1.52 | NO | 0.897 | 1.000 | 44.23 | 44.22 | 1.000 | 1.000 | NO | 1120 | | 3.40 | 1120 |
| 28 | 31 Endrin Aldehyde | 2.16e4 | 1.78e5 | 0.63 | NO | 0.956 | 1.000 | 41.19 | 41.20 | 1.001 | 1.000 | NO | 1270 | | 27.0 | 1270 |
| 29 | 32 Endrin Ketone | 2.20e4 | 2.24e5 | 0.62 | NO | 0.875 | 1.000 | 44.33 | 44.36 | 1.001 | 1.000 | NO | 1120 | | 26.6 | 1120 |
| 30 | 34 13C6-Hexachlorobenz... | 3.59e5 | 9.00e5 | 1.29 | NO | 0.697 | 1.000 | 23.00 | 23.00 | 0.873 | 0.873 | NO | 572 | 57.2 | 0.257 | |
| 31 | 35 13C6-Alpha-BHC | 2.13e5 | 9.00e5 | 0.79 | NO | 0.261 | 1.000 | 23.54 | 23.54 | 0.893 | 0.893 | NO | 906 | 90.6 | 8.64 | |

Dataset: U:\VG11.PRO\Results\191017K2\191017K2-8.qld

Last Altered: Sunday, October 20, 2019 15:00:41 Pacific Daylight Time

Printed: Sunday, October 20, 2019 15:02:50 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|-------|-----|--------|--------|---------|-------|-------|----------|----------|-------|------|------|------|
| 32 | 36 13C6-Lindane (gamma) | 1.68e5 | 9.00e5 | 0.81 | NO | 0.204 | 1.000 | 26.85 | 26.85 | 1.019 | 1.019 | NO | 914 | 91.4 | 11.1 | |
| 33 | 37 13C6-Beta-BHC | 1.39e5 | 9.00e5 | 0.79 | NO | 0.167 | 1.000 | 28.89 | 28.90 | 1.096 | 1.096 | NO | 922 | 92.2 | 13.5 | |
| 34 | 38 13C6-Delta-BHC | 1.59e5 | 9.00e5 | 0.78 | NO | 0.190 | 1.000 | 30.55 | 30.57 | 1.160 | 1.159 | NO | 930 | 93.0 | 11.9 | |
| 35 | 39 13C10-Heptachlor | 6.08e4 | 9.00e5 | 1.28 | NO | 0.0750 | 1.000 | 28.98 | 29.01 | 1.101 | 1.099 | NO | 901 | 90.1 | 4.28 | |
| 36 | 40 13C12-Aldrin | 9.92e4 | 9.00e5 | 1.69 | NO | 0.160 | 1.000 | 31.11 | 31.12 | 1.181 | 1.180 | NO | 689 | 68.9 | 5.87 | |
| 37 | 41 13C10-Oxychlorane | 2.78e4 | 9.00e5 | 1.74 | NO | 0.0435 | 1.000 | 33.68 | 33.70 | 1.279 | 1.278 | NO | 709 | 70.9 | 21.6 | |
| 38 | 42 13C10-cis-Heptachlor ... | 3.76e4 | 9.00e5 | 1.61 | NO | 0.0566 | 1.000 | 34.47 | 34.49 | 1.309 | 1.308 | NO | 739 | 73.9 | 16.6 | |
| 39 | 43 13C10-trans-Chlordan... | 3.01e4 | 9.00e5 | 1.58 | NO | 0.0466 | 1.000 | 35.36 | 35.39 | 1.343 | 1.342 | NO | 718 | 71.8 | 20.2 | |
| 40 | 44 13C10-trans-Nonachlor | 3.53e4 | 9.00e5 | 1.56 | NO | 0.0528 | 1.000 | 35.55 | 35.58 | 1.350 | 1.349 | NO | 744 | 74.4 | 17.8 | |
| 41 | 45 13C9-Endosulfan I (al... | 2.09e4 | 9.00e5 | 1.67 | NO | 0.0305 | 1.000 | 36.15 | 36.17 | 1.372 | 1.372 | NO | 761 | 76.1 | 30.8 | |
| 42 | 46 13C12-2,4'-DDE | 7.67e5 | 9.00e5 | 1.58 | NO | 0.987 | 1.000 | 36.07 | 36.05 | 0.996 | 0.996 | NO | 863 | 86.3 | 5.65 | |
| 43 | 47 13C12-4,4'-DDE | 5.47e5 | 9.00e5 | 1.61 | NO | 0.758 | 1.000 | 37.13 | 37.13 | 1.025 | 1.025 | NO | 801 | 80.1 | 7.36 | |
| 44 | 48 13C12-Dieldrin | 6.30e4 | 9.00e5 | 1.65 | NO | 0.0822 | 1.000 | 37.63 | 37.63 | 1.039 | 1.039 | NO | 850 | 85.0 | 13.2 | |
| 45 | 49 13C12-Endrin | 3.02e4 | 9.00e5 | 1.55 | NO | 0.0441 | 1.000 | 39.02 | 39.02 | 1.078 | 1.078 | NO | 759 | 75.9 | 24.5 | |
| 46 | 50 13C10-cis-Nonachlor | 3.74e4 | 9.00e5 | 1.50 | NO | 0.0509 | 1.000 | 39.30 | 39.32 | 1.086 | 1.085 | NO | 817 | 81.7 | 21.3 | |
| 47 | 51 13C9-Endosulfan II | 1.08e4 | 9.00e5 | 1.65 | NO | 0.0145 | 1.000 | 40.04 | 40.05 | 1.106 | 1.106 | NO | 828 | 82.8 | 74.7 | |
| 48 | 52 13C12-2,4'-DDD | 5.73e5 | 9.00e5 | 1.62 | NO | 0.768 | 1.000 | 38.24 | 38.27 | 1.452 | 1.451 | NO | 829 | 82.9 | 5.59 | |
| 49 | 53 13C12-2,4'-DDT | 3.11e5 | 9.00e5 | 1.61 | NO | 0.293 | 1.000 | 39.34 | 39.40 | 1.495 | 1.493 | NO | 1180 | 118 | 14.7 | |
| 50 | 54 13C12-4,4'-DDD | 4.71e5 | 9.00e5 | 1.62 | NO | 0.654 | 1.000 | 39.47 | 39.51 | 1.499 | 1.498 | NO | 799 | 79.9 | 6.56 | |
| 51 | 55 13C12-4,4'-DDT | 2.51e5 | 9.00e5 | 1.62 | NO | 0.191 | 1.000 | 40.54 | 40.58 | 1.540 | 1.538 | NO | 1460 | 146 | 22.5 | |
| 52 | 56 13C9-Endosulfan Sulf... | 1.54e4 | 9.00e5 | 1.48 | NO | 0.0203 | 1.000 | 41.74 | 41.77 | 1.153 | 1.153 | NO | 845 | 84.5 | 65.7 | |
| 53 | 57 13C12-Methoxychlor | 2.41e6 | 9.00e5 | 20.96 | NO | 0.231 | 1.000 | 43.59 | 43.62 | 1.205 | 1.204 | NO | 11600 | 116 | 20.3 | |
| 54 | 58 13C10-Mirex | 1.82e5 | 9.00e5 | 1.59 | NO | 0.222 | 1.000 | 44.19 | 44.21 | 1.221 | 1.220 | NO | 911 | 91.1 | 5.18 | |
| 55 | 59 13C12-Endrin Aldehyde | 1.78e5 | 9.00e5 | 0.43 | NO | 0.0326 | 1.000 | 41.14 | 41.17 | 1.137 | 1.136 | NO | 6070 | 60.7 | 55.6 | |
| 56 | 60 13C12-Endrin Ketone | 2.24e5 | 9.00e5 | 0.45 | NO | 0.0267 | 1.000 | 44.31 | 44.33 | 1.224 | 1.224 | NO | 9300 | 93.0 | 67.9 | |
| 57 | 62 13C-PCB-15 | 9.00e5 | 9.00e5 | 1.54 | NO | 1.00 | 1.000 | 26.42 | 26.36 | 1.000 | 1.000 | NO | 1000 | 100 | 1.47 | |

Dataset: Untitled

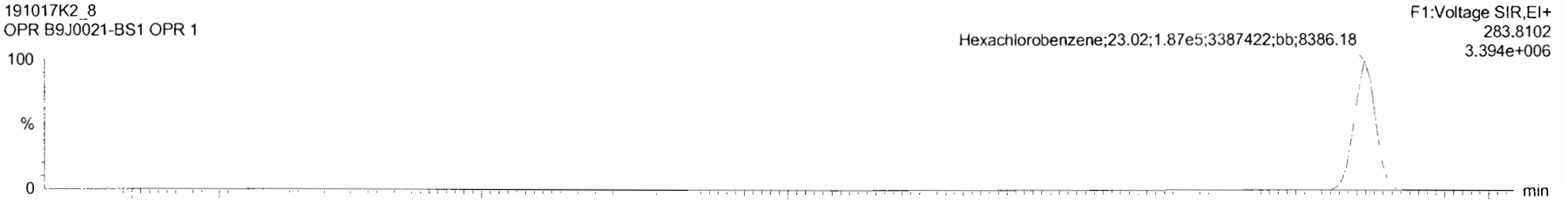
Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

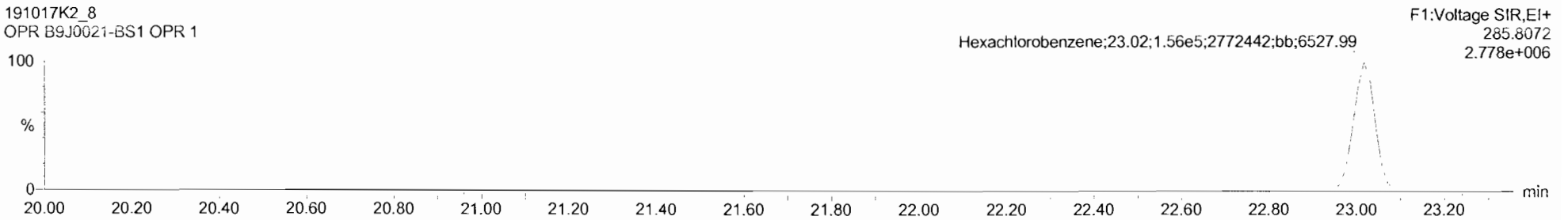
Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

Hexachlorobenzene

191017K2_8
OPR B9J0021-BS1 OPR 1

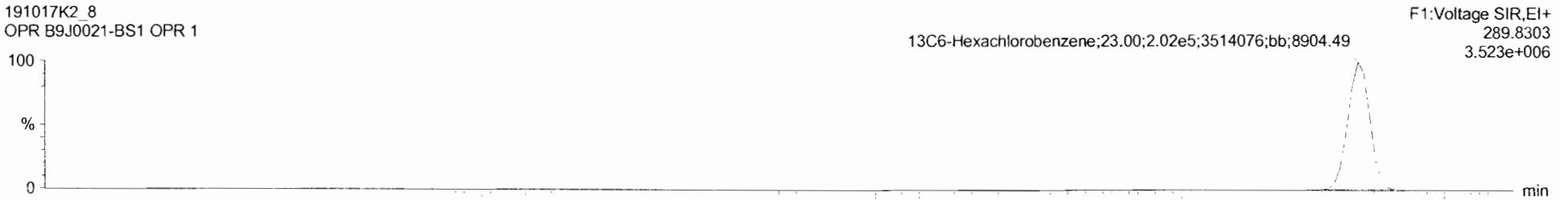


191017K2_8
OPR B9J0021-BS1 OPR 1

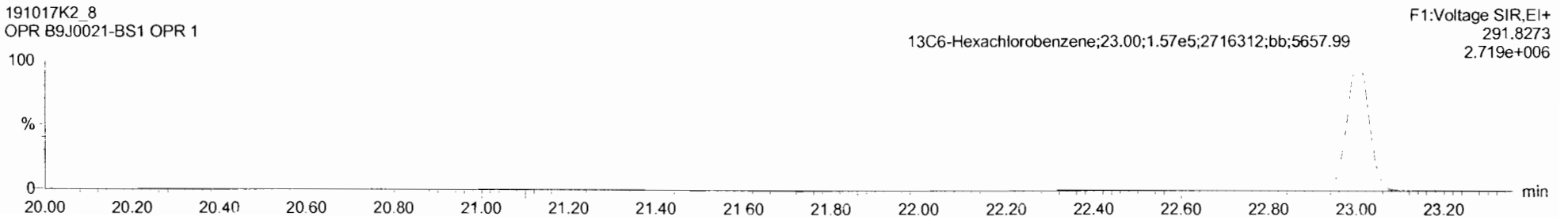


13C6-Hexachlorobenzene

191017K2_8
OPR B9J0021-BS1 OPR 1



191017K2_8
OPR B9J0021-BS1 OPR 1



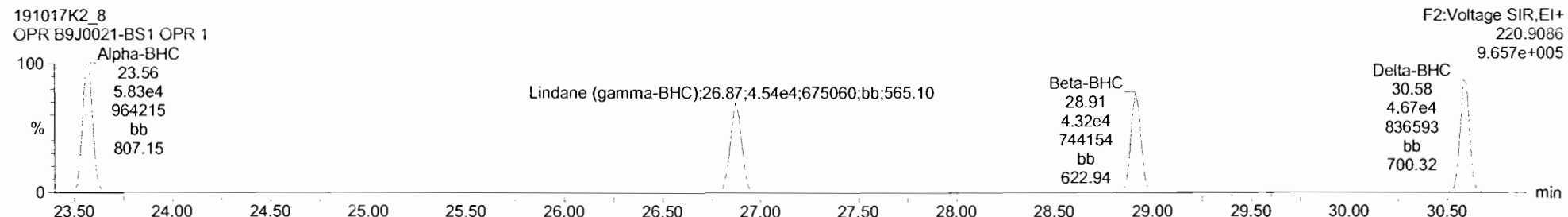
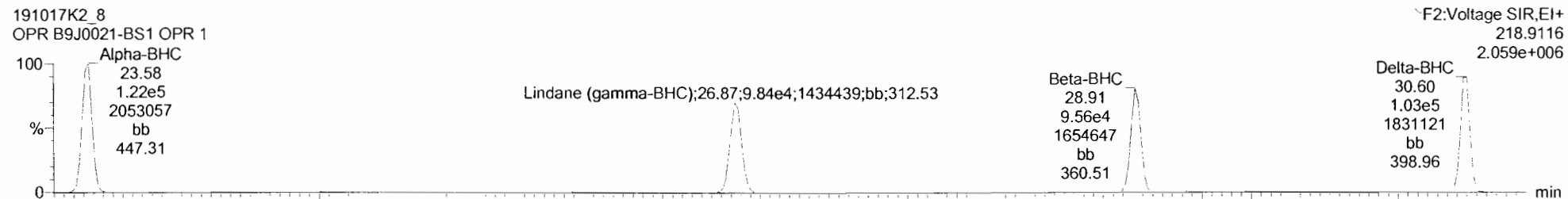
Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

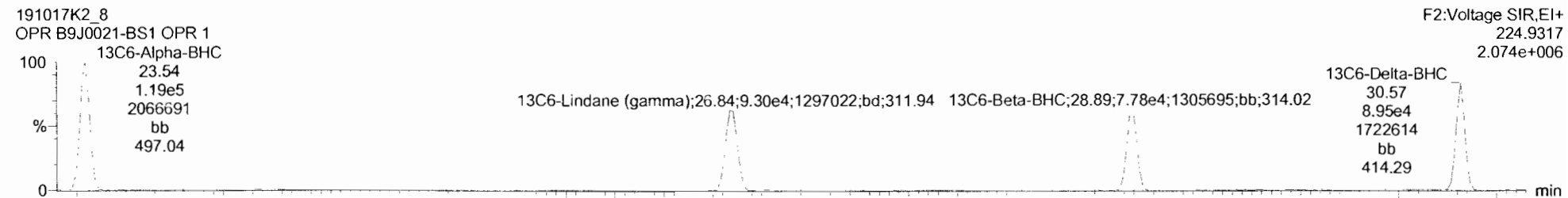
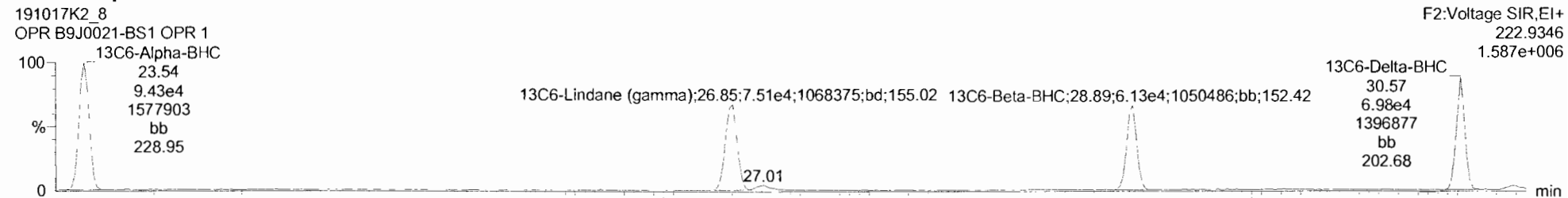
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

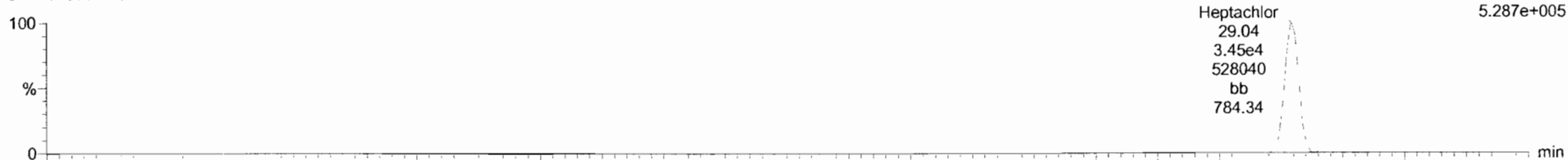
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

Heptachlor

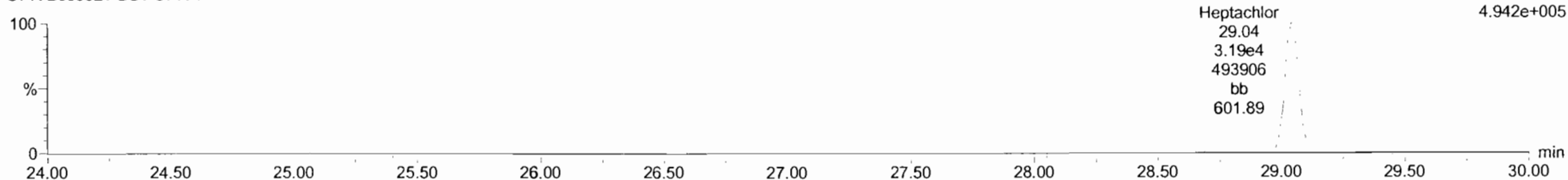
191017K2_8
OPR B9J0021-BS1 OPR 1

F2:Voltage SIR,EI+
271.8102
5.287e+005



191017K2_8
OPR B9J0021-BS1 OPR 1

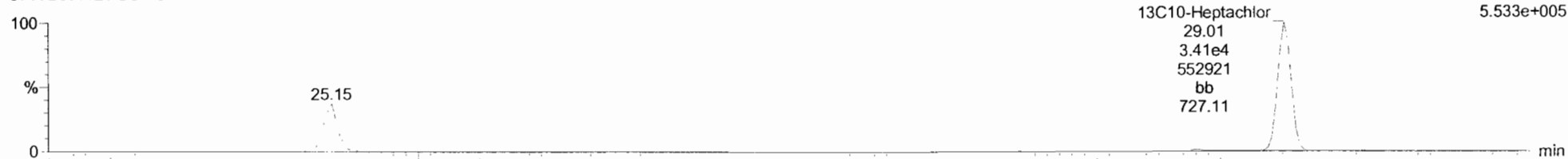
F2:Voltage SIR,EI+
273.8072
4.942e+005



13C10-Heptachlor

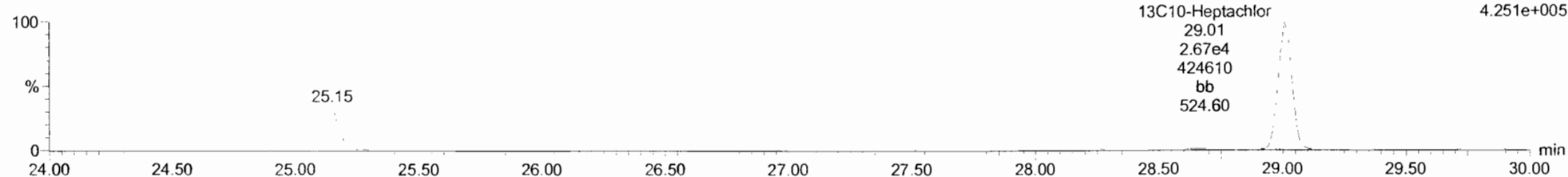
191017K2_8
OPR B9J0021-BS1 OPR 1

F2:Voltage SIR,EI+
276.8269
5.533e+005



191017K2_8
OPR B9J0021-BS1 OPR 1

F2:Voltage SIR,EI+
278.8240
4.251e+005



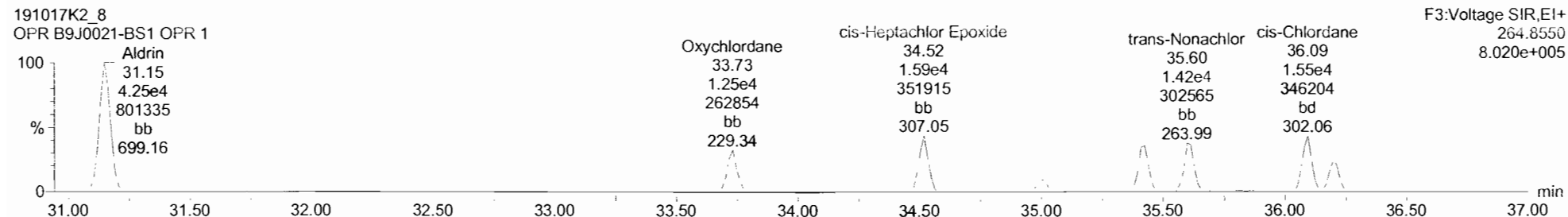
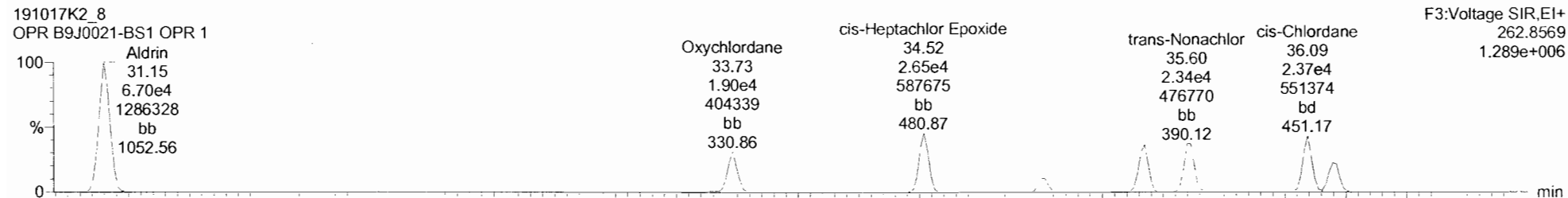
Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

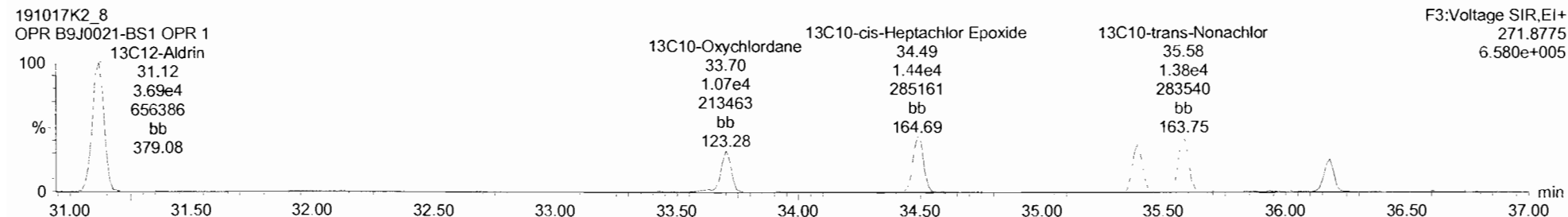
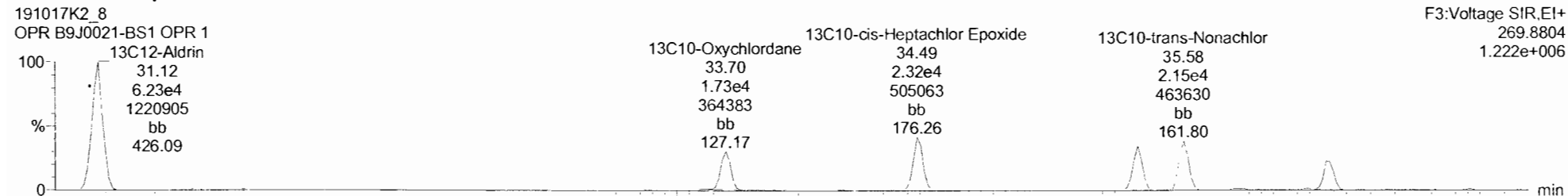
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

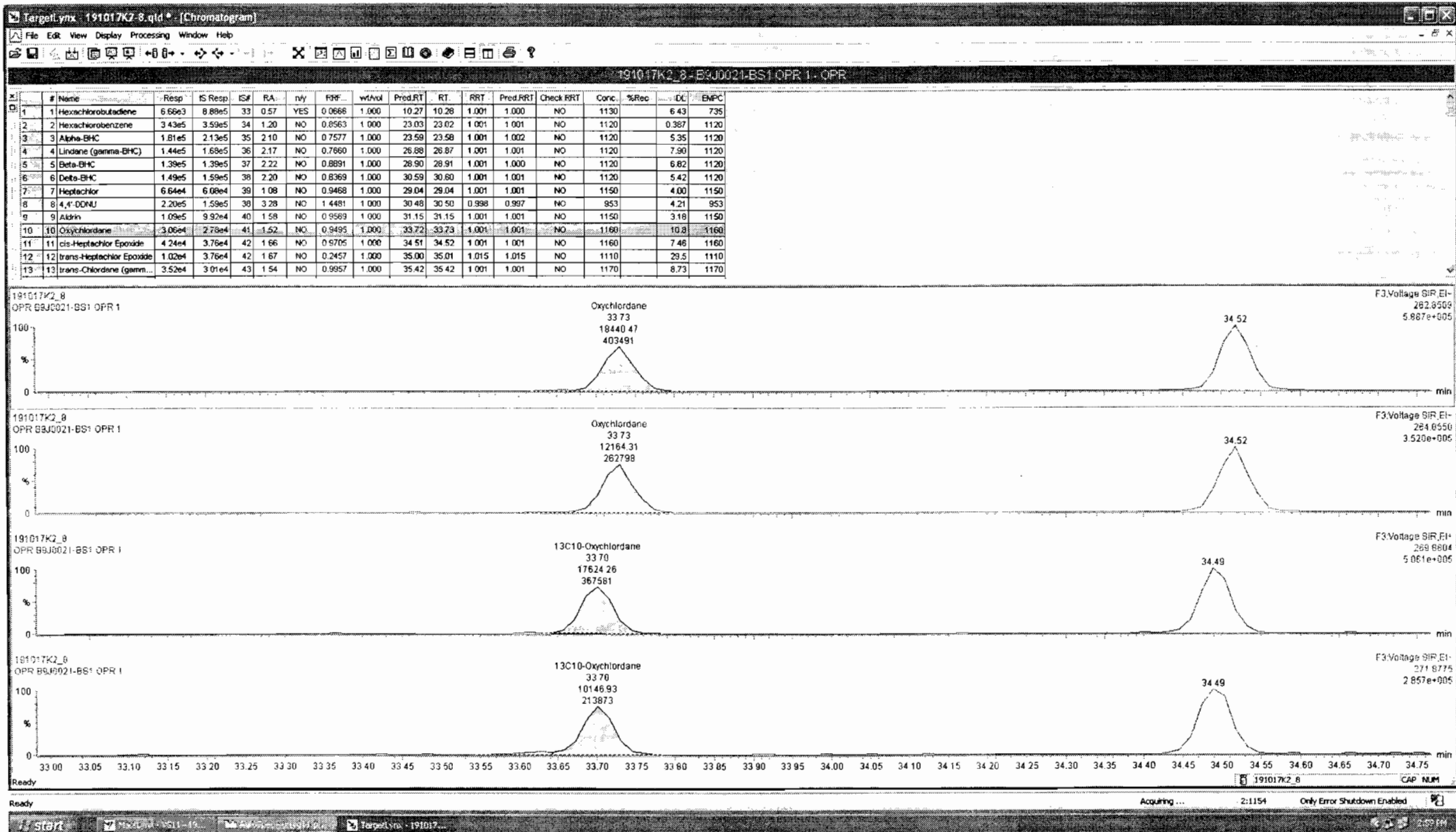
Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

Aldrin-EI



Aldrin-EI-isotopes





Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

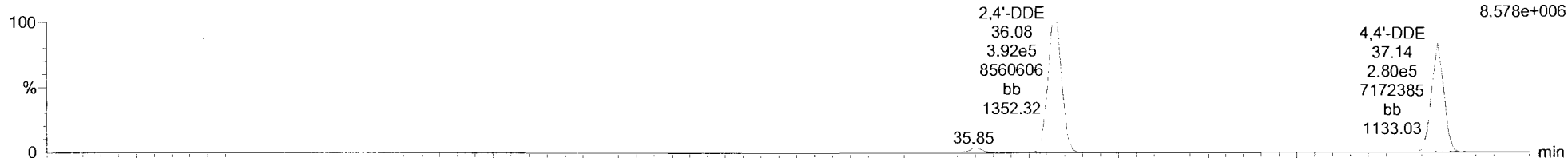
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

DDMU-DDE

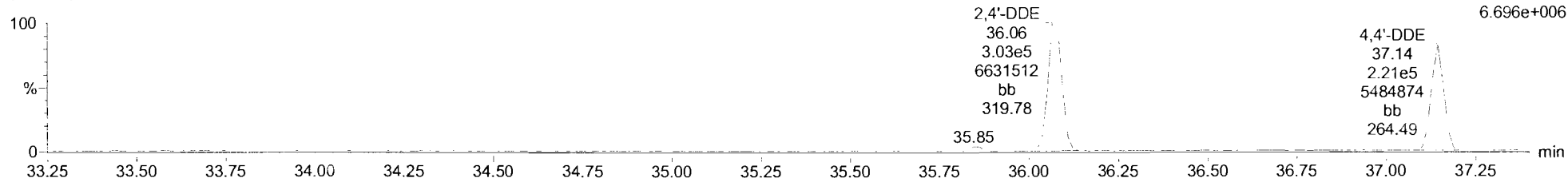
191017K2_8
OPR B9J0021-BS1 OPR 1

F3:Voltage SIR,EI+
246.0003
8.578e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

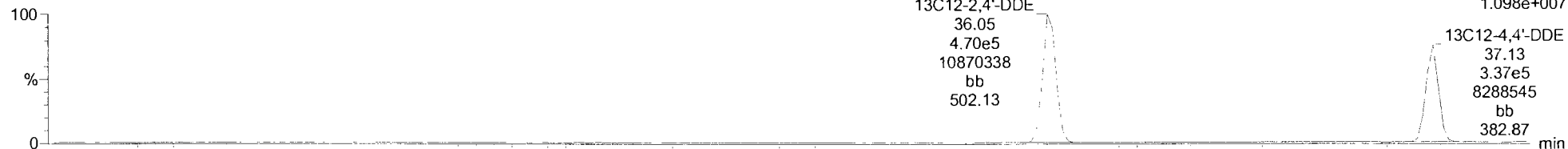
F3:Voltage SIR,EI+
247.9974
6.696e+006



DDE-isotopes

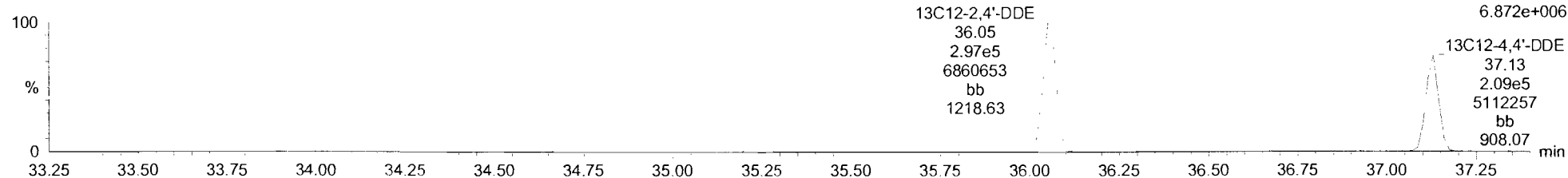
191017K2_8
OPR B9J0021-BS1 OPR 1

F3:Voltage SIR,EI+
258.0406
1.098e+007



191017K2_8
OPR B9J0021-BS1 OPR 1

F3:Voltage SIR,EI+
260.0376
6.872e+006



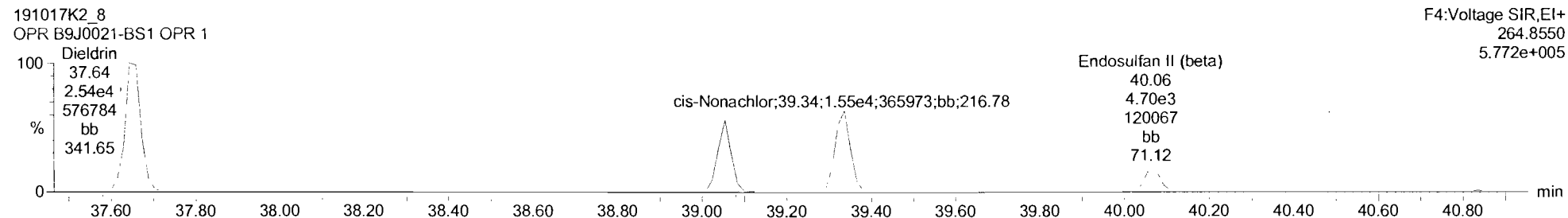
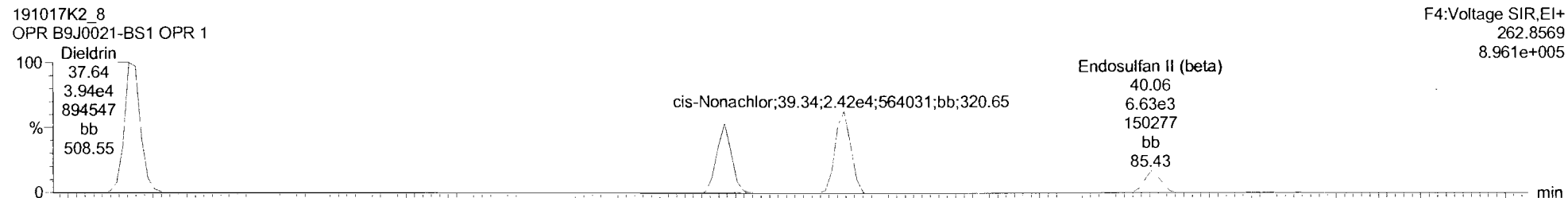
Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

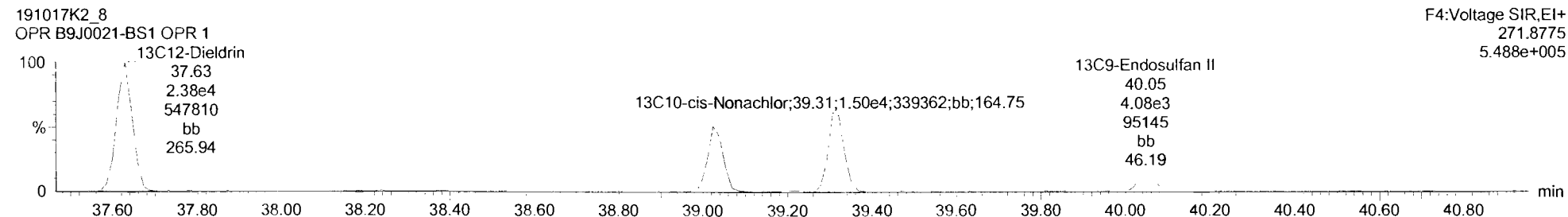
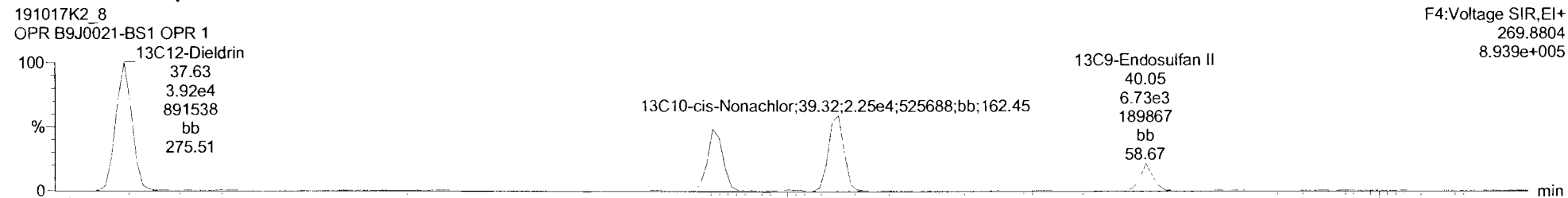
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

Dieldrin-EII



Dieldrin-EII-isotopes



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

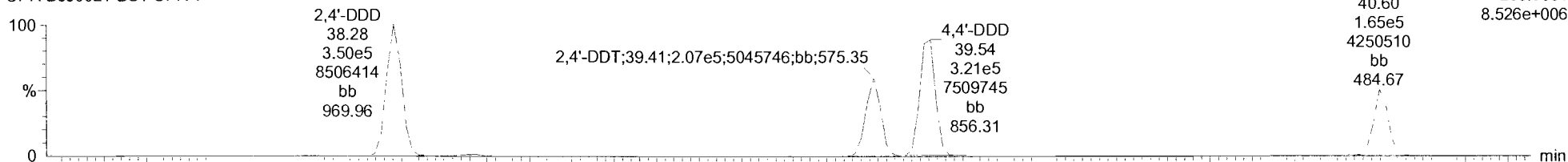
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

DDD-DDT

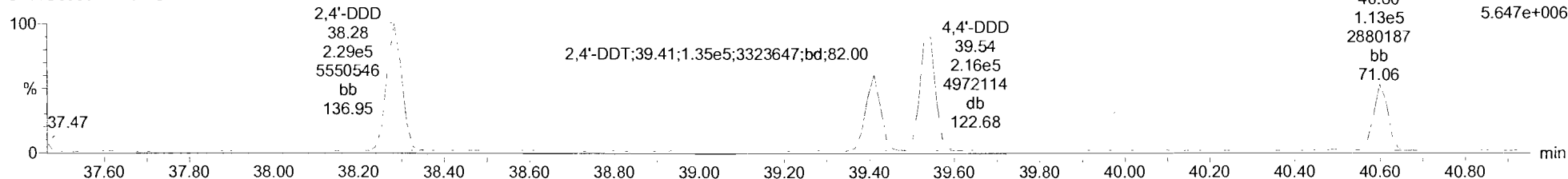
191017K2_8
OPR B9J0021-BS1 OPR 1

F4:Voltage SIR,EI+
235.0081
8.526e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

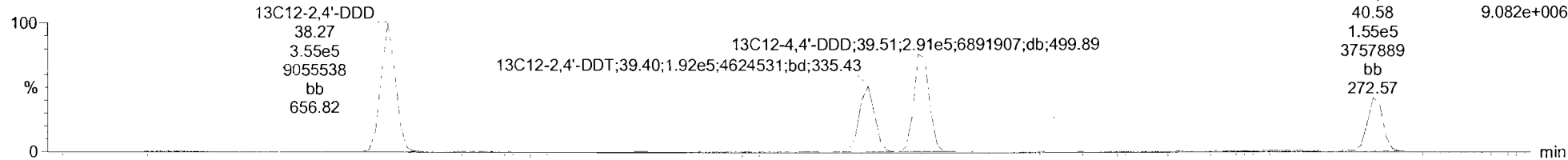
F4:Voltage SIR,EI+
237.0052
5.647e+006



DDD-DDT-isotopes

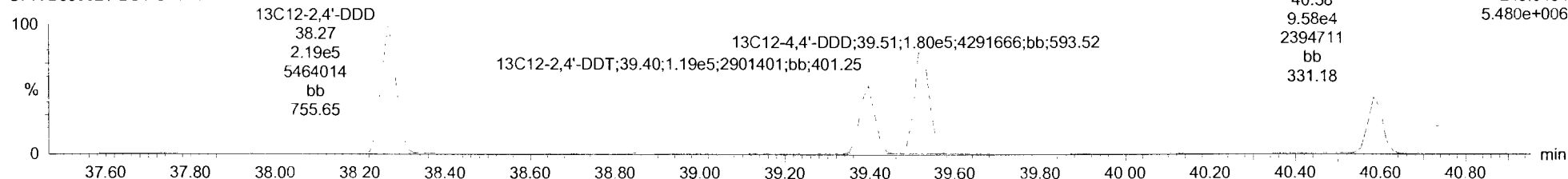
191017K2_8
OPR B9J0021-BS1 OPR 1

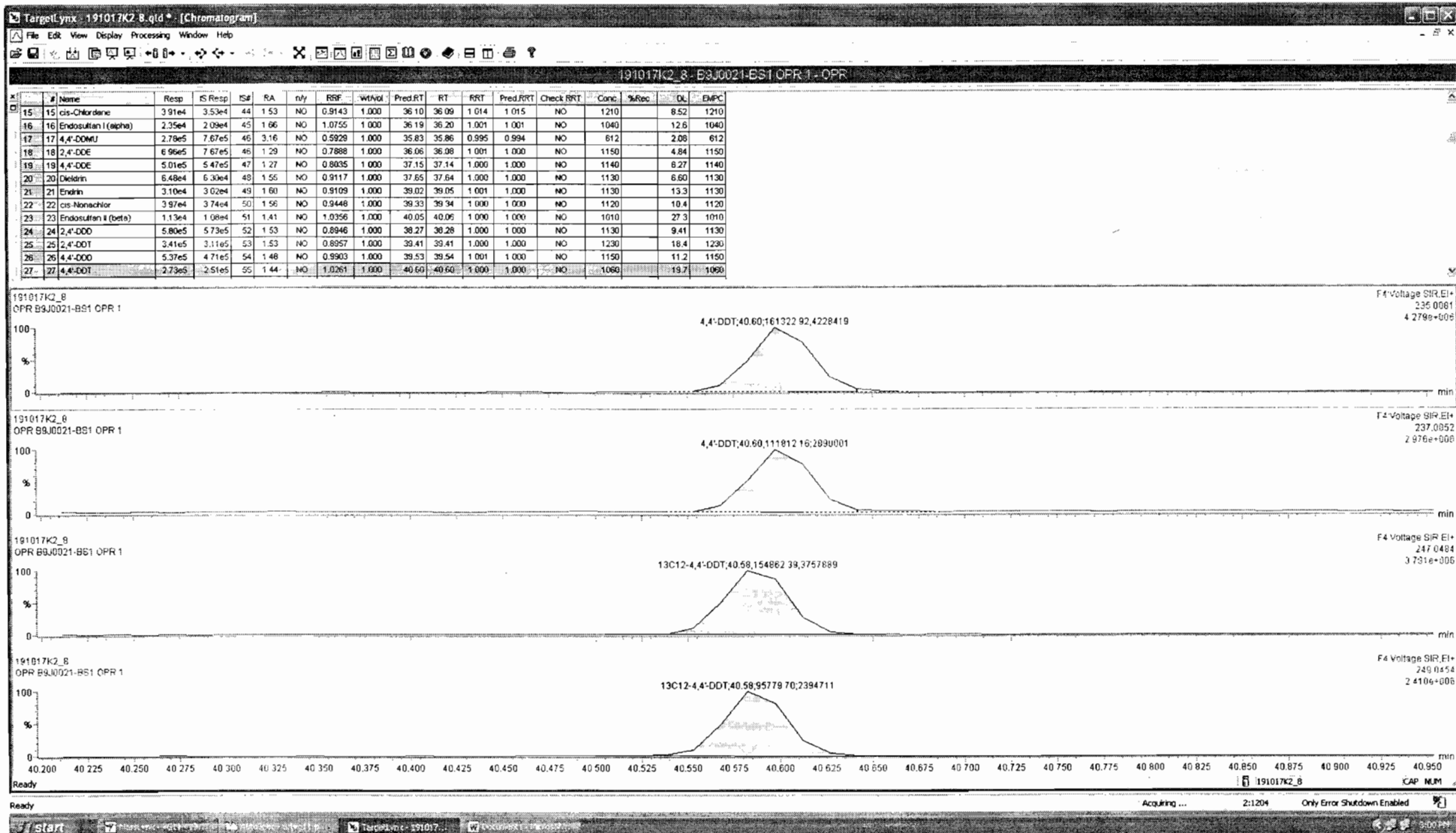
F4:Voltage SIR,EI+
247.0484
9.082e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

F4:Voltage SIR,EI+
249.0454
5.480e+006





Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

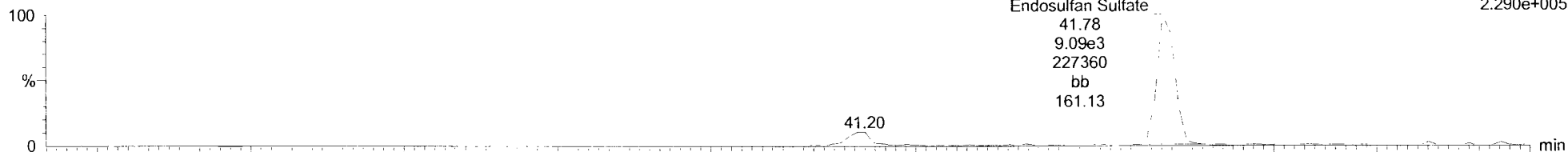
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

Endosulfan Sulfate

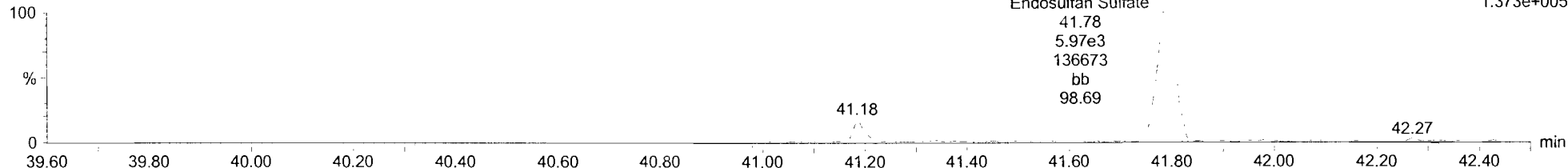
191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
262.8569
2.290e+005



191017K2_8
OPR B9J0021-BS1 OPR 1

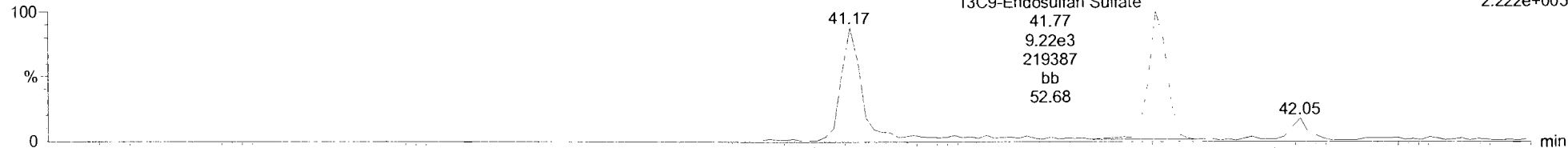
F5:Voltage SIR,EI+
264.8540
1.373e+005



13C9-Endosulfan Sulfate

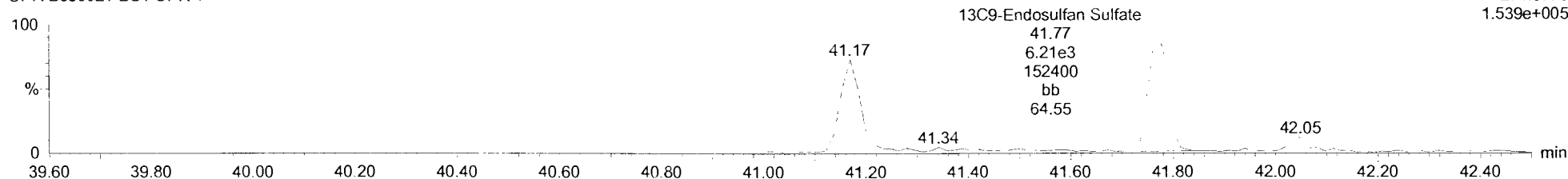
191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
269.8804
2.222e+005



191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
271.8775
1.539e+005



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

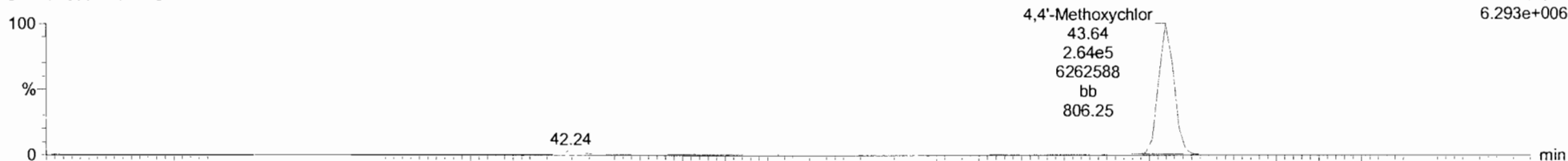
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

4,4'-Methoxychlor

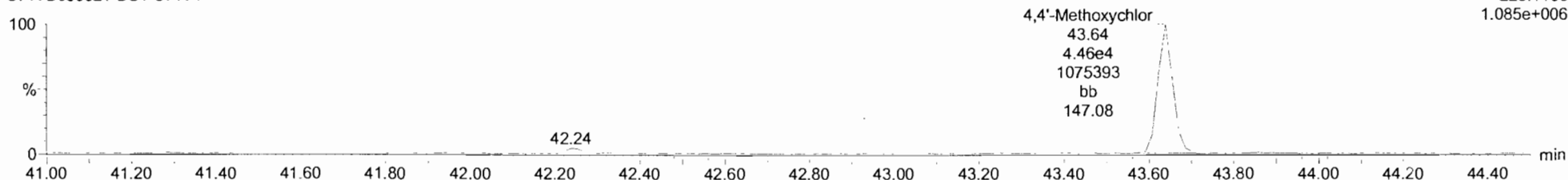
191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
227.1072
6.293e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

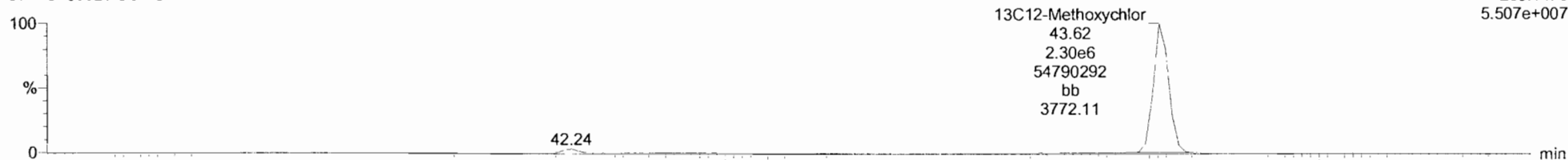
F5:Voltage SIR,EI+
228.1106
1.085e+006



13C12-Methoxychlor

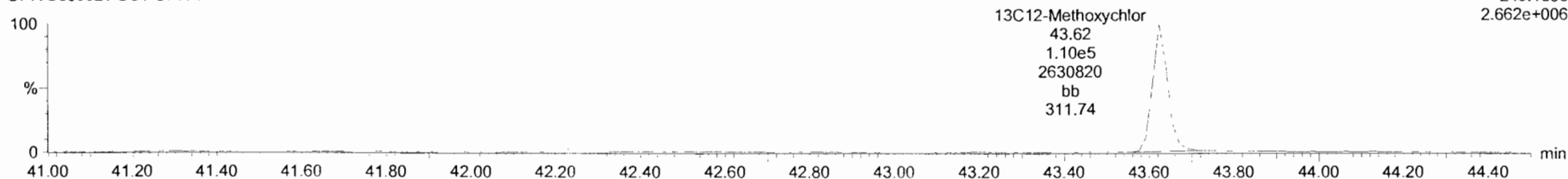
191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
239.1475
5.507e+007



191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
240.1508
2.662e+006



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

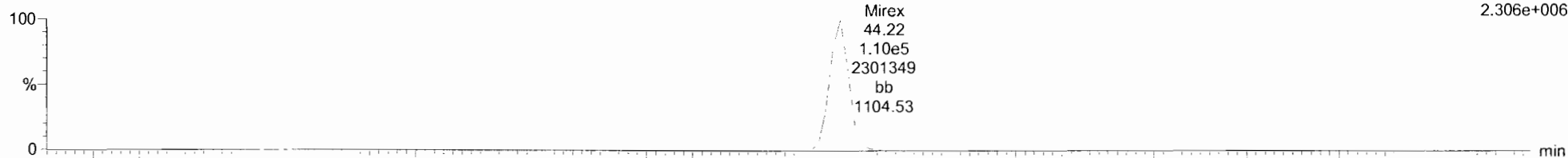
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

Mirex

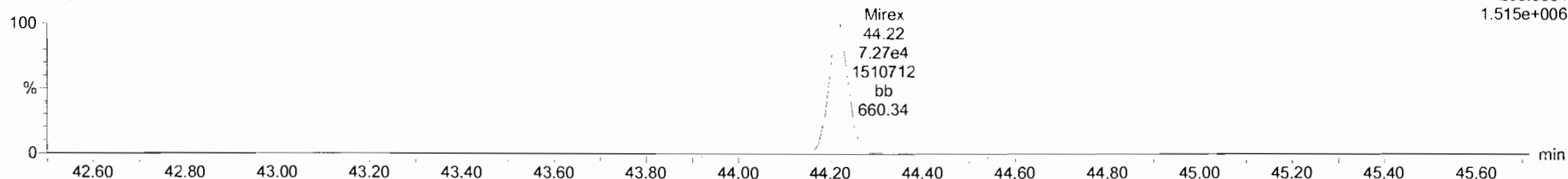
191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
236.8413
2.306e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

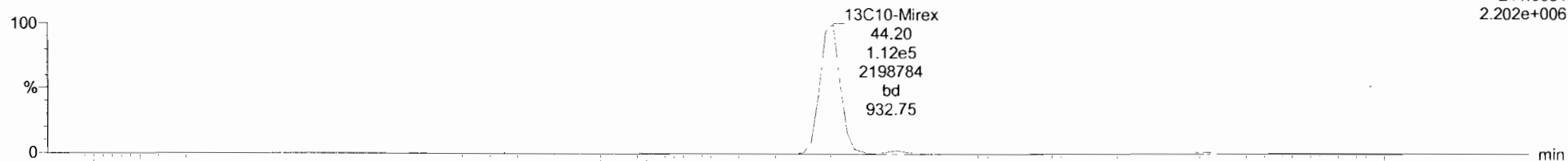
F5:Voltage SIR,EI+
238.8384
1.515e+006



13C10-Mirex

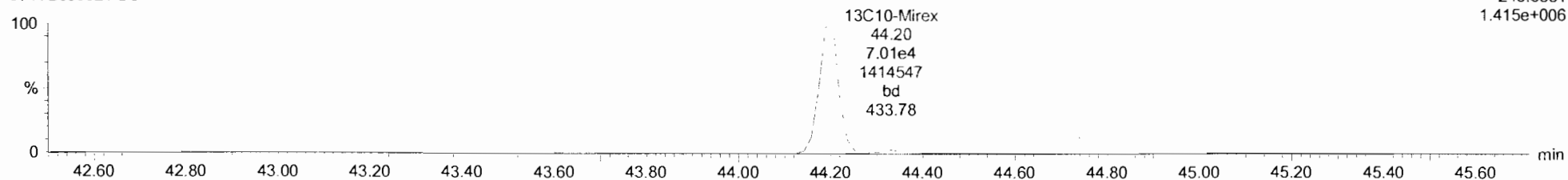
191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
241.8581
2.202e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
243.8551
1.415e+006



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

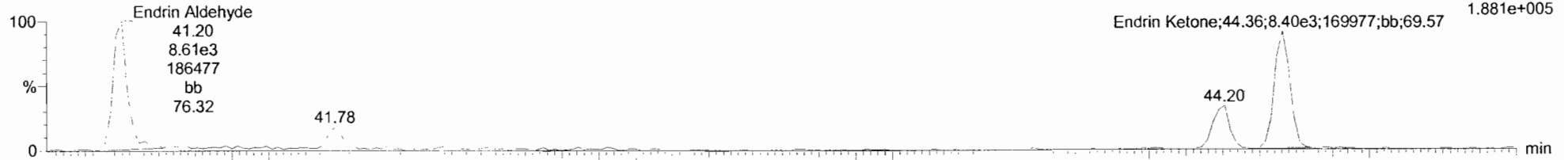
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

EA-EK

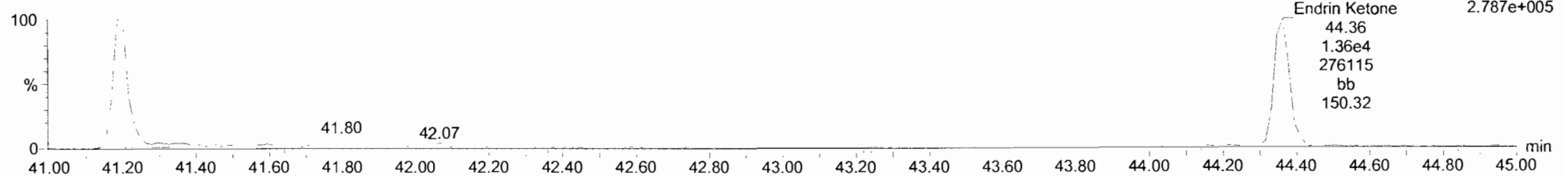
191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
247.8521
1.881e+005



191017K2_8
OPR B9J0021-BS1 OPR 1

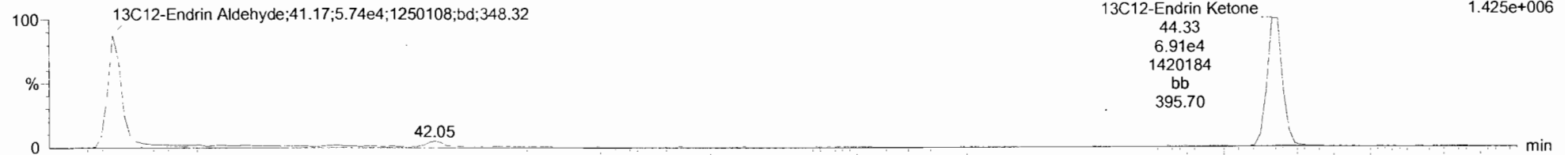
F5:Voltage SIR,EI+
249.8491
2.787e+005



EA-EK-isotopes

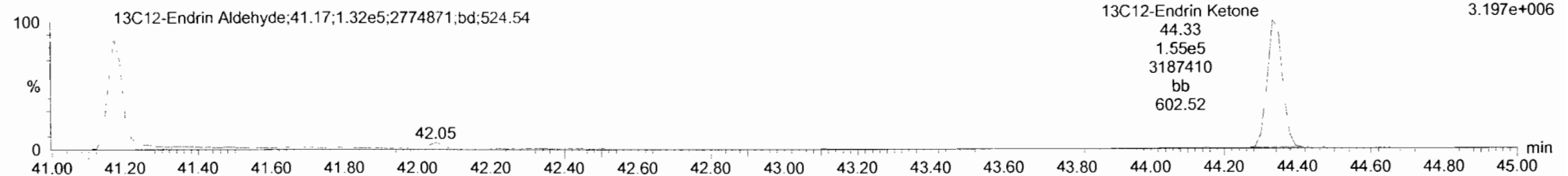
191017K2_8
OPR B9J0021-BS1 OPR 1

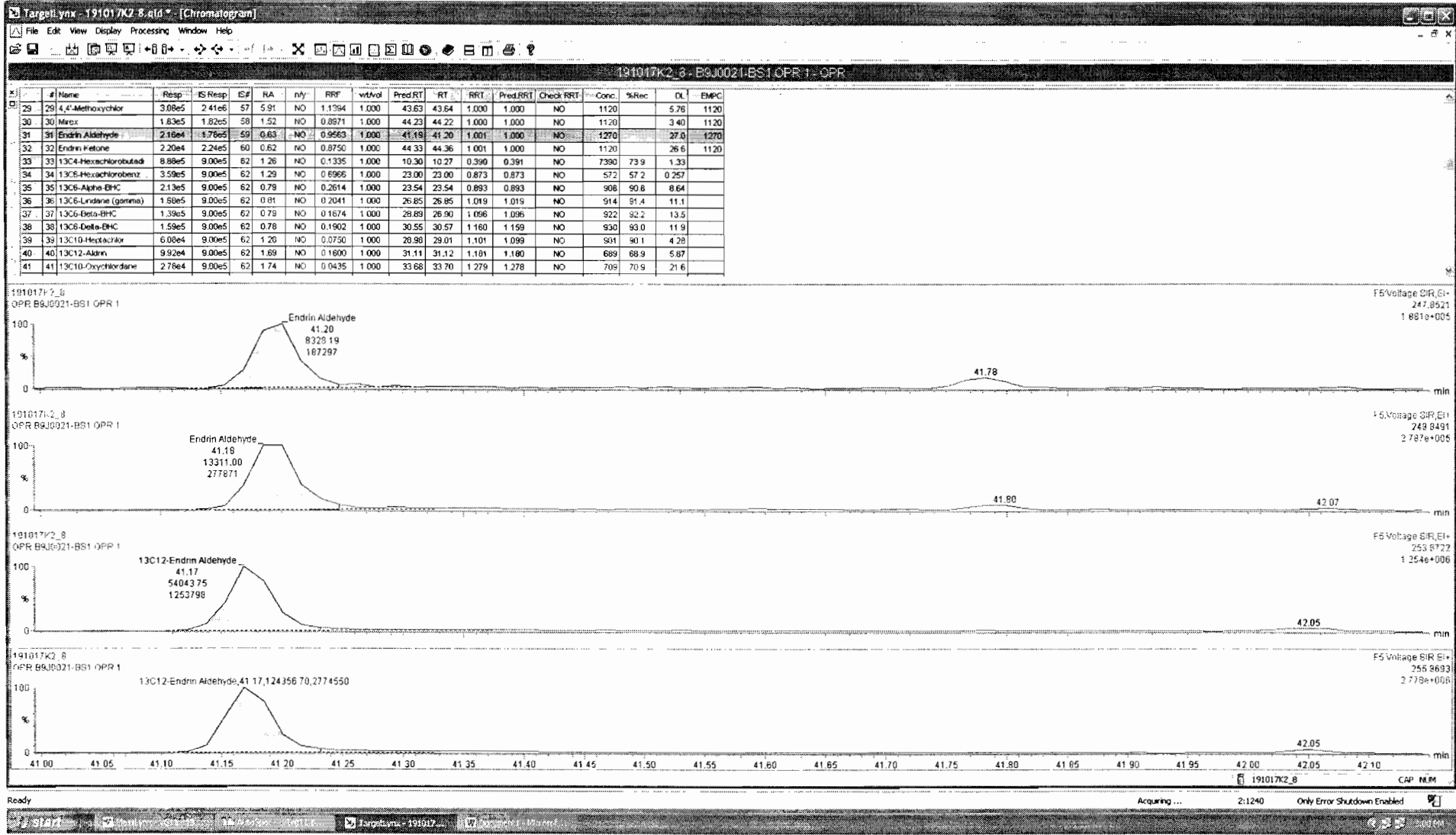
F5:Voltage SIR,EI+
253.8722
1.425e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

F5:Voltage SIR,EI+
255.8693
3.197e+006





Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

13C-PCB-15

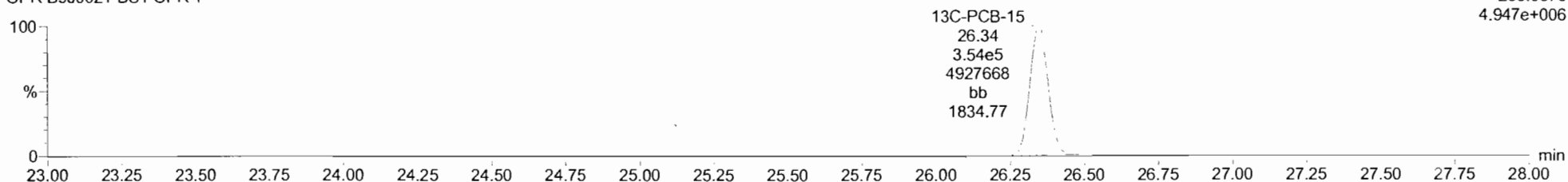
191017K2_8
OPR B9J0021-BS1 OPR 1

F2:Voltage SIR,EI+
234.0406
7.450e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

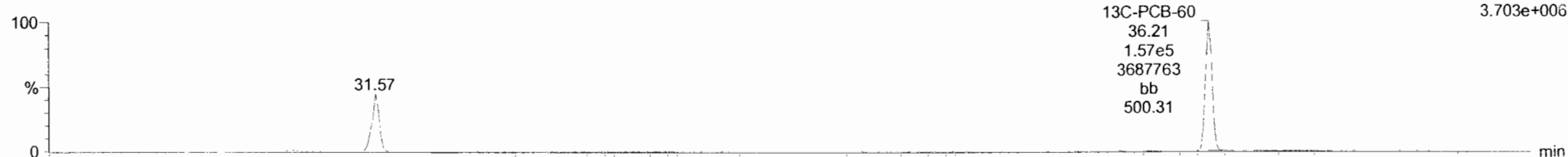
F2:Voltage SIR,EI+
236.0376
4.947e+006



13C-PCB-60

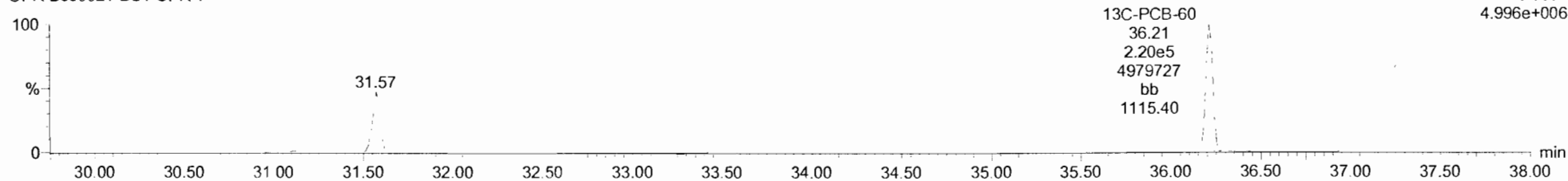
191017K2_8
OPR B9J0021-BS1 OPR 1

F3:Voltage SIR,EI+
301.9626
3.703e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

F3:Voltage SIR,EI+
303.9597
4.996e+006



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

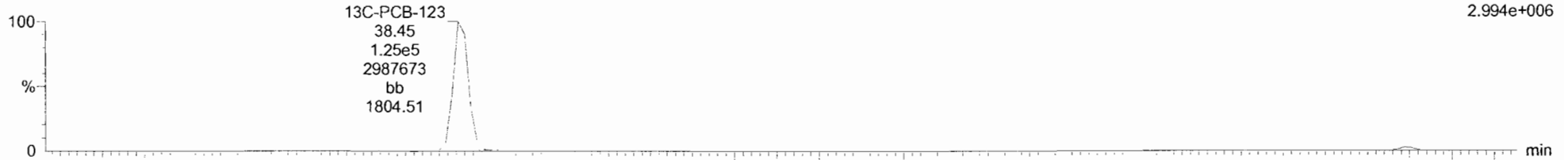
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

13C-PCB-123

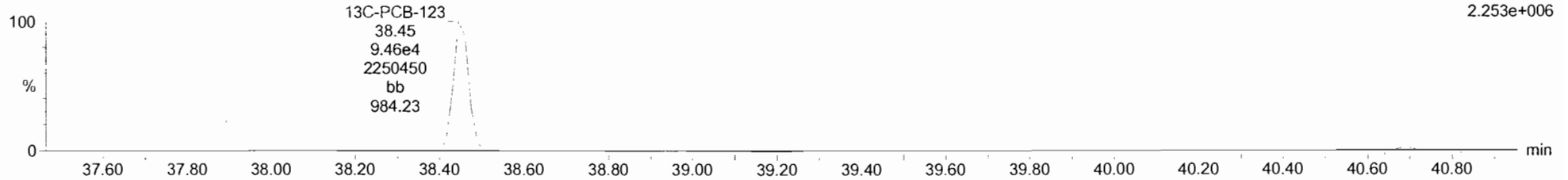
191017K2_8
OPR B9J0021-BS1 OPR 1

F4:Voltage SIR,EI+
337.9210
2.994e+006



191017K2_8
OPR B9J0021-BS1 OPR 1

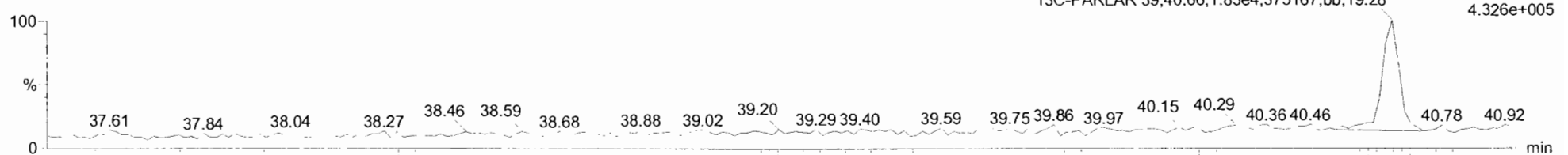
F4:Voltage SIR,EI+
339.9180
2.253e+006



13C-PARLAR 39

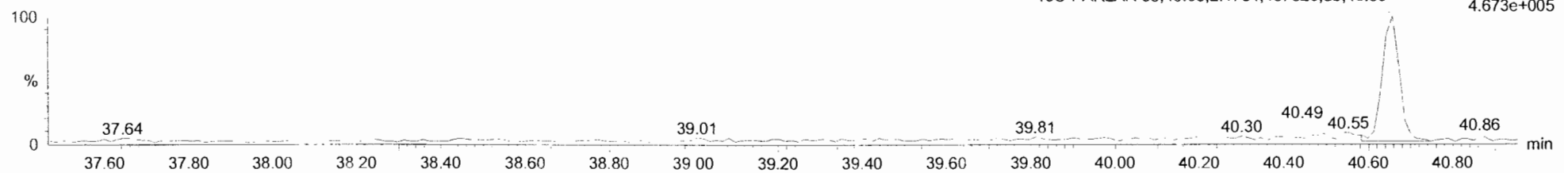
191017K2_8
OPR B9J0021-BS1 OPR 1

F4:Voltage SIR,EI+
251.9648
4.326e+005
13C-PARLAR 39;40.66;1.83e4;375167;bb;19.28



191017K2_8
OPR B9J0021-BS1 OPR 1

F4:Voltage SIR,EI+
253.9619
4.673e+005
13C-PARLAR 39;40.66;2.17e4;457526;db;48.93



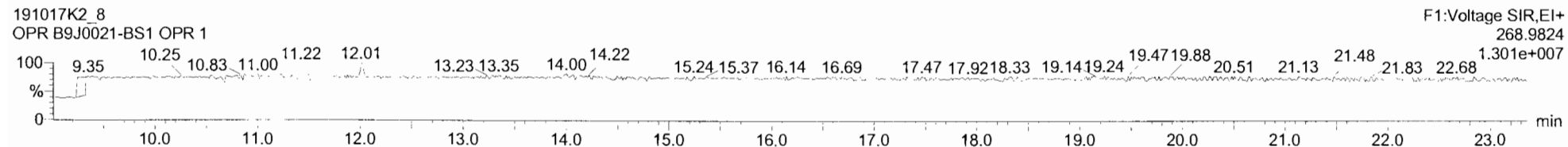
Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:33:18 Pacific Daylight Time

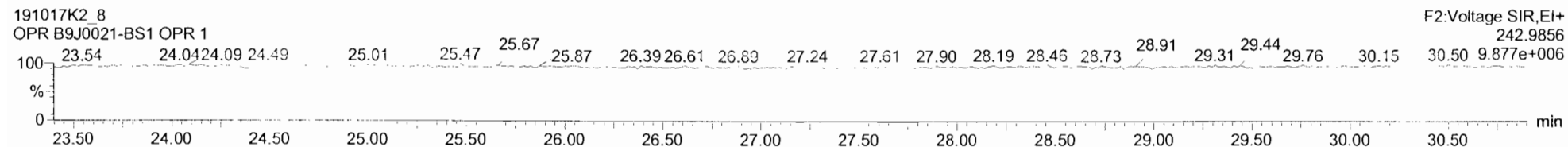
Printed: Friday, October 18, 2019 08:58:47 Pacific Daylight Time

Name: 191017K2_8, Date: 17-Oct-2019, Time: 21:22:00, ID: B9J0021-BS1 OPR 1, Description: OPR

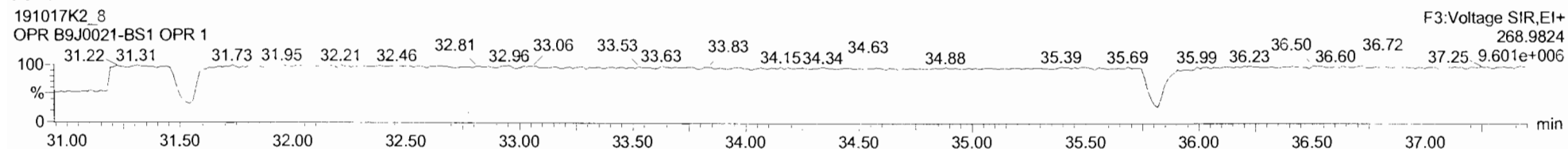
PFK1



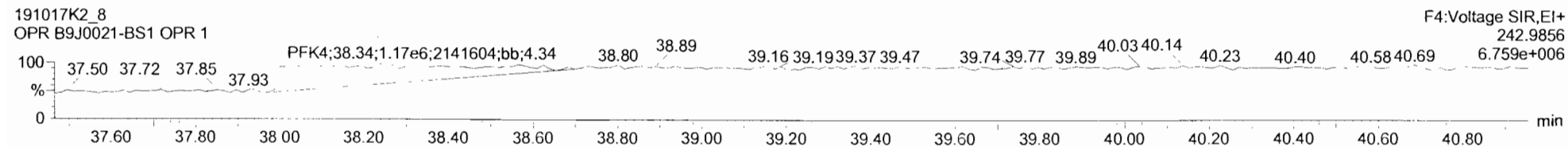
PFK2



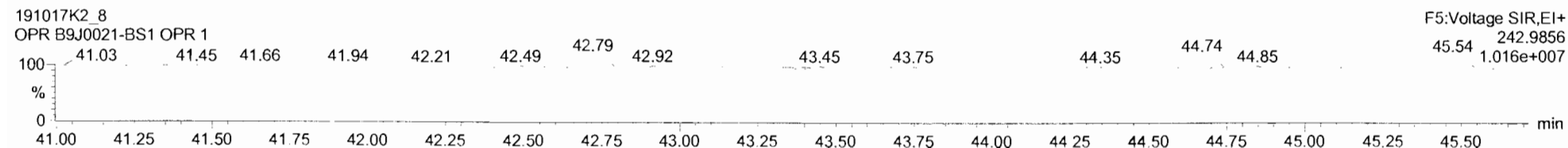
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191021K2\191021K2-16.qld

Last Altered: Tuesday, October 22, 2019 15:42:07 Pacific Daylight Time

Printed: Tuesday, October 22, 2019 15:42:17 Pacific Daylight Time

GRB 10/22/19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

C1 10/29/19

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|------|-----|-------|--------|---------|-------|-------|----------|----------|------|------|-------|------|
| 1 | 2 Hexachlorobenzene | 1.18e4 | 1.05e6 | 1.14 | NO | 0.840 | 0.997 | 23.12 | 23.11 | 1.001 | 1.001 | NO | 13.5 | | 0.190 | 13.5 |
| 2 | 3 Alpha-BHC | | 5.17e5 | | NO | 0.751 | 0.997 | 23.69 | | | 1.002 | NO | | | 2.72 | |
| 3 | 4 Lindane (gamma-BHC) | | 4.31e5 | | NO | 0.717 | 0.997 | 27.00 | | | 1.001 | YES | | | 3.99 | |
| 4 | 5 Beta-BHC | | 3.44e5 | | NO | 0.870 | 0.997 | 29.00 | | | 1.000 | YES | | | 3.34 | |
| 5 | 6 Delta-BHC | | 3.95e5 | | NO | 0.817 | 0.997 | 30.68 | | | 1.001 | YES | | | 2.93 | |
| 6 | 7 Heptachlor | | 3.65e5 | | NO | 0.868 | 0.997 | 29.15 | | | 1.001 | YES | | | 1.22 | |
| 7 | 9 Aldrin | | 4.16e5 | | NO | 0.946 | 0.997 | 31.25 | | | 1.001 | YES | | | 1.21 | |
| 8 | 10 Oxychlorane | | 1.17e5 | | NO | 0.926 | 0.997 | 33.82 | | | 1.001 | YES | | | 3.83 | |
| 9 | 11 cis-Heptachlor Epoxide | | 1.54e5 | | NO | 0.937 | 0.997 | 34.61 | | | 1.001 | YES | | | 2.67 | |
| 10 | 12 trans-Heptachlor Epox... | | 1.54e5 | | NO | 0.238 | 0.997 | 35.11 | | | 1.015 | YES | | | 10.5 | |
| 11 | 13 trans-Chlordane (gam... | | 1.17e5 | | NO | 0.980 | 0.997 | 35.52 | | | 1.001 | YES | | | 3.56 | |
| 12 | 14 trans-Nonachlor | | 1.33e5 | | NO | 0.902 | 0.997 | 35.71 | | | 1.001 | YES | | | 3.30 | |
| 13 | 15 cis-Chlordane | | 1.33e5 | | NO | 0.899 | 0.997 | 36.20 | | | 1.015 | NO | | | 3.32 | |
| 14 | 16 Endosulfan I (alpha) | | 7.62e4 | | NO | 1.03 | 0.997 | 36.29 | | | 1.001 | YES | | | 4.57 | |
| 15 | 18 2,4'-DDE | | 2.60e6 | | NO | 0.758 | 0.997 | 36.16 | | | 1.000 | NO | | | 2.35 | |
| 16 | 19 4,4'-DDE | | 1.83e6 | | NO | 0.771 | 0.997 | 37.24 | | | 1.000 | NO | | | 3.36 | |
| 17 | 20 Dieldrin | | 1.78e5 | | NO | 0.927 | 0.997 | 37.74 | | | 1.000 | YES | | | 3.06 | |
| 18 | 21 Endrin | | 1.34e5 | | NO | 0.902 | 0.997 | 39.13 | | | 1.000 | YES | | | 3.94 | |
| 19 | 22 cis-Nonachlor | | 1.05e5 | | NO | 0.913 | 0.997 | 39.42 | | | 1.000 | YES | | | 4.49 | |
| 20 | 23 Endosulfan II (beta) | | 2.62e4 | | NO | 1.03 | 0.997 | 40.14 | | | 1.000 | NO | | | 18.4 | |
| 21 | 24 2,4'-DDD | | 1.57e6 | | NO | 0.890 | 0.997 | 38.36 | | | 1.000 | NO | | | 5.43 | |
| 22 | 25 2,4'-DDT | | 1.04e6 | | NO | 0.865 | 0.997 | 39.50 | | | 1.000 | NO | | | 8.07 | |
| 23 | 26 4,4'-DDD | | 1.32e6 | | NO | 0.971 | 0.997 | 39.64 | | | 1.000 | NO | | | 5.98 | |
| 24 | 27 4,4'-DDT | | 9.13e5 | | NO | 0.974 | 0.997 | 40.71 | | | 1.000 | NO | | | 8.77 | |
| 25 | 28 Endosulfan Sulfate | | 4.70e4 | | NO | 0.896 | 0.997 | 41.86 | | | 1.000 | YES | | | 14.4 | |
| 26 | 29 4,4'-Methoxychlor | | 7.64e6 | | NO | 1.10 | 0.997 | 43.74 | | | 1.000 | NO | | | 3.62 | |
| 27 | 30 Mirex | | 3.94e5 | | NO | 0.870 | 0.997 | 44.34 | | | 1.000 | YES | | | 2.23 | |
| 28 | 31 Endrin Aldehyde | | 5.06e5 | | NO | 0.962 | 0.997 | 41.28 | | | 1.000 | YES | | | 10.8 | |
| 29 | 32 Endrin Ketone | | 4.80e5 | | NO | 0.867 | 0.997 | 44.44 | | | 1.000 | YES | | | 12.3 | |
| 30 | 34 13C6-Hexachlorobenz... | 1.05e6 | 2.39e6 | 1.27 | NO | 0.710 | 0.997 | 23.10 | 23.10 | 0.873 | 0.873 | NO | 619 | 61.7 | 0.138 | |
| 31 | 35 13C6-Alpha-BHC | 5.17e5 | 2.39e6 | 0.77 | NO | 0.255 | 0.997 | 23.64 | 23.64 | 0.893 | 0.893 | NO | 849 | 84.7 | 0.138 | |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-16.qld

Last Altered: Tuesday, October 22, 2019 15:42:07 Pacific Daylight Time

Printed: Tuesday, October 22, 2019 15:42:17 Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

| | #-Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|-------|-----|--------|--------|---------|-------|-------|----------|----------|-------|------|-------|------|
| 32 | 36 13C6-Lindane (gamma) | 4.31e5 | 2.39e6 | 0.81 | NO | 0.216 | 0.997 | 26.97 | 26.97 | 1.019 | 1.019 | NO | 838 | 83.5 | 6.41 | |
| 33 | 37 13C6-Beta-BHC | 3.44e5 | 2.39e6 | 0.78 | NO | 0.162 | 0.997 | 29.01 | 28.99 | 1.095 | 1.096 | NO | 889 | 88.6 | 8.51 | |
| 34 | 38 13C6-Delta-BHC | 3.95e5 | 2.39e6 | 0.78 | NO | 0.185 | 0.997 | 30.69 | 30.66 | 1.158 | 1.159 | NO | 896 | 89.3 | 7.48 | |
| 35 | 39 13C10-Heptachlor | 3.65e5 | 2.39e6 | 1.26 | NO | 0.178 | 0.997 | 29.10 | 29.12 | 1.100 | 1.099 | NO | 861 | 85.8 | 1.04 | |
| 36 | 40 13C12-Aldrin | 4.16e5 | 2.39e6 | 1.58 | NO | 0.186 | 0.997 | 31.24 | 31.22 | 1.180 | 1.180 | NO | 937 | 93.4 | 2.56 | |
| 37 | 41 13C10-Oxychlorane | 1.17e5 | 2.39e6 | 1.55 | NO | 0.0499 | 0.997 | 33.82 | 33.80 | 1.277 | 1.278 | NO | 983 | 98.0 | 9.57 | |
| 38 | 42 13C10-cis-Heptachlor ... | 1.54e5 | 2.39e6 | 1.61 | NO | 0.0657 | 0.997 | 34.61 | 34.59 | 1.307 | 1.308 | NO | 984 | 98.1 | 7.26 | |
| 39 | 43 13C10-trans-Chlordan... | 1.17e5 | 2.39e6 | 1.55 | NO | 0.0525 | 0.997 | 35.52 | 35.49 | 1.341 | 1.342 | NO | 932 | 92.9 | 9.08 | |
| 40 | 44 13C10-trans-Nonachlor | 1.33e5 | 2.39e6 | 1.55 | NO | 0.0587 | 0.997 | 35.71 | 35.69 | 1.348 | 1.349 | NO | 948 | 94.5 | 8.13 | |
| 41 | 45 13C9-Endosulfan I (al... | 7.62e4 | 2.39e6 | 1.57 | NO | 0.0343 | 0.997 | 36.31 | 36.27 | 1.370 | 1.372 | NO | 931 | 92.8 | 13.9 | |
| 42 | 46 13C12-2,4'-DDE | 2.60e6 | 2.39e6 | 1.60 | NO | 1.01 | 0.997 | 36.16 | 36.15 | 0.996 | 0.996 | NO | 1080 | 108 | 5.48 | |
| 43 | 47 13C12-4,4'-DDE | 1.83e6 | 2.39e6 | 1.57 | NO | 0.760 | 0.997 | 37.22 | 37.22 | 1.025 | 1.025 | NO | 1010 | 100 | 7.27 | |
| 44 | 48 13C12-Dieldrin | 1.78e5 | 2.39e6 | 1.61 | NO | 0.0797 | 0.997 | 37.72 | 37.72 | 1.039 | 1.039 | NO | 935 | 93.2 | 6.35 | |
| 45 | 49 13C12-Endrin | 1.34e5 | 2.39e6 | 1.60 | NO | 0.0599 | 0.997 | 39.11 | 39.13 | 1.078 | 1.078 | NO | 940 | 93.7 | 8.45 | |
| 46 | 50 13C10-cis-Nonachlor | 1.05e5 | 2.39e6 | 1.55 | NO | 0.0486 | 0.997 | 39.39 | 39.41 | 1.086 | 1.085 | NO | 907 | 90.4 | 10.4 | |
| 47 | 51 13C9-Endosulfan II | 2.62e4 | 2.39e6 | 1.43 | NO | 0.0145 | 0.997 | 40.13 | 40.14 | 1.106 | 1.106 | NO | 757 | 75.4 | 34.8 | |
| 48 | 52 13C12-2,4'-DDD | 1.57e6 | 2.39e6 | 1.57 | NO | 0.653 | 0.997 | 38.40 | 38.36 | 1.449 | 1.451 | NO | 1010 | 100 | 3.23 | |
| 49 | 53 13C12-2,4'-DDT | 1.04e6 | 2.39e6 | 1.59 | NO | 0.443 | 0.997 | 39.51 | 39.48 | 1.492 | 1.493 | NO | 981 | 97.8 | 4.76 | |
| 50 | 54 13C12-4,4'-DDD | 1.32e6 | 2.39e6 | 1.58 | NO | 0.550 | 0.997 | 39.64 | 39.62 | 1.497 | 1.498 | NO | 1010 | 100 | 3.84 | |
| 51 | 55 13C12-4,4'-DDT | 9.13e5 | 2.39e6 | 1.56 | NO | 0.354 | 0.997 | 40.71 | 40.69 | 1.537 | 1.538 | NO | 1080 | 108 | 5.96 | |
| 52 | 56 13C9-Endosulfan Sulf... | 4.70e4 | 2.39e6 | 1.56 | NO | 0.0239 | 0.997 | 41.84 | 41.86 | 1.153 | 1.153 | NO | 824 | 82.1 | 29.9 | |
| 53 | 57 13C12-Methoxychlor | 7.64e6 | 2.39e6 | 22.46 | NO | 0.362 | 0.997 | 43.70 | 43.73 | 1.205 | 1.204 | NO | 8860 | 88.3 | 20.2 | |
| 54 | 58 13C10-Mirex | 3.94e5 | 2.39e6 | 1.58 | NO | 0.184 | 0.997 | 44.30 | 44.31 | 1.221 | 1.220 | NO | 899 | 89.6 | 3.77 | |
| 55 | 59 13C12-Endrin Aldehyde | 5.06e5 | 2.39e6 | 0.45 | NO | 0.0307 | 0.997 | 41.24 | 41.26 | 1.137 | 1.136 | NO | 6890 | 68.7 | 43.2 | |
| 56 | 60 13C12-Endrin Ketone | 4.80e5 | 2.39e6 | 0.43 | NO | 0.0240 | 0.997 | 44.42 | 44.44 | 1.224 | 1.224 | NO | 8380 | 83.6 | 55.3 | |
| 57 | 62 13C-PCB-15 | 2.39e6 | 2.39e6 | 1.47 | NO | 1.00 | 0.997 | 26.42 | 26.47 | 1.000 | 1.000 | NO | 1000 | 100 | 0.788 | |

Dataset: Untitled

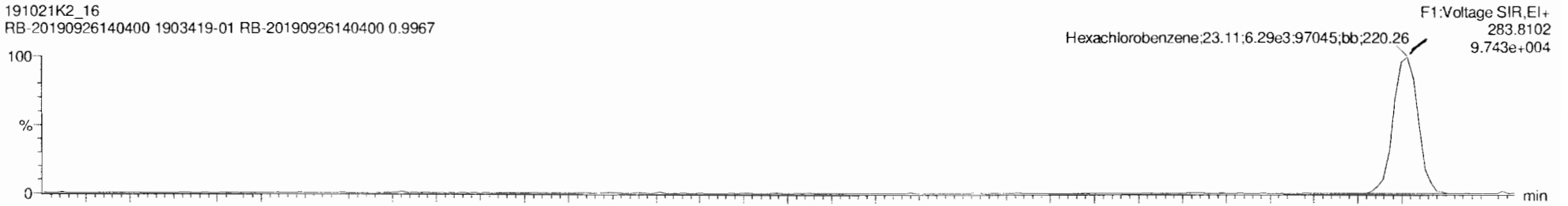
Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

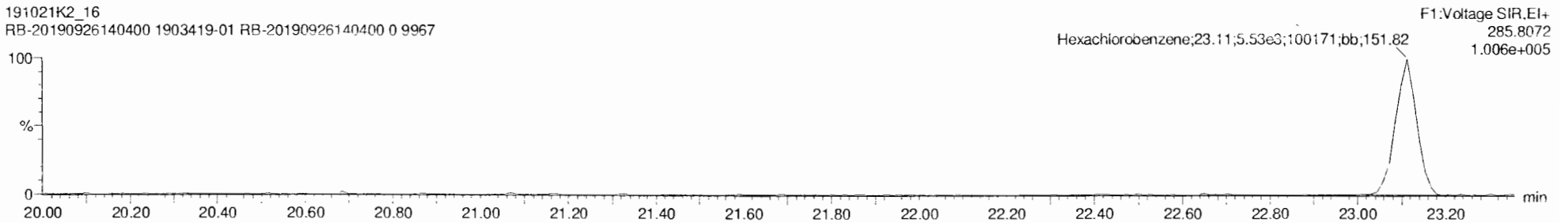
Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

Hexachlorobenzene

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

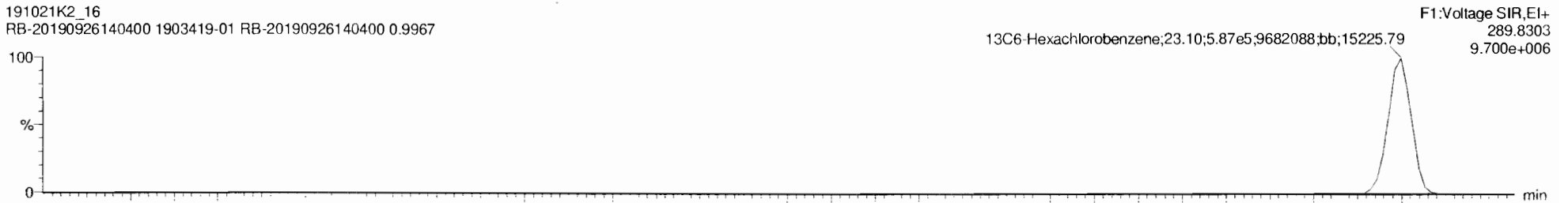


191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

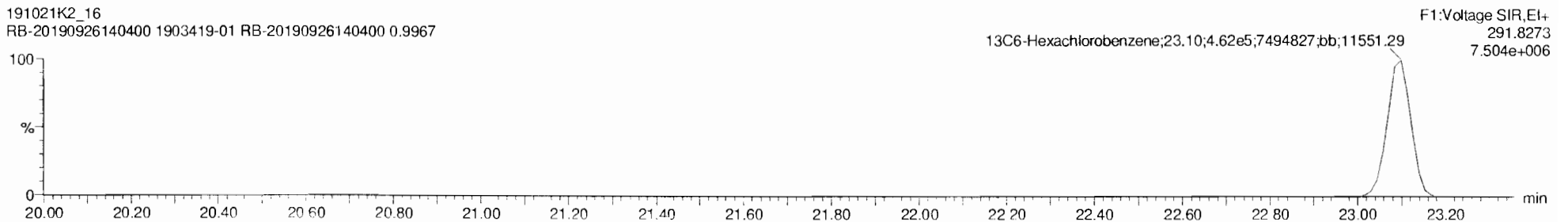


13C6-Hexachlorobenzene

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

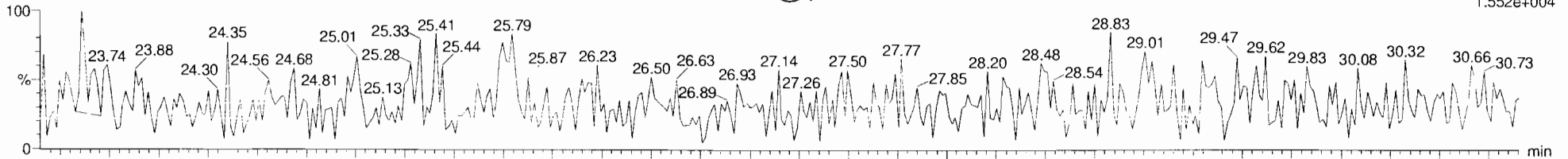
Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

BHC Totals

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

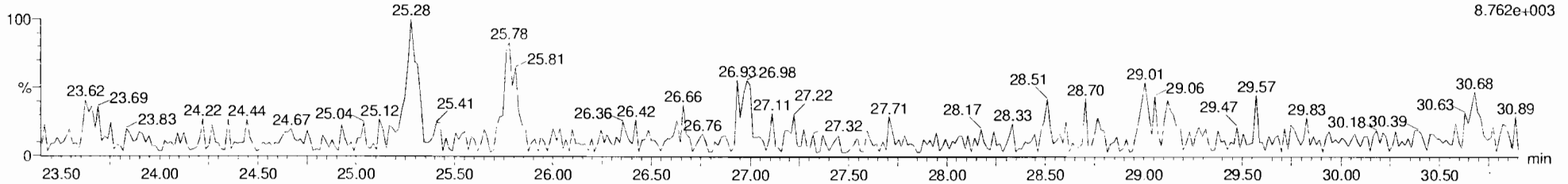
SN

F2:Voltage SIR,EI+
218.9116
1.552e+004



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

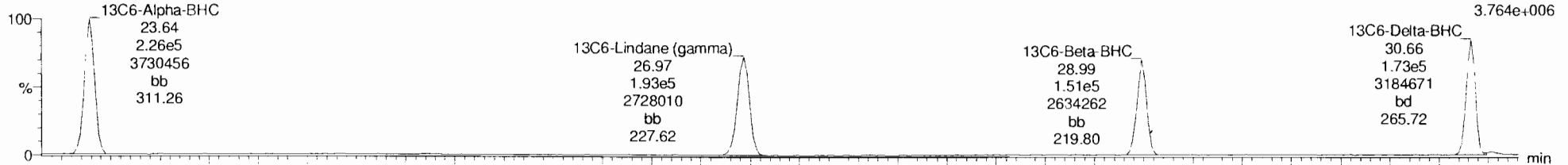
F2:Voltage SIR,EI+
220.9086
8.762e+003



BHC-isotopes

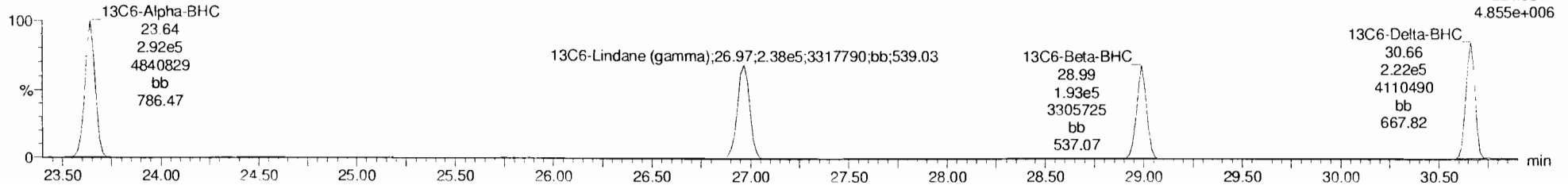
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F2:Voltage SIR,EI+
222.9346
3.764e+006



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F2:Voltage SIR,EI+
224.9317
4.855e+006



Dataset: Untitled

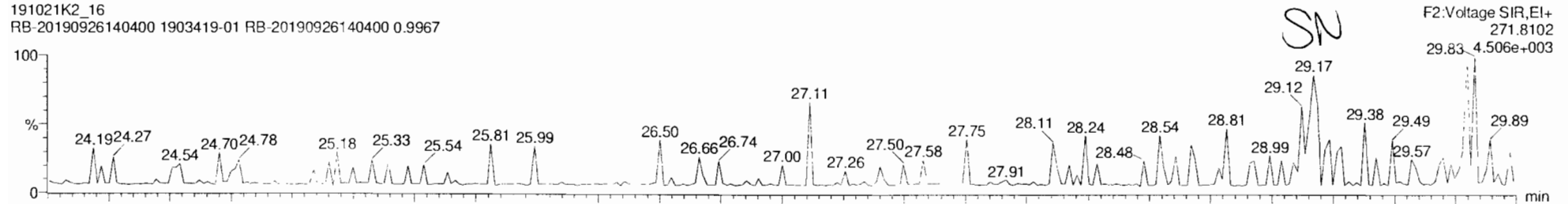
Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

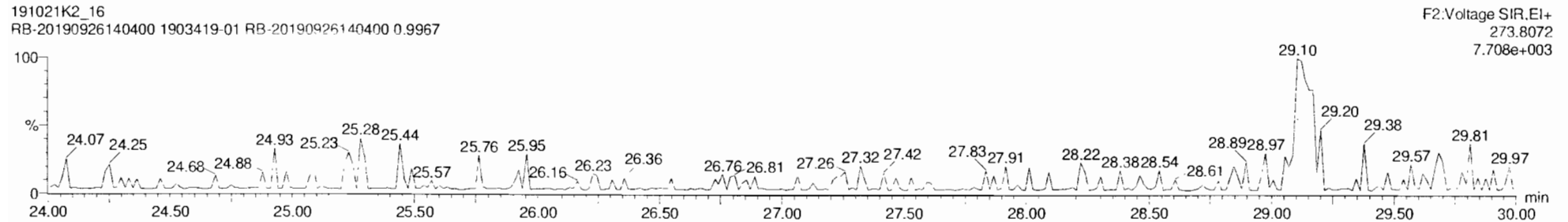
Heptachlor

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



F2:Voltage SIR,EI+
271.8102
29.83_4.506e+003

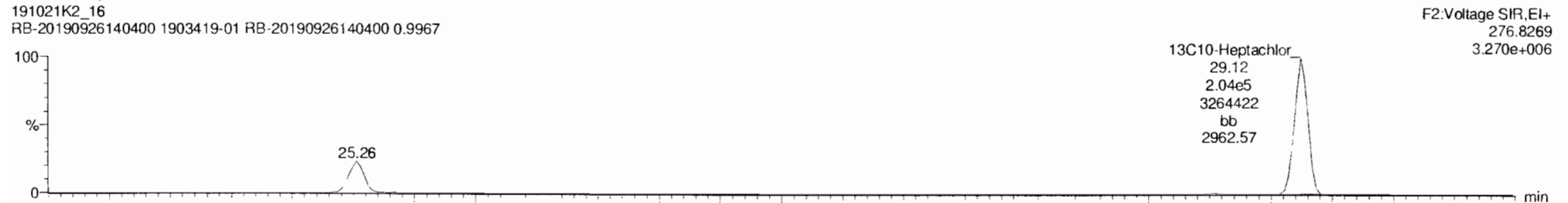
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



F2:Voltage SIR,EI+
273.8072
7.708e+003

13C10-Heptachlor

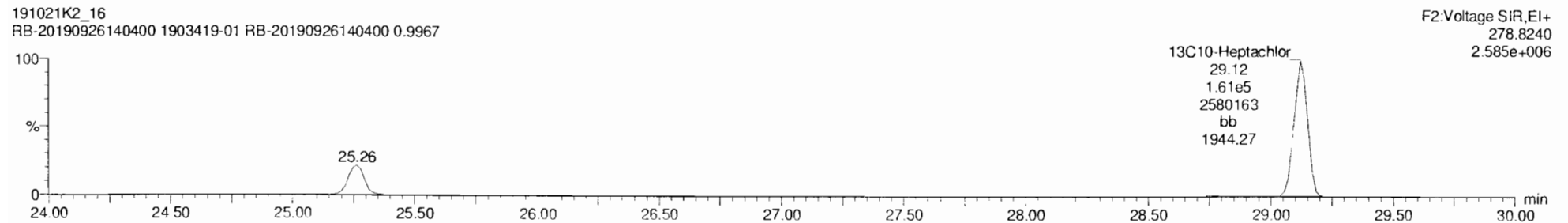
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



13C10-Heptachlor
29.12
2.04e5
3264422
bb
2962.57

F2:Voltage SIR,EI+
276.8269
3.270e+006

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



13C10-Heptachlor
29.12
1.61e5
2580163
bb
1944.27

F2:Voltage SIR,EI+
278.8240
2.585e+006

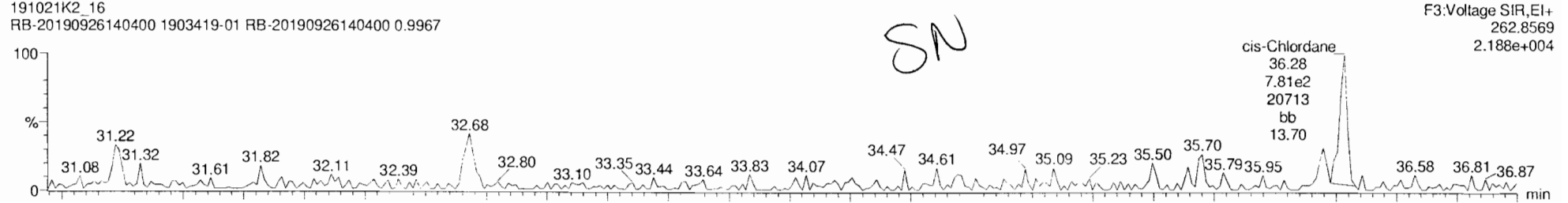
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

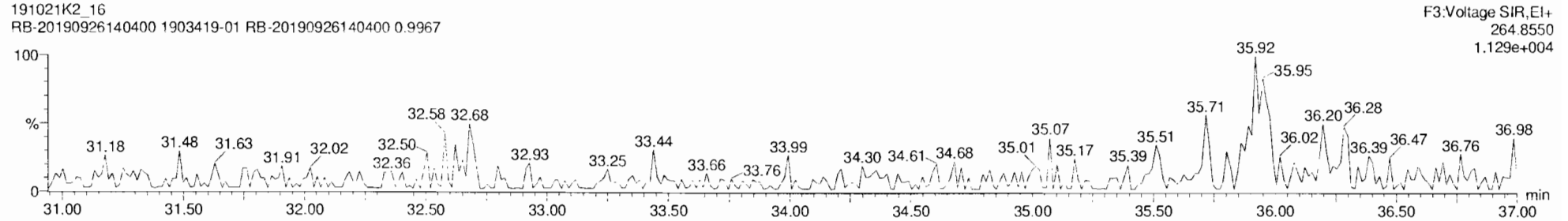
Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

Aldrin-EI

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

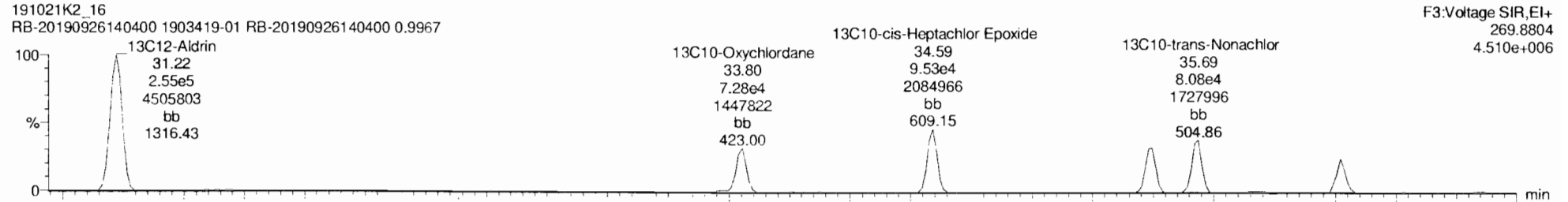


191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

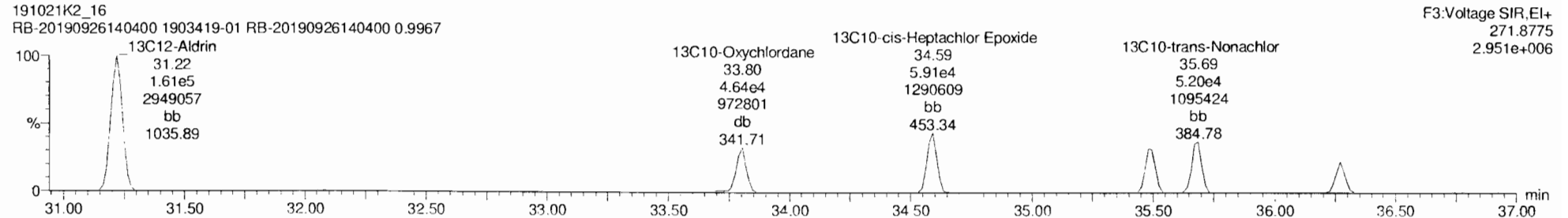


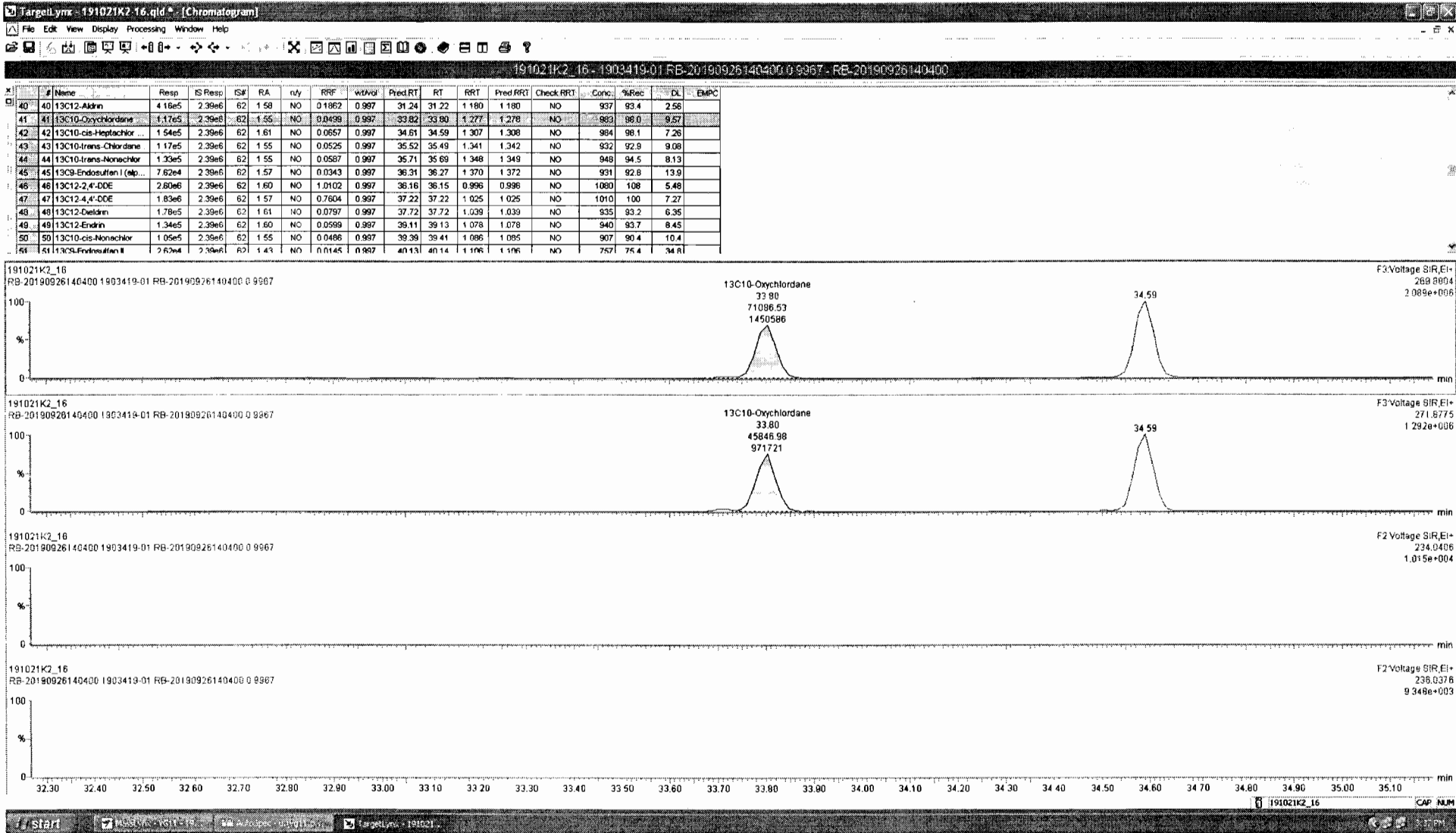
Aldrin-EI-isotopes

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967





Dataset: Untitled

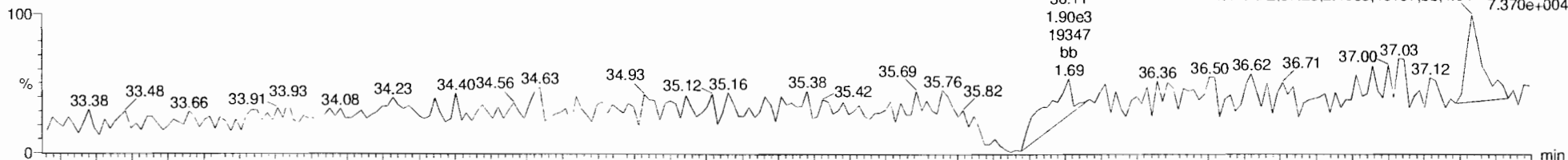
Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

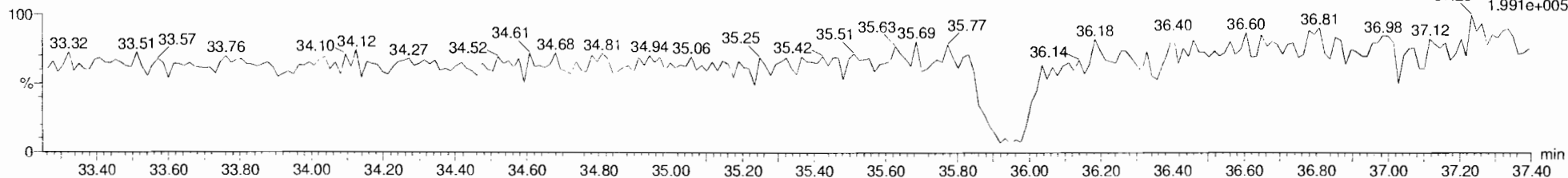
Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

DDMU-DDE

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

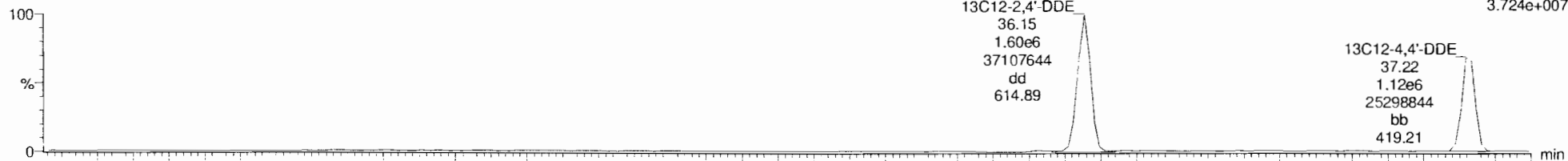


191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

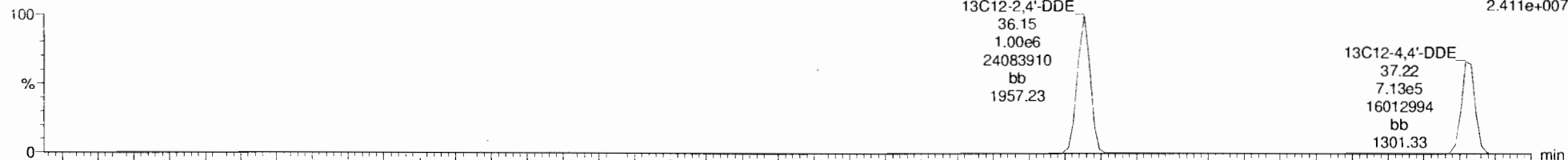


DDE-isotopes

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

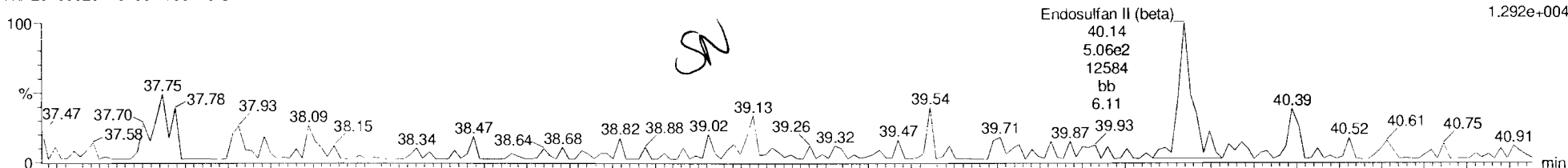
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

Dieldrin-EII

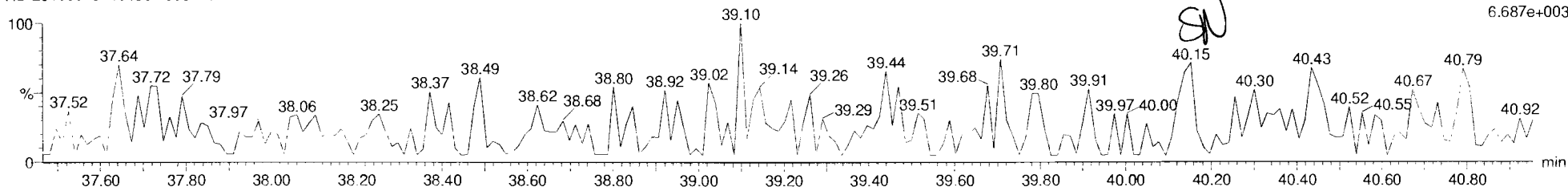
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F4:Voltage SIR,EI+
262.8569
1.292e+004



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

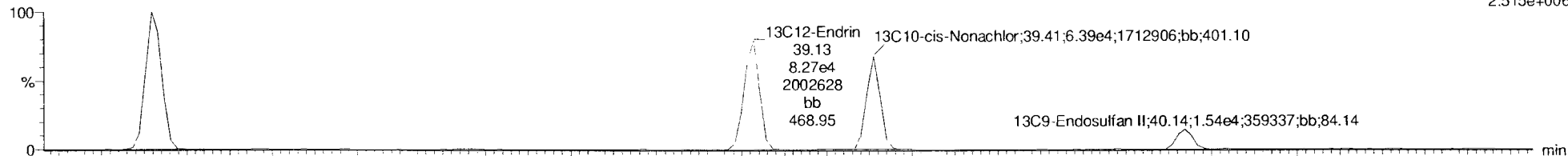
F4:Voltage SIR,EI+
264.8550
6.687e+003



Dieldrin-EII-isotopes

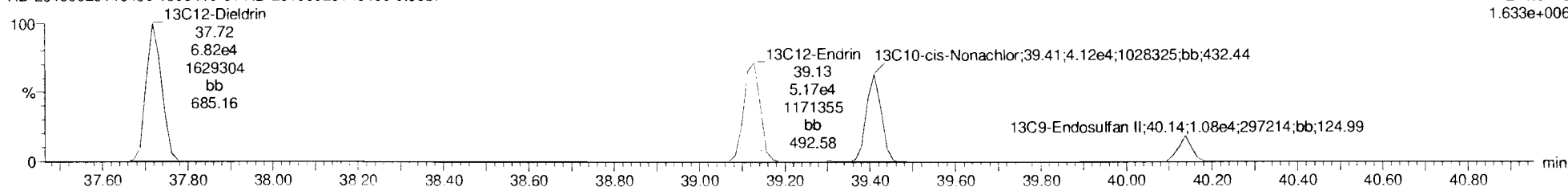
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

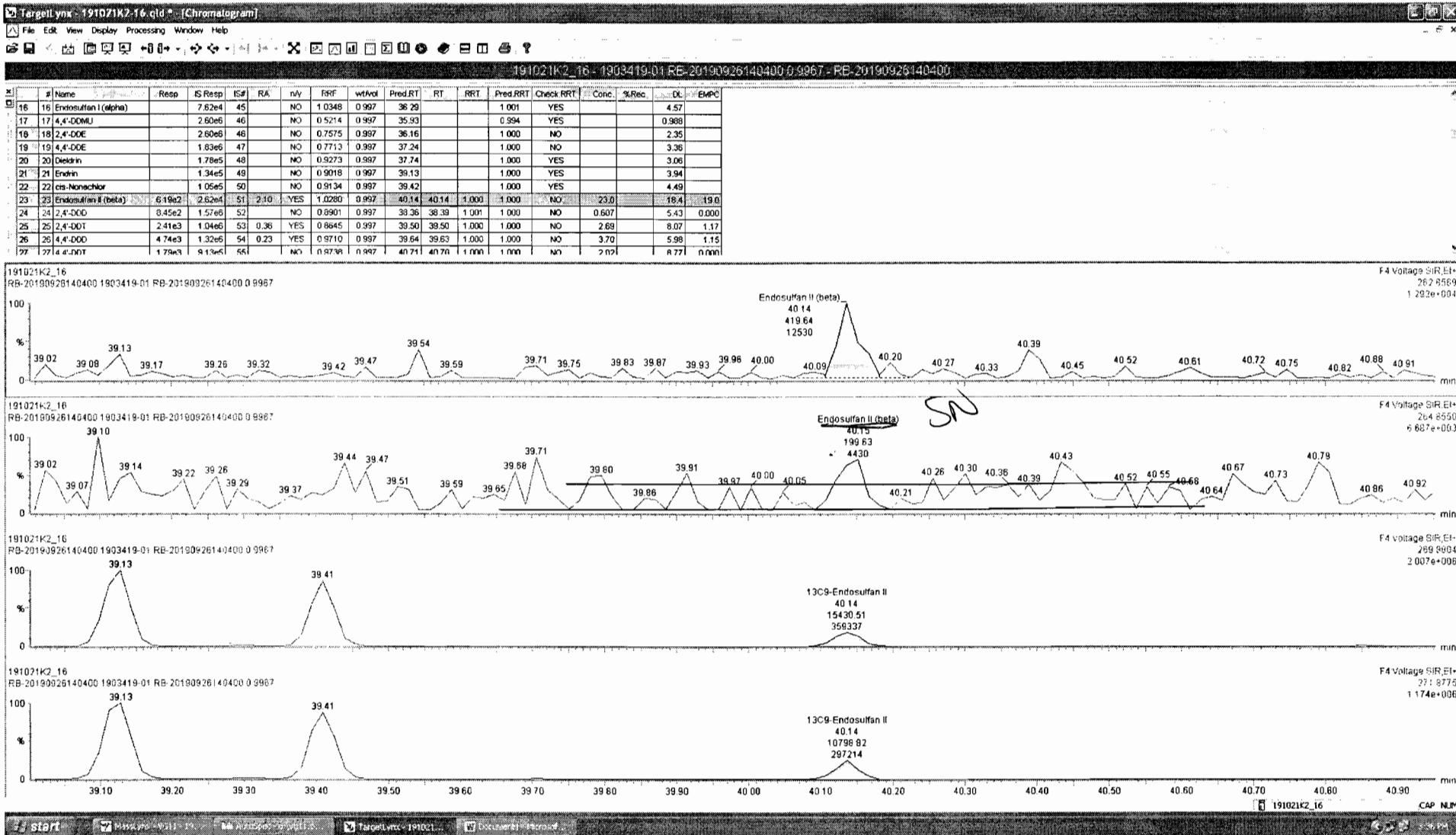
F4:Voltage SIR,EI+
269.8804
2.515e+006



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F4:Voltage SIR,EI+
271.8775
1.633e+006



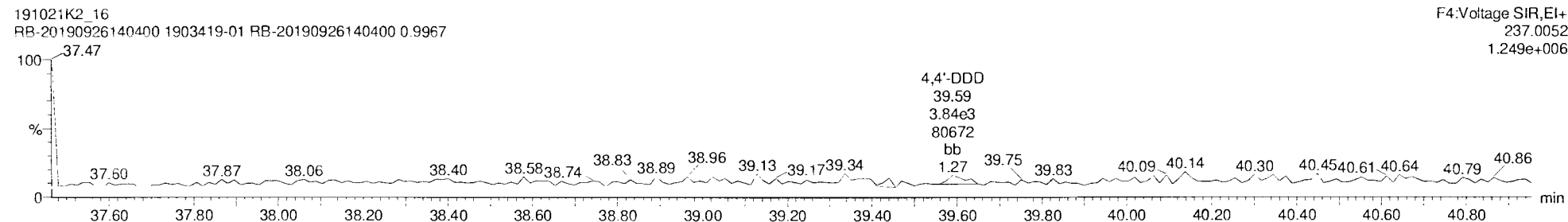
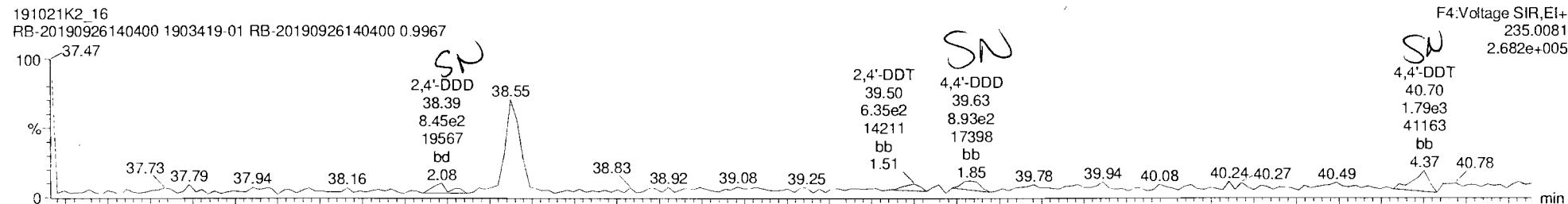


Dataset: Untitled

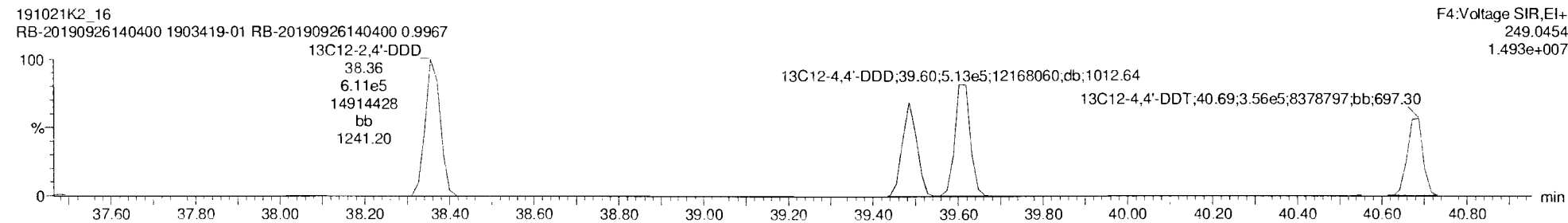
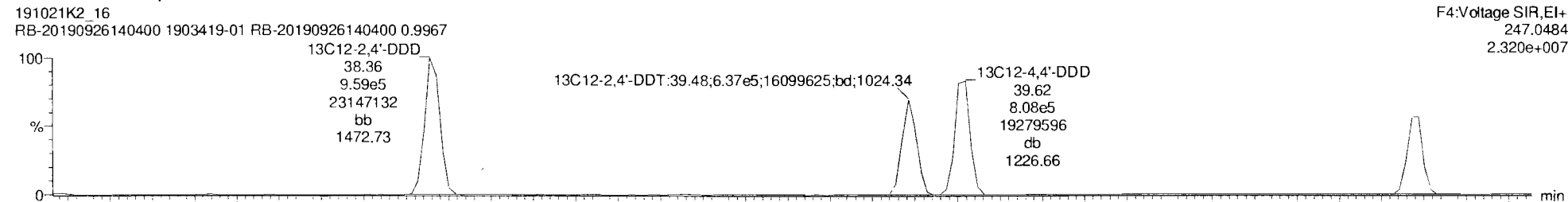
Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

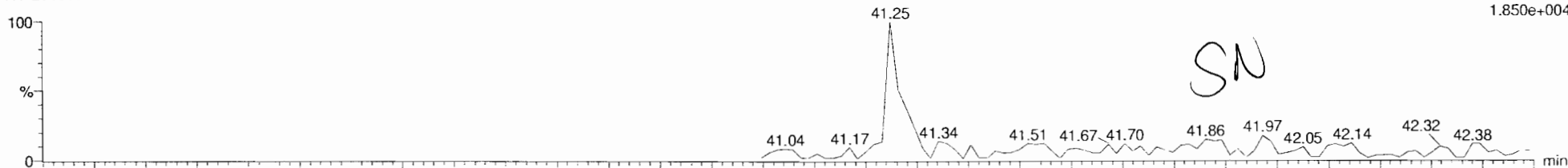
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

Endosulfan Sulfate

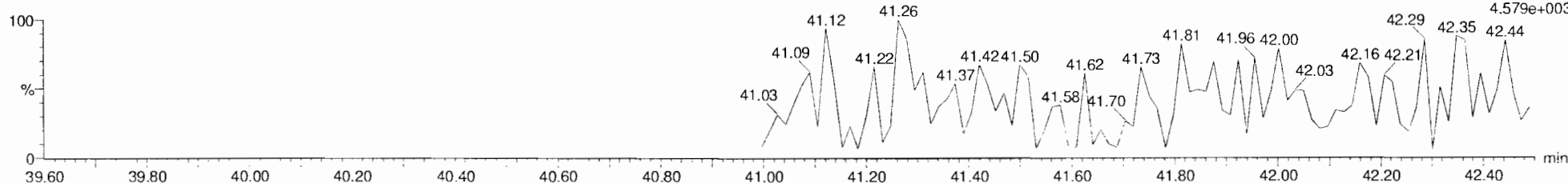
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
262.8569
1.850e+004



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

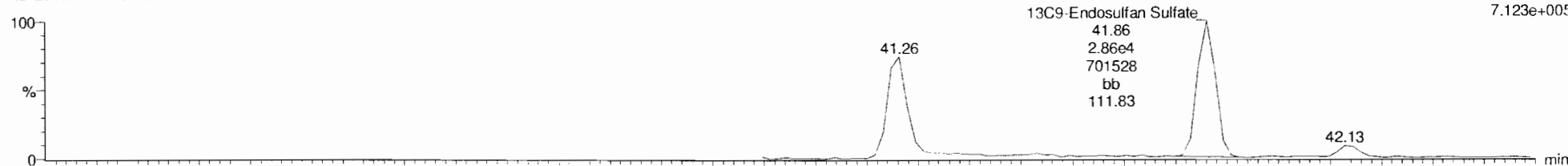
F5:Voltage SIR,EI+
264.8540
4.579e+003



13C9-Endosulfan Sulfate

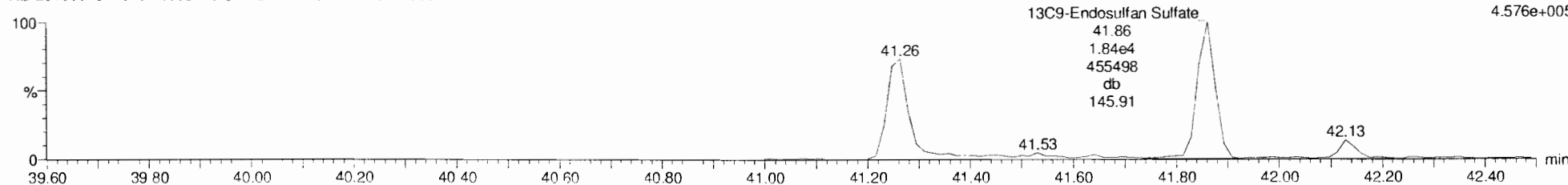
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
269.8804
7.123e+005



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
271.8775
4.576e+005



Dataset: Untitled

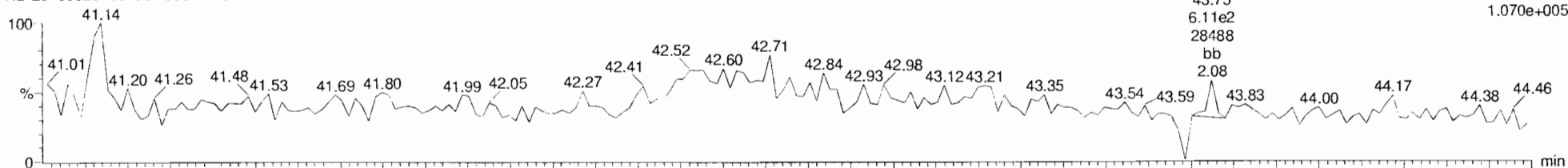
Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

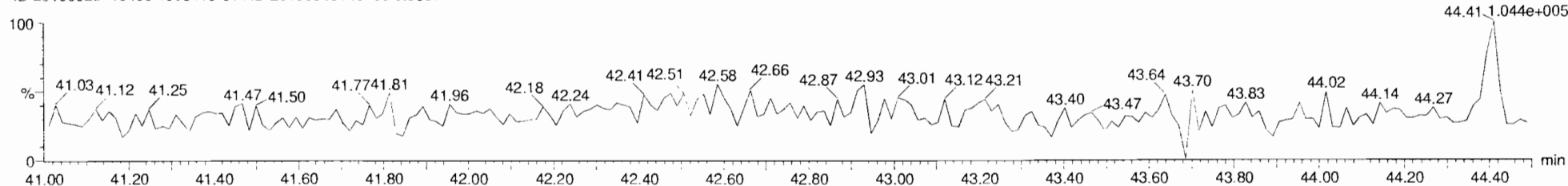
Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

4,4'-Methoxychlor

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

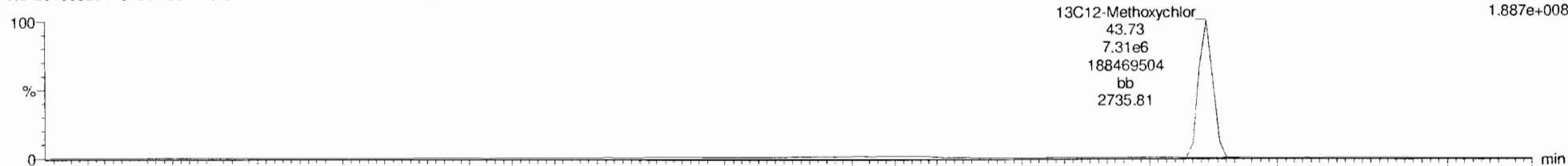


191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

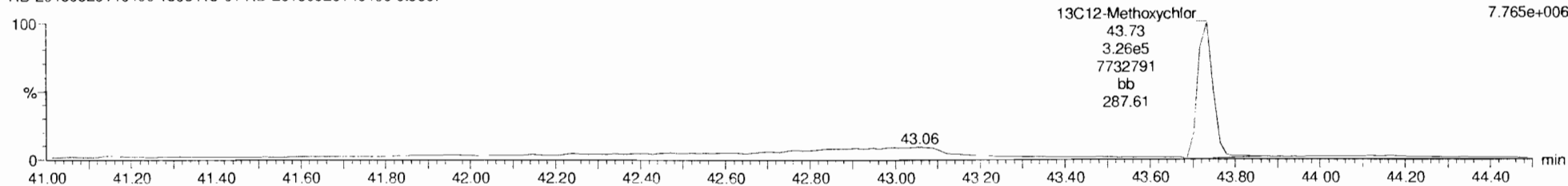


13C12-Methoxychlor

191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

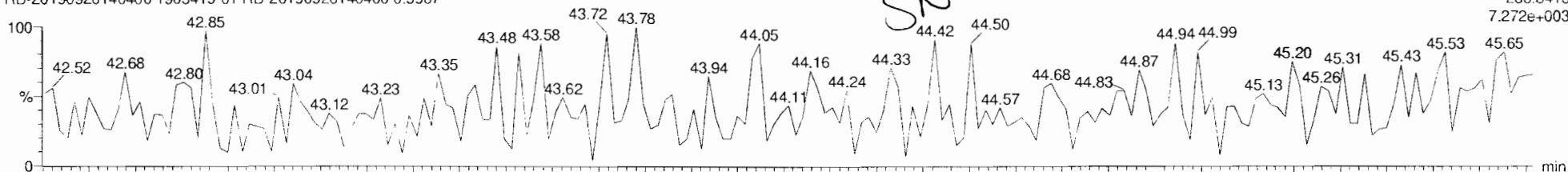
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

Mirex

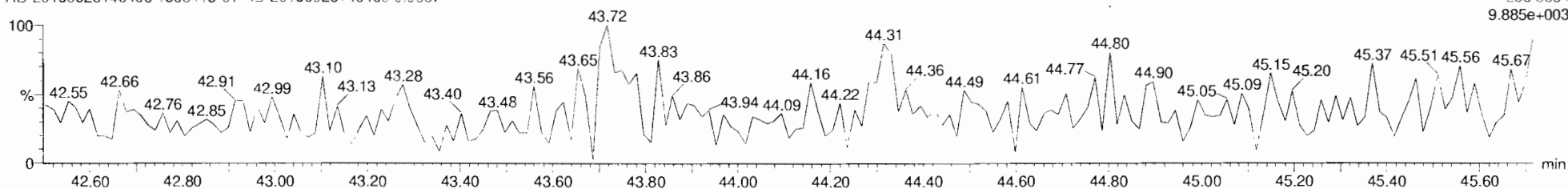
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
236.8413
7.272e+003



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

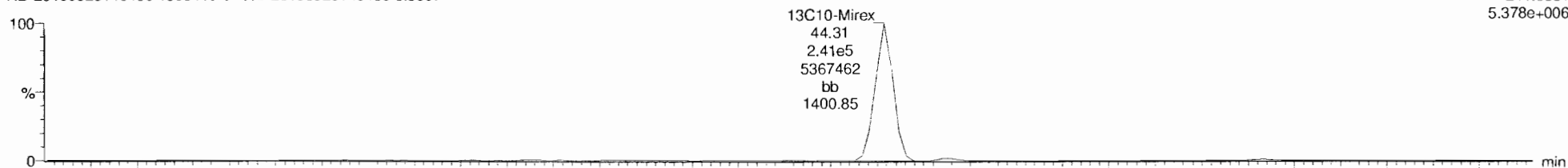
F5:Voltage SIR,EI+
238.8384
9.885e+003



13C10-Mirex

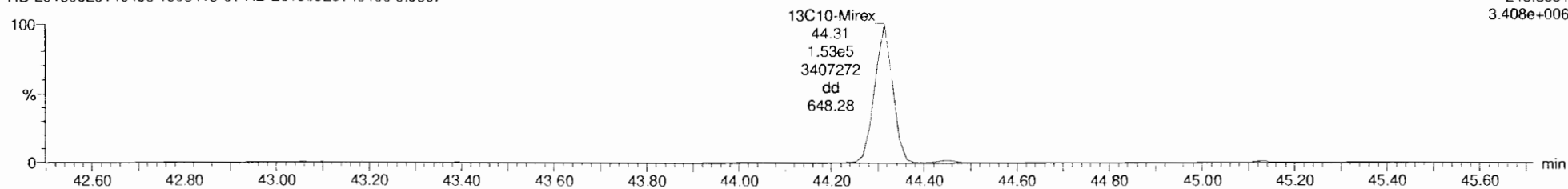
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
241.8581
5.378e+006



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
243.8551
3.408e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

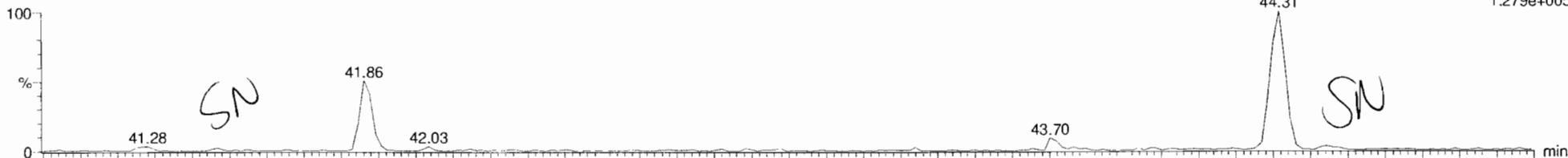
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

EA-EK

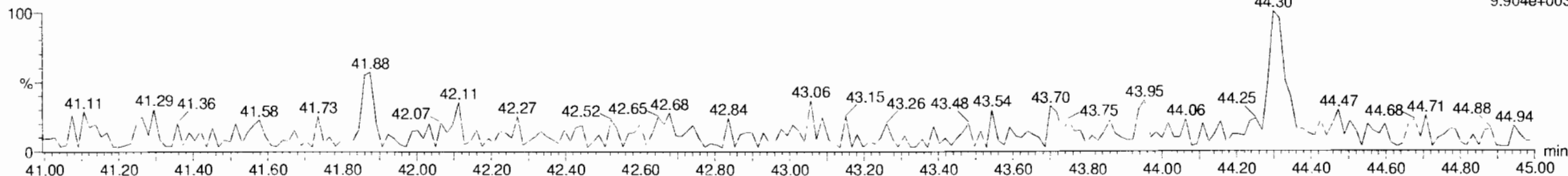
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
247.8521
1.279e+005



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

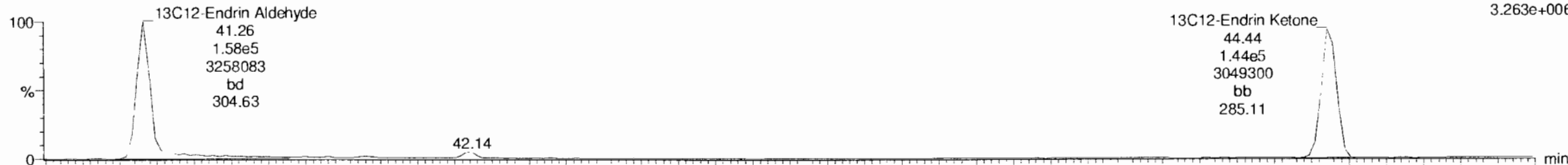
F5:Voltage SIR,EI+
249.8491
9.904e+003



EA-EK-isotopes

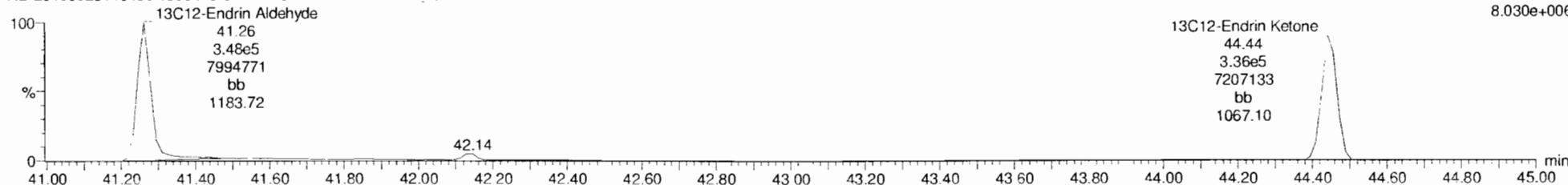
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
253.8722
3.263e+006



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F5:Voltage SIR,EI+
255.8693
8.030e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

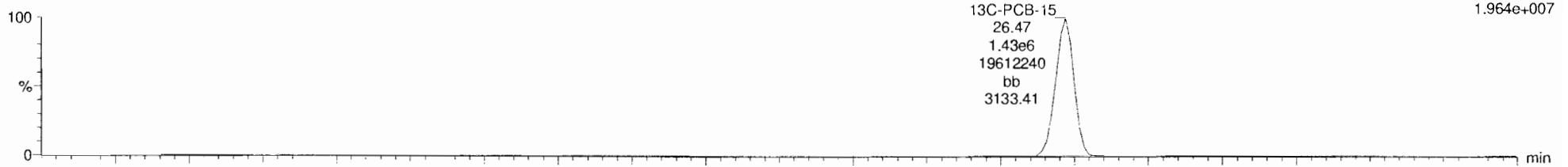
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

13C-PCB-15

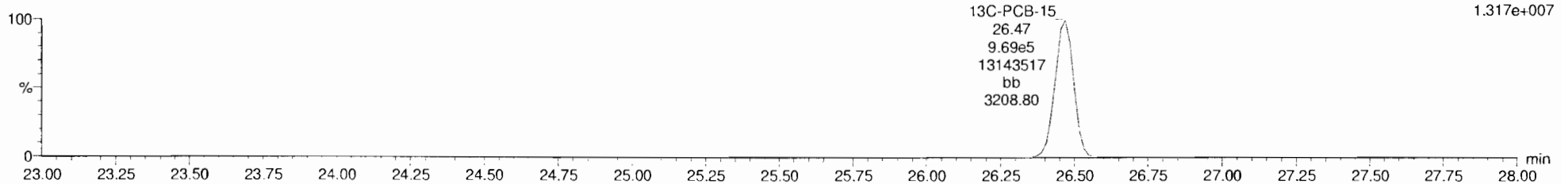
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F2:Voltage SIR,EI+
234.0406
1.964e+007



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

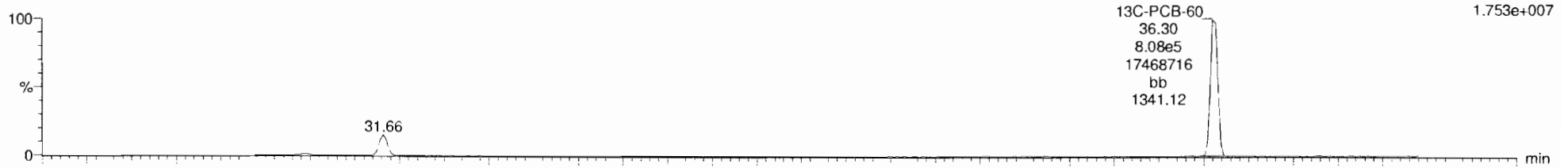
F2:Voltage SIR,EI+
236.0376
1.317e+007



13C-PCB-60

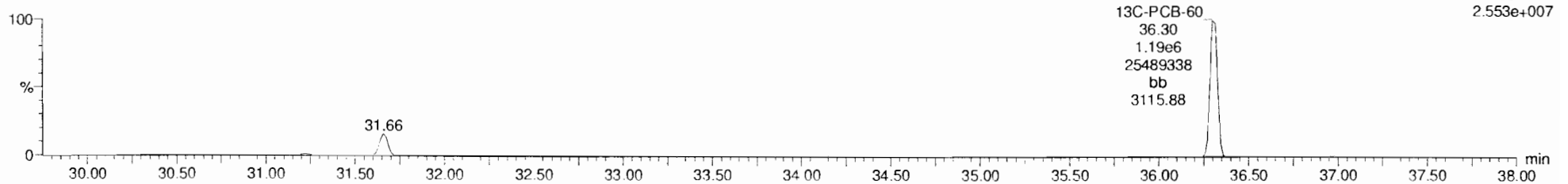
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F3:Voltage SIR,EI+
301.9626
1.753e+007



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F3:Voltage SIR,EI+
303.9597
2.553e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

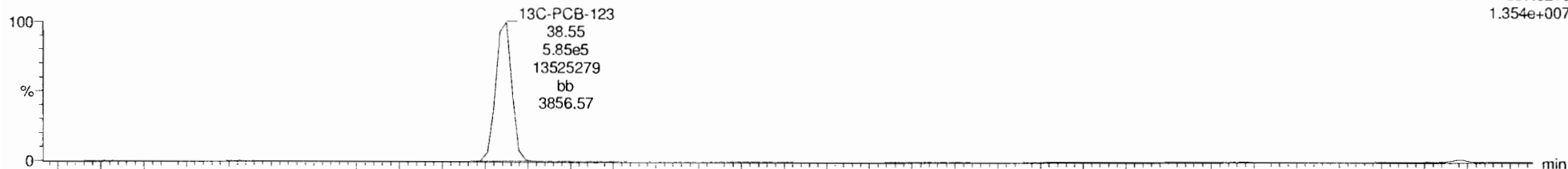
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

13C-PCB-123

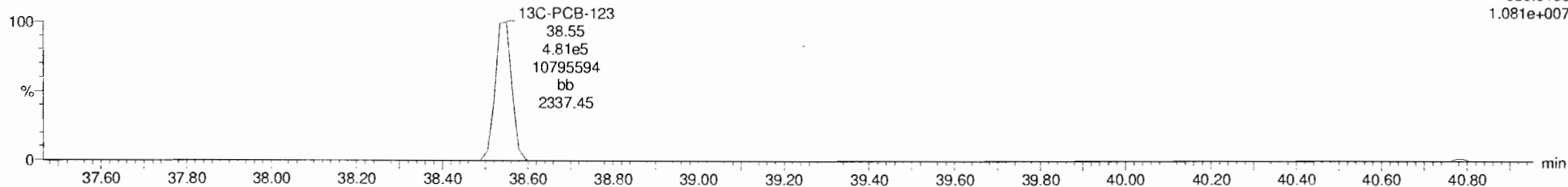
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F4:Voltage SIR,EI+
337.9210
1.354e+007



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

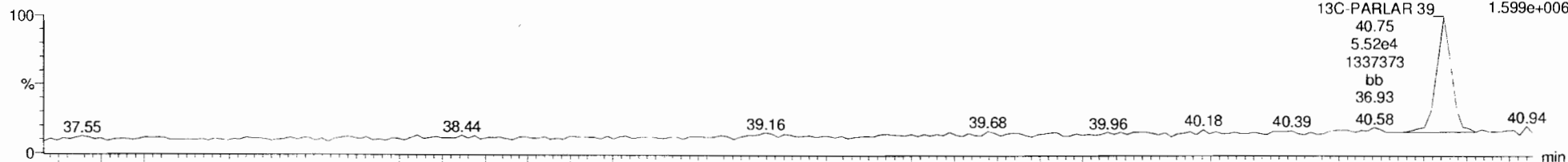
F4:Voltage SIR,EI+
339.9180
1.081e+007



13C-PARLAR 39

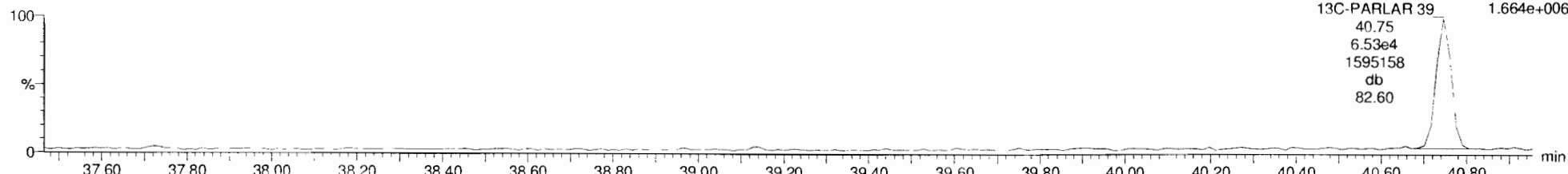
191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F4:Voltage SIR,EI+
251.9648
1.599e+006



191021K2_16
RB-20190926140400 1903419-01 RB-20190926140400 0.9967

F4:Voltage SIR,EI+
253.9619
1.664e+006



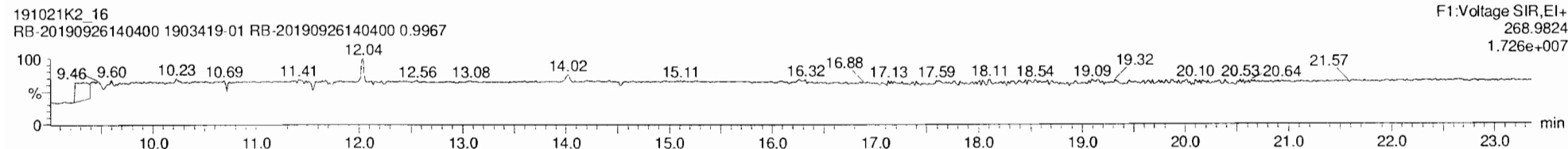
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:08:43 AM Pacific Daylight Time

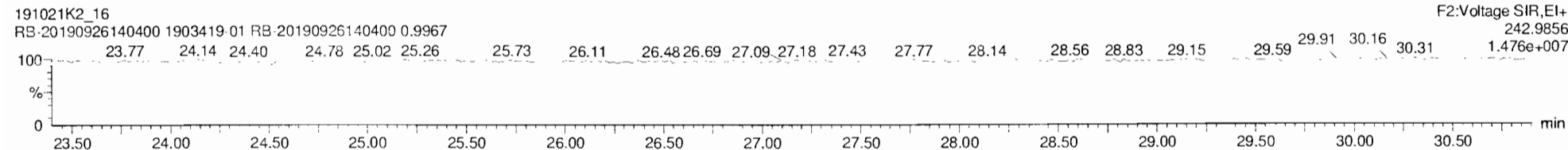
Printed: Tuesday, October 22, 2019 11:09:45 AM Pacific Daylight Time

Name: 191021K2_16, Date: 22-Oct-2019, Time: 01:25:40, ID: 1903419-01 RB-20190926140400 0.9967, Description: RB-20190926140400

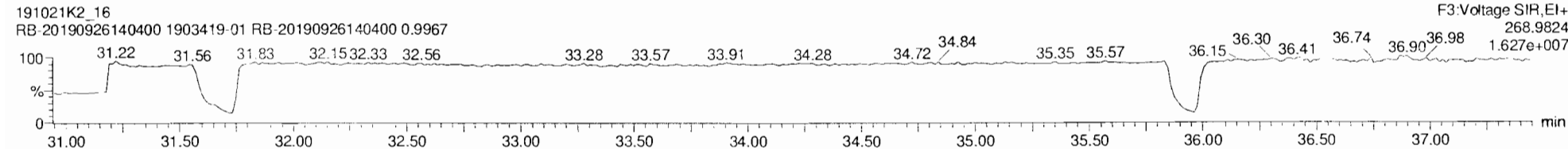
PFK1



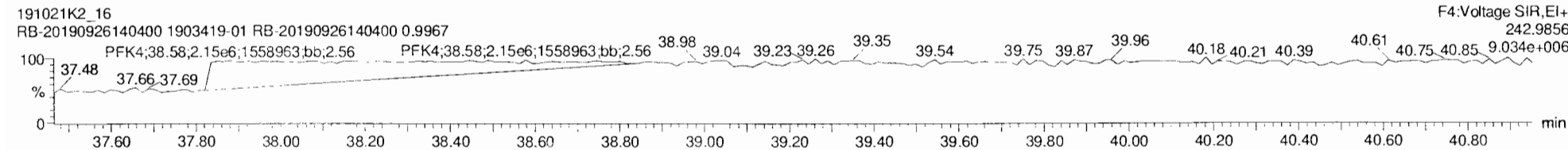
PFK2



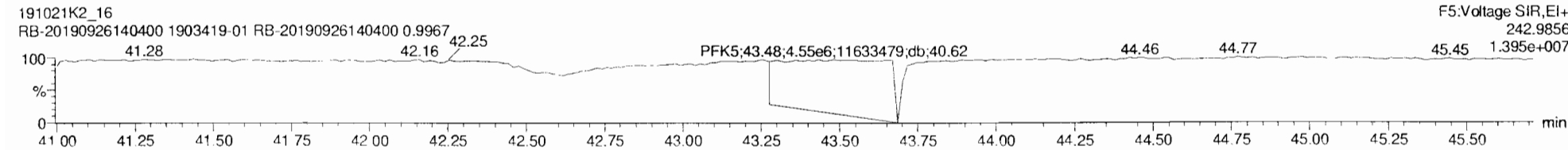
PFK3



PFK4



PFK5



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191028D1-1

Reviewed By: CT 10/29/19
Initials & Date

End Calibration ID: ST191028D1-2

| | <u>Beg.</u> | <u>End</u> | | <u>Beg.</u> | <u>End</u> |
|---|---------------------------------------|---------------------------------------|--|-------------------------------------|-------------------------------------|
| Ion abundance within QC limits? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Mass resolution \geq | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Concentrations within criteria? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> A | <input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280 | | |
| TCDD/TCDF Valleys <25% | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Intergrated peaks display correctly? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| First and last eluters present? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | GC Break <20% | <input type="checkbox"/> NA | |
| Retention Times within criteria? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>8280 CS1 End Standard:</u> | | |
| Verification Std. named correctly? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | - Ratios within limits, S/N <2.5:1, CS1 within 12 hours | <input type="checkbox"/> NA | |
| (ST-Year-Month-Day-VG ID) | | | | | |
| Forms signed and dated? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Comments: A: End std for tetras only | | |
| Correct ICAL referenced? | <u>DB</u> | <u>DB</u> | | | |
| <u>Run Log:</u> | | | | | |
| - Correct instrument listed? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| - Samples within 12 hour clock? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | | | |
| - Bottle position verified? | <u>DB</u> | | | | |

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

CCAL ID: ST191028D1-1

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191028D1 S#1 Analysis Date: 28-OCT-19 Time: 12:13:23

| NATIVE ANALYTES | M/Z'S | ION | QC | Pass | CONC. FOUND | CONC. RANGE (3) (ng/mL) |
|---------------------|----------------------|-----------------|---------------|------|----------------|-------------------------------|
| | FORMING RATIO (1) | ABUND. RATIO | LIMITS (2) | | | |
| 2,3,7,8-TCDD | M/M+2 | 0.86 | 0.65-0.89 | y | 11.6 | 7.8 - 12.9 8.2 - 12.3 (4) |
| 1,2,3,7,8-PeCDD | M/M+2 | 0.64 | 0.54-0.72 | y | 52.1 | 39.0 - 65.0 |
| 1,2,3,4,7,8-HxCDD | M+2/M+4 | 1.21 | 1.05-1.43 | y | 51.7 | 39.0 - 64.0 |
| 1,2,3,6,7,8-HxCDD | M+2/M+4 | 1.27 | 1.05-1.43 | y | 51.1 | 39.0 - 64.0 |
| 1,2,3,7,8,9-HxCDD | M+2/M+4 | 1.20 | 1.05-1.43 | y | 53.1 | 41.0 - 61.0 |
| 1,2,3,4,6,7,8-HpCDD | M+2/M+4 | 1.02 | 0.88-1.20 | y | 51.0 | 43.0 - 58.0 |
| OCDD | M+2/M+4 | 0.90 | 0.76-1.02 | y | 108 | 79.0 - 126.0 |
| 2,3,7,8-TCDF | M/M+2 | 0.78 | 0.65-0.89 | y | 9.93 | 8.4 - 12.0 8.6 - 11.6 (4) |
| 1,2,3,7,8-PeCDF | M+2/M+4 | 1.63 | 1.32-1.78 | y | 53.2 | 41.0 - 60.0 |
| 2,3,4,7,8-PeCDF | M+2/M+4 | 1.62 | 1.32-1.78 | y | 52.2 | 41.0 - 61.0 |
| 1,2,3,4,7,8-HxCDF | M+2/M+4 | 1.22 | 1.05-1.43 | y | 49.8 | 45.0 - 56.0 |
| 1,2,3,6,7,8-HxCDF | M+2/M+4 | 1.28 | 1.05-1.43 | y | 50.6 | 44.0 - 57.0 |
| 2,3,4,6,7,8-HxCDF | M+2/M+4 | 1.26 | 1.05-1.43 | y | 51.5 | 44.0 - 57.0 |
| 1,2,3,7,8,9-HxCDF | M+2/M+4 | 1.23 | 1.05-1.43 | y | 51.5 | 45.0 - 56.0 |
| 1,2,3,4,6,7,8-HpCDF | M+2/M+4 | 1.04 | 0.88-1.20 | y | 50.0 | 45.0 - 55.0 |
| 1,2,3,4,7,8,9-HpCDF | M+2/M+4 | 1.04 | 0.88-1.20 | y | 49.6 | 43.0 - 58.0 |
| OCDF | M+2/M+4 | 0.91 | 0.76-1.02 | y | 102 | 63.0 - 159.0 |

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) Contract-required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DB

Date: 10/28/19

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191028D1 S#1 Analysis Date: 28-OCT-19 Time: 12:13:23

| LABELED COMPOUNDS | M/Z'S FORMING RATIO (1) | ION ABUND. RATIO | QC LIMITS (2) | Pass | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|-------------------------|------------------|---------------|------|-------------|---------------------|
| 13C-2,3,7,8-TCDD | M/M+2 | 0.74 | 0.65-0.89 | y | 103 | 82.0 - 121.0 |
| 13C-1,2,3,7,8-PeCDD | M/M+2 | 0.64 | 0.54-0.72 | y | 106 | 62.0 - 160.0 |
| 13C-1,2,3,4,7,8-HxCDD | M+2/M+4 | 1.26 | 1.05-1.43 | y | 101 | 85.0 - 117.0 |
| 13C-1,2,3,6,7,8-HxCDD | M+2/M+4 | 1.28 | 1.05-1.43 | y | 92.2 | 85.0 - 118.0 |
| 13C-1,2,3,7,8,9-HxCDD | M+2/M+4 | 1.26 | 1.05-1.43 | y | 90.4 | 85.0 - 118.0 |
| 13C-1,2,3,4,6,7,8-HpCDD | M+2/M+4 | 1.05 | 0.88-1.20 | y | 99.2 | 72.0 - 138.0 |
| 13C-OCDD | M/M+2 | 0.91 | 0.76-1.02 | y | 187 | 96.0 - 415.0 |
| 13C-2,3,7,8-TCDF | M+2/M+4 | 0.79 | 0.65-0.89 | y | 103 | 71.0 - 140.0 |
| 13C-1,2,3,7,8-PeCDF | M+2/M+4 | 1.57 | 1.32-1.78 | y | 104 | 76.0 - 130.0 |
| 13C-2,3,4,7,8-PeCDF | M+2/M+4 | 1.59 | 1.32-1.78 | y | 104 | 77.0 - 130.0 |
| 13C-1,2,3,4,7,8-HxCDF | M/M+2 | 0.52 | 0.43-0.59 | y | 103 | 76.0 - 131.0 |
| 13C-1,2,3,6,7,8-HxCDF | M/M+2 | 0.51 | 0.43-0.59 | y | 102 | 70.0 - 143.0 |
| 13C-2,3,4,6,7,8-HxCDF | M/M+2 | 0.51 | 0.43-0.59 | y | 102 | 73.0 - 137.0 |
| 13C-1,2,3,7,8,9-HxCDF | M/M+2 | 0.52 | 0.43-0.59 | y | 100 | 74.0 - 135.0 |
| 13C-1,2,3,4,6,7,8-HpCDF | M+2/M+4 | 0.45 | 0.37-0.51 | y | 105 | 78.0 - 129.0 |
| 13C-1,2,3,4,7,8,9-HpCDF | M+2/M+4 | 0.45 | 0.37-0.51 | y | 107 | 77.0 - 129.0 |
| 13C-OCDF | M+2/M+4 | 0.89 | 0.76-1.02 | y | 210 | 96.0 - 415.0 |
| CLEANUP STANDARD (3) 37Cl-2,3,7,8-TCDD | | | | | 9.91 | 7.9 - 12.7 |

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified

(3) No ion abundance ratio; report concentration found.

Analyst: DB

Date: 10/28/19

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191028D1 S#1 Analysis Date: 28-OCT-19 Time: 12:13:23

Compounds Using 13C-1234-TCDD as RT Internal Standard

| NATIVE ANALYTES | RETENTION TIME | RRT | RRT |
|-----------------|---------------------|-------|---------------|
| | REFERENCE | | QC LIMITS (1) |
| 2,3,7,8-TCDD | 13C-2,3,7,8-TCDD | 1.001 | 0.999-1.002 |
| 1,2,3,7,8-PeCDD | 13C-1,2,3,7,8-PeCDD | 1.001 | 0.999-1.002 |
| 2,3,7,8-TCDF | 13C-2,3,7,8-TCDF | 1.001 | 0.999-1.003 |
| 1,2,3,7,8-PeCDF | 13C-1,2,3,7,8-PeCDF | 1.001 | 0.999-1.002 |
| 2,3,4,7,8-PeCDF | 13C-2,3,4,7,8-PeCDF | 1.001 | 0.999-1.002 |

LABELED COMPOUNDS

| | | | |
|---------------------|------------------|-------|-------------|
| 13C-2,3,7,8-TCDD | 13C-1,2,3,4-TCDD | 1.022 | 0.976-1.043 |
| 13C-1,2,3,7,8-PeCDD | 13C-1,2,3,4-TCDD | 1.197 | 1.000-1.567 |
| 13C-2,3,7,8-TCDF | 13C-1,2,3,4-TCDD | 0.991 | 0.923-1.103 |
| 13C-1,2,3,7,8-PeCDF | 13C-1,2,3,4-TCDD | 1.152 | 1.000-1.425 |
| 13C-2,3,4,7,8-PeCDF | 13C-1,2,3,4-TCDD | 1.186 | 1.011-1.526 |
| 37Cl-2,3,7,8-TCDD | 13C-1,2,3,4-TCDD | 1.022 | 0.989-1.052 |

Analyst: DB

Date: 10/28/19

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191028D1 S#1 Analysis Date: 28-OCT-19 Time: 12:13:23

| NATIVE ANALYTES | RETENTION TIME REFERENCE | RRT | RRT QC LIMITS (1) |
|---------------------|-----------------------------|-------|----------------------|
| 1,2,3,4,7,8-HxCDF | 13C-1,2,3,4,7,8-HxCDF | 1.000 | 0.999-1.001 |
| 1,2,3,6,7,8-HxCDF | 13C-1,2,3,6,7,8-HxCDF | 1.000 | 0.997-1.005 |
| 2,3,4,6,7,8-HxCDF | 13C-2,3,4,6,7,8-HxCDF | 1.001 | 0.999-1.001 |
| 1,2,3,7,8,9-HxCDF | 13C-1,2,3,7,8,9-HxCDF | 1.000 | 0.999-1.001 |
| 1,2,3,4,7,8-HxCDD | 13C-1,2,3,4,7,8-HxCDD | 1.001 | 0.999-1.001 |
| 1,2,3,6,7,8-HxCDD | 13C-1,2,3,6,7,8-HxCDD | 1.000 | 0.998-1.004 |
| 1,2,3,7,8,9-HxCDD | 13C-1,2,3,7,8,9-HxCDD | 1.001 | 0.998-1.004 |
| 1,2,3,4,6,7,8-HpCDF | 13C-1,2,3,4,6,7,8-HpCDF | 1.000 | 0.999-1.001 |
| 1,2,3,4,6,7,8-HpCDD | 13C-1,2,3,4,6,7,8-HpCDD | 1.000 | 0.999-1.001 |
| 1,2,3,4,7,8,9-HpCDF | 13C-1,2,3,4,7,8,9-HpCDF | 1.000 | 0.999-1.001 |
| OCDD | 13C-OCDD | 1.000 | 0.999-1.001 |
| OCDF | 13C-OCDF | 1.000 | 0.999-1.001 |

LABELED COMPOUNDS

| | | | |
|-------------------------|-----------------------|-------|-------------|
| 13C-1,2,3,4,7,8-HxCDF | 13C-1,2,3,4,6,9-HxCDF | 0.988 | 0.975-1.001 |
| 13C-1,2,3,6,7,8-HxCDF | 13C-1,2,3,4,6,9-HxCDF | 0.991 | 0.979-1.005 |
| 13C-2,3,4,6,7,8-HxCDF | 13C-1,2,3,4,6,9-HxCDF | 1.009 | 1.001-1.020 |
| 13C-1,2,3,7,8,9-HxCDF | 13C-1,2,3,4,6,9-HxCDF | 1.038 | 1.002-1.072 |
| 13C-1,2,3,4,7,8-HxCDD | 13C-1,2,3,4,6,9-HxCDF | 1.014 | 1.002-1.026 |
| 13C-1,2,3,6,7,8-HxCDD | 13C-1,2,3,4,6,9-HxCDF | 1.018 | 1.007-1.029 |
| 13C-1,2,3,7,8,9-HxCDD | 13C-1,2,3,4,6,9-HxCDF | 1.026 | 1.014-1.038 |
| 13C-1,2,3,4,6,7,8-HpCDF | 13C-1,2,3,4,6,9-HxCDF | 1.093 | 1.069-1.111 |
| 13C-1,2,3,4,7,8,9-HpCDF | 13C-1,2,3,4,6,9-HxCDF | 1.146 | 1.098-1.192 |
| 13C-1,2,3,4,6,7,8-HpCDD | 13C-1,2,3,4,6,9-HxCDF | 1.130 | 1.117-1.141 |
| 13C-OCDD | 13C-1,2,3,4,6,9-HxCDF | 1.229 | 1.085-1.365 |
| 13C-OCDF | 13C-1,2,3,4,6,9-HxCDF | 1.236 | 1.091-1.371 |

Analyst: DB

Date: 10/28/19

FORM 5

PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Instrument ID: VG-7 Initial Calibration Date: 10-9-19

RT Window Data Filename: 191028D1 S#1 Analysis Date: 28-OCT-19 Time: 12:13:23

ZB-5MS IS Data Filename: 191028D1 S#1 Analysis Date: 28-OCT-19 Time: 12:13:23

DB_225 IS Data Filename: Analysis Date: Time:

ZB-5MS RT WINDOW DEFINING STANDARDS RESULTS

| ISOMERS | ABSOLUTE RT | ISOMERS | ABSOLUTE RT |
|-------------------------|----------------|-------------------------|----------------|
| 1,3,6,8-TCDD (F) | 22:51 | 1,3,6,8-TCDF (F) | 20:43 |
| 1,2,8,9-TCDD (L) | 27:05 | 1,2,8,9-TCDF (L) | 27:14 |
| 1,2,4,7,9-PeCDD (F) | 28:42 | 1,3,4,6,8-PeCDF (F) | 27:12 |
| 1,2,3,8,9-PeCDD (L) | 31:06 | 1,2,3,8,9-PeCDF (L) | 31:20 |
| 1,2,4,6,7,9-HxCDD (F) | 32:32 | 1,2,3,4,6,8-HxCDF (F) | 31:59 |
| 1,2,3,7,8,9-HxCDD (L) | 34:29 | 1,2,3,7,8,9-HxCDF (L) | 34:51 |
| 1,2,3,4,6,7,9-HpCDD (F) | 37:06 | 1,2,3,4,6,7,8-HpCDF (F) | 36:43 |
| 1,2,3,4,6,7,8-HpCDD (L) | 37:57 | 1,2,3,4,7,8,9-HpCDF (L) | 38:30 |

(F) = First eluting isomer (ZB-5MS); (L) = Last eluting isomer (ZB-5MS).

=====

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

% VALLEY HEIGHT
BETWEEN
COMPARED PEAKS (1)

<25%

(1) To meet contract requirements, %Valley Height Between Compared
Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

Analyst: DBDate: 10/28/19

Client ID: 1612 CS3 19C2204
Lab ID: ST191028D1-1

Filename: 191028D1 S:1 Acq:28-OCT-19 12:13:23
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

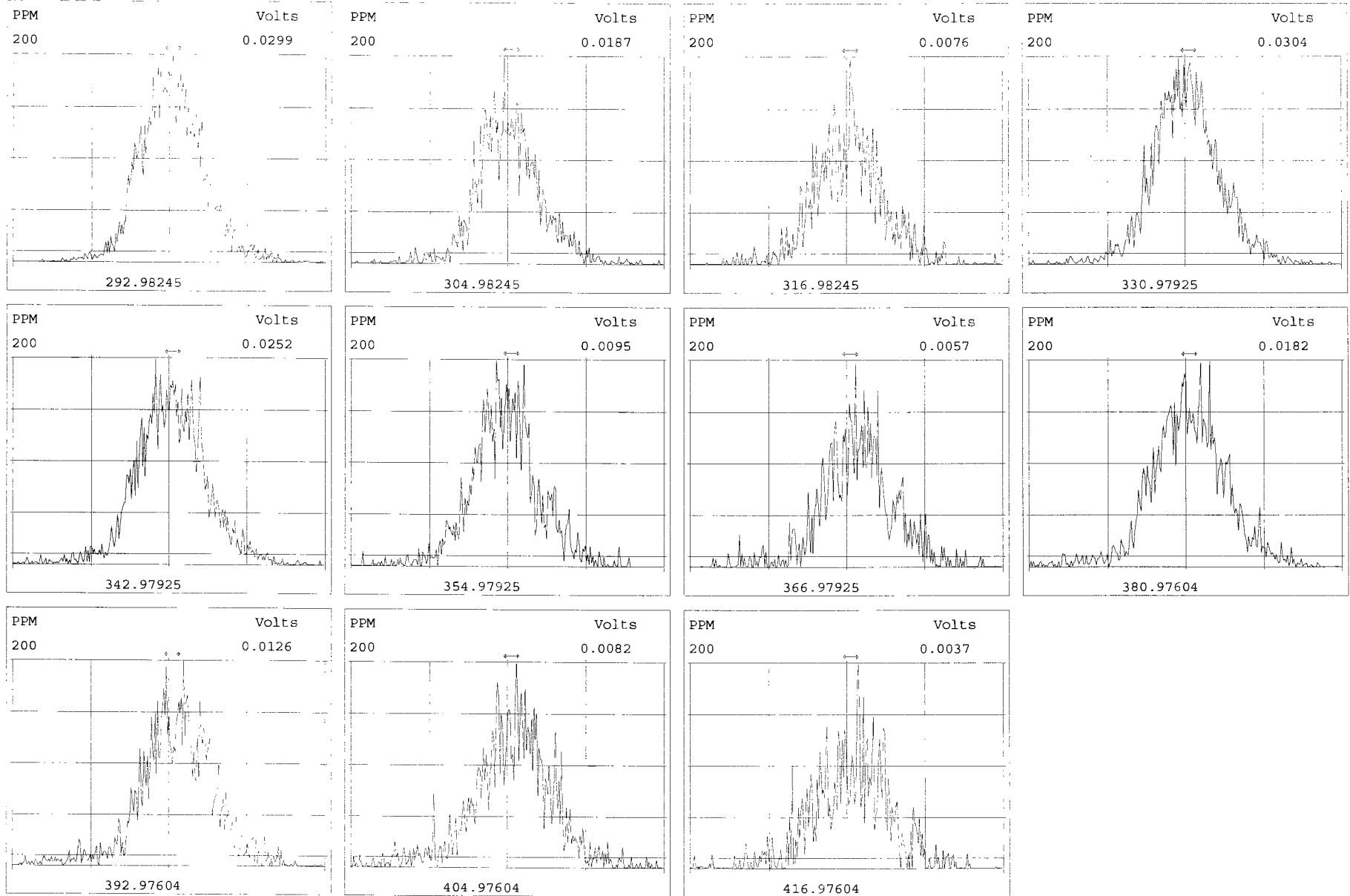
ConCal: ST191028D1-1
EndCAL: ST191028D1-2

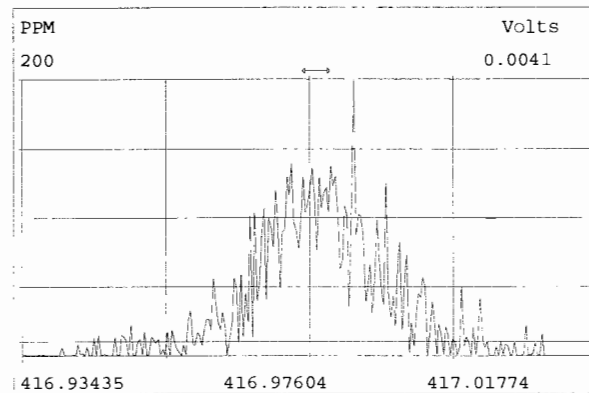
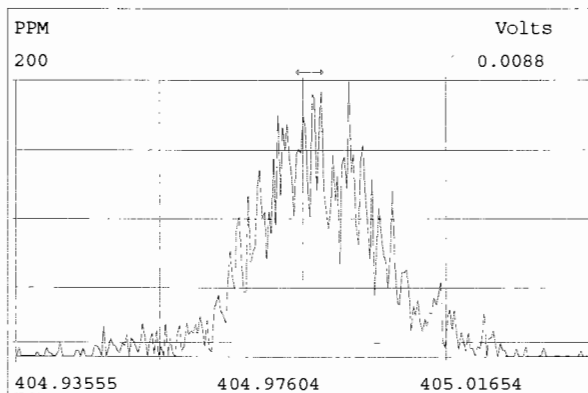
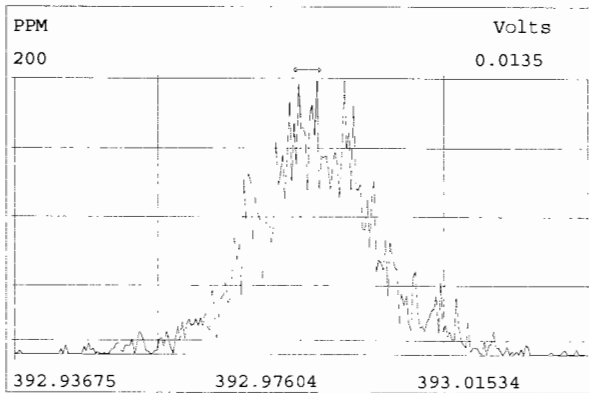
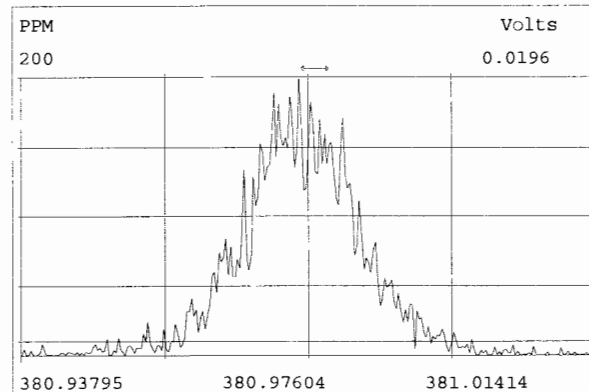
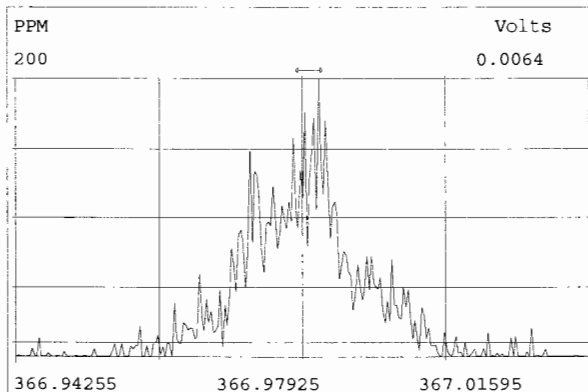
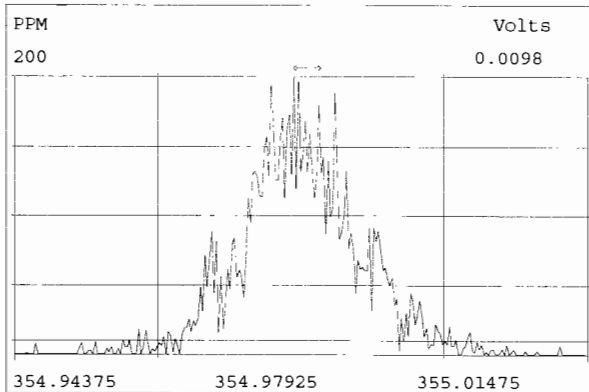
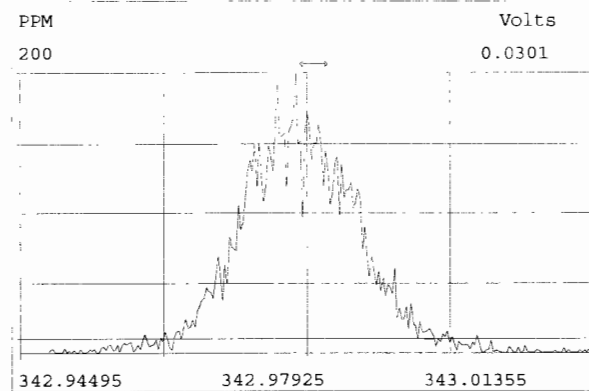
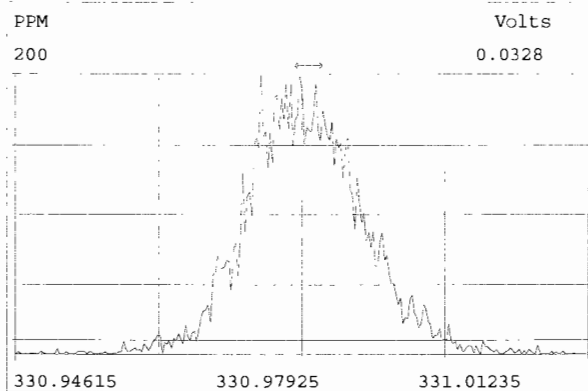
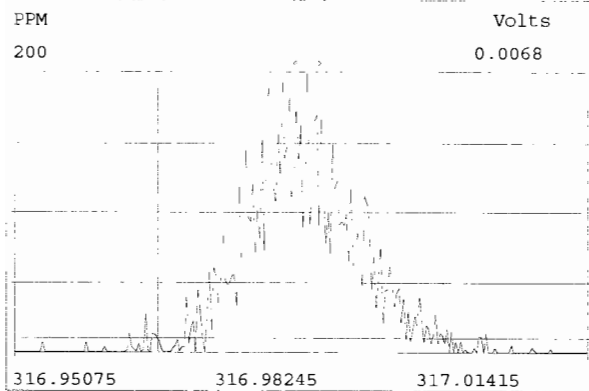
| Name | Resp | RA | RRF | RT | Conc | Qual | noise | Fac | DL | Name | Conc | EMPC | Qual | noise | DL |
|-----------------------------|----------|--------|------|-------|--------|------|-------|-----|----|---------------------|--------------|-------------|------|-------|----|
| 2,3,7,8-TCDD | 7.48e+05 | 0.86 y | 0.91 | 26:14 | 11.616 | | * 2.5 | | * | Total Tetra-Dioxins | 80.8 | 81.6 | | * | * |
| 1,2,3,7,8-PeCDD | 2.79e+06 | 0.64 y | 0.90 | 30:45 | 52.144 | | * 2.5 | | * | Total Penta-Dioxins | 193 | 193 | | * | * |
| 1,2,3,4,7,8-HxCDD | 3.04e+06 | 1.21 y | 1.10 | 34:04 | 51.720 | | * 2.5 | | * | Total Hexa-Dioxins | 230 | 232 | | * | * |
| 1,2,3,6,7,8-HxCDD | 3.12e+06 | 1.27 y | 0.94 | 34:11 | 51.116 | | * 2.5 | | * | Total Hepta-Dioxins | 120 | 122 | | * | * |
| 1,2,3,7,8,9-HxCDD | 3.08e+06 | 1.20 y | 0.96 | 34:29 | 53.137 | | * 2.5 | | * | Total Tetra-Furans | 38.4 | 39.1 | | * | * |
| 1,2,3,4,6,7,8-HpCDD | 2.68e+06 | 1.02 y | 0.98 | 37:57 | 51.050 | | * 2.5 | | * | Total Penta-Furans | 226.83 | 227.24 | | * | * |
| OCDD | 4.62e+06 | 0.90 y | 0.96 | 41:17 | 107.59 | | * 2.5 | | * | Total Hexa-Furans | 270 | 271 | | * | * |
| | | | | | | | | | | Total Hepta-Furans | 100 | 102 | | * | * |
| 2,3,7,8-TCDF | 1.04e+06 | 0.78 y | 0.95 | 25:27 | 9.9321 | | * 2.5 | | * | | | | | | |
| 1,2,3,7,8-PeCDF | 4.71e+06 | 1.63 y | 0.96 | 29:34 | 53.232 | | * 2.5 | | * | | | | | | |
| 2,3,4,7,8-PeCDF | 4.85e+06 | 1.62 y | 1.01 | 30:28 | 52.205 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,7,8-HxCDF | 4.14e+06 | 1.22 y | 1.18 | 33:10 | 49.840 | | * 2.5 | | * | | | | | | |
| 1,2,3,6,7,8-HxCDF | 4.72e+06 | 1.28 y | 1.07 | 33:18 | 50.593 | | * 2.5 | | * | | | | | | |
| 2,3,4,6,7,8-HxCDF | 4.60e+06 | 1.26 y | 1.11 | 33:54 | 51.543 | | * 2.5 | | * | | | | | | |
| 1,2,3,7,8,9-HxCDF | 3.74e+06 | 1.23 y | 1.06 | 34:51 | 51.502 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | 3.69e+06 | 1.04 y | 1.13 | 36:43 | 49.970 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,7,8,9-HpCDF | 3.27e+06 | 1.04 y | 1.28 | 38:30 | 49.625 | | * 2.5 | | * | | | | | | |
| OCDF | 5.75e+06 | 0.91 y | 0.95 | 41:30 | 101.81 | | * 2.5 | | * | | | | | | |
| | | | | | | | | | | Rec | Qual | | | | |
| IS 13C-2,3,7,8-TCDD | 7.11e+06 | 0.74 y | 1.10 | 26:13 | 102.90 | | | | | 103 | | | | | |
| IS 13C-1,2,3,7,8-PeCDD | 5.92e+06 | 0.64 y | 0.88 | 30:43 | 106.43 | | | | | 106 | | | | | |
| IS 13C-1,2,3,4,7,8-HxCDD | 5.33e+06 | 1.26 y | 0.64 | 34:03 | 100.58 | | | | | 101 | | | | | |
| IS 13C-1,2,3,6,7,8-HxCDD | 6.51e+06 | 1.28 y | 0.86 | 34:10 | 92.170 | | | | | 92.2 | | | | | |
| IS 13C-1,2,3,7,8,9-HxCDD | 6.02e+06 | 1.26 y | 0.81 | 34:28 | 90.378 | | | | | 90.4 | | | | | |
| IS 13C-1,2,3,4,6,7,8-HpCDD | 5.36e+06 | 1.05 y | 0.65 | 37:57 | 99.232 | | | | | 99.2 | | | | | |
| IS 13C-OCDD | 8.97e+06 | 0.91 y | 0.58 | 41:17 | 187.30 | | | | | 93.7 | | | | | |
| IS 13C-2,3,7,8-TCDF | 1.11e+07 | 0.79 y | 1.03 | 25:26 | 103.48 | | | | | 103 | | | | | |
| IS 13C-1,2,3,7,8-PeCDF | 9.22e+06 | 1.57 y | 0.85 | 29:33 | 104.42 | | | | | 104 | | | | | |
| IS 13C-2,3,4,7,8-PeCDF | 9.15e+06 | 1.59 y | 0.85 | 30:26 | 104.50 | | | | | 104 | | | | | |
| IS 13C-1,2,3,4,7,8-HxCDF | 7.06e+06 | 0.52 y | 0.83 | 33:10 | 102.80 | | | | | 103 | | | | | |
| IS 13C-1,2,3,6,7,8-HxCDF | 8.73e+06 | 0.51 y | 1.03 | 33:17 | 102.17 | | | | | 102 | | | | | |
| IS 13C-2,3,4,6,7,8-HxCDF | 8.01e+06 | 0.51 y | 0.95 | 33:53 | 101.69 | | | | | 102 | | | | | |
| IS 13C-1,2,3,7,8,9-HxCDF | 6.85e+06 | 0.52 y | 0.83 | 34:51 | 100.17 | | | | | 100 | | | | | |
| IS 13C-1,2,3,4,6,7,8-HpCDF | 6.56e+06 | 0.45 y | 0.76 | 36:42 | 104.83 | | | | | 105 | | | | | |
| IS 13C-1,2,3,4,7,8,9-HpCDF | 5.14e+06 | 0.45 y | 0.58 | 38:29 | 107.11 | | | | | 107 | | | | | |
| IS 13C-OCDF | 1.19e+07 | 0.89 y | 0.69 | 41:29 | 209.70 | | | | | 105 | | | | | |
| C/Up 37C1-2,3,7,8-TCDD | 7.49e+05 | | 1.20 | 26:14 | 9.9091 | | | | | 99.1 | | | | | |
| RS/RT 13C-1,2,3,4-TCDD | 6.31e+06 | 0.77 y | 1.00 | 25:39 | 100.00 | | | | | | Integrations | Reviewed | | | |
| RS 13C-1,2,3,4-TCDF | 1.03e+07 | 0.80 y | 1.00 | 24:14 | 100.00 | | | | | | by DB | by CT | | | |
| RS/RT 13C-1,2,3,4,6,9-HxCDF | 8.26e+06 | 0.50 y | 1.00 | 33:35 | 100.00 | | | | | | Analyst: DB | Analyst: CT | | | |

Date: 10/28/19 Date: 10/29/19

Vista Analytical Laboratory - Injection Log Run file: 191028D1 Instrument ID: VG-7 GC Column ID: ZB-5MS

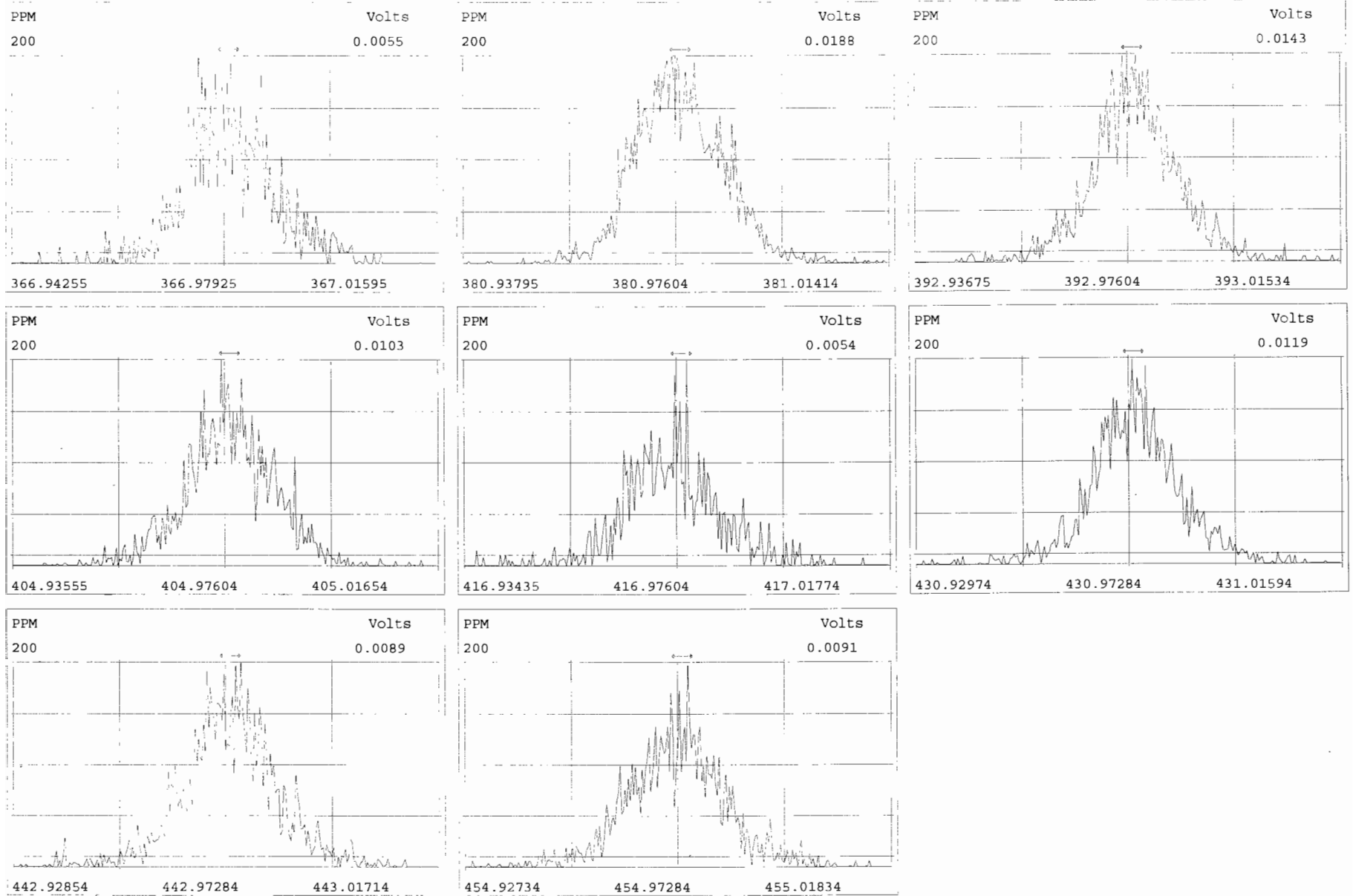
| Data file | S# | Sample ID | Analyst | Acq date | Acq time | CCal | ECal |
|-----------|----|---------------|---------|-----------|----------|--------------|--------------|
| 191028D1 | 1 | ST191028D1-1 | DB | 28-OCT-19 | 12:13:23 | ST191028D1-1 | ST191028D1-2 |
| 191028D1 | 2 | B9J0132-BS1 | DB | 28-OCT-19 | 13:01:23 | ST191028D1-1 | NA |
| 191028D1 | 3 | B9J0264-BS1 | DB | 28-OCT-19 | 13:49:19 | ST191028D1-1 | NA |
| 191028D1 | 4 | B9J0251-BS1 | DB | 28-OCT-19 | 14:37:14 | ST191028D1-1 | ST191028D1-2 |
| 191028D1 | 5 | SOLVENT BLANK | DB | 28-OCT-19 | 15:25:10 | ST191028D1-1 | NA |
| 191028D1 | 6 | B9J0264-BLK1 | DB | 28-OCT-19 | 16:13:05 | ST191028D1-1 | NA |
| 191028D1 | 7 | B9J0251-BLK1 | DB | 28-OCT-19 | 17:01:01 | ST191028D1-1 | ST191028D1-2 |
| 191028D1 | 8 | 1903568-01 | DB | 28-OCT-19 | 17:48:56 | ST191028D1-1 | ST191028D1-2 |
| 191028D1 | 9 | 1903655-04 | DB | 28-OCT-19 | 18:36:41 | ST191028D1-1 | NA |
| 191028D1 | 10 | 1903655-05 | DB | 28-OCT-19 | 19:24:29 | ST191028D1-1 | NA |
| 191028D1 | 11 | 1903419-01REL | DB | 28-OCT-19 | 20:12:13 | ST191028D1-1 | NA |
| 191028D1 | 12 | 1903772-01 | DB | 28-OCT-19 | 20:59:58 | ST191028D1-1 | NA |
| 191028D1 | 13 | 1903772-02 | DB | 28-OCT-19 | 21:47:42 | ST191028D1-1 | NA |
| 191028D1 | 14 | 1903569-01 | DB | 28-OCT-19 | 22:35:31 | ST191028D1-1 | NA |
| 191028D1 | 15 | 1903569-02 | DB | 28-OCT-19 | 23:23:16 | ST191028D1-1 | NA |
| 191028D1 | 16 | SOLVENT BLANK | DB | 29-OCT-19 | 00:11:01 | ST191028D1-1 | NA |
| 191028D1 | 17 | ST191028D1-2 | DB | 29-OCT-19 | 00:58:46 | ST191028D1-1 | ST191028D1-2 |





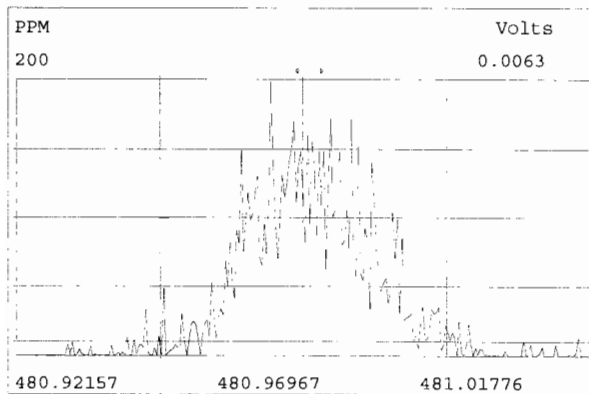
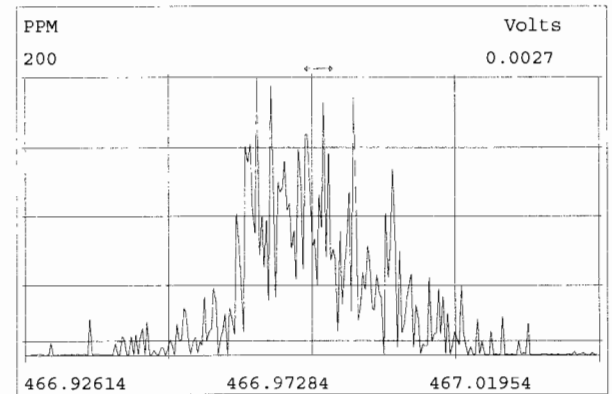
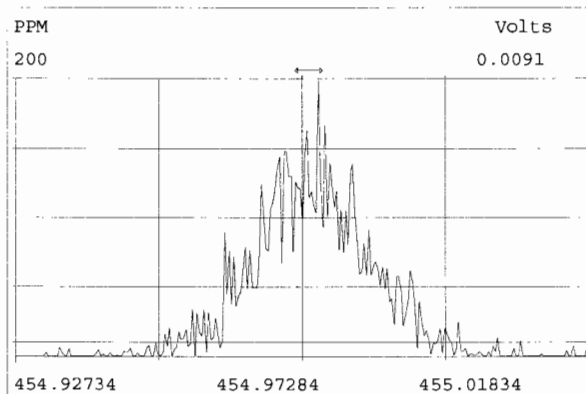
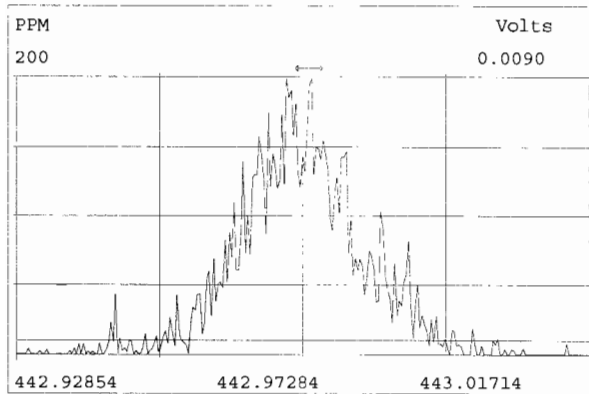
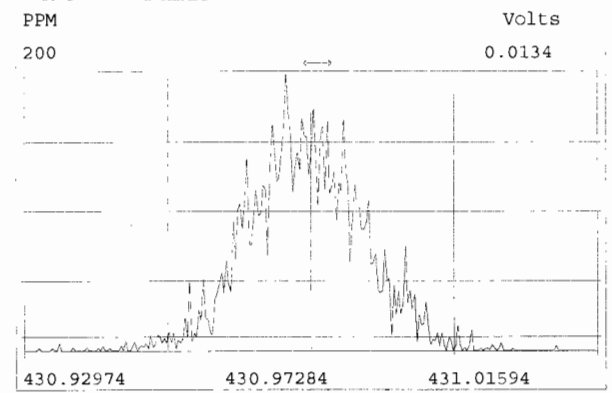
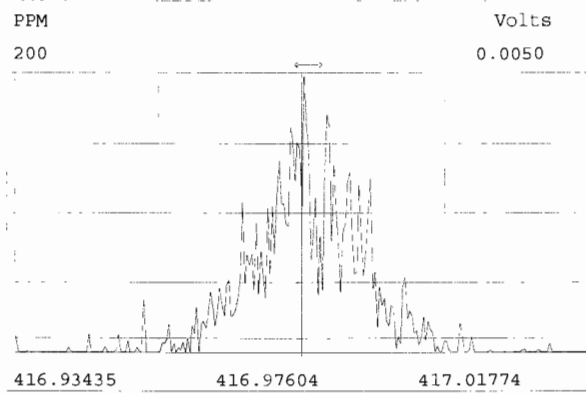
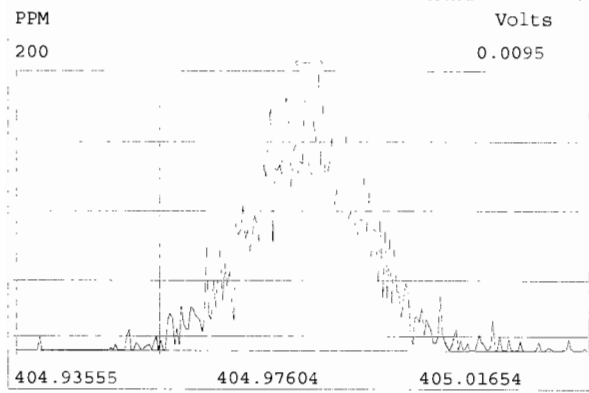
Peak Locate Examination:28-OCT-2019:12:11 File:191028D1

Experiment:OCDD_DB5 Function:3 Reference:PFK



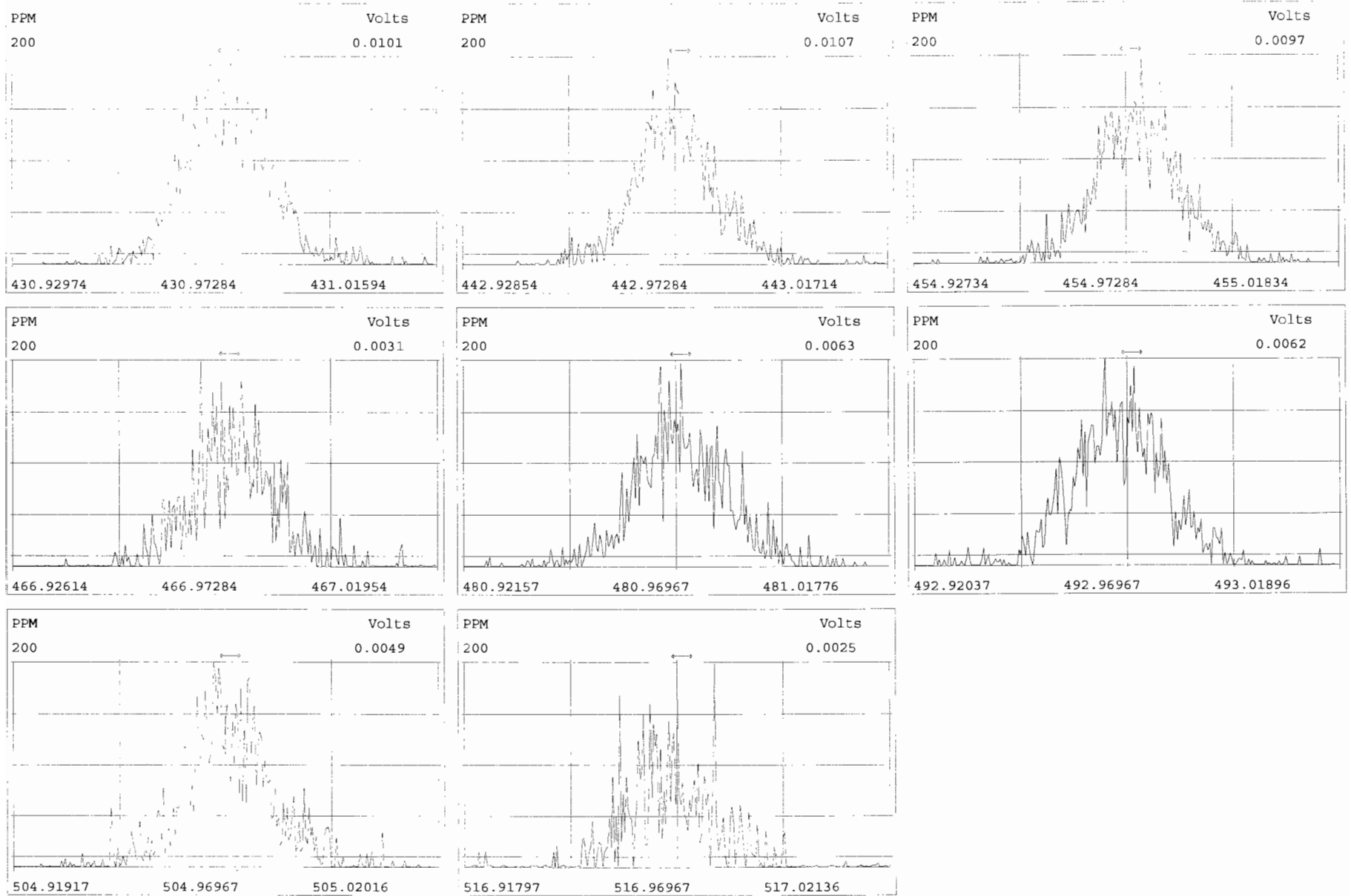
Peak Locate Examination:28-OCT-2019:12:11 File:191028D1

Experiment:OCDD_DB5 Function:4 Reference:PFK

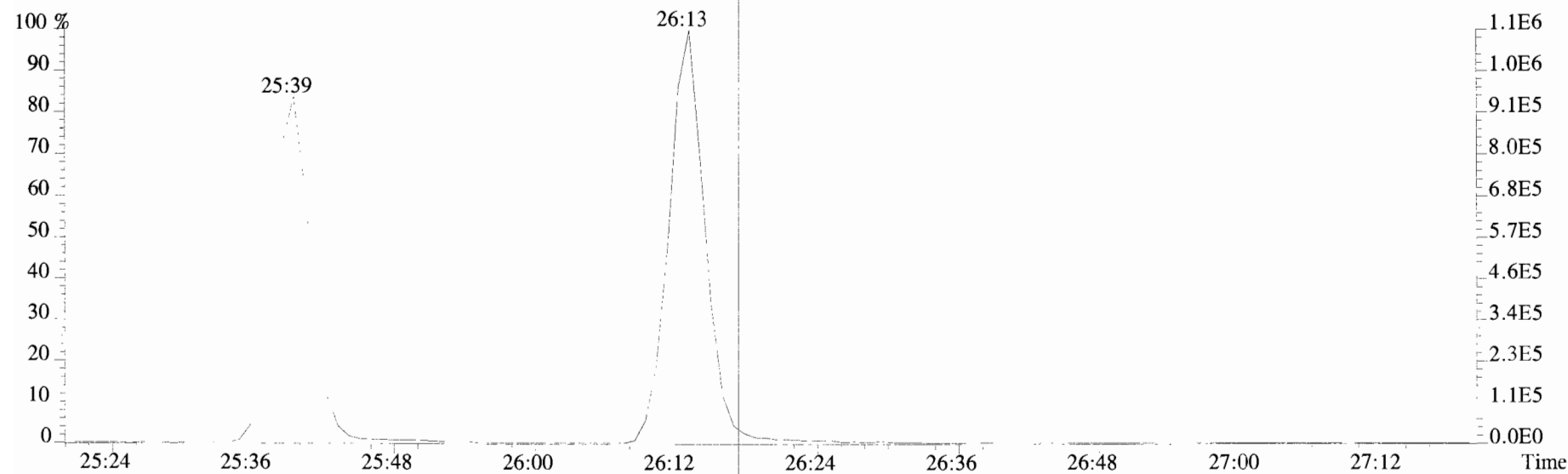
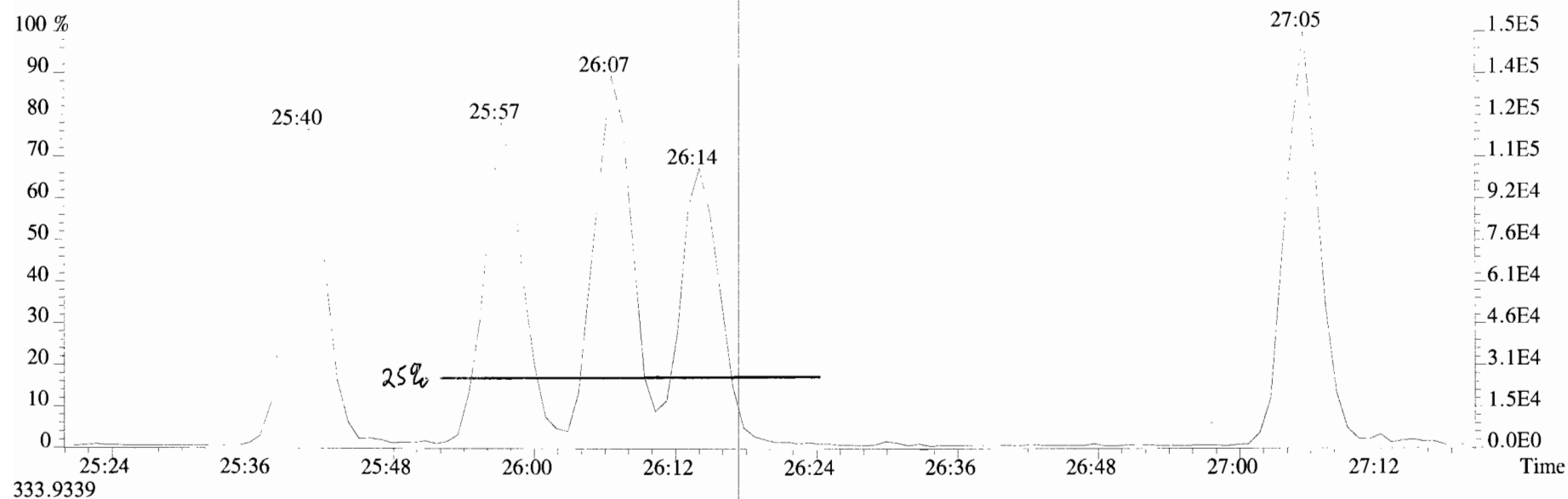


Peak Locate Examination:28-OCT-2019:12:12 File:191028D1

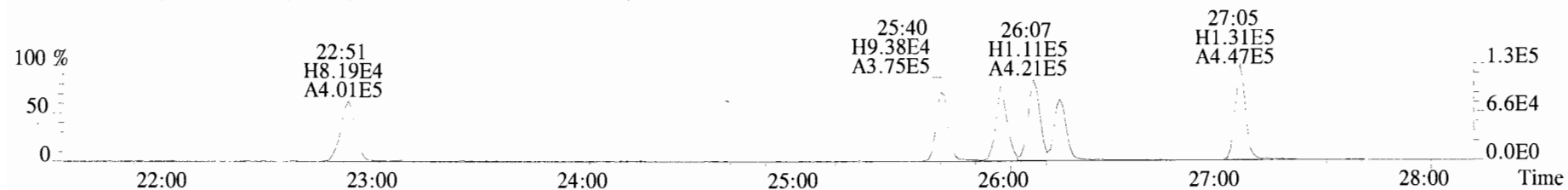
Experiment:OCDD_DB5 Function:5 Reference:PFK



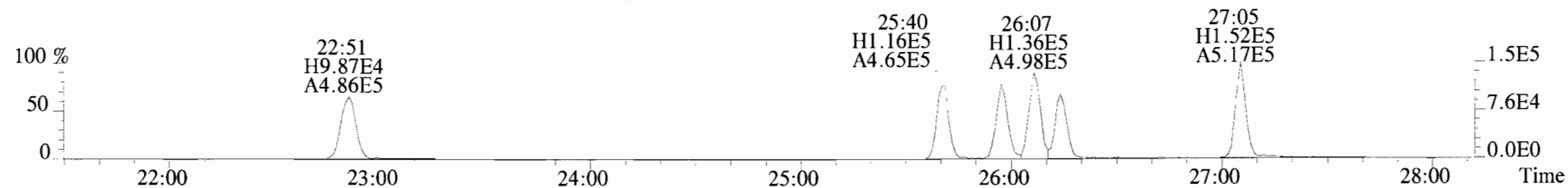
File:191028D1 #1-493 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
321.8936



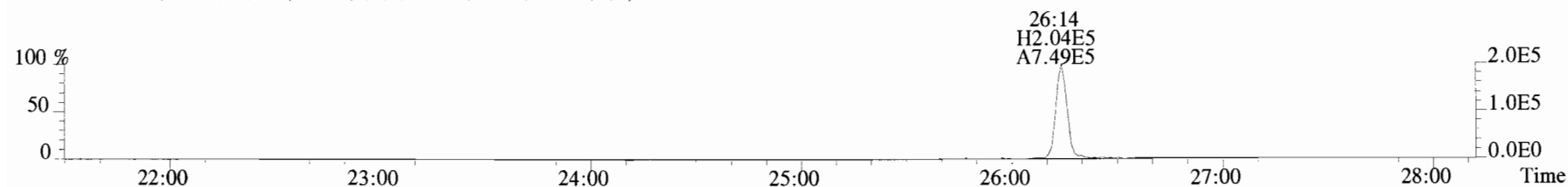
File:191028D1 #1-493 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



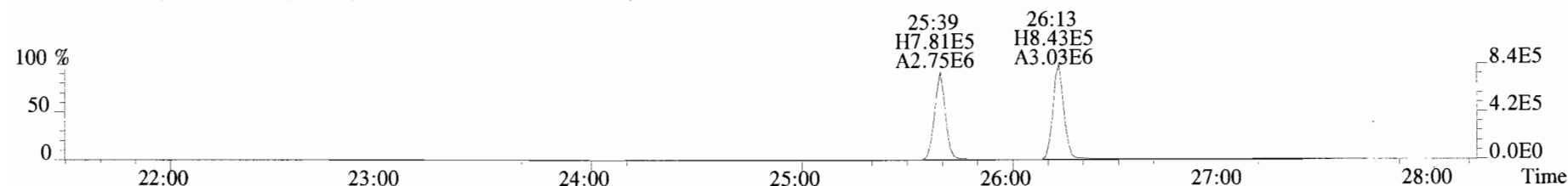
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



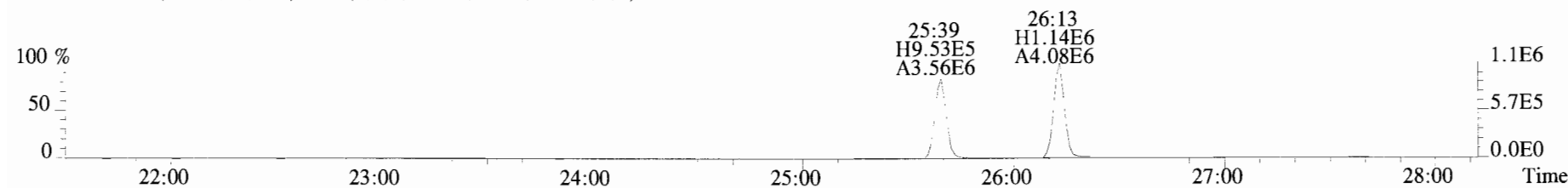
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



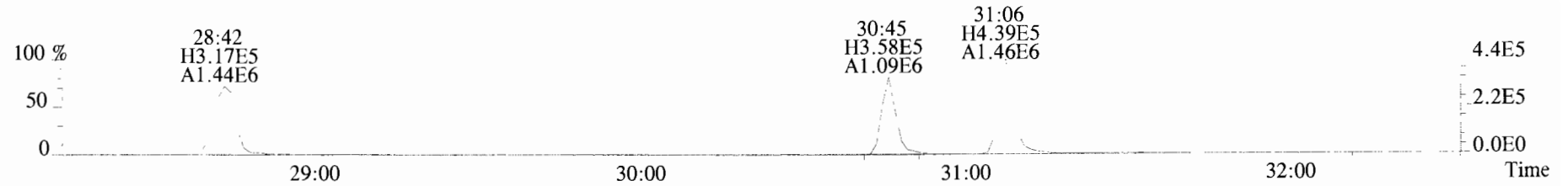
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



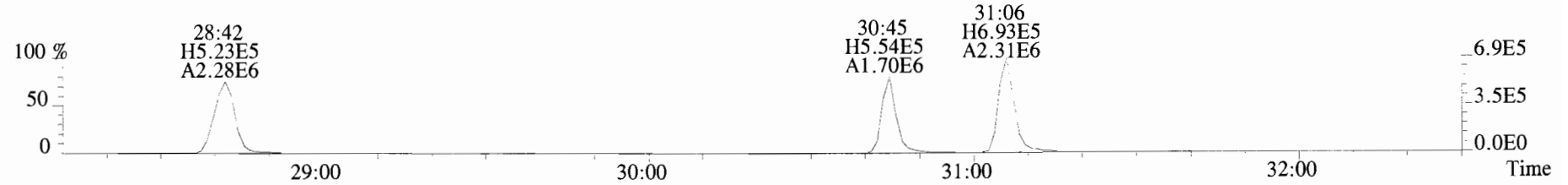
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



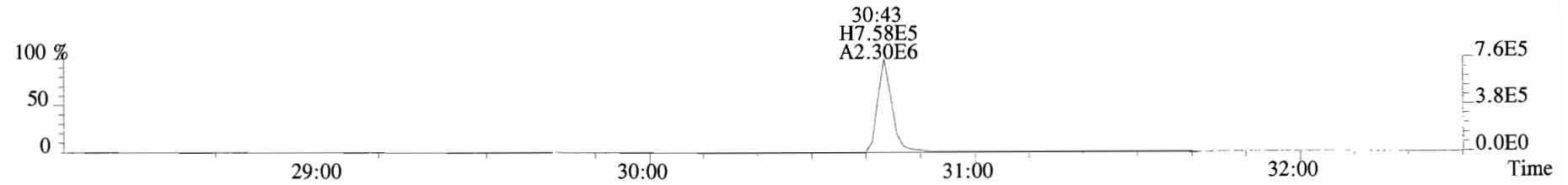
File:191028D1 #1-210 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



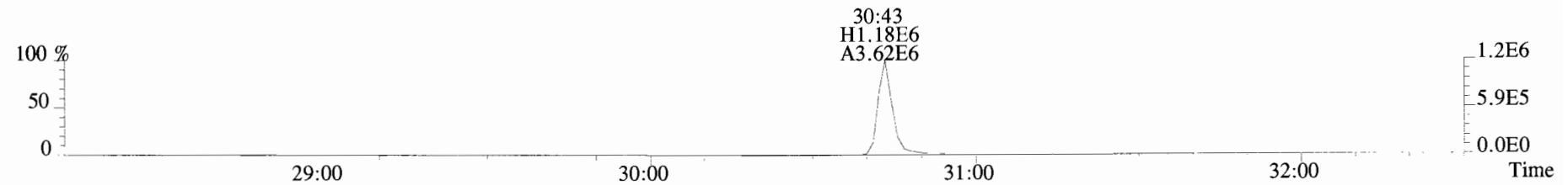
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



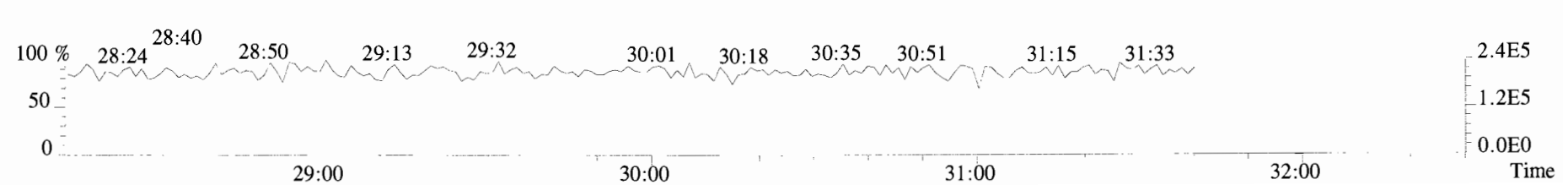
365.8978 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



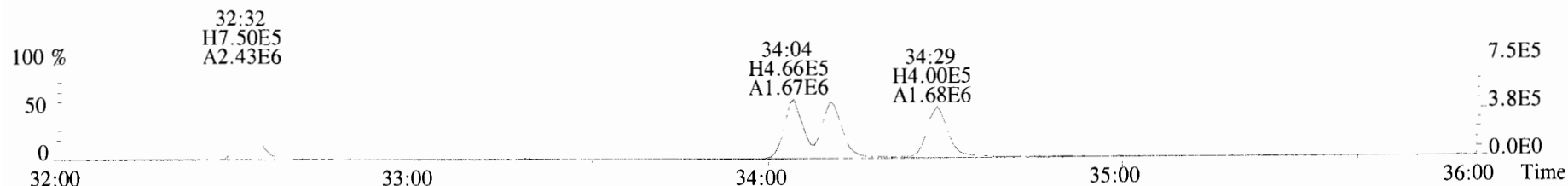
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



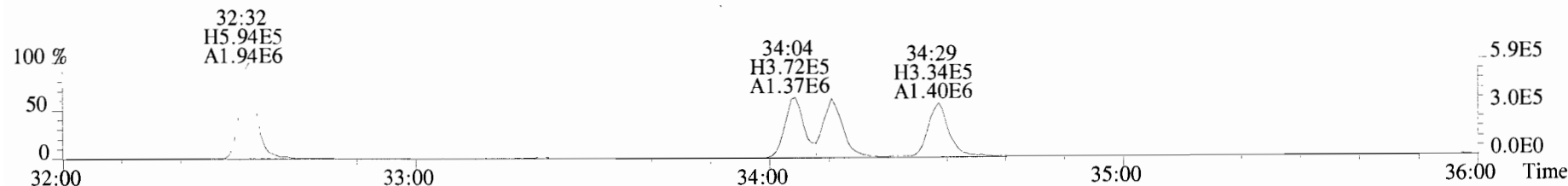
366.9792 F:2



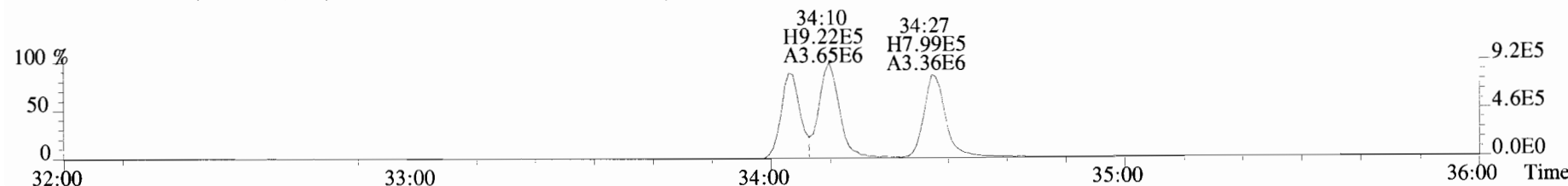
File:191028D1 #1-385 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



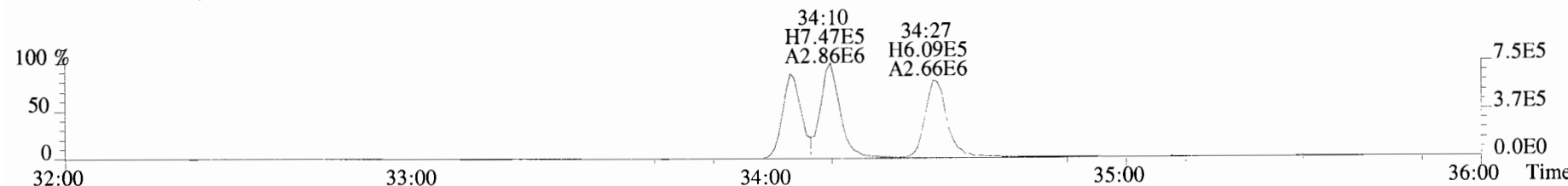
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



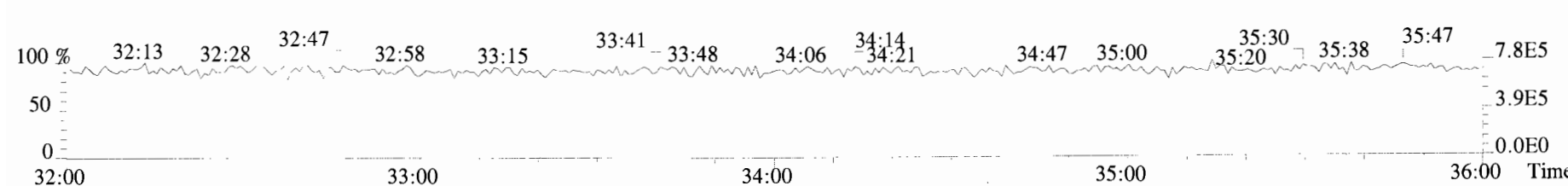
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



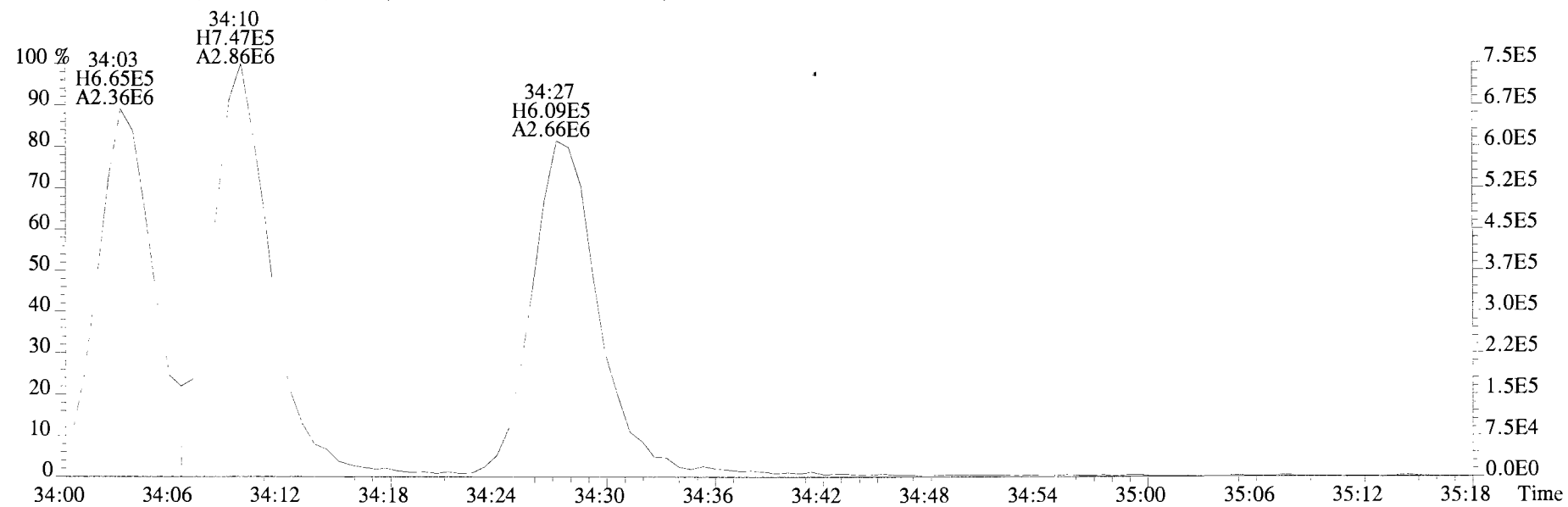
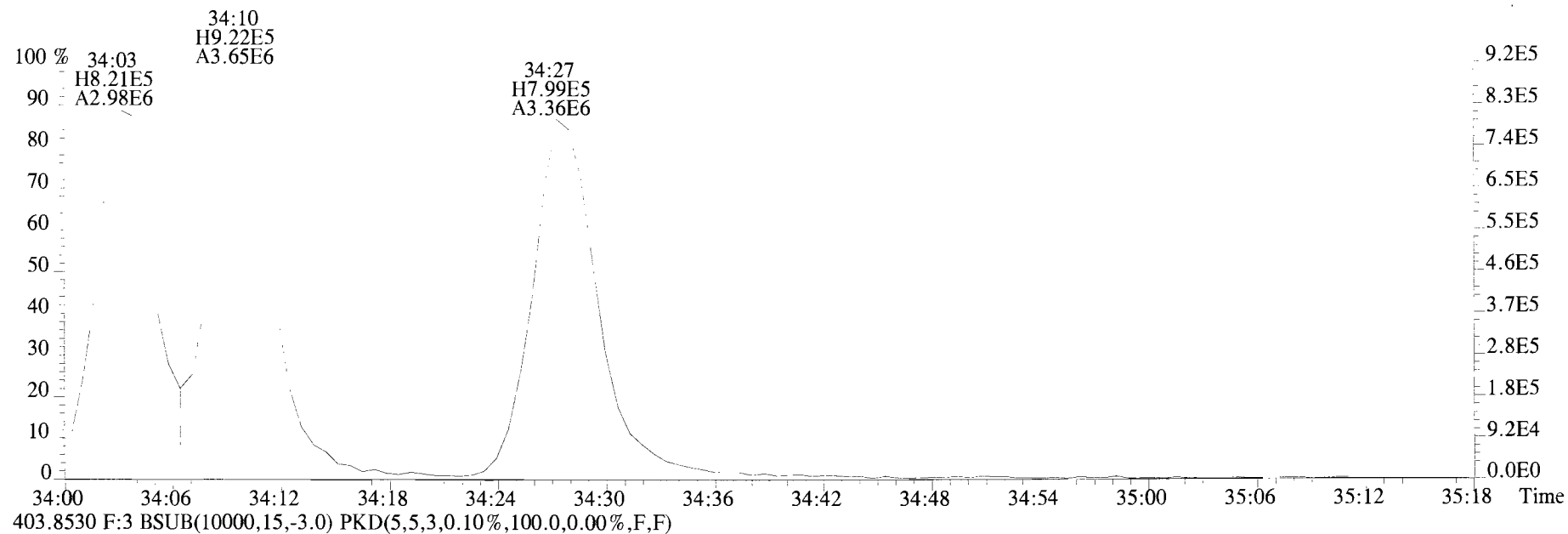
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



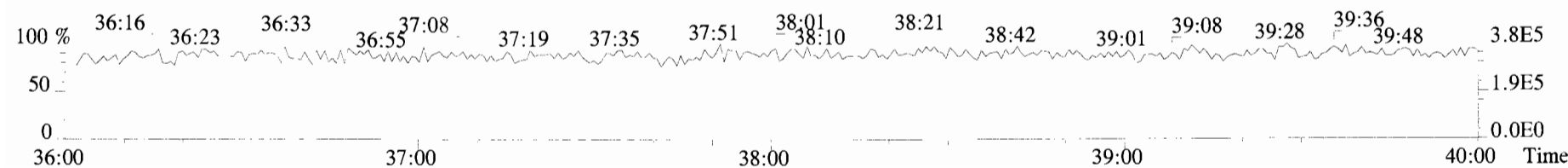
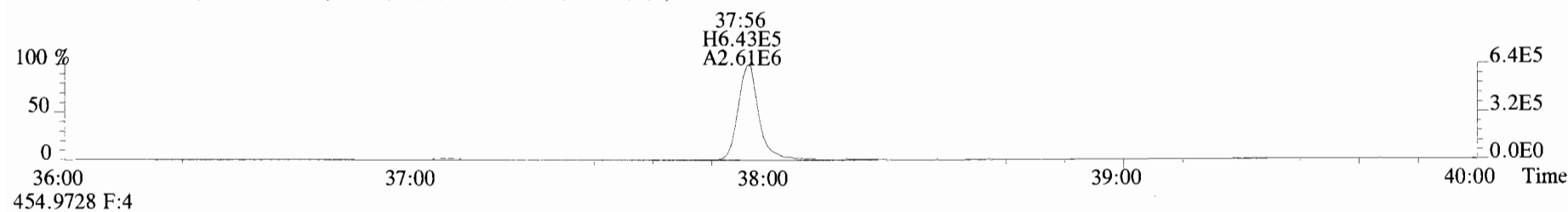
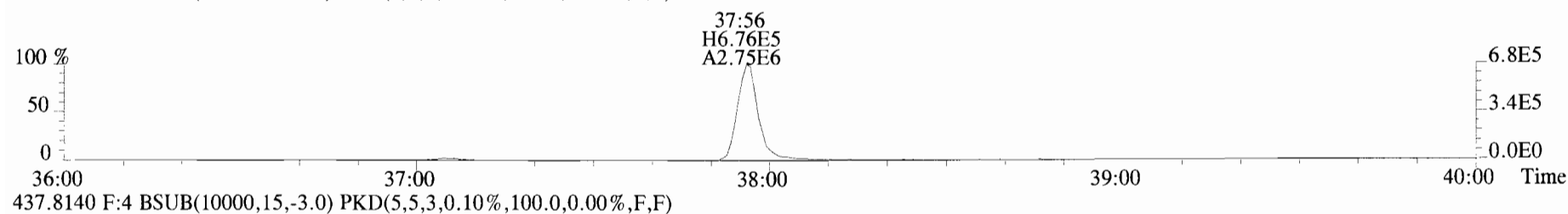
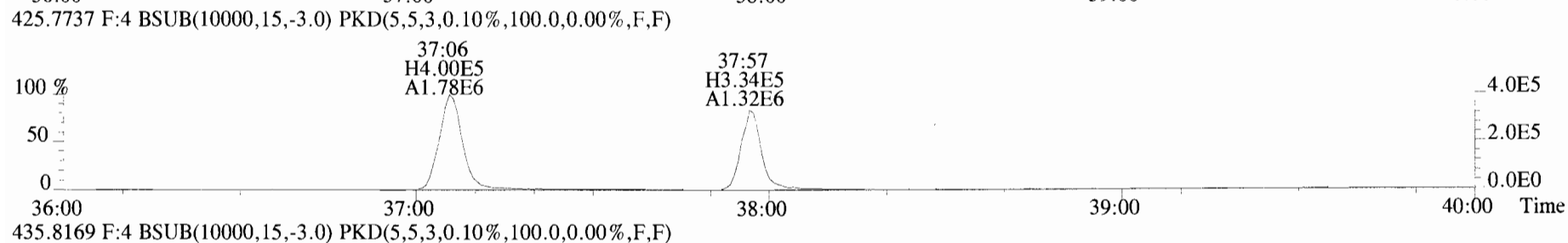
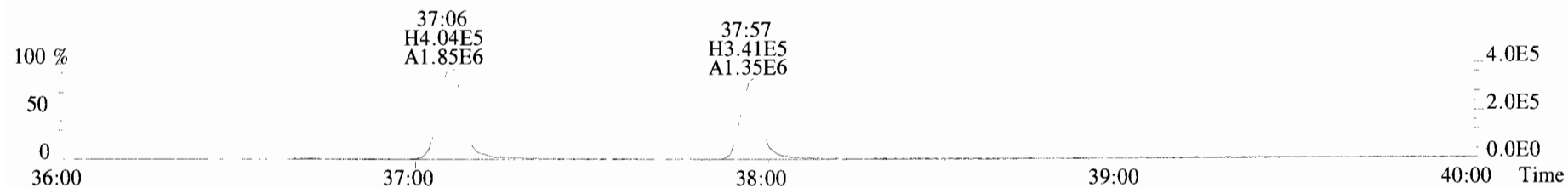
392.9760 F:3



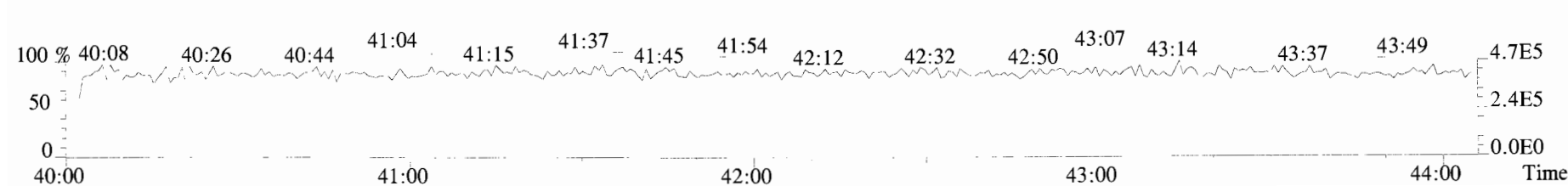
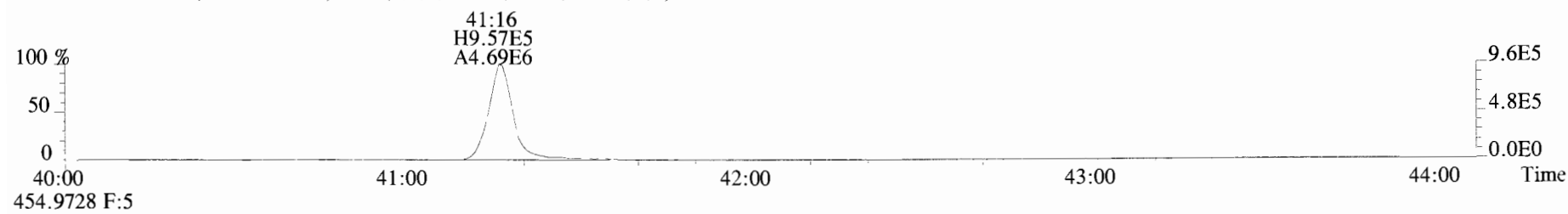
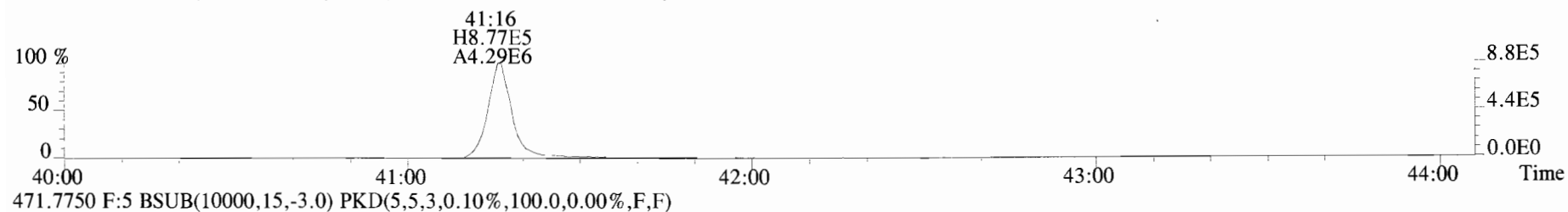
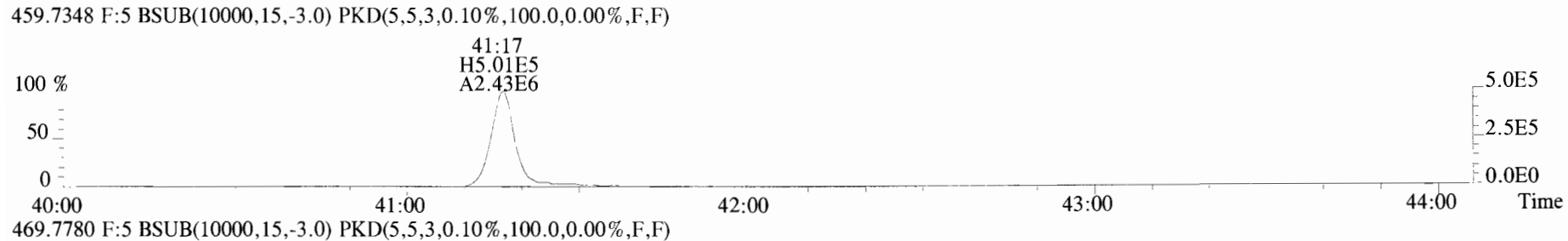
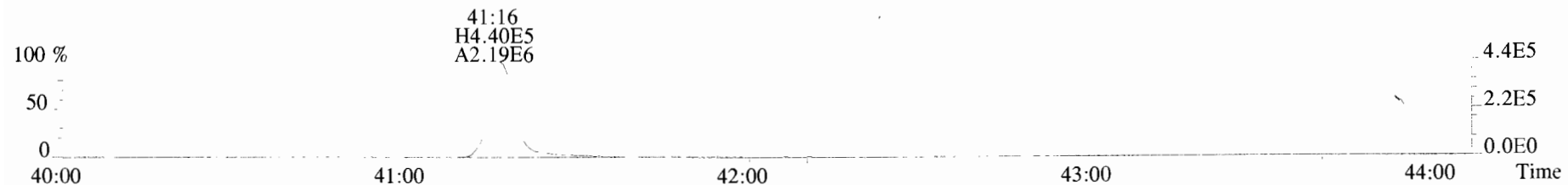
File:191028D1 #1-385 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



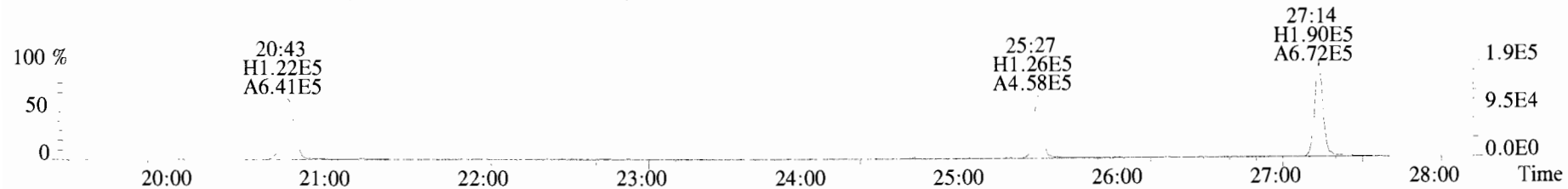
File:191028D1 #1-356 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



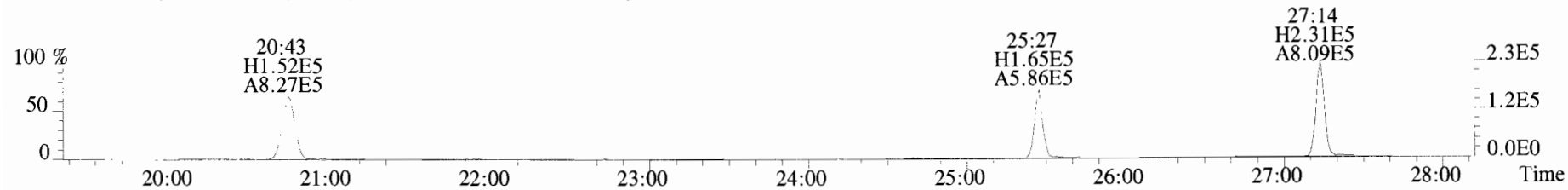
File:191028D1 #1-431 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



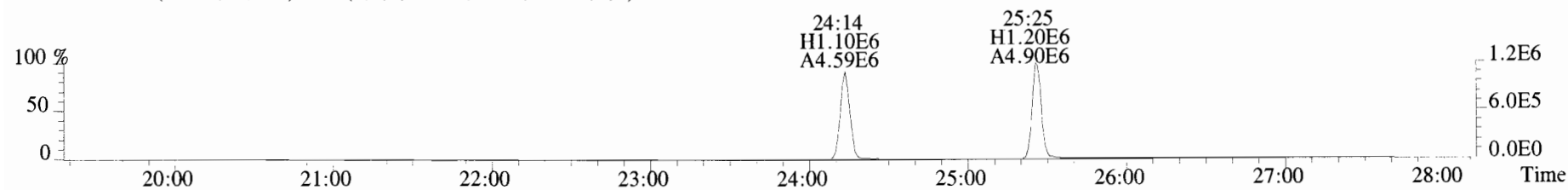
File:191028D1 #1-493 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata Analytical Laboratory VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
 303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



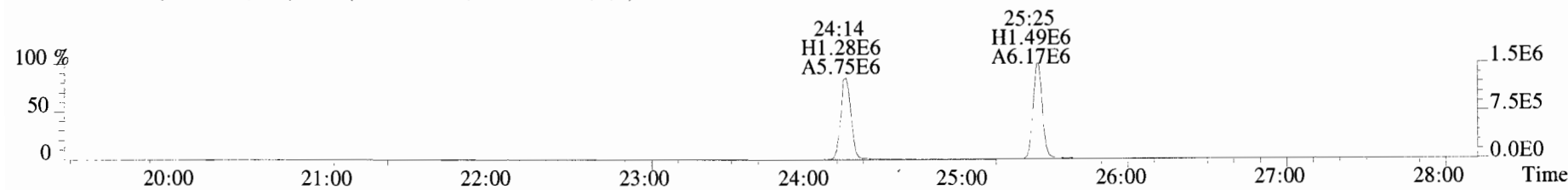
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



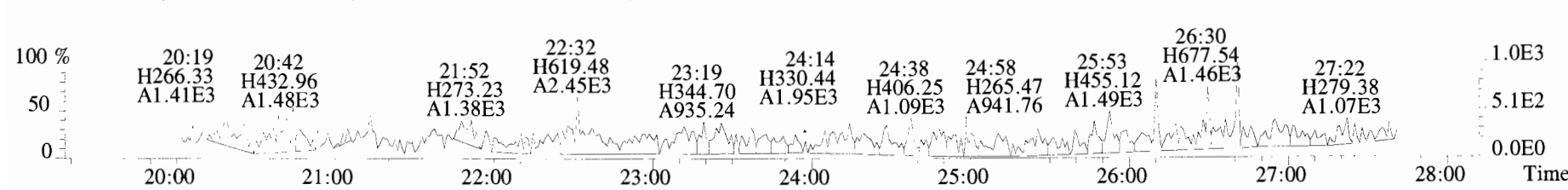
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



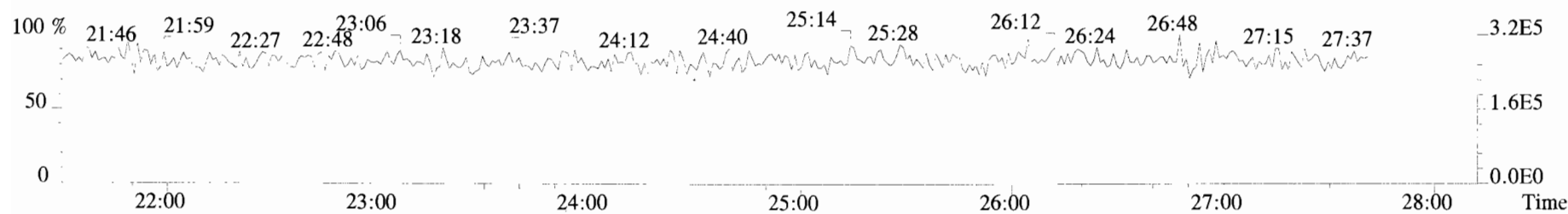
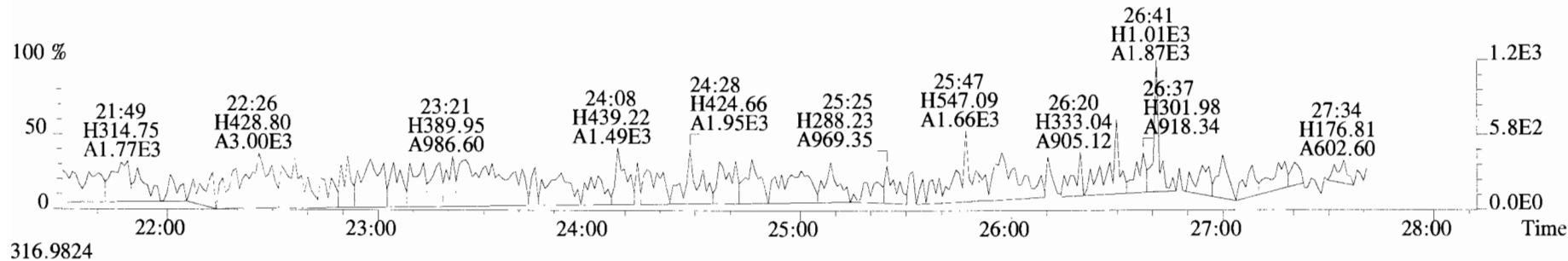
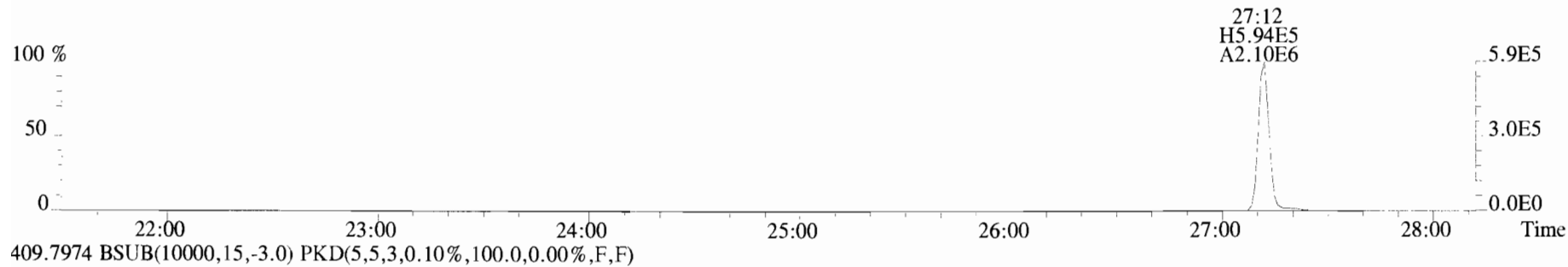
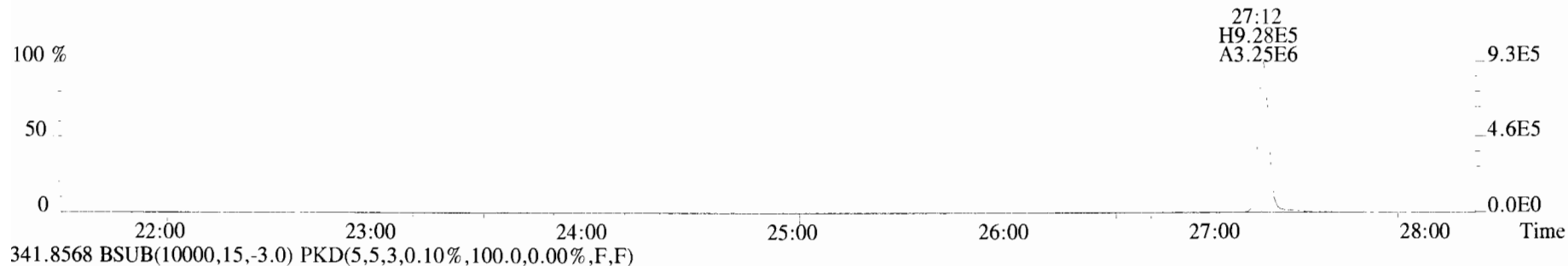
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



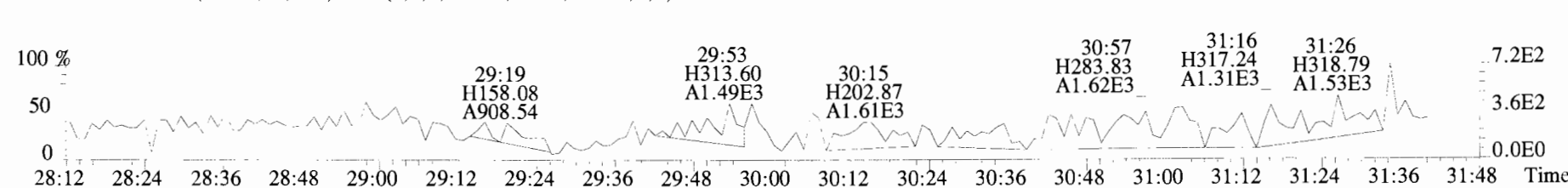
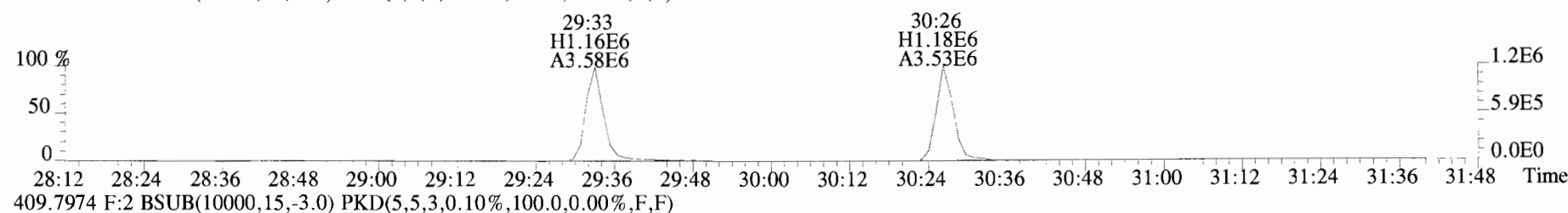
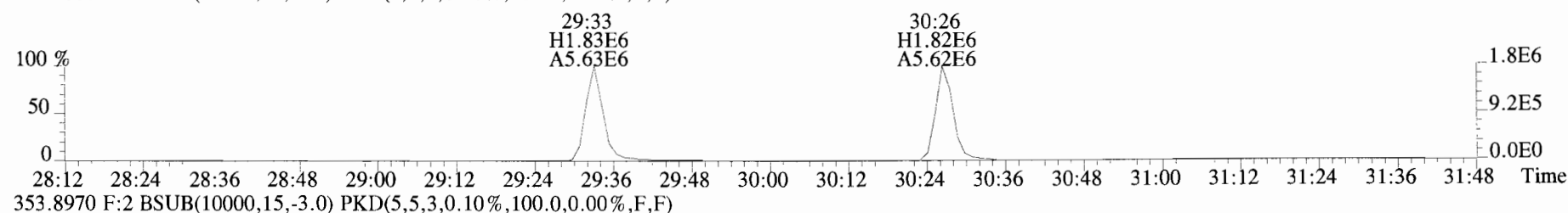
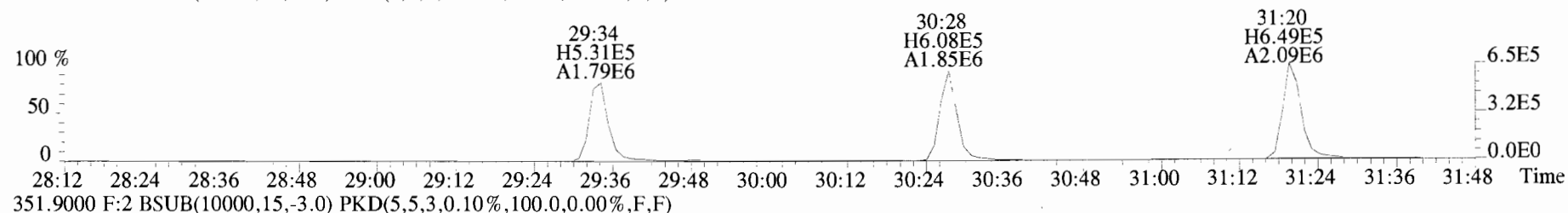
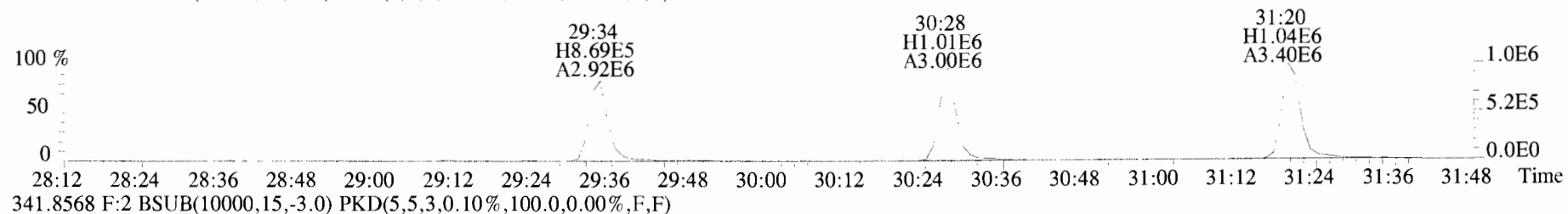
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



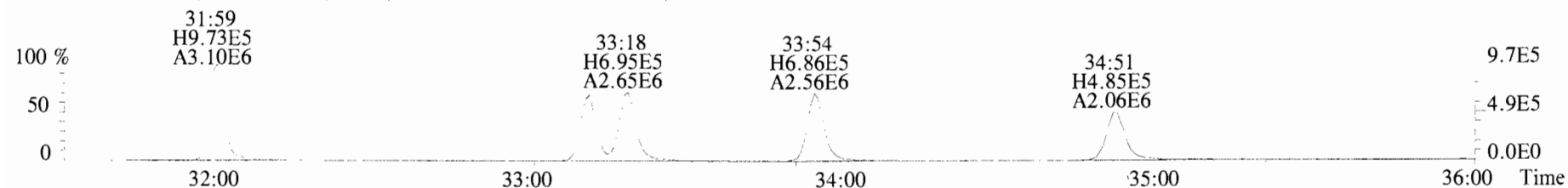
File:191028D1 #1-493 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



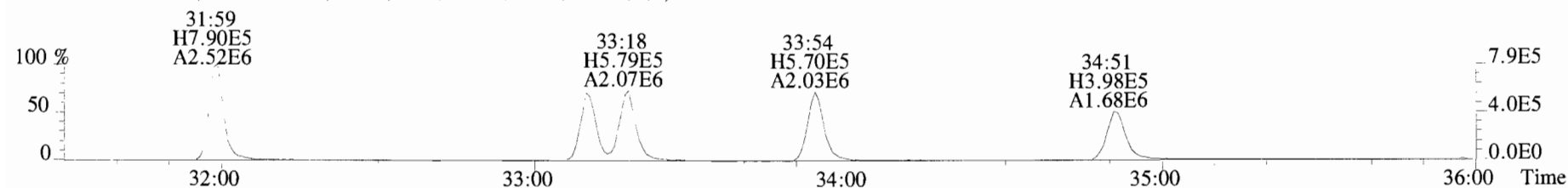
File:191028D1 #1-210 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



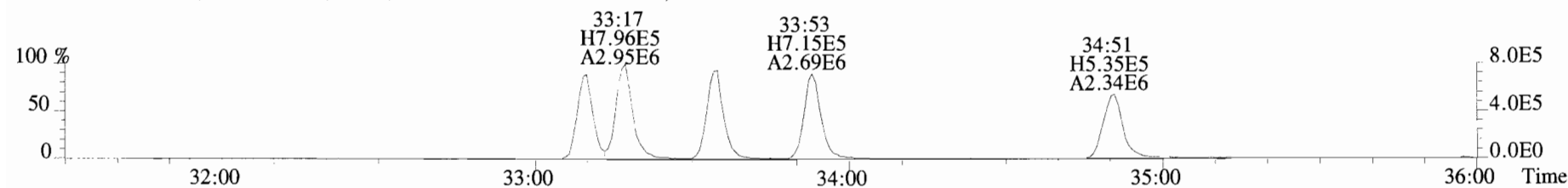
File:191028D1 #1-385 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
 373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



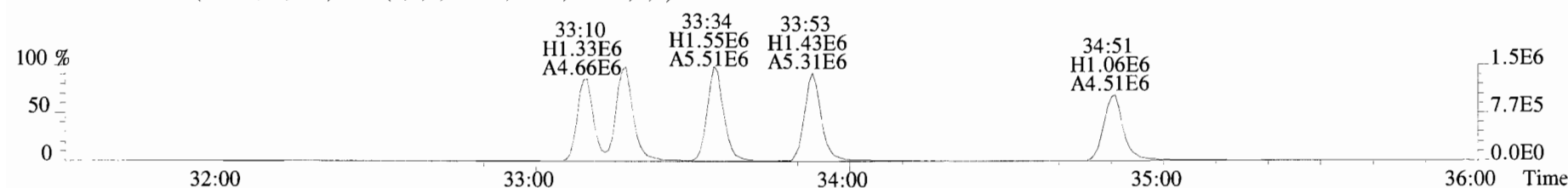
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



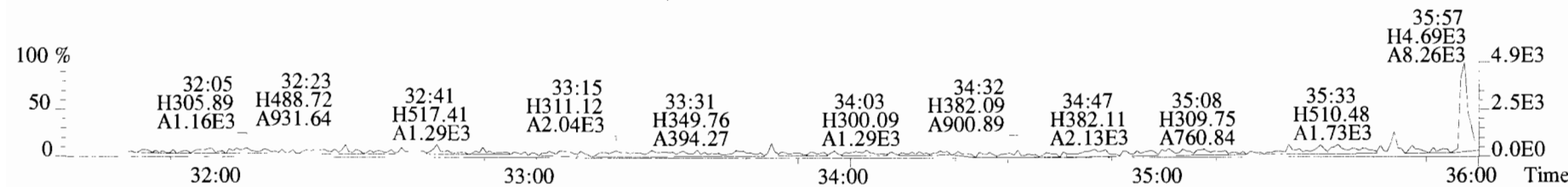
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



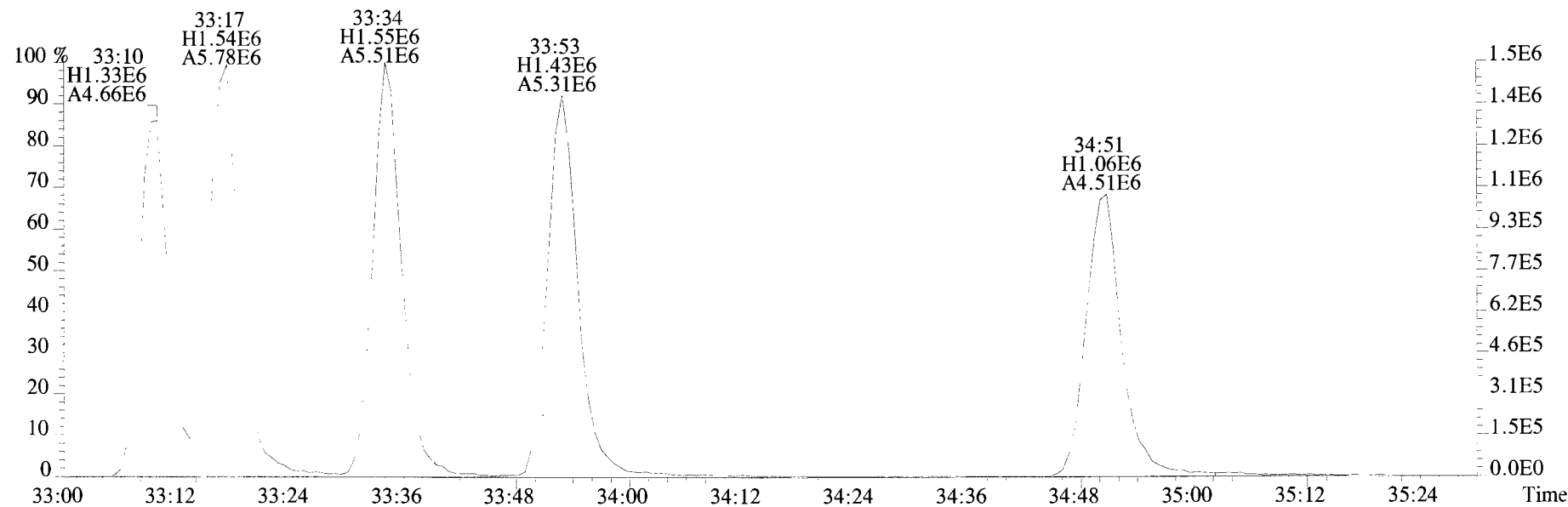
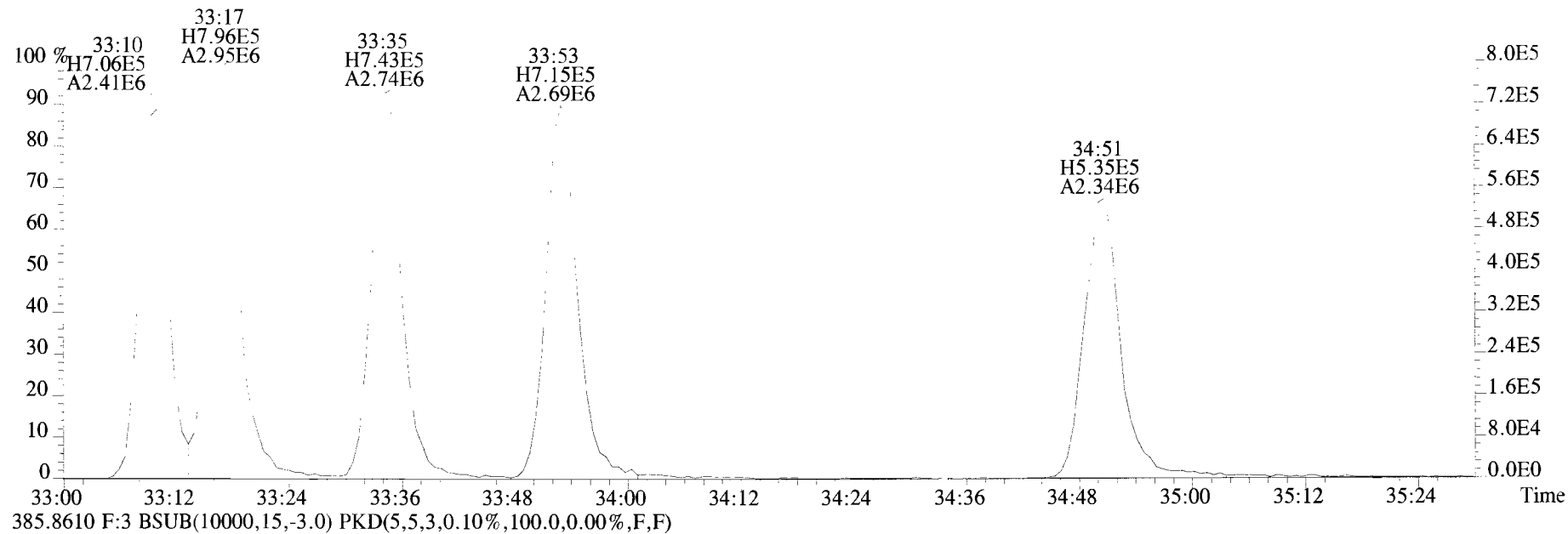
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



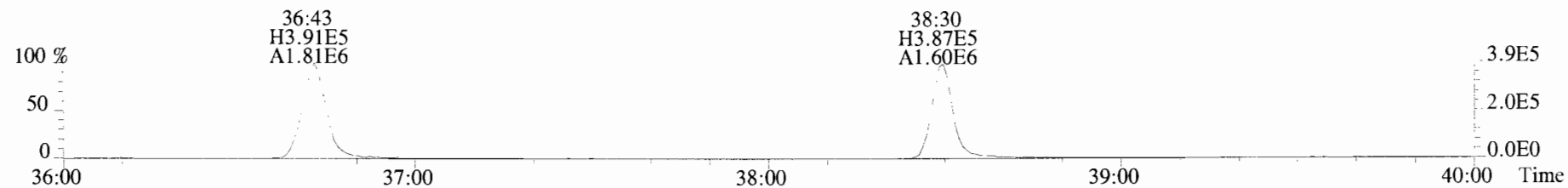
File: 191028D1 #1-385 Acq: 28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text: Viata_Analytical_Laboratory_VG7 Text: ST191028D1-1 1612 CS3 19C2204 Exp: OCDD_DB5
383.8639 F: 3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



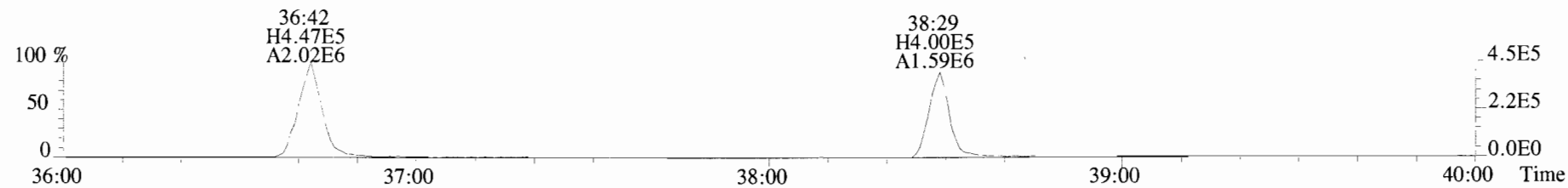
File:191028D1 #1-356 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
 407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



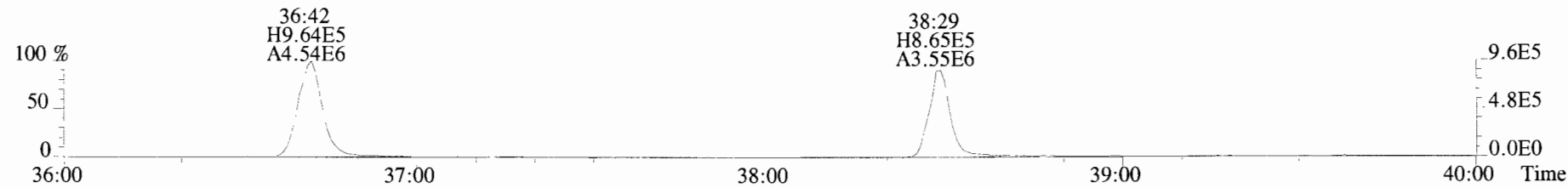
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



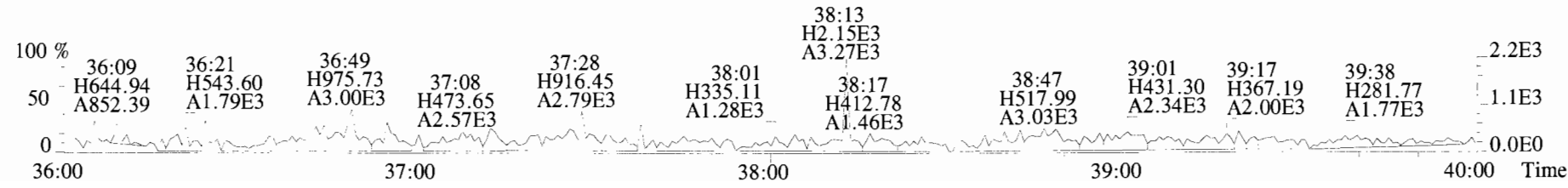
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



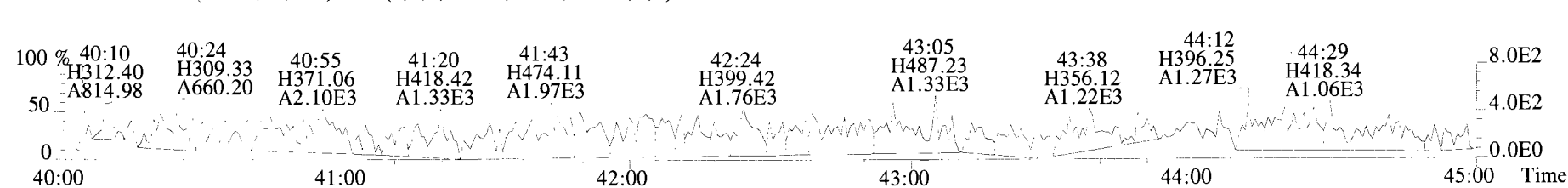
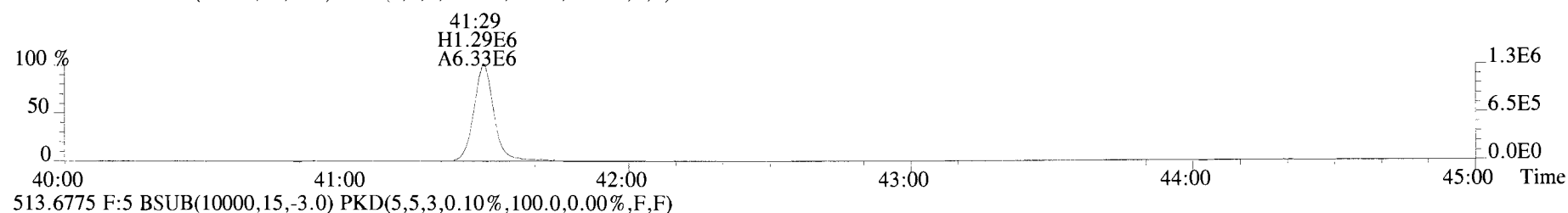
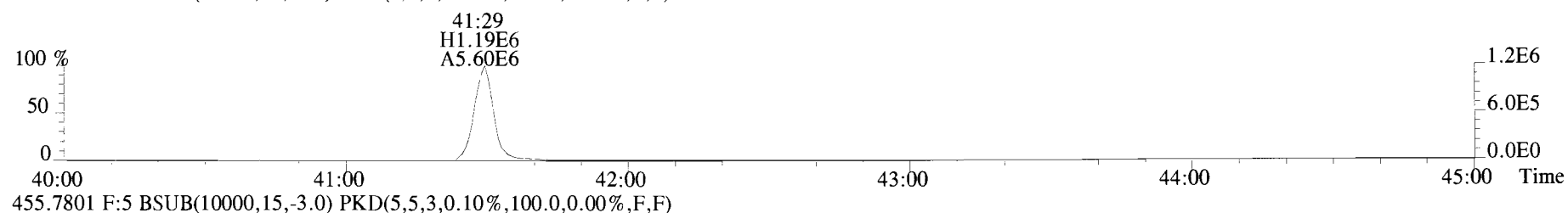
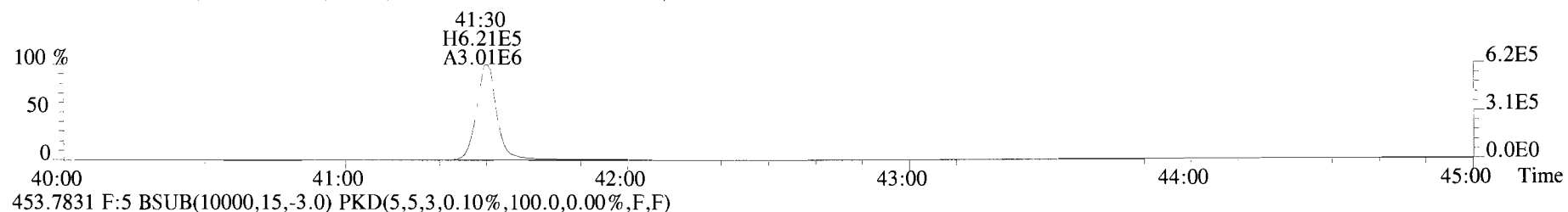
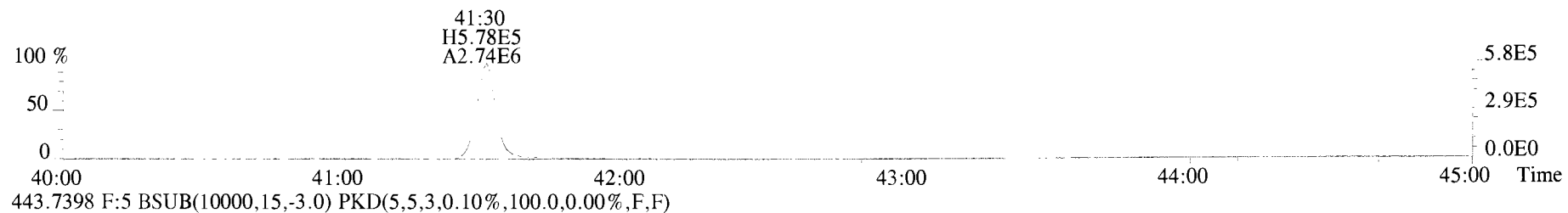
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

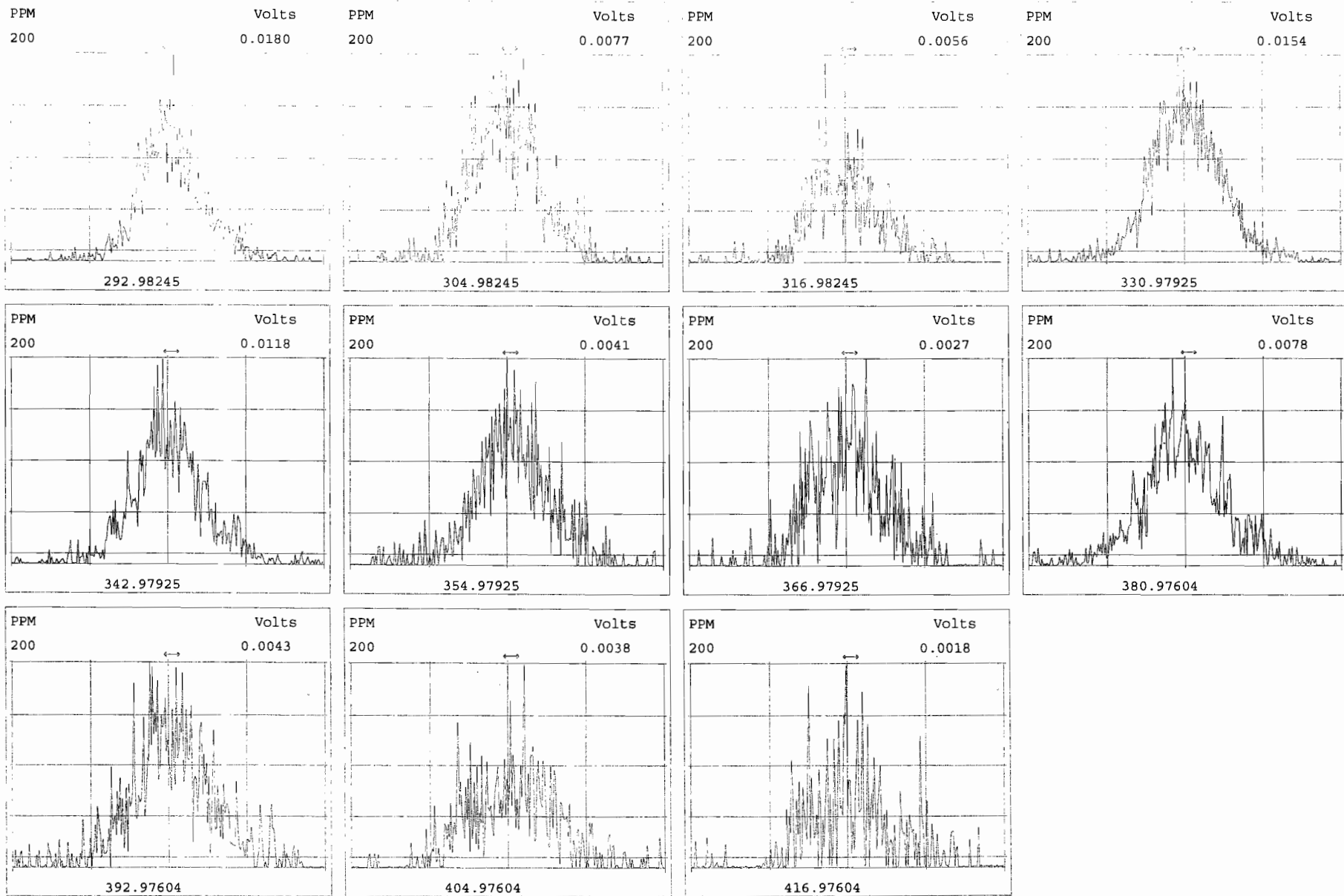


File:191028D1 #1-431 Acq:28-OCT-2019 12:13:23 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191028D1-1 1612 CS3 19C2204 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



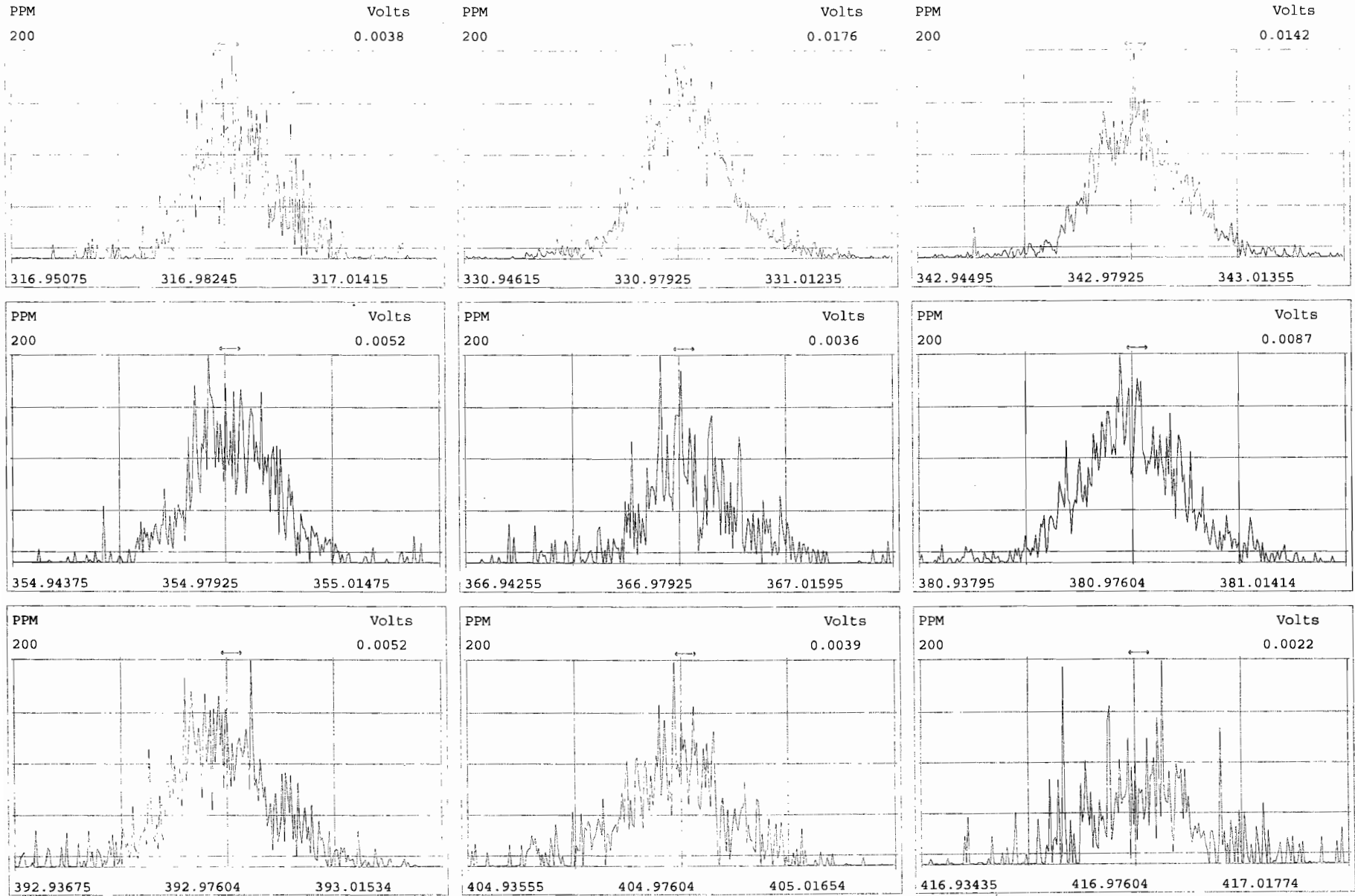
Peak Locate Examination:29-OCT-2019:01:56 File:RES_CHECK

Experiment:OCDD_DB5 Function:1 Reference:PFK



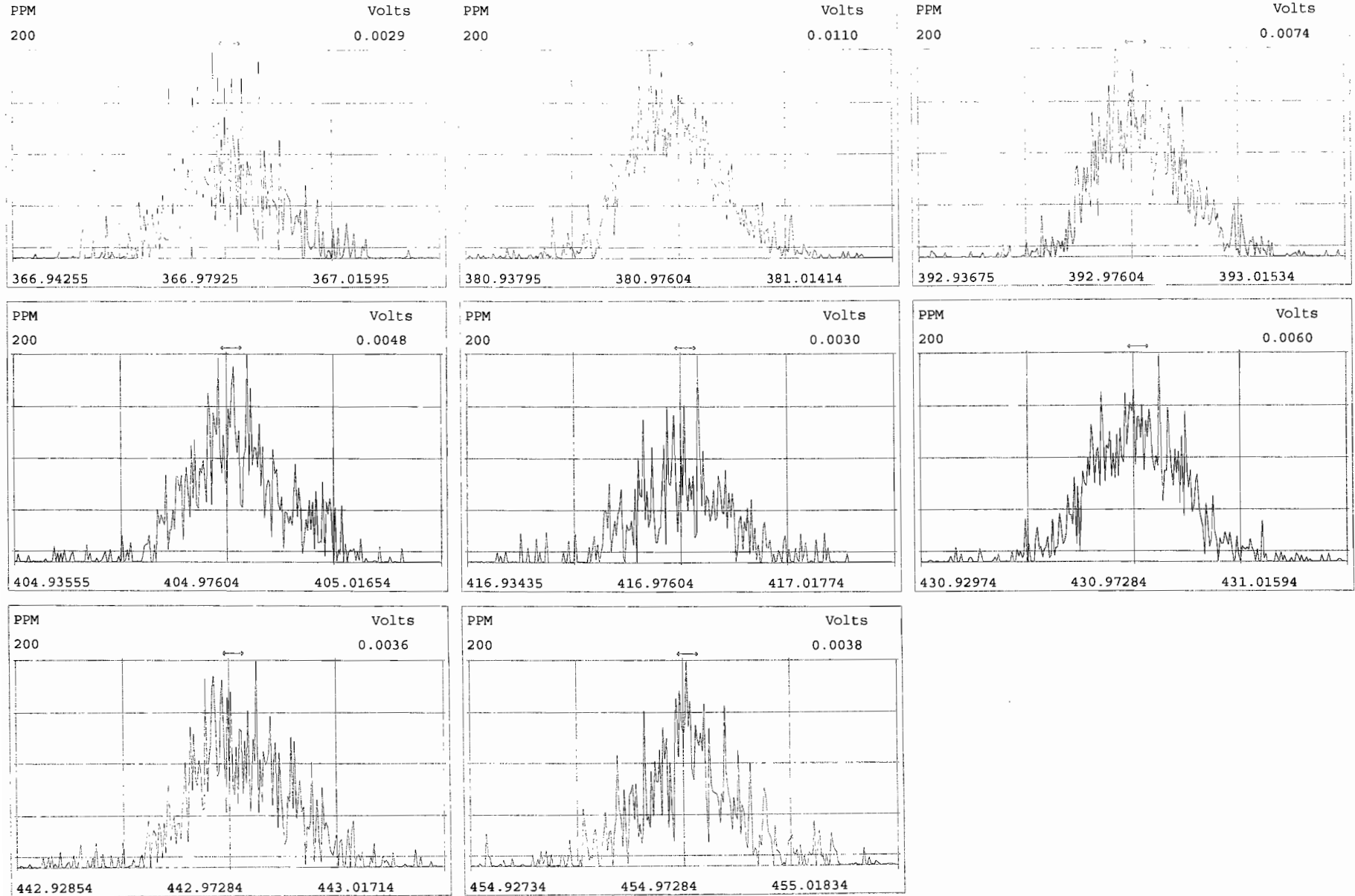
Peak Locate Examination:29-OCT-2019:01:57 File:RES_CHECK

Experiment:OCDD_DB5 Function:2 Reference:PFK



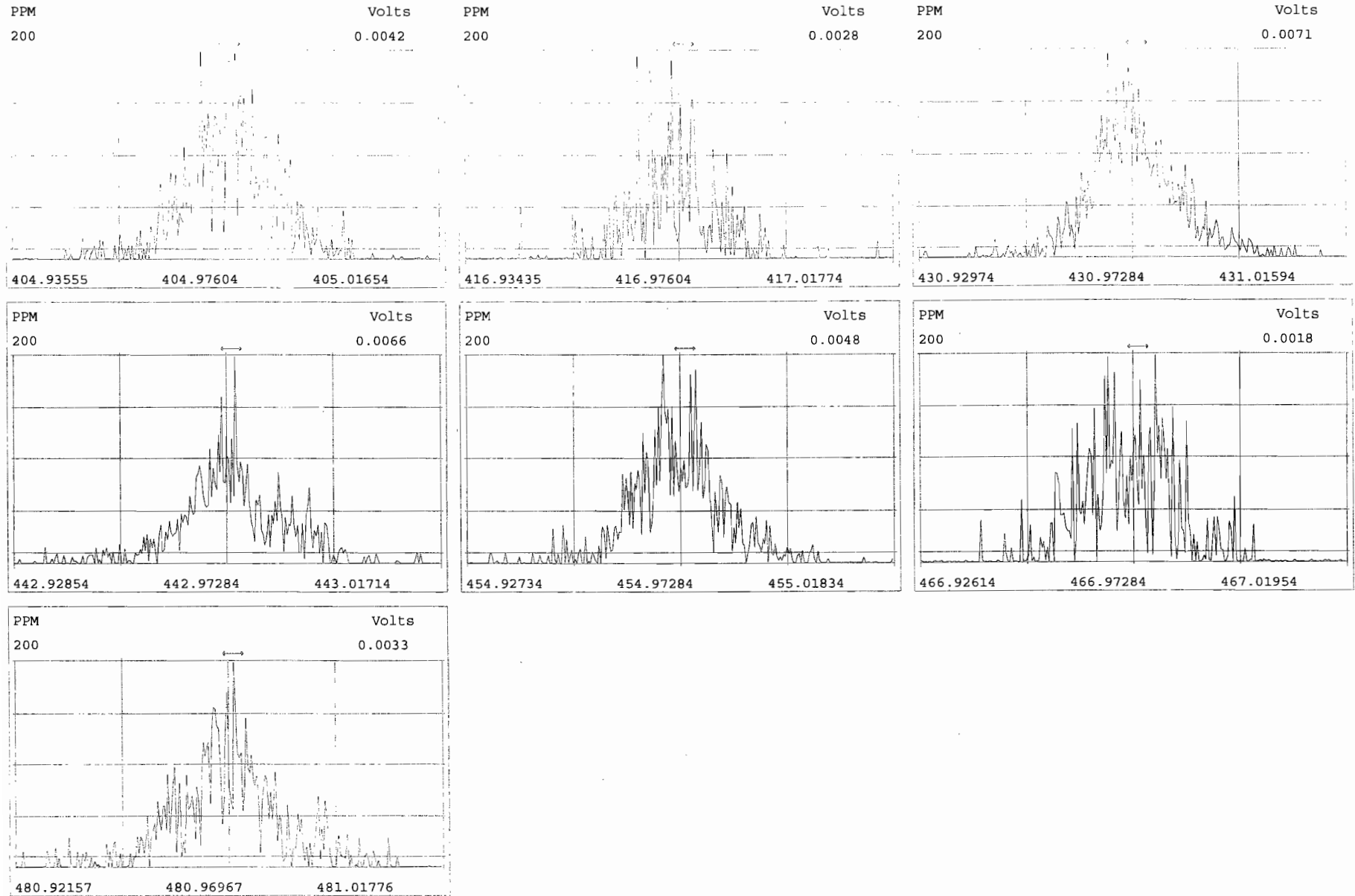
Peak Locate Examination:29-OCT-2019:01:58 File:RES_CHECK

Experiment:OCDD_DB5 Function:3 Reference:PFK



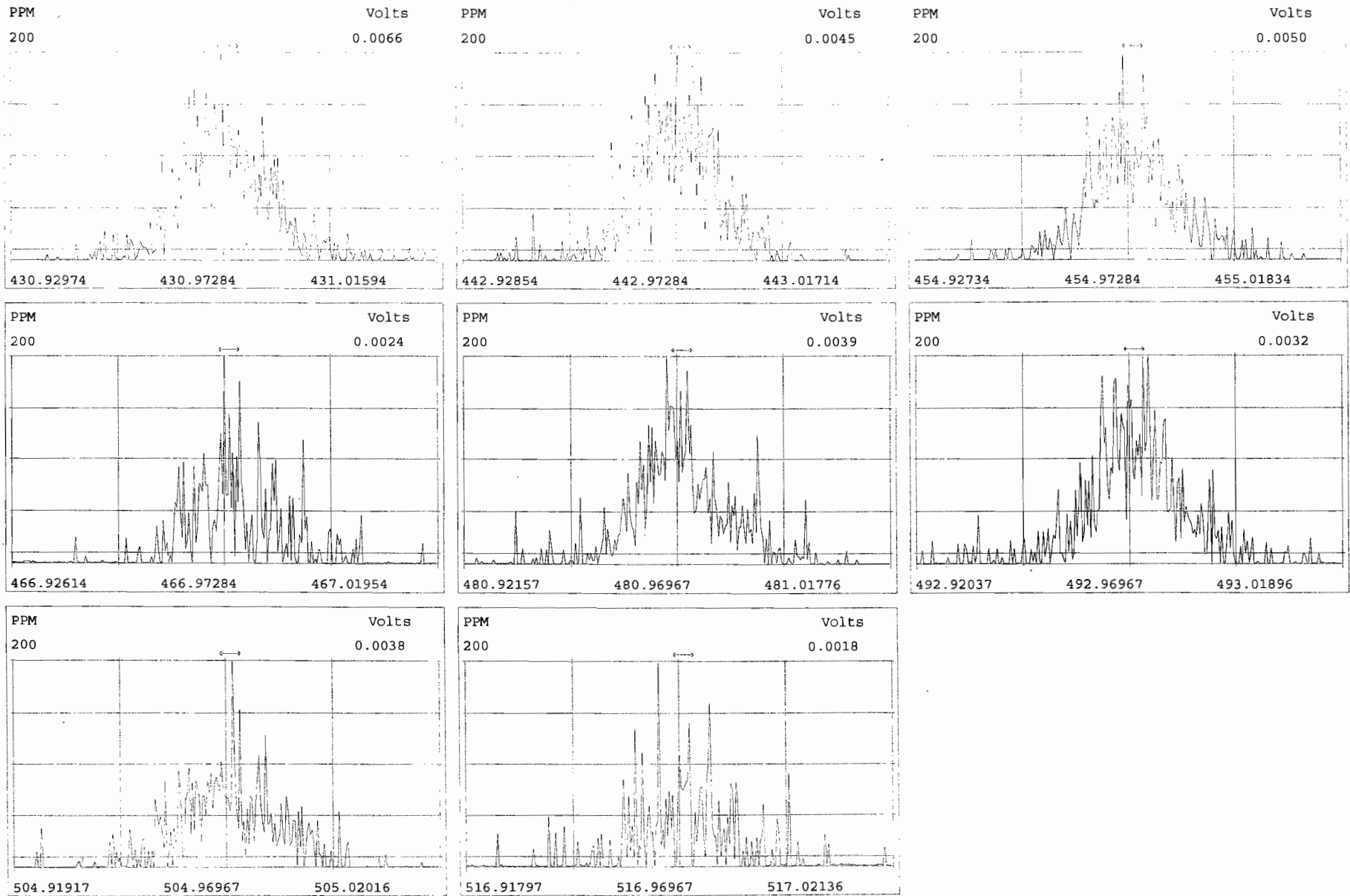
Peak Locate Examination:29-OCT-2019:01:59 File:RES_CHECK

Experiment:OCDD_DB5 Function:4 Reference:PFK



Peak Locate Examination:29-OCT-2019:02:00 File:RES_CHECK

Experiment:OCDD_DB5 Function:5 Reference:PFK



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191011K1-1

Reviewed By: EL 10.14.19

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>HL</u> | <u>↓</u> |
| <u>Run Log:</u> | | |
| - Correct instrument listed? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> <u>NA</u> |
| - Samples within 12 hour clock? | <u>HL</u> | <u>N</u> |
| - Bottle position verified? | | <u>HL</u> |

Mass resolution \geq

5k 6-8K 8K 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 type="checkbox"/> <u>NA</u> | |

8280 CS1 End Standard:

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

NA

Comments:

Ⓟ End res check had PFK drain; resulted in

- Masses to not centroid
- PFK leaks

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-1.qld

Last Altered: Friday, October 11, 2019 17:53:57 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:17:23 Pacific Daylight Time

HZ 10-11-19

EL 10-14-19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|-----------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|---------|-------|
| 1 | 1 PCB-1 | 1.14e6 | 3.13 | NO | 1.02 | 1.000 | 15.50 | 15.51 | 1.001 | 1.002 | NO | 58.42 | 117 | 0.00937 | 58.41 |
| 2 | 2 PCB-2 | 1.17e6 | 3.02 | NO | 1.01 | 1.000 | 17.92 | 17.92 | 0.988 | 0.988 | NO | 59.94 | 120 | 0.00991 | 59.94 |
| 3 | 3 PCB-3 | 1.19e6 | 3.11 | NO | 1.01 | 1.000 | 18.14 | 18.16 | 1.001 | 1.001 | NO | 61.17 | 122 | 0.00993 | 61.17 |
| 4 | 4 PCB-4/10 | 1.80e6 | 1.56 | NO | 1.28 | 1.000 | 19.57 | 19.57 | 1.004 | 1.004 | NO | 98.87 | 98.9 | 0.0719 | 98.87 |
| 5 | 5 PCB-7/9 | 2.15e6 | 1.54 | NO | 0.976 | 1.000 | 21.37 | 21.34 | 1.003 | 1.002 | NO | 100.3 | 100 | 0.0622 | 100.3 |
| 6 | 6 PCB-6 | 1.13e6 | 1.58 | NO | 1.02 | 1.000 | 22.02 | 22.02 | 1.033 | 1.033 | NO | 50.74 | 101 | 0.0596 | 50.74 |
| 7 | 7 PCB-5/8 | 2.25e6 | 1.57 | NO | 1.01 | 1.000 | 22.43 | 22.43 | 1.052 | 1.052 | NO | 101.1 | 101 | 0.0600 | 101.1 |
| 8 | 8 PCB-14 | 1.16e6 | 1.57 | NO | 1.03 | 1.000 | 23.58 | 23.56 | 0.952 | 0.951 | NO | 50.67 | 101 | 0.0615 | 50.67 |
| 9 | 9 PCB-11 | 1.26e6 | 1.58 | NO | 1.10 | 1.000 | 24.79 | 24.79 | 1.001 | 1.001 | NO | 51.64 | 103 | 0.0579 | 51.64 |
| 10 | 10 PCB-12/13 | 2.32e6 | 1.56 | NO | 1.04 | 1.000 | 25.22 | 25.16 | 1.018 | 1.016 | NO | 101.0 | 101 | 0.0612 | 101.0 |
| 11 | 11 PCB-15 | 1.16e6 | 1.56 | NO | 1.03 | 1.000 | 25.52 | 25.51 | 1.030 | 1.030 | NO | 50.91 | 102 | 0.0617 | 50.91 |
| 12 | 12 PCB-19 | 5.80e5 | 0.97 | NO | 0.934 | 1.000 | 23.75 | 23.75 | 1.001 | 1.001 | NO | 57.44 | 115 | 0.0226 | 57.44 |
| 13 | 13 PCB-30 | 9.64e5 | 0.98 | NO | 1.48 | 1.000 | 24.64 | 24.65 | 1.039 | 1.040 | NO | 60.23 | 120 | 0.0143 | 60.23 |
| 14 | 14 PCB-18 | 6.37e5 | 1.01 | NO | 0.693 | 1.000 | 25.44 | 25.43 | 0.952 | 0.952 | NO | 58.19 | 116 | 0.0215 | 58.19 |
| 15 | 15 PCB-17 | 5.98e5 | 1.00 | NO | 0.667 | 1.000 | 25.60 | 25.61 | 0.958 | 0.959 | NO | 56.76 | 114 | 0.0223 | 56.76 |
| 16 | 16 PCB-24/27 | 1.68e6 | 0.98 | NO | 0.915 | 1.000 | 26.21 | 26.20 | 0.981 | 0.981 | NO | 116.6 | 117 | 0.0163 | 116.6 |
| 17 | 17 PCB-16/32 | 1.42e6 | 0.96 | NO | 0.792 | 1.000 | 26.74 | 26.74 | 1.001 | 1.001 | NO | 113.9 | 114 | 0.0188 | 113.9 |
| 18 | 18 PCB-34 | 8.87e5 | 1.04 | NO | 0.987 | 1.000 | 27.55 | 27.56 | 0.959 | 0.959 | NO | 45.53 | 91.1 | 0.0261 | 45.53 |
| 19 | 19 PCB-23 | 9.55e5 | 1.05 | NO | 0.974 | 1.000 | 27.65 | 27.65 | 0.962 | 0.962 | NO | 49.69 | 99.4 | 0.0264 | 49.69 |
| 20 | 20 PCB-29 | 9.03e5 | 1.05 | NO | 0.953 | 1.000 | 27.91 | 27.89 | 0.972 | 0.971 | NO | 47.97 | 95.9 | 0.0270 | 47.97 |
| 21 | 21 PCB-26 | 9.81e5 | 1.05 | NO | 1.00 | 1.000 | 28.13 | 28.11 | 0.979 | 0.979 | NO | 49.67 | 99.3 | 0.0257 | 49.67 |
| 22 | 22 PCB-25 | 9.70e5 | 1.06 | NO | 0.978 | 1.000 | 28.29 | 28.28 | 0.985 | 0.984 | NO | 50.24 | 100 | 0.0263 | 50.24 |
| 23 | 23 PCB-31 | 1.14e6 | 1.04 | NO | 1.12 | 1.000 | 28.66 | 28.65 | 0.998 | 0.997 | NO | 51.56 | 103 | 0.0229 | 51.56 |
| 24 | 24 PCB-28 | 1.01e6 | 1.04 | NO | 1.11 | 1.000 | 28.75 | 28.75 | 1.001 | 1.001 | NO | 46.23 | 92.5 | 0.0233 | 46.23 |
| 25 | 25 PCB-20/21/33 | 2.89e6 | 1.05 | NO | 1.00 | 1.000 | 29.37 | 29.38 | 1.022 | 1.023 | NO | 145.7 | 97.1 | 0.0257 | 145.7 |
| 26 | 26 PCB-22 | 1.05e6 | 1.04 | NO | 1.03 | 1.000 | 29.84 | 29.84 | 1.039 | 1.039 | NO | 51.37 | 103 | 0.0249 | 51.37 |
| 27 | 27 PCB-36 | 1.04e6 | 1.05 | NO | 1.18 | 1.000 | 30.49 | 30.48 | 0.932 | 0.931 | NO | 48.54 | 97.1 | 0.0233 | 48.54 |
| 28 | 28 PCB-39 | 9.61e5 | 1.04 | NO | 1.08 | 1.000 | 30.96 | 30.96 | 0.946 | 0.946 | NO | 48.55 | 97.1 | 0.0253 | 48.56 |
| 29 | 29 PCB-38 | 1.04e6 | 1.06 | NO | 1.13 | 1.000 | 31.77 | 31.76 | 0.971 | 0.970 | NO | 50.62 | 101 | 0.0243 | 50.62 |
| 30 | 30 PCB-35 | 1.04e6 | 1.06 | NO | 1.13 | 1.000 | 32.31 | 32.30 | 0.987 | 0.987 | NO | 50.46 | 101 | 0.0242 | 50.46 |
| 31 | 31 PCB-37 | 1.02e6 | 1.05 | NO | 1.11 | 1.000 | 32.76 | 32.75 | 1.001 | 1.001 | NO | 50.45 | 101 | 0.0248 | 50.45 |
| 32 | 32 PCB-54 | 7.89e5 | 0.73 | NO | 0.996 | 1.000 | 27.59 | 27.59 | 1.001 | 1.001 | NO | 55.14 | 110 | 0.0221 | 55.15 |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-1.qld

Last Altered: Friday, October 11, 2019 17:53:57 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:17:23 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc | %Rec | DL | EMPG |
|----|--------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|--------|-------|
| 33 | 33 PCB-50 | 6.31e5 | 0.74 | NO | 0.781 | 1.000 | 28.79 | 28.80 | 1.044 | 1.044 | NO | 56.15 | 112 | 0.0282 | 56.15 |
| 34 | 34 PCB-53 | 5.74e5 | 0.74 | NO | 0.955 | 1.000 | 29.46 | 29.47 | 0.943 | 0.944 | NO | 52.76 | 106 | 0.0287 | 52.76 |
| 35 | 35 PCB-51 | 6.31e5 | 0.74 | NO | 1.02 | 1.000 | 29.80 | 29.83 | 0.955 | 0.955 | NO | 54.05 | 108 | 0.0268 | 54.05 |
| 36 | 36 PCB-45 | 4.97e5 | 0.72 | NO | 0.808 | 1.000 | 30.26 | 30.25 | 0.969 | 0.969 | NO | 54.01 | 108 | 0.0340 | 54.01 |
| 37 | 37 PCB-46 | 4.82e5 | 0.74 | NO | 0.754 | 1.000 | 30.75 | 30.76 | 0.985 | 0.985 | NO | 56.07 | 112 | 0.0364 | 56.07 |
| 38 | 38 PCB-52/69 | 1.38e6 | 0.74 | NO | 1.09 | 1.000 | 31.26 | 31.26 | 1.001 | 1.001 | NO | 110.7 | 111 | 0.0251 | 110.7 |
| 39 | 39 PCB-73 | 7.84e5 | 0.75 | NO | 1.29 | 1.000 | 31.38 | 31.39 | 1.005 | 1.005 | NO | 53.37 | 107 | 0.0213 | 53.37 |
| 40 | 40 PCB-43/49 | 1.17e6 | 0.74 | NO | 0.940 | 1.000 | 31.55 | 31.56 | 1.010 | 1.011 | NO | 109.4 | 109 | 0.0292 | 109.4 |
| 41 | 41 PCB-47 | 5.90e5 | 0.74 | NO | 0.869 | 1.000 | 31.76 | 31.76 | 1.001 | 1.001 | NO | 56.33 | 113 | 0.0300 | 56.34 |
| 42 | 42 PCB-48/75 | 1.35e6 | 0.74 | NO | 1.02 | 1.000 | 31.87 | 31.87 | 1.004 | 1.004 | NO | 109.4 | 109 | 0.0254 | 109.4 |
| 43 | 43 PCB-65 | 7.56e5 | 0.74 | NO | 1.11 | 1.000 | 32.14 | 32.15 | 1.013 | 1.013 | NO | 56.60 | 113 | 0.0235 | 56.60 |
| 44 | 44 PCB-62 | 6.88e5 | 0.73 | NO | 1.07 | 1.000 | 32.25 | 32.26 | 1.016 | 1.016 | NO | 53.63 | 107 | 0.0244 | 53.63 |
| 45 | 45 PCB-44 | 4.96e5 | 0.72 | NO | 0.761 | 1.000 | 32.59 | 32.58 | 1.027 | 1.026 | NO | 54.14 | 108 | 0.0342 | 54.14 |
| 46 | 46 PCB-42/59 | 1.28e6 | 0.73 | NO | 0.960 | 1.000 | 32.80 | 32.82 | 1.033 | 1.034 | NO | 110.7 | 111 | 0.0271 | 110.7 |
| 47 | 47 PCB-41/64/71/72 | 2.90e6 | 0.74 | NO | 1.08 | 1.000 | 33.42 | 33.42 | 1.053 | 1.053 | NO | 222.6 | 111 | 0.0241 | 222.6 |
| 48 | 48 PCB-68 | 7.58e5 | 0.73 | NO | 1.11 | 1.000 | 33.68 | 33.70 | 1.061 | 1.062 | NO | 56.77 | 114 | 0.0235 | 56.77 |
| 49 | 49 PCB-40 | 3.76e5 | 0.73 | NO | 0.577 | 1.000 | 33.91 | 33.90 | 1.068 | 1.068 | NO | 54.10 | 108 | 0.0452 | 54.09 |
| 50 | 50 PCB-57 | 8.22e5 | 0.72 | NO | 1.05 | 1.000 | 34.28 | 34.29 | 0.969 | 0.970 | NO | 57.38 | 115 | 0.0223 | 57.38 |
| 51 | 51 PCB-67 | 7.73e5 | 0.74 | NO | 0.993 | 1.000 | 34.60 | 34.61 | 0.978 | 0.978 | NO | 56.95 | 114 | 0.0236 | 56.95 |
| 52 | 52 PCB-58 | 7.90e5 | 0.74 | NO | 1.11 | 1.000 | 34.74 | 34.72 | 0.982 | 0.982 | NO | 51.95 | 104 | 0.0211 | 51.95 |
| 53 | 53 PCB-63 | 7.39e5 | 0.74 | NO | 0.962 | 1.000 | 34.88 | 34.89 | 0.986 | 0.986 | NO | 56.19 | 112 | 0.0243 | 56.19 |
| 54 | 54 PCB-74 | 7.95e5 | 0.74 | NO | 1.07 | 1.000 | 35.17 | 35.19 | 0.994 | 0.995 | NO | 54.54 | 109 | 0.0220 | 54.54 |
| 55 | 55 PCB-61/70 | 1.48e6 | 0.73 | NO | 0.986 | 1.000 | 35.39 | 35.31 | 1.000 | 0.998 | NO | 110.1 | 110 | 0.0238 | 110.1 |
| 56 | 56 PCB-76/66 | 1.61e6 | 0.73 | NO | 1.07 | 1.000 | 35.55 | 35.56 | 1.005 | 1.005 | NO | 110.3 | 110 | 0.0220 | 110.3 |
| 57 | 57 PCB-80 | 8.42e5 | 0.72 | NO | 1.08 | 1.000 | 35.84 | 35.84 | 1.001 | 1.000 | NO | 55.07 | 110 | 0.0209 | 55.07 |
| 58 | 58 PCB-55 | 8.30e5 | 0.74 | NO | 1.07 | 1.000 | 36.16 | 36.15 | 1.010 | 1.009 | NO | 55.02 | 110 | 0.0212 | 55.02 |
| 59 | 59 PCB-56/60 | 1.45e6 | 0.74 | NO | 0.934 | 1.000 | 36.66 | 36.67 | 1.024 | 1.024 | NO | 110.0 | 110 | 0.0242 | 110.0 |
| 60 | 60 PCB-79 | 8.21e5 | 0.75 | NO | 1.04 | 1.000 | 37.78 | 37.77 | 1.055 | 1.055 | NO | 55.67 | 111 | 0.0216 | 55.67 |
| 61 | 61 PCB-78 | 7.85e5 | 0.74 | NO | 1.03 | 1.000 | 38.50 | 38.50 | 0.987 | 0.987 | NO | 55.10 | 110 | 0.0237 | 55.10 |
| 62 | 62 PCB-81 | 7.03e5 | 0.75 | NO | 0.933 | 1.000 | 39.04 | 39.04 | 1.000 | 1.000 | NO | 54.55 | 109 | 0.0263 | 54.55 |
| 63 | 63 PCB-77 | 7.82e5 | 0.74 | NO | 1.03 | 1.000 | 39.65 | 39.65 | 1.000 | 1.000 | NO | 56.05 | 112 | 0.0236 | 56.05 |
| 64 | 64 PCB-104 | 5.61e5 | 1.55 | NO | 0.995 | 1.000 | 32.43 | 32.43 | 1.001 | 1.001 | NO | 54.25 | 108 | 0.0161 | 54.24 |
| 65 | 65 PCB-96 | 5.62e5 | 1.54 | NO | 0.996 | 1.000 | 33.72 | 33.73 | 1.041 | 1.041 | NO | 54.33 | 109 | 0.0161 | 54.33 |
| 66 | 66 PCB-103 | 4.41e5 | 1.54 | NO | 0.774 | 1.000 | 34.29 | 34.29 | 1.058 | 1.058 | NO | 54.81 | 110 | 0.0207 | 54.81 |
| 67 | 67 PCB-100 | 4.42e5 | 1.54 | NO | 0.778 | 1.000 | 34.66 | 34.66 | 1.069 | 1.069 | NO | 54.66 | 109 | 0.0206 | 54.66 |
| 68 | 68 PCB-94 | 3.48e5 | 1.55 | NO | 0.773 | 1.000 | 35.17 | 35.15 | 0.985 | 0.985 | NO | 56.59 | 113 | 0.0273 | 56.59 |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-1.qld

Last Altered: Friday, October 11, 2019 17:53:57 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:17:23 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc | %Rec | DL | EMPC |
|-----|-------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|--------|-------|
| 69 | 69 PCB-95/98/102 | 1.33e6 | 1.51 | NO | 1.01 | 1.000 | 35.64 | 35.63 | 0.999 | 0.998 | NO | 164.5 | 110 | 0.0208 | 164.5 |
| 70 | 70 PCB-93 | 3.74e5 | 1.56 | NO | 0.841 | 1.000 | 35.77 | 35.78 | 1.002 | 1.003 | NO | 55.86 | 112 | 0.0251 | 55.86 |
| 71 | 71 PCB-88/91 | 7.60e5 | 1.50 | NO | 0.890 | 1.000 | 36.12 | 36.12 | 1.012 | 1.012 | NO | 107.3 | 107 | 0.0238 | 107.3 |
| 72 | 72 PCB-121 | 6.42e5 | 1.53 | NO | 1.39 | 1.000 | 36.21 | 36.21 | 1.015 | 1.015 | NO | 58.22 | 116 | 0.0153 | 58.22 |
| 73 | 73 PCB-84/92 | 7.48e5 | 1.51 | NO | 0.879 | 1.000 | 37.07 | 37.06 | 0.990 | 0.990 | NO | 112.0 | 112 | 0.0255 | 112.0 |
| 74 | 74 PCB-89 | 4.11e5 | 1.55 | NO | 0.959 | 1.000 | 37.28 | 37.25 | 0.996 | 0.995 | NO | 56.30 | 113 | 0.0234 | 56.30 |
| 75 | 75 PCB-90/101 | 8.12e5 | 1.52 | NO | 0.944 | 1.000 | 37.46 | 37.44 | 1.000 | 1.000 | NO | 113.1 | 113 | 0.0238 | 113.1 |
| 76 | 76 PCB-113 | 5.27e5 | 1.51 | NO | 1.23 | 1.000 | 37.70 | 37.70 | 1.007 | 1.007 | NO | 56.32 | 113 | 0.0182 | 56.32 |
| 77 | 77 PCB-99 | 4.95e5 | 1.54 | NO | 1.12 | 1.000 | 37.80 | 37.79 | 1.010 | 1.009 | NO | 58.11 | 116 | 0.0200 | 58.11 |
| 78 | 78 PCB-119 | 5.62e5 | 1.57 | NO | 1.47 | 1.000 | 38.27 | 38.26 | 0.987 | 0.987 | NO | 56.36 | 113 | 0.0169 | 56.36 |
| 79 | 79 PCB-108/112 | 9.56e5 | 1.54 | NO | 1.25 | 1.000 | 38.43 | 38.42 | 0.991 | 0.991 | NO | 113.0 | 113 | 0.0200 | 113.0 |
| 80 | 80 PCB-83 | 5.88e5 | 1.54 | NO | 1.55 | 1.000 | 38.60 | 38.59 | 0.996 | 0.995 | NO | 56.13 | 112 | 0.0161 | 56.13 |
| 81 | 81 PCB-97 | 4.09e5 | 1.51 | NO | 1.07 | 1.000 | 38.82 | 38.80 | 1.001 | 1.000 | NO | 56.18 | 112 | 0.0232 | 56.18 |
| 82 | 82 PCB-86 | 3.55e5 | 1.49 | NO | 0.996 | 1.000 | 38.96 | 38.94 | 1.005 | 1.004 | NO | 52.61 | 105 | 0.0250 | 52.60 |
| 83 | 83 PCB-87/117/125 | 1.57e6 | 1.51 | NO | 1.33 | 1.000 | 39.07 | 39.08 | 1.008 | 1.008 | NO | 173.8 | 116 | 0.0187 | 173.8 |
| 84 | 84 PCB-111/115 | 1.18e6 | 1.51 | NO | 1.60 | 1.000 | 39.24 | 39.24 | 1.012 | 1.012 | NO | 108.7 | 109 | 0.0156 | 108.7 |
| 85 | 85 PCB-85/116 | 9.58e5 | 1.51 | NO | 1.22 | 1.000 | 39.36 | 39.35 | 1.015 | 1.015 | NO | 116.3 | 116 | 0.0205 | 116.3 |
| 86 | 86 PCB-120 | 6.41e5 | 1.52 | NO | 1.68 | 1.000 | 39.63 | 39.63 | 1.022 | 1.022 | NO | 56.27 | 113 | 0.0148 | 56.27 |
| 87 | 87 PCB-110 | 5.82e5 | 1.54 | NO | 1.49 | 1.000 | 39.77 | 39.76 | 1.026 | 1.025 | NO | 57.87 | 116 | 0.0168 | 57.87 |
| 88 | 88 PCB-82 | 3.46e5 | 1.54 | NO | 0.674 | 1.000 | 40.39 | 40.41 | 0.975 | 0.976 | NO | 56.52 | 113 | 0.0278 | 56.52 |
| 89 | 89 PCB-124 | 5.82e5 | 1.53 | NO | 1.16 | 1.000 | 41.13 | 41.12 | 0.993 | 0.993 | NO | 55.09 | 110 | 0.0161 | 55.09 |
| 90 | 90 PCB-107/109 | 1.17e6 | 1.57 | NO | 1.17 | 1.000 | 41.27 | 41.27 | 0.996 | 0.996 | NO | 110.3 | 110 | 0.0161 | 110.3 |
| 91 | 91 PCB-123 | 5.26e5 | 1.56 | NO | 1.04 | 1.000 | 41.44 | 41.44 | 1.000 | 1.000 | NO | 55.61 | 111 | 0.0180 | 55.61 |
| 92 | 92 PCB-106/118 | 1.12e6 | 1.56 | NO | 1.07 | 1.000 | 41.64 | 41.66 | 1.001 | 1.001 | NO | 111.0 | 111 | 0.0167 | 111.0 |
| 93 | 93 PCB-114 | 7.78e5 | 1.59 | NO | 1.16 | 1.000 | 42.30 | 42.30 | 1.000 | 1.000 | NO | 51.83 | 104 | 0.0271 | 51.83 |
| 94 | 94 PCB-122 | 6.87e5 | 1.60 | NO | 0.973 | 1.000 | 42.43 | 42.45 | 1.003 | 1.004 | NO | 54.66 | 109 | 0.0324 | 54.66 |
| 95 | 95 PCB-105 | 7.46e5 | 1.59 | NO | 1.10 | 1.000 | 43.19 | 43.19 | 1.000 | 1.000 | NO | 51.62 | 103 | 0.0283 | 51.62 |
| 96 | 96 PCB-127 | 7.97e5 | 1.61 | NO | 1.11 | 1.000 | 43.55 | 43.55 | 1.000 | 1.000 | NO | 52.53 | 105 | 0.0277 | 52.53 |
| 97 | 97 PCB-126 | 8.12e5 | 1.58 | NO | 1.21 | 1.000 | 45.50 | 45.50 | 1.000 | 1.000 | NO | 52.57 | 105 | 0.0271 | 52.57 |
| 98 | 98 PCB-155 | 3.23e5 | 1.28 | NO | 0.874 | 1.000 | 36.97 | 36.97 | 1.000 | 1.000 | NO | 57.08 | 114 | 0.0152 | 57.08 |
| 99 | 99 PCB-150 | 3.43e5 | 1.27 | NO | 0.881 | 1.000 | 38.27 | 38.27 | 1.036 | 1.036 | NO | 60.19 | 120 | 0.0151 | 60.19 |
| 100 | 1... PCB-152 | 3.85e5 | 1.27 | NO | 1.00 | 1.000 | 38.76 | 38.76 | 1.049 | 1.049 | NO | 59.16 | 118 | 0.0132 | 59.16 |
| 101 | 1... PCB-145 | 3.76e5 | 1.28 | NO | 1.00 | 1.000 | 39.20 | 39.22 | 1.061 | 1.061 | NO | 58.13 | 116 | 0.0133 | 58.13 |
| 102 | 1... PCB-136 | 3.19e5 | 1.25 | NO | 0.843 | 1.000 | 39.56 | 39.56 | 1.071 | 1.071 | NO | 58.39 | 117 | 0.0157 | 58.39 |
| 103 | 1... PCB-148 | 2.65e5 | 1.29 | NO | 0.693 | 1.000 | 39.67 | 39.67 | 1.073 | 1.074 | NO | 58.94 | 118 | 0.0191 | 58.94 |
| 104 | 1... PCB-154 | 2.81e5 | 1.24 | NO | 0.724 | 1.000 | 40.16 | 40.19 | 1.087 | 1.088 | NO | 59.88 | 120 | 0.0183 | 59.88 |

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-1.qld

Last Altered: Friday, October 11, 2019 17:53:57 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:17:23 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|----------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|--------|-------|
| 105 | 1... PCB-151 | 2.38e5 | 1.27 | NO | 0.632 | 1.000 | 40.83 | 40.84 | 1.105 | 1.105 | NO | 58.17 | 116 | 0.0210 | 58.17 |
| 106 | 1... PCB-135 | 2.66e5 | 1.26 | NO | 0.716 | 1.000 | 41.06 | 41.07 | 1.111 | 1.111 | NO | 57.48 | 115 | 0.0185 | 57.48 |
| 107 | 1... PCB-144 | 2.55e5 | 1.30 | NO | 0.667 | 1.000 | 41.16 | 41.18 | 1.114 | 1.114 | NO | 59.05 | 118 | 0.0199 | 59.05 |
| 108 | 1... PCB-147 | 2.49e5 | 1.29 | NO | 0.661 | 1.000 | 41.28 | 41.31 | 1.117 | 1.118 | NO | 58.15 | 116 | 0.0201 | 58.15 |
| 109 | 1... PCB-139/149 | 5.68e5 | 1.27 | NO | 0.738 | 1.000 | 41.57 | 41.59 | 1.125 | 1.125 | NO | 118.8 | 119 | 0.0180 | 118.8 |
| 110 | 1... PCB-140 | 2.40e5 | 1.27 | NO | 0.627 | 1.000 | 41.76 | 41.77 | 1.130 | 1.130 | NO | 59.05 | 118 | 0.0212 | 59.05 |
| 111 | 1... PCB-134/143 | 8.39e5 | 1.19 | NO | 0.733 | 1.000 | 42.25 | 42.22 | 0.975 | 0.974 | NO | 107.9 | 108 | 0.0404 | 107.9 |
| 112 | 1... PCB-131/133 | 9.06e5 | 1.20 | NO | 0.790 | 1.000 | 42.54 | 42.55 | 0.982 | 0.982 | NO | 108.2 | 108 | 0.0375 | 108.2 |
| 113 | 1... PCB-142 | 4.10e5 | 1.22 | NO | 0.708 | 1.000 | 42.69 | 42.70 | 0.985 | 0.985 | NO | 54.62 | 109 | 0.0418 | 54.62 |
| 114 | 1... PCB-146/165 | 1.09e6 | 1.21 | NO | 0.959 | 1.000 | 42.94 | 42.94 | 0.991 | 0.991 | NO | 107.1 | 107 | 0.0309 | 107.1 |
| 115 | 1... PCB-132/161 | 1.09e6 | 1.20 | NO | 0.974 | 1.000 | 43.18 | 43.17 | 0.996 | 0.996 | NO | 105.7 | 106 | 0.0304 | 105.7 |
| 116 | 1... PCB-153 | 5.65e5 | 1.20 | NO | 1.01 | 1.000 | 43.36 | 43.36 | 1.000 | 1.000 | NO | 52.70 | 105 | 0.0293 | 52.70 |
| 117 | 1... PCB-168 | 5.79e5 | 1.20 | NO | 1.02 | 1.000 | 43.59 | 43.59 | 1.006 | 1.006 | NO | 53.56 | 107 | 0.0291 | 53.56 |
| 118 | 1... PCB-141 | 4.48e5 | 1.19 | NO | 0.967 | 1.000 | 44.12 | 44.12 | 1.000 | 1.000 | NO | 51.68 | 103 | 0.0370 | 51.67 |
| 119 | 1... PCB-137 | 4.77e5 | 1.20 | NO | 0.987 | 1.000 | 44.50 | 44.52 | 1.009 | 1.010 | NO | 53.95 | 108 | 0.0362 | 53.95 |
| 120 | 1... PCB-130 | 3.94e5 | 1.24 | NO | 0.840 | 1.000 | 44.61 | 44.63 | 1.012 | 1.012 | NO | 52.39 | 105 | 0.0425 | 52.39 |
| 121 | 1... PCB-138/163/164 | 1.81e6 | 1.20 | NO | 1.23 | 1.000 | 45.01 | 45.01 | 1.001 | 1.001 | NO | 158.3 | 106 | 0.0280 | 158.3 |
| 122 | 1... PCB-158/160 | 1.16e6 | 1.19 | NO | 1.18 | 1.000 | 45.26 | 45.26 | 1.006 | 1.006 | NO | 105.5 | 105 | 0.0291 | 105.5 |
| 123 | 1... PCB-129 | 3.91e5 | 1.21 | NO | 0.819 | 1.000 | 45.50 | 45.50 | 1.012 | 1.012 | NO | 51.27 | 103 | 0.0418 | 51.27 |
| 124 | 1... PCB-166 | 6.35e5 | 1.17 | NO | 1.07 | 1.000 | 45.98 | 45.97 | 0.993 | 0.993 | NO | 52.30 | 105 | 0.0265 | 52.31 |
| 125 | 1... PCB-159 | 6.65e5 | 1.18 | NO | 1.12 | 1.000 | 46.32 | 46.32 | 1.000 | 1.000 | NO | 52.37 | 105 | 0.0253 | 52.37 |
| 126 | 1... PCB-128/162 | 1.04e6 | 1.18 | NO | 0.851 | 1.000 | 46.60 | 46.62 | 1.007 | 1.007 | NO | 107.5 | 108 | 0.0333 | 107.5 |
| 127 | 1... PCB-167 | 6.28e5 | 1.18 | NO | 1.04 | 1.000 | 47.02 | 47.02 | 1.000 | 1.000 | NO | 53.11 | 106 | 0.0271 | 53.11 |
| 128 | 1... PCB-156 | 6.22e5 | 1.20 | NO | 1.06 | 1.000 | 48.34 | 48.34 | 1.000 | 1.000 | NO | 53.39 | 107 | 0.0278 | 53.39 |
| 129 | 1... PCB-157 | 5.73e5 | 1.21 | NO | 0.978 | 1.000 | 48.65 | 48.63 | 1.001 | 1.000 | NO | 52.68 | 105 | 0.0297 | 52.68 |
| 130 | 1... PCB-169 | 6.39e5 | 1.21 | NO | 1.11 | 1.000 | 50.90 | 50.90 | 1.000 | 1.000 | NO | 52.33 | 105 | 0.0271 | 52.33 |
| 131 | 1... PCB-188 | 5.47e5 | 1.03 | NO | 1.19 | 1.000 | 43.00 | 42.98 | 1.001 | 1.000 | NO | 53.12 | 106 | 0.0252 | 53.12 |
| 132 | 1... PCB-184 | 5.36e5 | 1.04 | NO | 1.17 | 1.000 | 43.44 | 43.44 | 1.011 | 1.011 | NO | 53.29 | 107 | 0.0258 | 53.29 |
| 133 | 1... PCB-179 | 5.53e5 | 1.03 | NO | 1.18 | 1.000 | 44.25 | 44.25 | 1.030 | 1.030 | NO | 54.55 | 109 | 0.0256 | 54.55 |
| 134 | 1... PCB-176 | 5.67e5 | 1.02 | NO | 1.16 | 1.000 | 44.72 | 44.72 | 1.041 | 1.041 | NO | 56.70 | 113 | 0.0259 | 56.70 |
| 135 | 1... PCB-186 | 6.05e5 | 1.03 | NO | 1.22 | 1.000 | 45.33 | 45.35 | 1.055 | 1.056 | NO | 57.61 | 115 | 0.0247 | 57.61 |
| 136 | 1... PCB-178 | 4.05e5 | 1.04 | NO | 0.830 | 1.000 | 45.84 | 45.86 | 1.067 | 1.067 | NO | 56.50 | 113 | 0.0362 | 56.50 |
| 137 | 1... PCB-175 | 4.09e5 | 1.04 | NO | 0.849 | 1.000 | 46.20 | 46.22 | 1.075 | 1.076 | NO | 55.94 | 112 | 0.0354 | 55.94 |
| 138 | 1... PCB-182/187 | 9.32e5 | 1.04 | NO | 0.960 | 1.000 | 46.40 | 46.39 | 1.080 | 1.080 | NO | 112.5 | 113 | 0.0313 | 112.5 |
| 139 | 1... PCB-183 | 4.53e5 | 1.04 | NO | 0.957 | 1.000 | 46.73 | 46.73 | 1.088 | 1.088 | NO | 54.94 | 110 | 0.0314 | 54.94 |
| 140 | 1... PCB-185 | 4.06e5 | 1.05 | NO | 1.32 | 1.000 | 47.41 | 47.40 | 0.955 | 0.955 | NO | 54.03 | 108 | 0.0348 | 54.03 |

Handwritten notes: 75/127 (circled), a vertical line, and a checkmark at the bottom.

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-1.qld

Last Altered: Friday, October 11, 2019 17:53:57 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:17:23 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|--------|-------|
| 141 | 1... PCB-174 | 3.91e5 | 1.02 | NO | 1.22 | 1.000 | 47.78 | 47.78 | 0.962 | 0.962 | NO | 56.38 | 113 | 0.0377 | 56.38 |
| 142 | 1... PCB-181 | 4.27e5 | 1.02 | NO | 1.41 | 1.000 | 47.88 | 47.89 | 0.964 | 0.965 | NO | 53.05 | 106 | 0.0325 | 53.05 |
| 143 | 1... PCB-177 | 3.67e5 | 1.02 | NO | 1.24 | 1.000 | 48.06 | 48.06 | 0.968 | 0.968 | NO | 52.03 | 104 | 0.0371 | 52.03 |
| 144 | 1... PCB-171 | 3.71e5 | 1.03 | NO | 1.24 | 1.000 | 48.35 | 48.36 | 0.974 | 0.974 | NO | 52.41 | 105 | 0.0370 | 52.41 |
| 145 | 1... PCB-173 | 3.40e5 | 1.02 | NO | 1.14 | 1.000 | 48.79 | 48.80 | 0.983 | 0.983 | NO | 52.33 | 105 | 0.0403 | 52.33 |
| 146 | 1... PCB-172 | 3.89e5 | 1.01 | NO | 1.31 | 1.000 | 49.27 | 49.27 | 0.992 | 0.992 | NO | 52.27 | 105 | 0.0352 | 52.27 |
| 147 | 1... PCB-192 | 5.23e5 | 1.04 | NO | 1.70 | 1.000 | 49.46 | 49.46 | 0.996 | 0.996 | NO | 54.06 | 108 | 0.0270 | 54.06 |
| 148 | 1... PCB-180 | 4.04e5 | 1.04 | NO | 1.32 | 1.000 | 49.67 | 49.67 | 1.000 | 1.000 | NO | 53.79 | 108 | 0.0348 | 53.80 |
| 149 | 1... PCB-193 | 4.75e5 | 1.02 | NO | 1.54 | 1.000 | 49.90 | 49.90 | 1.005 | 1.005 | NO | 54.19 | 108 | 0.0299 | 54.19 |
| 150 | 1... PCB-191 | 4.82e5 | 1.03 | NO | 1.57 | 1.000 | 50.14 | 50.16 | 1.010 | 1.010 | NO | 53.80 | 108 | 0.0292 | 53.80 |
| 151 | 1... PCB-170 | 3.61e5 | 1.02 | NO | 1.36 | 1.000 | 51.34 | 51.34 | 1.000 | 1.000 | NO | 51.57 | 103 | 0.0370 | 51.57 |
| 152 | 1... PCB-190 | 4.89e5 | 1.05 | NO | 1.84 | 1.000 | 51.52 | 51.54 | 1.004 | 1.004 | NO | 51.54 | 103 | 0.0274 | 51.54 |
| 153 | 1... PCB-189 | 5.20e5 | 1.04 | NO | 1.33 | 1.000 | 53.08 | 53.08 | 1.000 | 1.000 | NO | 56.48 | 113 | 0.0250 | 56.48 |
| 154 | 1... PCB-202 | 3.69e5 | 0.91 | NO | 1.02 | 1.000 | 48.59 | 48.57 | 1.001 | 1.000 | NO | 55.44 | 111 | 0.0240 | 55.44 |
| 155 | 1... PCB-201 | 3.29e5 | 0.88 | NO | 0.915 | 1.000 | 49.08 | 49.06 | 1.011 | 1.010 | NO | 55.28 | 111 | 0.0269 | 55.28 |
| 156 | 1... PCB-204 | 3.68e5 | 0.90 | NO | 0.979 | 1.000 | 49.22 | 49.23 | 1.014 | 1.014 | NO | 57.81 | 116 | 0.0251 | 57.81 |
| 157 | 1... PCB-197 | 3.57e5 | 0.89 | NO | 0.979 | 1.000 | 49.54 | 49.54 | 1.020 | 1.020 | NO | 56.15 | 112 | 0.0251 | 56.15 |
| 158 | 1... PCB-200 | 3.49e5 | 0.89 | NO | 0.954 | 1.000 | 50.49 | 50.47 | 1.040 | 1.039 | NO | 56.30 | 113 | 0.0258 | 56.30 |
| 159 | 1... PCB-198 | 2.69e5 | 0.91 | NO | 0.748 | 1.000 | 52.04 | 52.06 | 1.072 | 1.072 | NO | 55.35 | 111 | 0.0329 | 55.35 |
| 160 | 1... PCB-199 | 2.68e5 | 0.89 | NO | 0.706 | 1.000 | 52.16 | 52.17 | 1.074 | 1.074 | NO | 58.41 | 117 | 0.0348 | 58.41 |
| 161 | 1... PCB-196/203 | 5.57e5 | 0.89 | NO | 0.785 | 1.000 | 52.47 | 52.49 | 1.081 | 1.081 | NO | 109.3 | 109 | 0.0313 | 109.3 |
| 162 | 1... PCB-195 | 4.52e5 | 0.91 | NO | 1.03 | 1.000 | 53.80 | 53.78 | 0.984 | 0.983 | NO | 49.57 | 99.1 | 0.0191 | 49.57 |
| 163 | 1... PCB-194 | 5.15e5 | 0.90 | NO | 1.16 | 1.000 | 54.72 | 54.72 | 1.000 | 1.000 | NO | 50.41 | 101 | 0.0171 | 50.41 |
| 164 | 1... PCB-205 | 6.60e5 | 0.89 | NO | 1.40 | 1.000 | 54.98 | 54.98 | 1.005 | 1.005 | NO | 53.40 | 107 | 0.0141 | 53.40 |
| 165 | 1... PCB-208 | 4.60e5 | 1.29 | NO | 0.934 | 1.000 | 53.94 | 53.94 | 1.000 | 1.000 | NO | 50.23 | 100 | 0.0246 | 50.23 |
| 166 | 1... PCB-207 | 4.64e5 | 1.30 | NO | 0.912 | 1.000 | 54.26 | 54.28 | 1.006 | 1.007 | NO | 51.86 | 104 | 0.0252 | 51.86 |
| 167 | 1... PCB-206 | 3.82e5 | 1.31 | NO | 0.987 | 1.000 | 56.24 | 56.24 | 1.000 | 1.000 | NO | 51.24 | 102 | 0.0293 | 51.24 |
| 168 | 1... PCB-209 | 3.68e5 | 1.19 | NO | 0.943 | 1.000 | 57.47 | 57.48 | 1.000 | 1.000 | NO | 52.45 | 105 | 0.0104 | 52.45 |
| 169 | 1... 13C-PCB-1 | 1.91e6 | 3.29 | NO | 1.08 | 1.000 | 15.51 | 15.49 | 0.608 | 0.608 | NO | 77.41 | 77.4 | 0.0514 | |
| 170 | 1... 13C-PCB-3 | 1.93e6 | 3.13 | NO | 1.09 | 1.000 | 18.15 | 18.13 | 0.712 | 0.711 | NO | 77.44 | 77.4 | 0.0508 | |
| 171 | 1... 13C-PCB-4 | 1.43e6 | 1.59 | NO | 0.640 | 1.000 | 19.51 | 19.49 | 0.765 | 0.765 | NO | 97.70 | 97.7 | 0.0329 | |
| 172 | 1... 13C-PCB-9 | 2.20e6 | 1.58 | NO | 0.995 | 1.000 | 21.33 | 21.31 | 0.837 | 0.836 | NO | 96.64 | 96.6 | 0.0212 | |
| 173 | 1... 13C-PCB-11 | 2.22e6 | 1.58 | NO | 0.971 | 1.000 | 24.78 | 24.77 | 0.972 | 0.972 | NO | 99.98 | 100 | 0.0217 | |
| 174 | 1... 13C-PCB-19 | 1.08e6 | 0.98 | NO | 0.637 | 1.000 | 23.74 | 23.72 | 0.931 | 0.930 | NO | 74.18 | 74.2 | 0.301 | |
| 175 | 1... 13C-PCB-32 | 1.58e6 | 0.99 | NO | 0.910 | 1.000 | 26.73 | 26.72 | 1.048 | 1.048 | NO | 75.90 | 75.9 | 0.211 | |
| 176 | 1... 13C-PCB-28 | 1.97e6 | 0.99 | NO | 1.07 | 1.000 | 28.74 | 28.73 | 1.004 | 1.003 | NO | 105.7 | 106 | 0.283 | |

75-1257

SP-149

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-1.qld

Last Altered: Friday, October 11, 2019 17:53:57 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:17:23 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|--------|------|
| 177 | 1... 13C-PCB-37 | 1.82e6 | 0.98 | NO | 0.959 | 1.000 | 32.72 | 32.73 | 1.143 | 1.143 | NO | 108.8 | 109 | 0.316 | |
| 178 | 1... 13C-PCB-54 | 1.44e6 | 0.77 | NO | 1.10 | 1.000 | 27.59 | 27.57 | 0.753 | 0.752 | NO | 95.81 | 95.8 | 0.0810 | |
| 179 | 1... 13C-PCB-52 | 1.14e6 | 0.75 | NO | 0.844 | 1.000 | 31.25 | 31.22 | 0.853 | 0.852 | NO | 98.84 | 98.8 | 0.105 | |
| 180 | 1... 13C-PCB-47 | 1.20e6 | 0.76 | NO | 0.893 | 1.000 | 31.77 | 31.74 | 0.867 | 0.866 | NO | 98.70 | 98.7 | 0.0996 | |
| 181 | 1... 13C-PCB-70 | 1.37e6 | 0.77 | NO | 1.01 | 1.000 | 35.39 | 35.37 | 0.965 | 0.965 | NO | 99.32 | 99.3 | 0.0883 | |
| 182 | 1... 13C-PCB-80 | 1.41e6 | 0.76 | NO | 1.05 | 1.000 | 35.82 | 35.82 | 0.977 | 0.977 | NO | 98.77 | 98.8 | 0.0851 | |
| 183 | 1... 13C-PCB-81 | 1.38e6 | 0.77 | NO | 0.985 | 1.000 | 39.02 | 39.02 | 1.064 | 1.064 | NO | 102.6 | 103 | 0.0904 | |
| 184 | 1... 13C-PCB-77 | 1.35e6 | 0.78 | NO | 0.958 | 1.000 | 39.63 | 39.63 | 1.081 | 1.081 | NO | 103.2 | 103 | 0.0929 | |
| 185 | 1... 13C-PCB-104 | 1.04e6 | 1.62 | NO | 1.10 | 1.000 | 32.43 | 32.41 | 0.827 | 0.826 | NO | 97.02 | 97.0 | 0.0286 | |
| 186 | 1... 13C-PCB-95 | 7.96e5 | 1.64 | NO | 0.852 | 1.000 | 35.68 | 35.69 | 0.910 | 0.910 | NO | 95.68 | 95.7 | 0.0368 | |
| 187 | 1... 13C-PCB-101 | 7.61e5 | 1.62 | NO | 0.814 | 1.000 | 37.43 | 37.44 | 0.954 | 0.955 | NO | 95.77 | 95.8 | 0.0385 | |
| 188 | 1... 13C-PCB-97 | 6.77e5 | 1.71 | NO | 0.709 | 1.000 | 38.78 | 38.78 | 0.989 | 0.989 | NO | 97.83 | 97.8 | 0.0442 | |
| 189 | 1... 13C-PCB-123 | 9.08e5 | 1.64 | NO | 0.922 | 1.000 | 41.42 | 41.42 | 1.056 | 1.056 | NO | 100.9 | 101 | 0.0340 | |
| 190 | 1... 13C-PCB-118 | 9.46e5 | 1.65 | NO | 0.975 | 1.000 | 41.60 | 41.60 | 1.061 | 1.061 | NO | 99.41 | 99.4 | 0.0321 | |
| 191 | 1... 13C-PCB-114 | 1.29e6 | 1.56 | NO | 1.52 | 1.000 | 42.29 | 42.28 | 0.908 | 0.908 | NO | 107.1 | 107 | 0.0366 | |
| 192 | 1... 13C-PCB-105 | 1.31e6 | 1.53 | NO | 1.58 | 1.000 | 43.18 | 43.17 | 0.927 | 0.927 | NO | 104.3 | 104 | 0.0351 | |
| 193 | 1... 13C-PCB-127 | 1.37e6 | 1.52 | NO | 1.62 | 1.000 | 43.52 | 43.53 | 0.934 | 0.934 | NO | 106.2 | 106 | 0.0343 | |
| 194 | 1... 13C-PCB-126 | 1.27e6 | 1.54 | NO | 1.45 | 1.000 | 45.49 | 45.48 | 0.976 | 0.976 | NO | 110.9 | 111 | 0.0384 | |
| 195 | 1... 13C-PCB-155 | 6.48e5 | 1.30 | NO | 1.03 | 1.000 | 36.97 | 36.95 | 0.943 | 0.942 | NO | 64.66 | 64.7 | 0.0119 | |
| 196 | 1... 13C-PCB-153 | 1.06e6 | 1.25 | NO | 1.42 | 1.000 | 43.35 | 43.34 | 0.931 | 0.930 | NO | 93.69 | 93.7 | 0.0393 | |
| 197 | 1... 13C-PCB-141 | 8.96e5 | 1.26 | NO | 1.14 | 1.000 | 44.10 | 44.10 | 0.947 | 0.947 | NO | 98.70 | 98.7 | 0.0489 | |
| 198 | 1... 13C-PCB-138 | 9.32e5 | 1.26 | NO | 1.18 | 1.000 | 44.98 | 44.97 | 0.966 | 0.965 | NO | 99.35 | 99.3 | 0.0474 | |
| 199 | 1... 13C-PCB-159 | 1.14e6 | 1.26 | NO | 1.43 | 1.000 | 46.29 | 46.30 | 0.994 | 0.994 | NO | 99.67 | 99.7 | 0.0390 | |
| 200 | 2... 13C-PCB-167 | 1.13e6 | 1.27 | NO | 1.42 | 1.000 | 47.01 | 47.00 | 1.009 | 1.009 | NO | 100.2 | 100 | 0.0393 | |
| 201 | 2... 13C-PCB-156 | 1.10e6 | 1.28 | NO | 1.40 | 1.000 | 48.31 | 48.33 | 1.037 | 1.037 | NO | 99.26 | 99.3 | 0.0400 | |
| 202 | 2... 13C-PCB-157 | 1.11e6 | 1.27 | NO | 1.41 | 1.000 | 48.61 | 48.61 | 1.044 | 1.043 | NO | 99.49 | 99.5 | 0.0397 | |
| 203 | 2... 13C-PCB-169 | 1.10e6 | 1.26 | NO | 1.35 | 1.000 | 50.88 | 50.88 | 1.092 | 1.092 | NO | 103.1 | 103 | 0.0415 | |
| 204 | 2... 13C-PCB-188 | 8.63e5 | 0.45 | NO | 1.46 | 1.000 | 42.98 | 42.96 | 0.927 | 0.926 | NO | 95.32 | 95.3 | 0.0403 | |
| 205 | 2... 13C-PCB-180 | 5.69e5 | 0.45 | NO | 0.932 | 1.000 | 49.65 | 49.65 | 1.070 | 1.070 | NO | 98.72 | 98.7 | 0.0632 | |
| 206 | 2... 13C-PCB-170 | 5.15e5 | 0.45 | NO | 0.796 | 1.000 | 51.31 | 51.32 | 1.106 | 1.106 | NO | 104.6 | 105 | 0.0740 | |
| 207 | 2... 13C-PCB-189 | 6.91e5 | 0.44 | NO | 1.09 | 1.000 | 53.03 | 53.06 | 1.143 | 1.144 | NO | 102.4 | 102 | 0.0540 | |
| 208 | 2... 13C-PCB-202 | 6.49e5 | 0.93 | NO | 1.45 | 1.000 | 48.54 | 48.55 | 1.042 | 1.042 | NO | 72.36 | 72.4 | 0.0250 | |
| 209 | 2... 13C-PCB-194 | 8.83e5 | 0.89 | NO | 0.714 | 1.000 | 54.71 | 54.70 | 0.995 | 0.995 | NO | 99.24 | 99.2 | 0.0480 | |
| 210 | 2... 13C-PCB-208 | 9.80e5 | 0.80 | NO | 0.896 | 1.000 | 53.97 | 53.93 | 0.982 | 0.981 | NO | 87.74 | 87.7 | 0.0337 | |
| 211 | 2... 13C-PCB-206 | 7.54e5 | 0.80 | NO | 0.653 | 1.000 | 56.22 | 56.23 | 1.023 | 1.023 | NO | 92.68 | 92.7 | 0.0463 | |
| 212 | 2... 13C-PCB-209 | 7.45e5 | 1.19 | NO | 0.806 | 1.000 | 57.48 | 57.47 | 1.045 | 1.045 | NO | 74.12 | 74.1 | 0.0117 | |

50145

4

Dataset: U:\VG11.PRO\Results\191011k1\191011K1-1.qld

Last Altered: Friday, October 11, 2019 17:53:57 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:17:23 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|--------|------|
| 213 | 2... 13C-PCB-15 | 2.29e6 | 1.58 | NO | 1.00 | 1.000 | 25.49 | 25.49 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0211 | |
| 214 | 2... 13C-PCB-31 | 1.75e6 | 0.97 | NO | 1.00 | 1.000 | 28.64 | 28.64 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.303 | |
| 215 | 2... 13C-PCB-60 | 1.37e6 | 0.77 | NO | 1.00 | 1.000 | 36.66 | 36.65 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0890 | |
| 216 | 2... 13C-PCB-111 | 9.76e5 | 1.58 | NO | 1.00 | 1.000 | 39.22 | 39.22 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0313 | |
| 217 | 2... 13C-PCB-128 | 7.95e5 | 1.25 | NO | 1.00 | 1.000 | 46.58 | 46.58 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0559 | |
| 218 | 2... 13C-PCB-182 | 6.19e5 | 0.46 | NO | 1.00 | 1.000 | 46.41 | 46.39 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0589 | |
| 219 | 2... 13C-PCB-205 | 1.25e6 | 0.90 | NO | 1.00 | 1.000 | 54.98 | 54.98 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0342 | |
| 220 | 2... 13C-PCB-79 | 1.42e6 | 0.77 | NO | 1.03 | 1.000 | 37.76 | 37.75 | 1.030 | 1.030 | NO | 100.7 | 101 | 0.0862 | |
| 221 | 2... 13C-PCB-178 | 5.69e5 | 0.45 | NO | 0.875 | 1.000 | 45.85 | 45.84 | 0.988 | 0.988 | NO | 81.84 | 81.8 | 0.0554 | |
| 222 | 2... 13C-PCB-79 | 1.42e6 | 0.77 | NO | 1.05 | 1.000 | 37.75 | 37.75 | 0.967 | 0.968 | NO | 98.39 | 98.4 | 0.0876 | |
| 223 | 2... 13C-PCB-178 | 5.69e5 | 0.45 | NO | 0.975 | 1.000 | 45.86 | 45.84 | 0.924 | 0.923 | NO | 102.5 | 102 | 0.0681 | |

751251
↓
47

Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:05:27 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Compound name: PCB-209

| | Name | ID | Acq.Date | Acq.Time |
|----|-------------|--|-----------|----------|
| 1 | 191011K1_1 | ST191011K1-1 PCB 209 CS3 19C1106 | 11-Oct-19 | 16:45:37 |
| 2 | 191011K1_2 | B9J0112-BS1 OPR 1 | 11-Oct-19 | 17:47:46 |
| 3 | 191011K1_3 | B9J0089-BS1 OPR 1 | 11-Oct-19 | 18:49:50 |
| 4 | 191011K1_4 | SOLVENT BLANK | 11-Oct-19 | 19:52:48 |
| 5 | 191011K1_5 | B9J0112-BLK1 Method Blank 1 | 11-Oct-19 | 20:54:51 |
| 6 | 191011K1_6 | B9J0089-BLK1 Method Blank 1 | 11-Oct-19 | 21:56:54 |
| 7 | 191011K1_7 | 1903216-03 OWS-FDBL-T190919144414 0.9... | 11-Oct-19 | 23:00:09 |
| 8 | 191011K1_8 | 1903216-01RE1 OWS-BAFA-T190917141943... | 12-Oct-19 | 00:03:09 |
| 9 | 191011K1_9 | 1903216-02RE1 OWS-BDUP-T190917142141... | 12-Oct-19 | 01:05:12 |
| 10 | 191011K1_10 | 1903216-04RE1 OWS-LHAL-T190919144223 ... | 12-Oct-19 | 02:08:25 |
| 11 | 191011K1_11 | 1903216-05RE1 OWS-LHPO-T190919144818... | 12-Oct-19 | 03:11:24 |

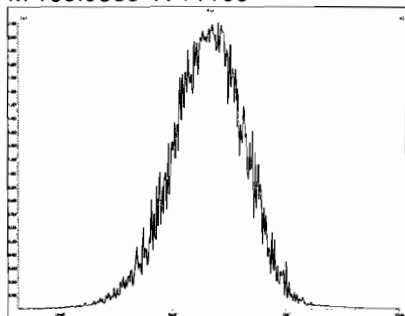
Experiment Calibration Report

MassLynx 4.1 SCN815

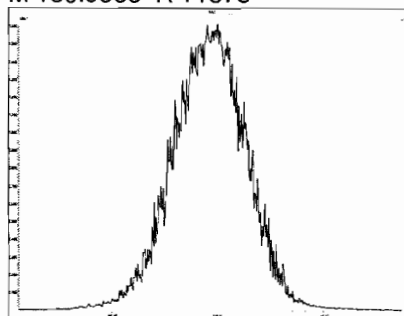
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, October 11, 2019 16:40:38 Pacific Daylight Time

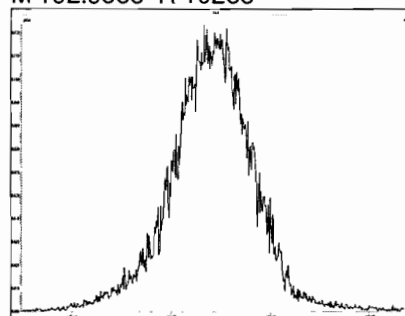
M 168.9888 R 11163



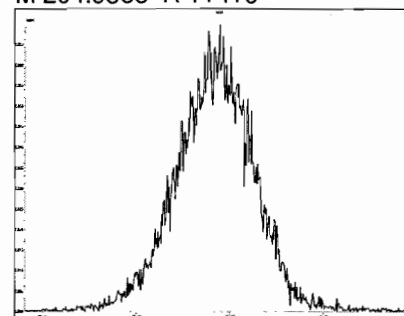
M 180.9888 R 11573



M 192.9888 R 10288



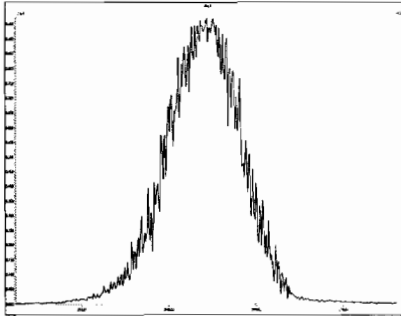
M 204.9888 R 11416



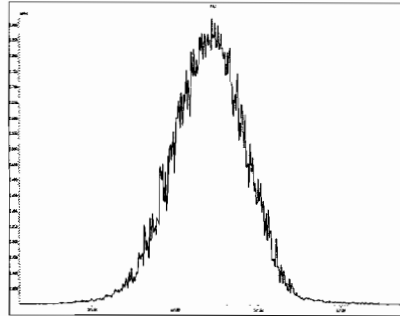
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, October 11, 2019 16:40:59 Pacific Daylight Time

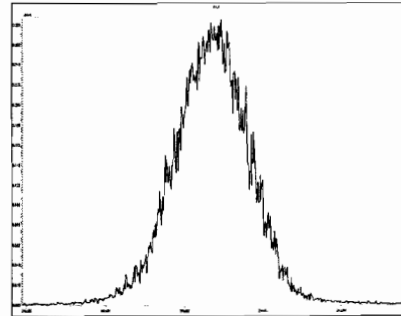
M 218.9856 R 11209



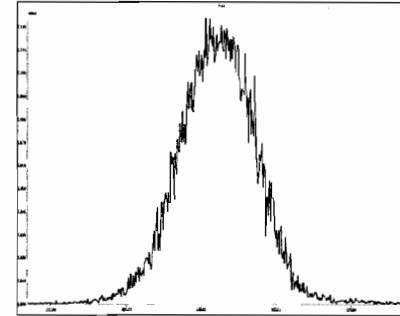
M 230.9856 R 11312



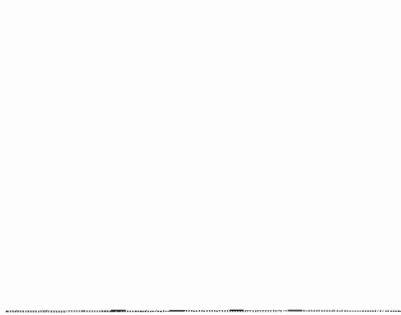
M 242.9856 R 11313



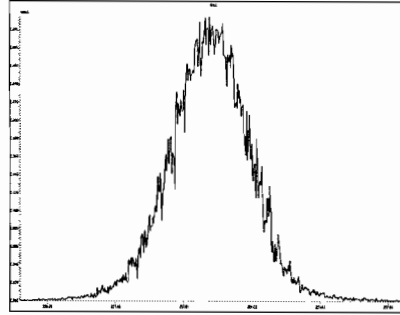
M 254.9856 R 11159



M 268.9824 R 10460



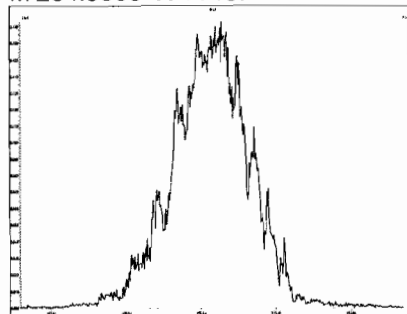
M 280.9824 R 10207



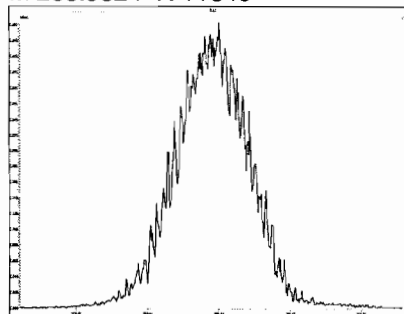
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, October 11, 2019 16:43:10 Pacific Daylight Time

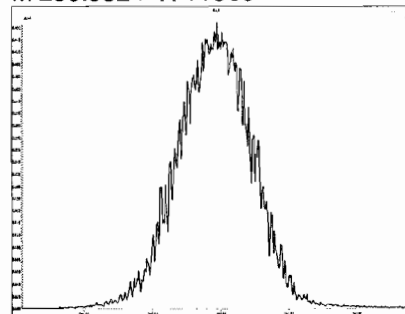
M 254.9856 R 11467



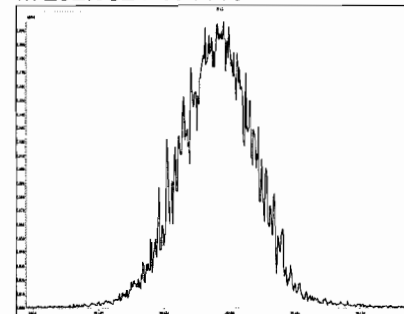
M 268.9824 R 11849



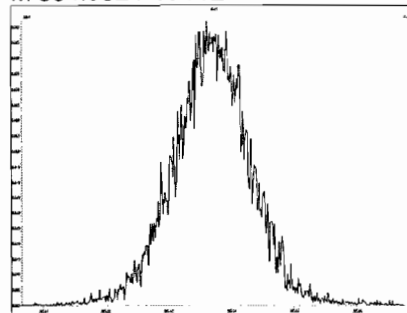
M 280.9824 R 11960



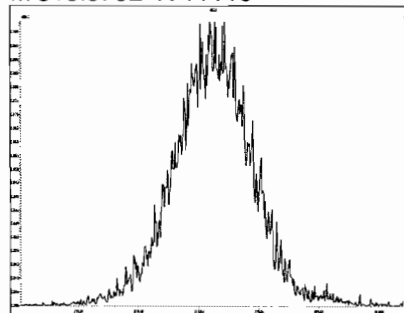
M 292.9824 R 11107



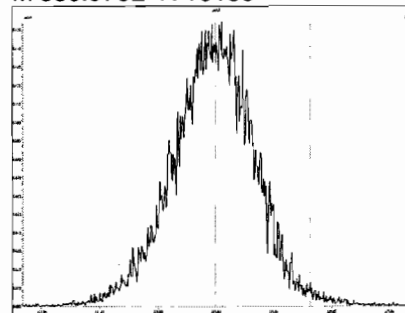
M 304.9824 R 11211



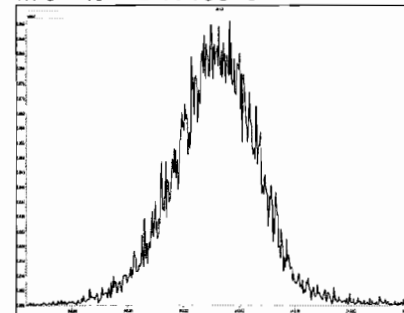
M 318.9792 R 11115



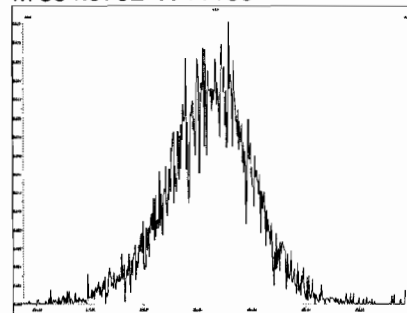
M 330.9792 R 10159



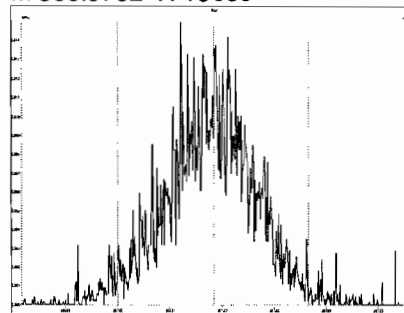
M 342.9792 R 10548



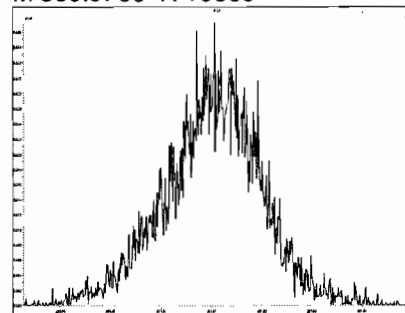
M 354.9792 R 11159



M 366.9792 R 10639



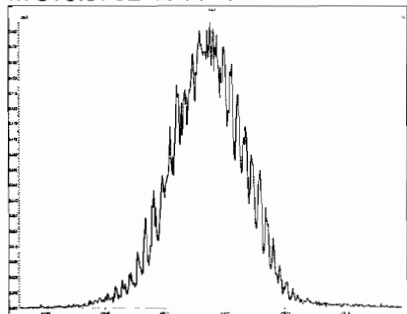
M 380.9760 R 10869



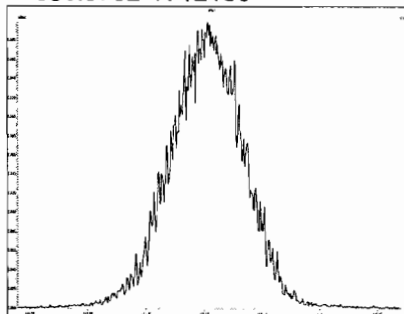
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, October 11, 2019 16:43:56 Pacific Daylight Time

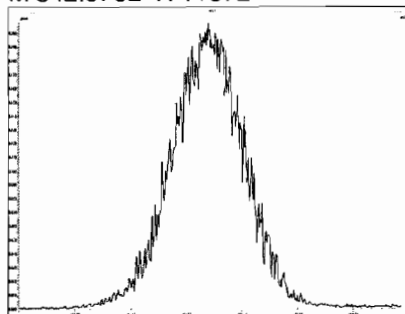
M 318.9792 R 11412



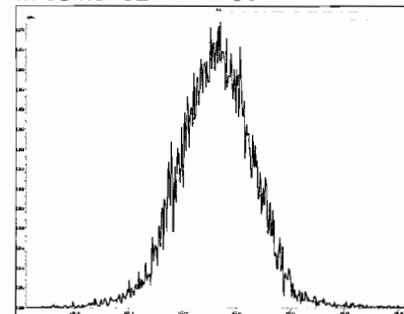
M 330.9792 R 12136



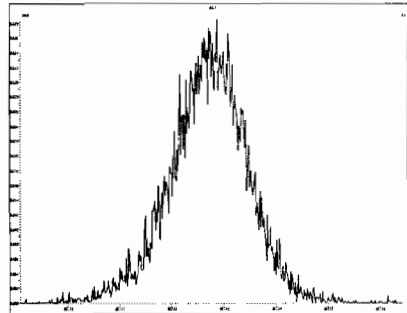
M 342.9792 R 11572



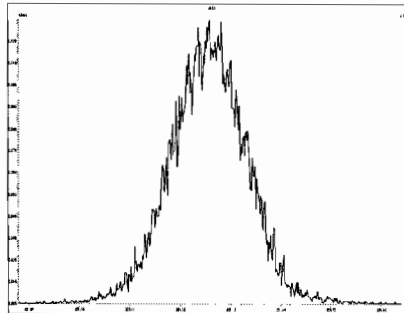
M 354.9792 R 12756



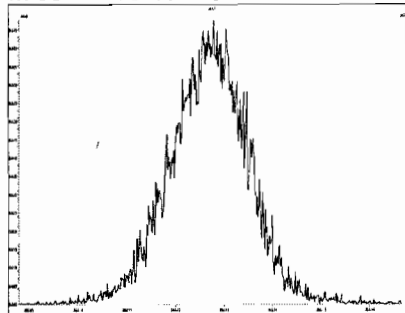
M 366.9792 R 11261



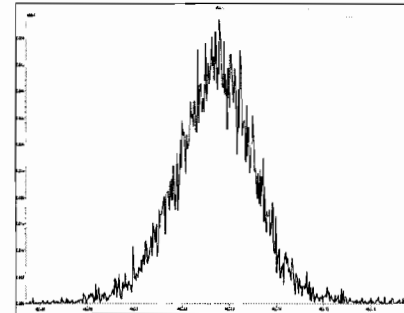
M 380.9760 R 11847



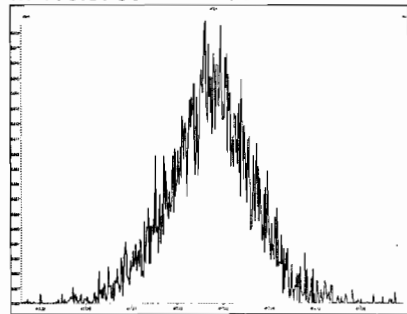
M 392.9760 R 10824



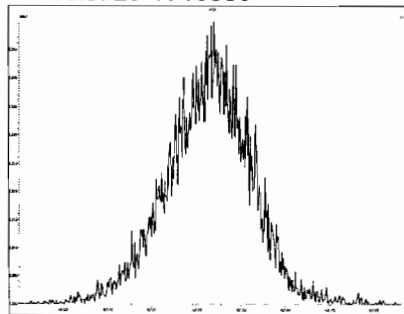
M 404.9760 R 11682



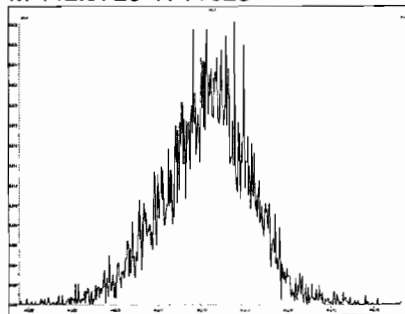
M 416.9760 R 11960



M 430.9728 R 10590



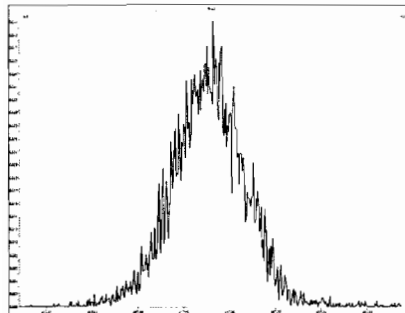
M 442.9728 R 11628



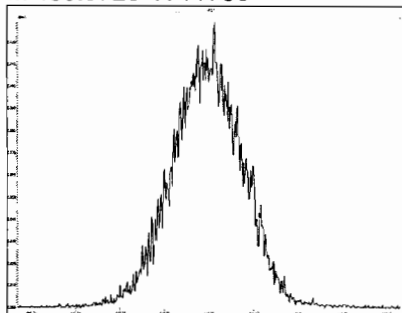
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, October 11, 2019 16:44:30 Pacific Daylight Time

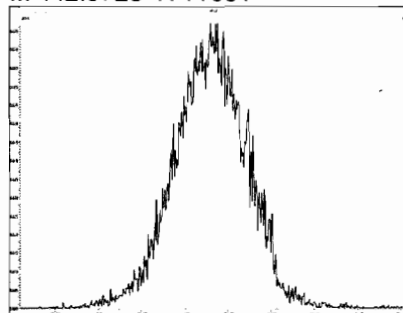
M 416.9760 R 12440



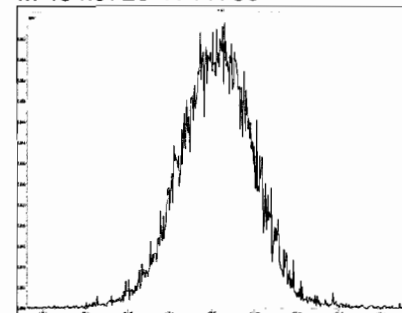
M 430.9728 R 11738



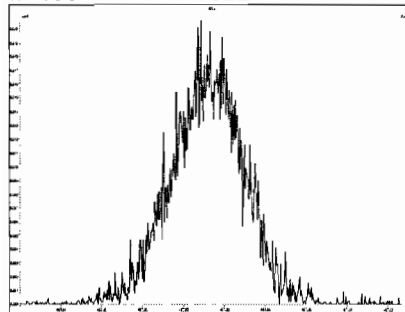
M 442.9728 R 11631



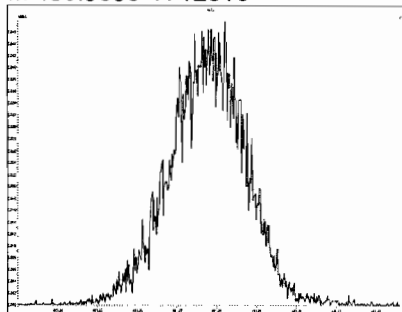
M 454.9728 R 11735



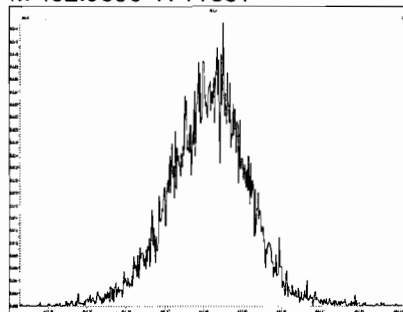
M 466.9728 R 13022



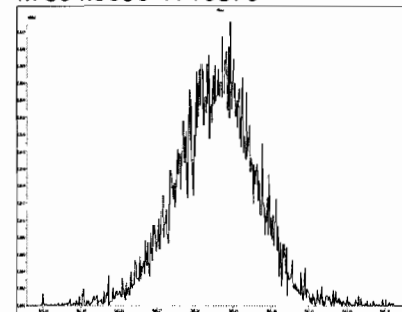
M 480.9696 R 12315



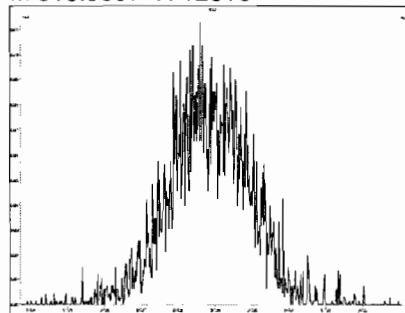
M 492.9696 R 11851



M 504.9696 R 10870



M 516.9697 R 12315



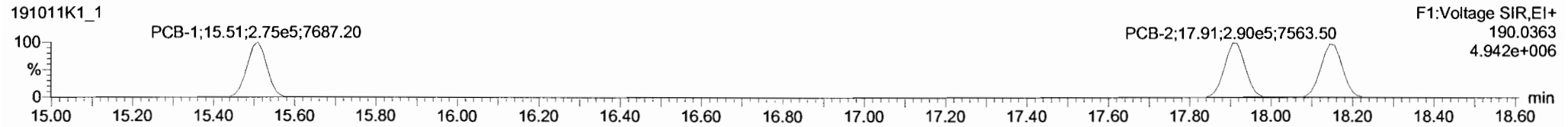
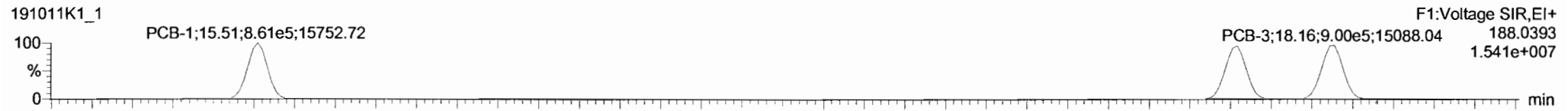
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

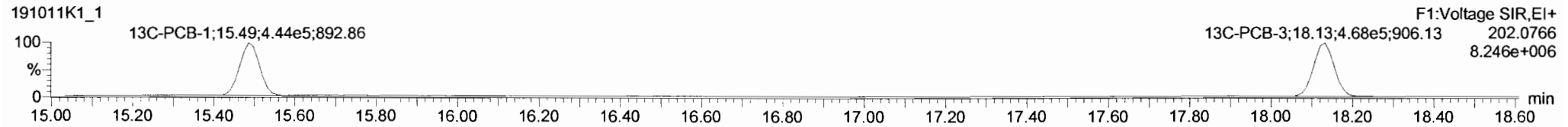
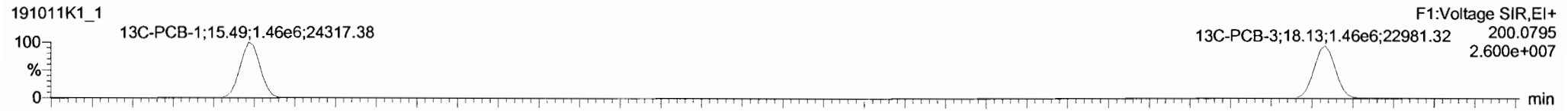
Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

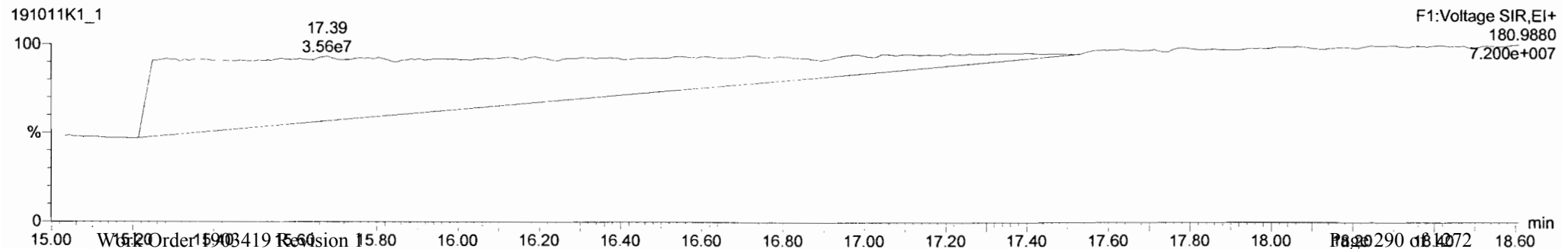
PCB-1



13C-PCB-1



PFK1

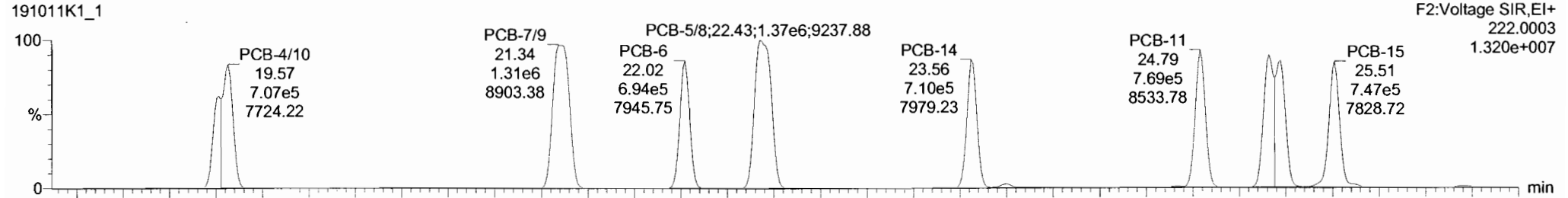


Dataset: Untitled

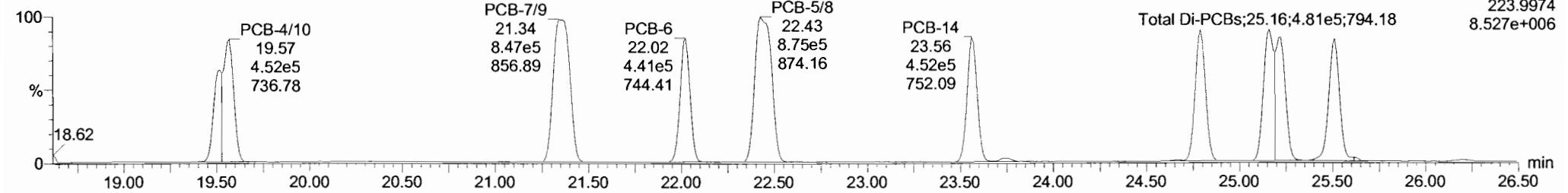
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

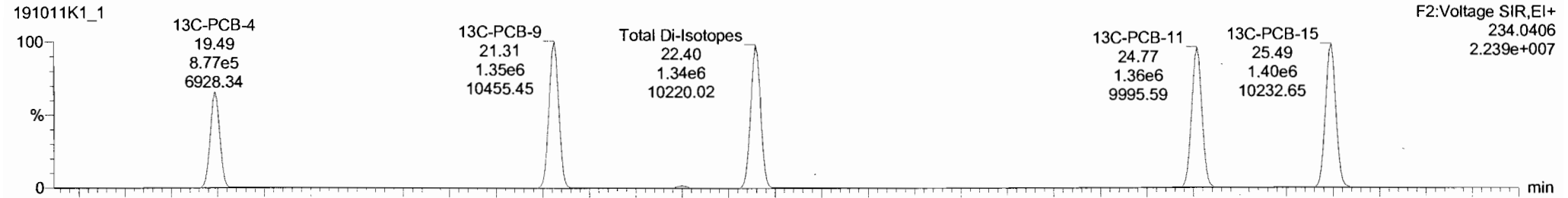
PCB-4/10



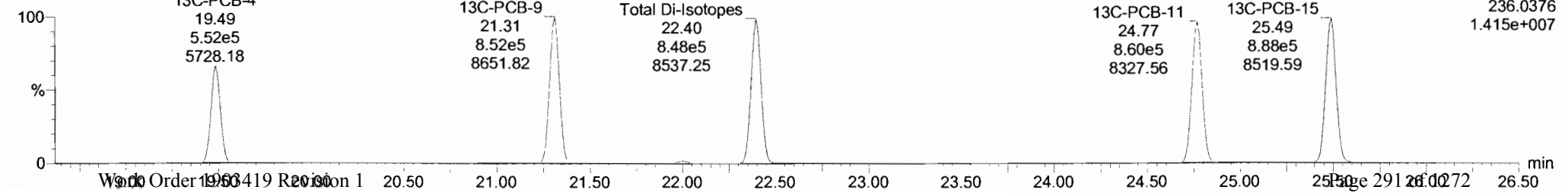
191011K1_1



13C-PCB-4



191011K1_1

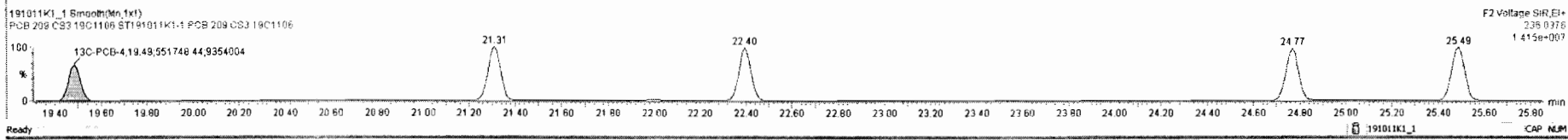
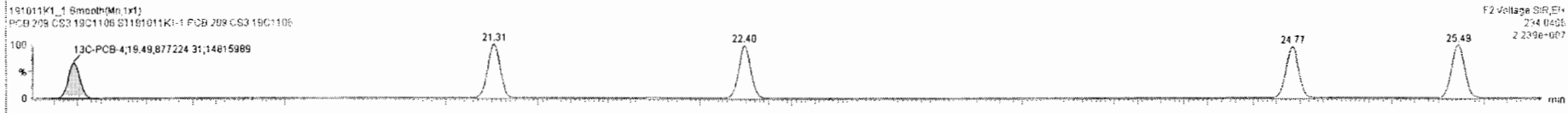
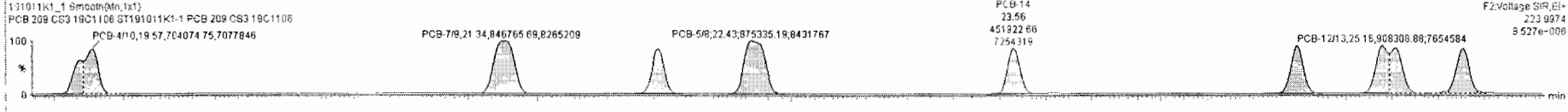
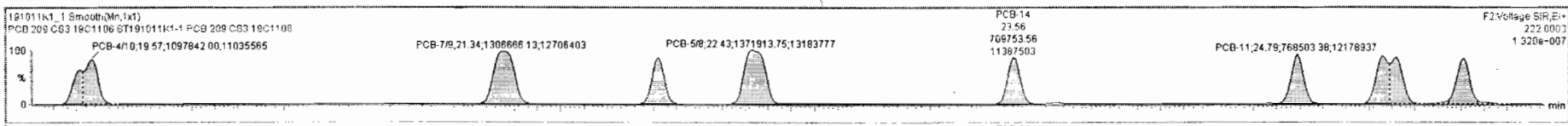


TargetLynx - 191011K1_1.qtd - [Chromatogram]

191011K1_1 - ST191011K1-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

| # | Name | Resp | RA | nY | RRF | wt/vol | Pred.RT | RT | Pred.R | RR1 | RR1 Fw | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|----|--------|--------|---------|-------|--------|-------|--------|--------|------|--------|--------|
| 223 | 13C-PCB-178 | 5.69e5 | 0.45 | NO | 0.9749 | 1.000 | 45.86 | 45.84 | 0.924 | 0.923 | NO | 102.5 | 102 | 0.0681 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 179.5 | | 0.0292 | 179.5 |
| 225 | Total Di-PCBs | | | | 1.0692 | 1.000 | 0.00 | | 0.000 | | NO | 605.2 | | 0.436 | 605.2 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 463.1 | | 0.116 | 463.1 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 786.6 | | 0.350 | 786.6 |
| 228 | Total Tetra-PCBs | | | | 0.8661 | 1.000 | 0.90 | | 0.000 | | NO | 2315 | | 0.836 | 2315 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2292 | | 0.579 | 2292 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 263.2 | | 0.143 | 263.2 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 822.4 | | 0.229 | 822.4 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1487.1 | | 0.651 | 1487.1 |

| # | Name | Pred.RT | RT | Int Resp | n2 Resp | 1* Ratio (Pred) | RA | nY | EMPC | Conc. |
|----|-----------|---------|-------|----------|---------|-----------------|------|----|--------|--------|
| 4 | PCB-4/0 | 19.57 | 19.57 | 1.098e6 | 7.041e5 | 1.560 | 1.58 | NO | 98.871 | 98.871 |
| 5 | PCB-7/9 | 21.37 | 21.34 | 1.307e6 | 8.469e5 | 1.560 | 1.54 | NO | 100.34 | 100.34 |
| 6 | PCB-6 | 22.02 | 22.02 | 6.940e5 | 4.407e5 | 1.560 | 1.50 | NO | 50.741 | 50.741 |
| 7 | PCB-5/8 | 22.43 | 22.43 | 1.372e6 | 8.753e5 | 1.560 | 1.57 | NO | 101.09 | 101.09 |
| 8 | PCB-14 | 23.58 | 23.58 | 7.098e5 | 4.519e5 | 1.560 | 1.57 | NO | 50.666 | 50.666 |
| 9 | PCB-11 | 24.79 | 24.79 | 7.685e5 | 4.879e5 | 1.560 | 1.58 | NO | 51.642 | 51.642 |
| 10 | PCB-12/13 | 25.22 | 25.16 | 1.417e6 | 9.063e5 | 1.560 | 1.58 | NO | 100.99 | 100.99 |
| 11 | PCB-15 | 25.52 | 25.51 | 7.084e5 | 4.538e5 | 1.560 | 1.56 | NO | 50.905 | 50.905 |



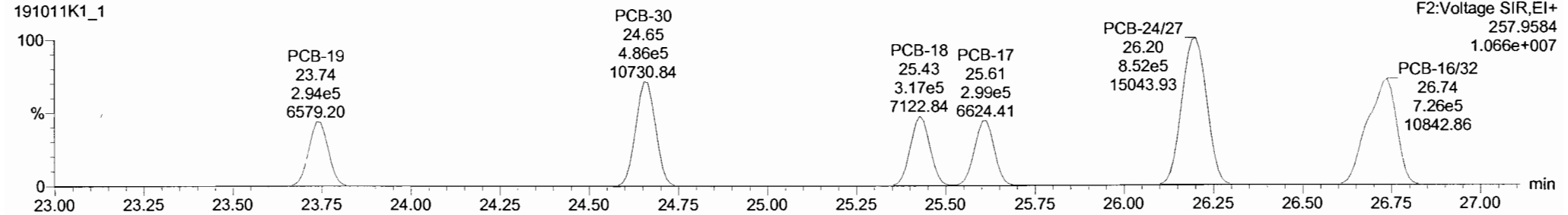
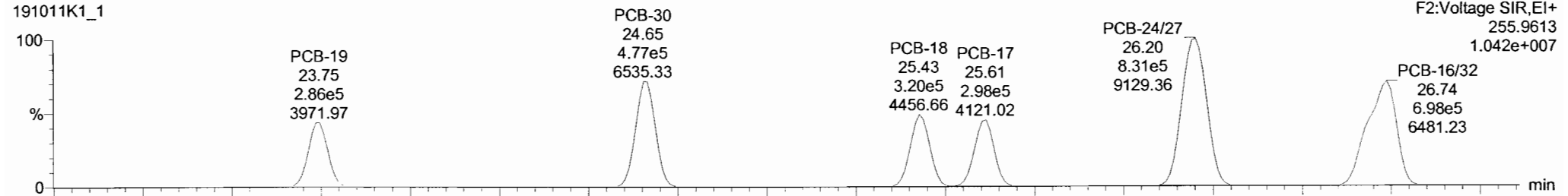
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

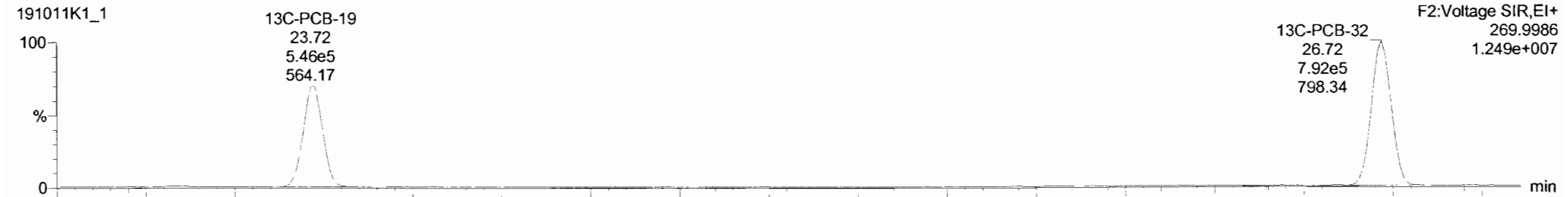
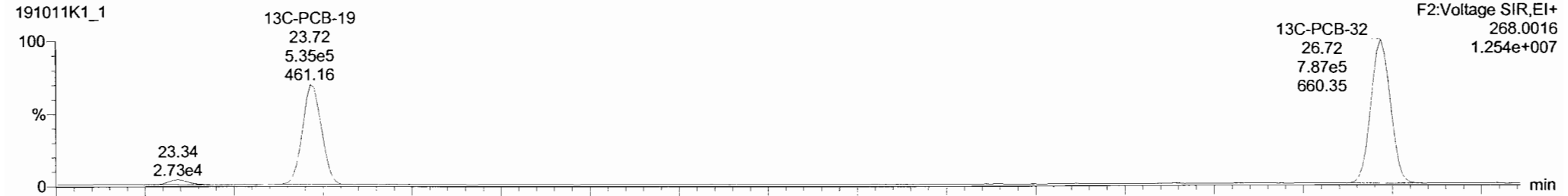
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-19



13C-PCB-19



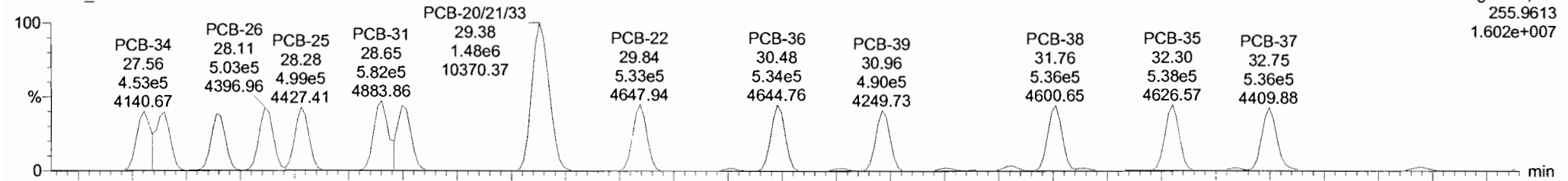
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

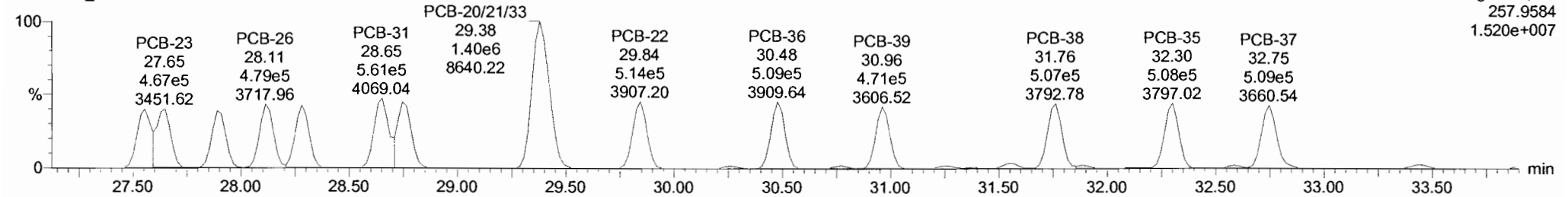
Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-34

191011K1_1

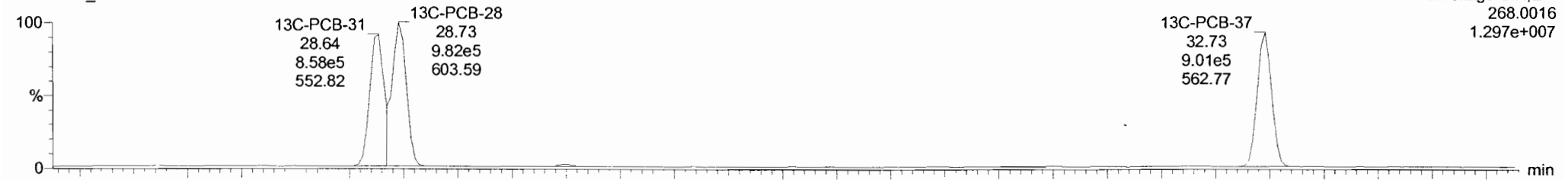


191011K1_1

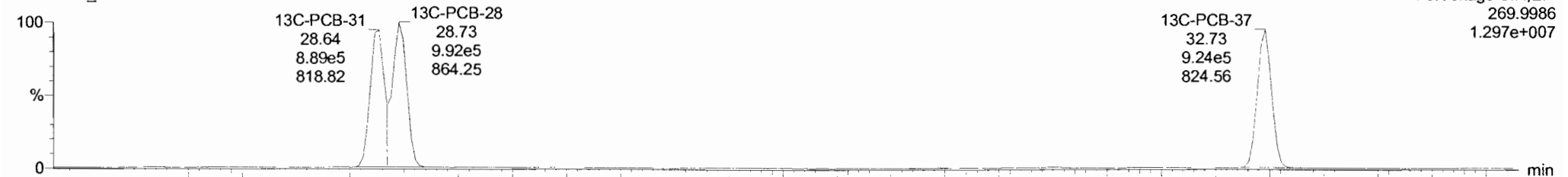


13C-PCB-28

191011K1_1

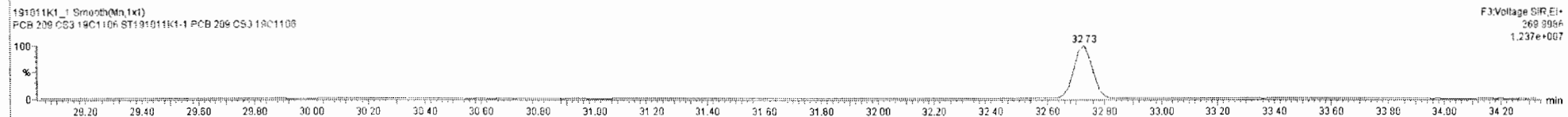
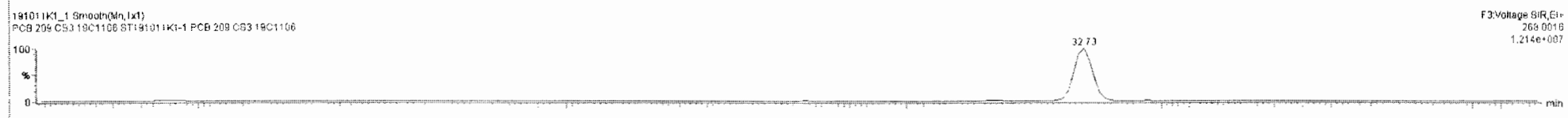
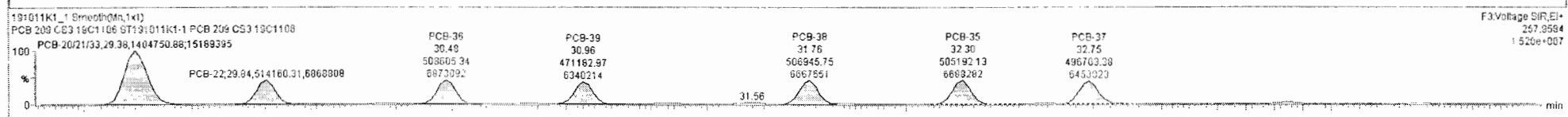
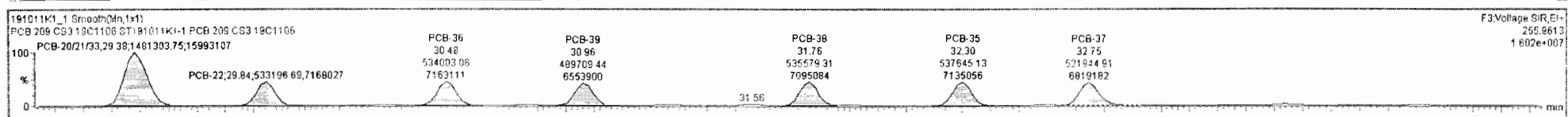


191011K1_1



| # | Name | Resp | RA | n/y | RRF | wt/Vol | Pred RT | RT | Pred_R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 223 | 13C-PCB-178 | 5.69e5 | 0.45 | NO | 0.9749 | 1.000 | 45.86 | 45.84 | 0.524 | 0.923 | NO | 102.5 | 102 | 0.0681 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 179.5 | | 0.0292 | 179.5 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 605.2 | | 0.496 | 605.2 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 463.1 | | 0.116 | 463.1 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 786.6 | | 0.350 | 786.6 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 2315 | | 0.830 | 2315 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2292 | | 0.579 | 2292 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 263.2 | | 0.143 | 263.2 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 822.4 | | 0.229 | 822.4 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1487 | | 0.651 | 1487 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|-----------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 18 PCB-34 | 27.55 | 27.56 | 4.530e5 | 4.345e5 | 1.040 | 1.04 | NO | 45.532 | 45.532 |
| 2 | 19 PCB-23 | 27.65 | 27.65 | 4.885e5 | 4.689e5 | 1.040 | 1.05 | NO | 49.682 | 49.682 |
| 3 | 20 PCB-29 | 27.91 | 27.99 | 4.638e5 | 4.393e5 | 1.040 | 1.05 | NO | 47.973 | 47.973 |
| 4 | 21 PCB-26 | 28.13 | 28.11 | 5.026e5 | 4.788e5 | 1.040 | 1.05 | NO | 49.668 | 49.668 |
| 5 | 22 PCB-25 | 28.29 | 28.28 | 4.893e5 | 4.706e5 | 1.040 | 1.06 | NO | 50.240 | 50.240 |
| 6 | 23 PCB-31 | 29.66 | 28.65 | 5.821e5 | 5.611e5 | 1.040 | 1.04 | NO | 51.564 | 51.564 |
| 7 | 24 PCB-26 | 28.75 | 28.75 | 5.154e5 | 4.939e5 | 1.040 | 1.04 | NO | 46.233 | 46.233 |
| 8 | 25 PCB-20/21/33 | 29.37 | 29.39 | 1.481e6 | 1.405e6 | 1.040 | 1.05 | NO | 145.70 | 145.70 |

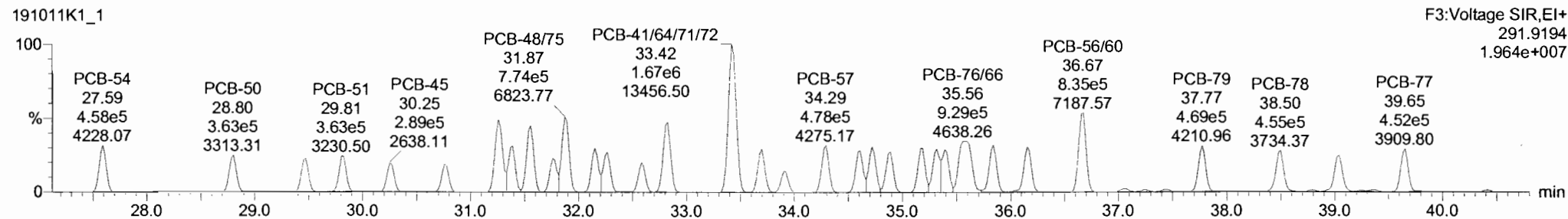
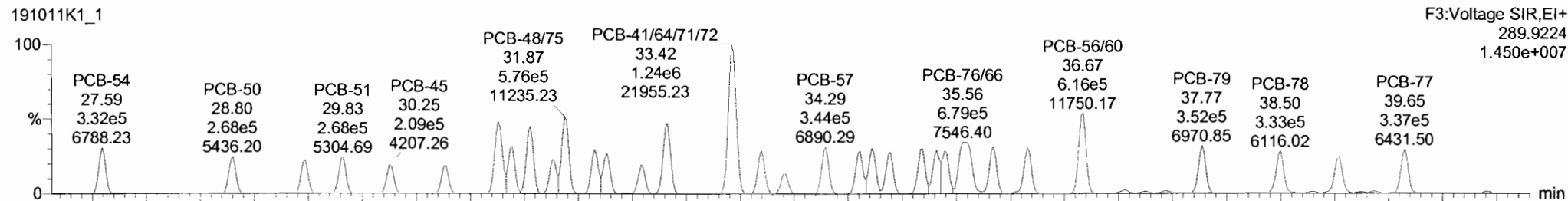


Dataset: Untitled

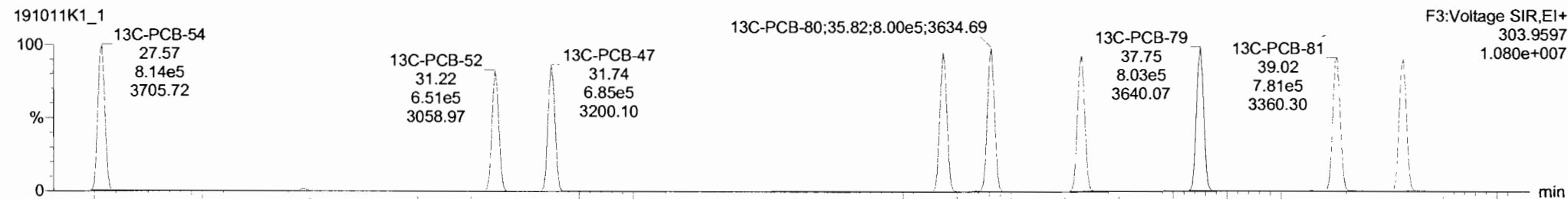
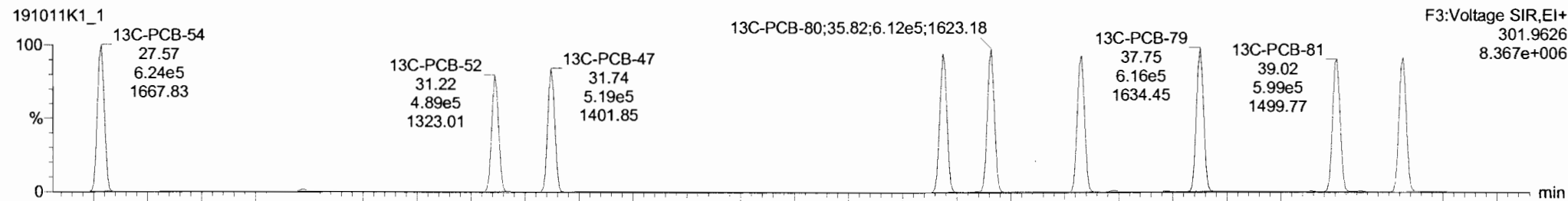
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-54



13C-PCB-54



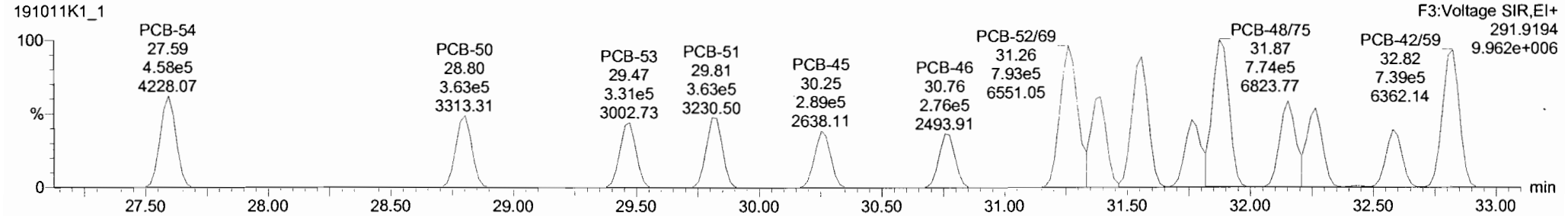
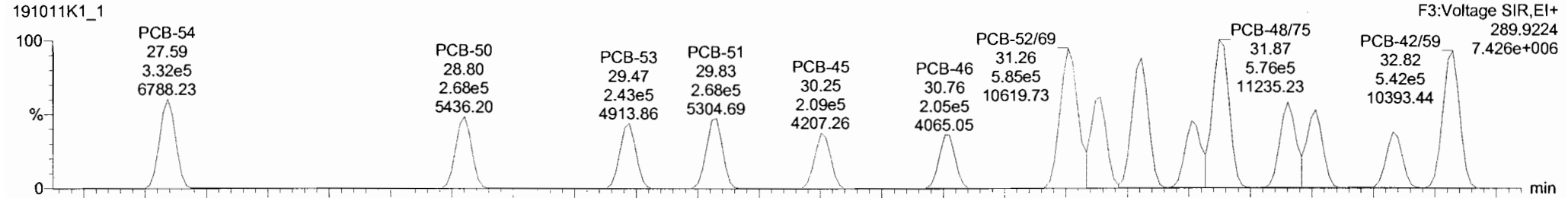
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

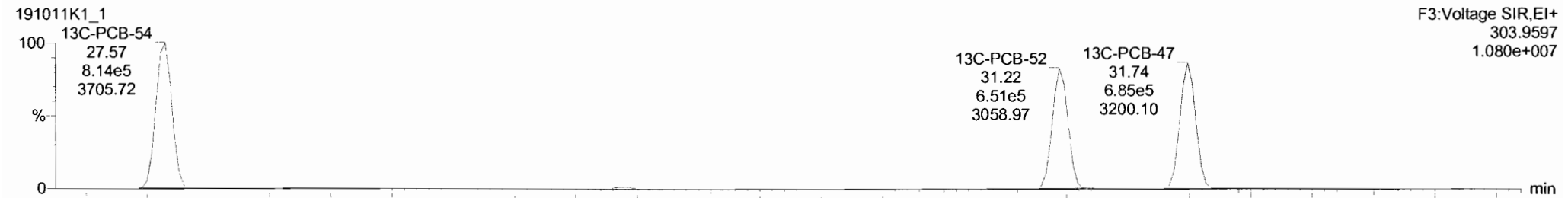
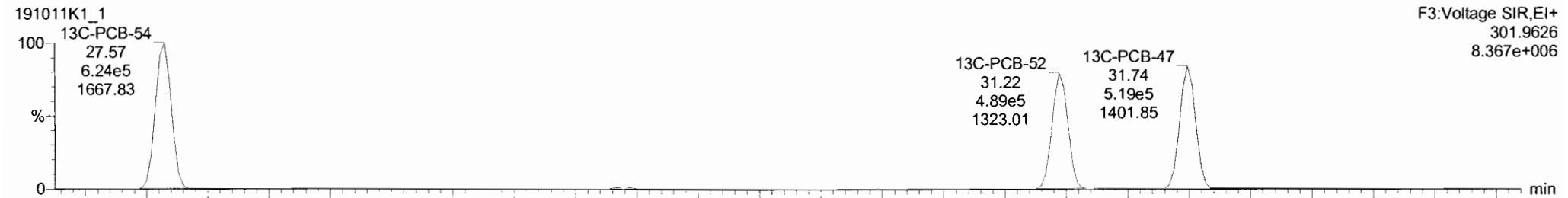
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-50



13C-PCB-52

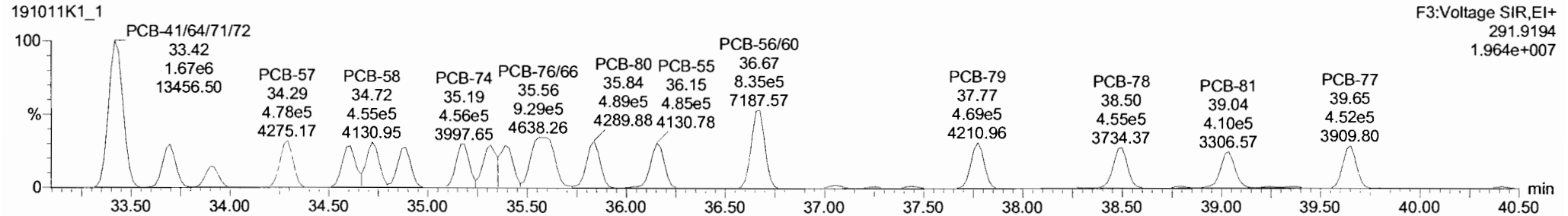
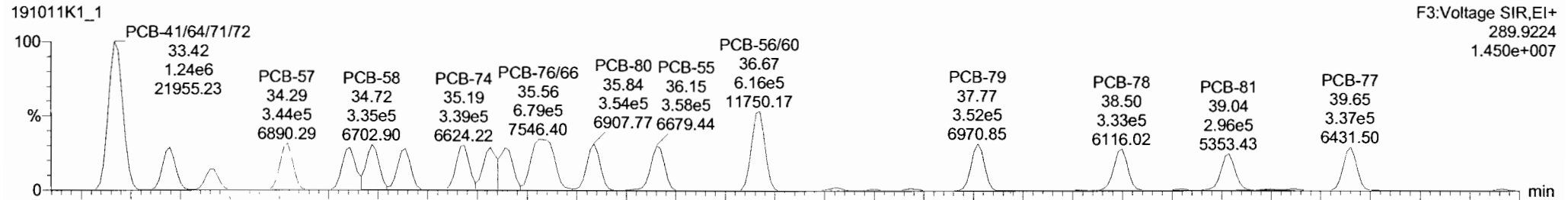


Dataset: Untitled

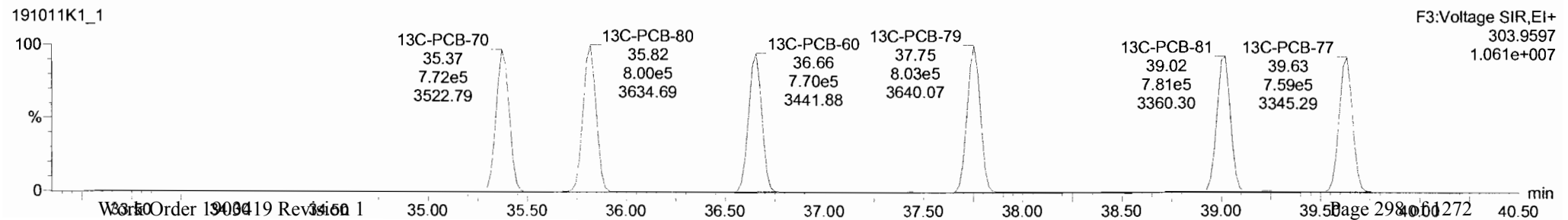
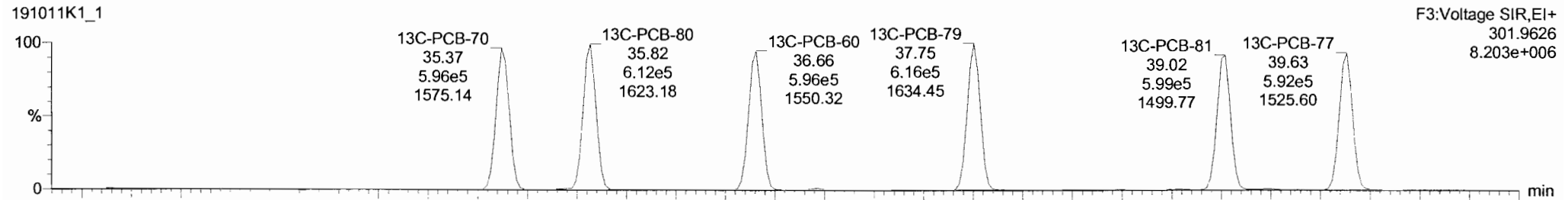
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-68

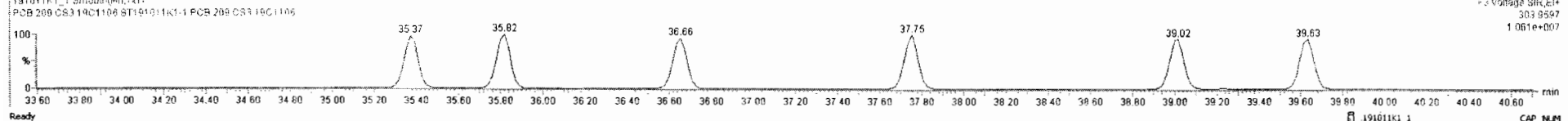
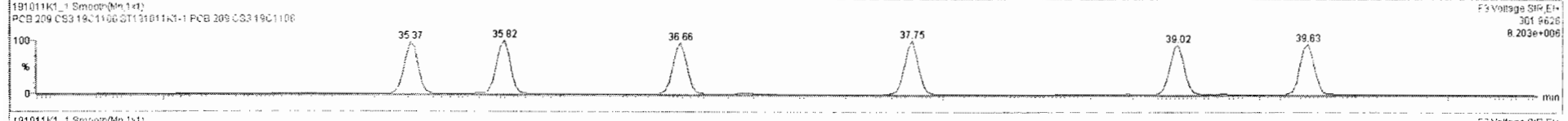
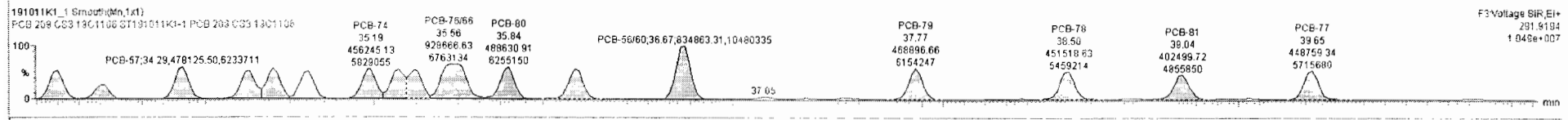


13C-PCB-60



| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.R... | RRT... | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|-----------|--------|----------|-------|------|--------|-------|
| 223 | 19C-PCB-178 | 5.69e5 | 0.45 | NO | 0.9749 | 1.000 | 45.86 | 45.84 | 0.924 | 0.923 | NO | 102.5 | 102 | 0.0681 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 179.5 | | 0.0282 | 179.5 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 605.2 | | 0.496 | 605.2 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 463.1 | | 0.116 | 463.1 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 786.6 | | 0.350 | 786.6 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9881 | 1.000 | 0.00 | | 0.000 | | NO | 2315 | | 0.830 | 2315 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2292 | | 0.579 | 2292 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 263.2 | | 0.143 | 263.2 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7729 | 1.000 | 0.00 | | 0.000 | | NO | 822.4 | | 0.229 | 822.4 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1487 | | 0.651 | 1487 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 32 PCB-54 | 27.59 | 27.59 | 3.317e5 | 4.577e5 | 0.770 | 0.73 | NO | 55.145 | 55.145 |
| 2 | 33 PCB-50 | 28.79 | 28.80 | 2.675e5 | 3.631e5 | 0.770 | 0.74 | NO | 56.152 | 56.152 |
| 3 | 34 PCB-63 | 29.46 | 29.47 | 2.433e5 | 3.311e5 | 0.770 | 0.74 | NO | 52.760 | 52.760 |
| 4 | 35 PCB-51 | 29.80 | 29.83 | 2.690e5 | 3.626e5 | 0.770 | 0.74 | NO | 54.046 | 54.046 |
| 5 | 36 PCB-45 | 30.26 | 30.25 | 2.099e5 | 2.888e5 | 0.770 | 0.72 | NO | 54.014 | 54.014 |
| 6 | 37 PCB-46 | 30.75 | 30.76 | 2.054e5 | 2.762e5 | 0.770 | 0.74 | NO | 56.071 | 56.071 |
| 7 | 38 PCB-52/69 | 31.26 | 31.26 | 5.648e5 | 7.533e5 | 0.770 | 0.74 | NO | 110.73 | 110.73 |
| 8 | 39 PCB-73 | 31.38 | 31.39 | 3.359e5 | 4.405e5 | 0.770 | 0.75 | NO | 53.366 | 53.366 |



Dataset: Untitled

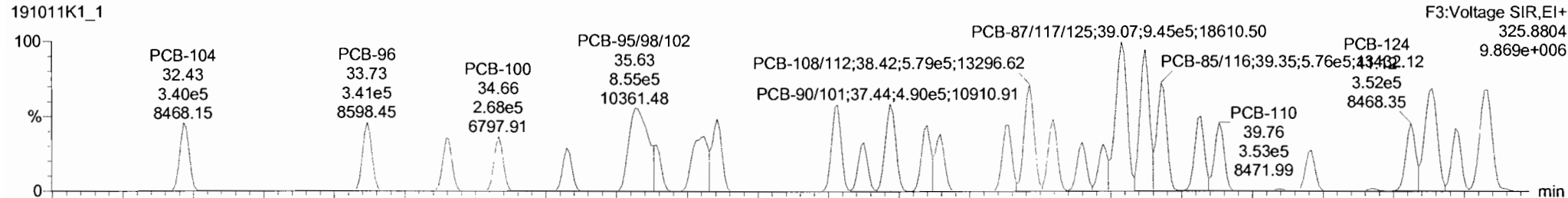
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

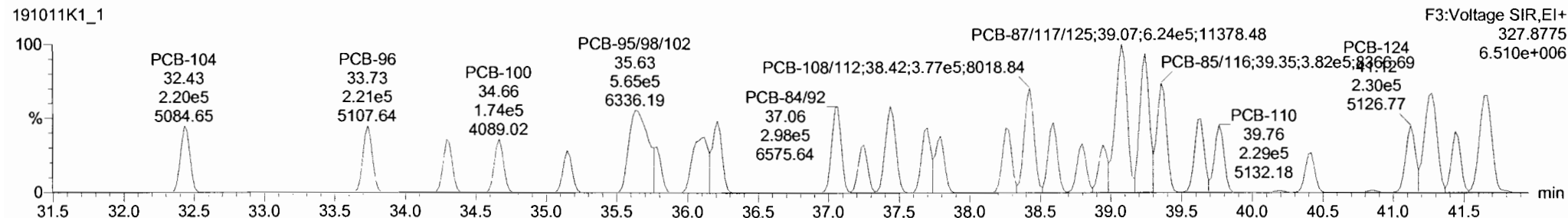
Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-104

191011K1_1

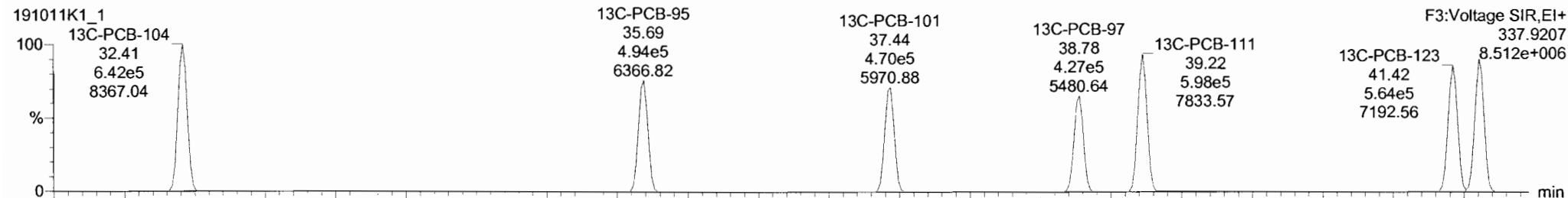


191011K1_1

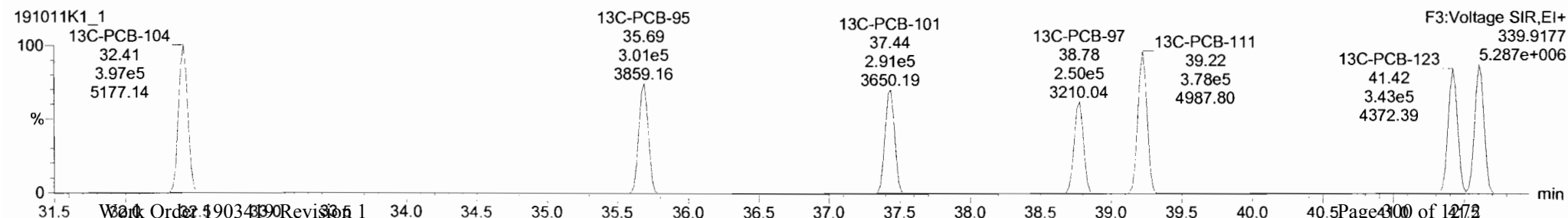


13C-PCB-104

191011K1_1



191011K1_1

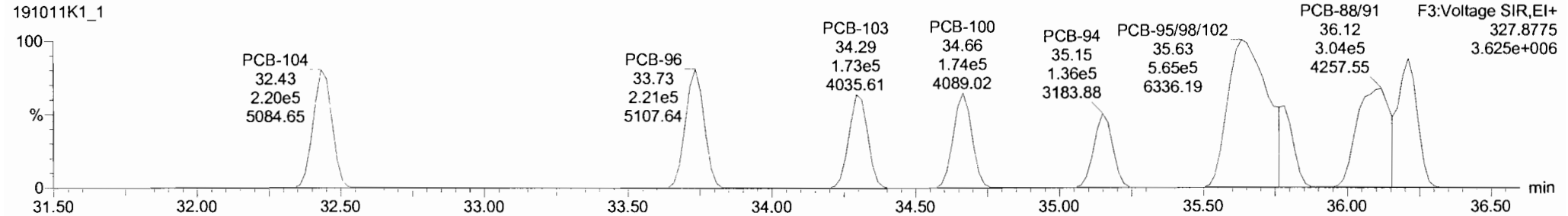
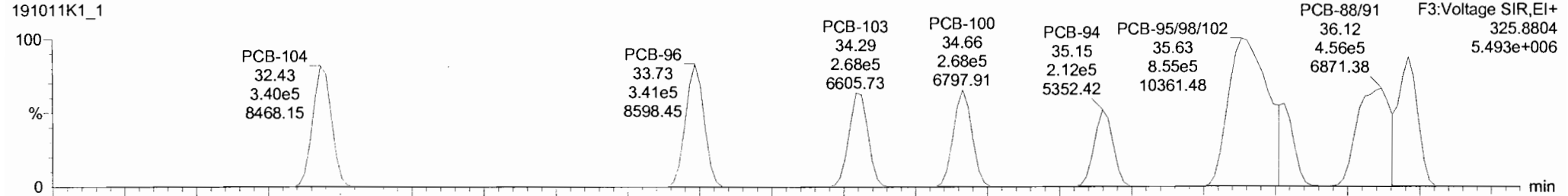


Dataset: Untitled

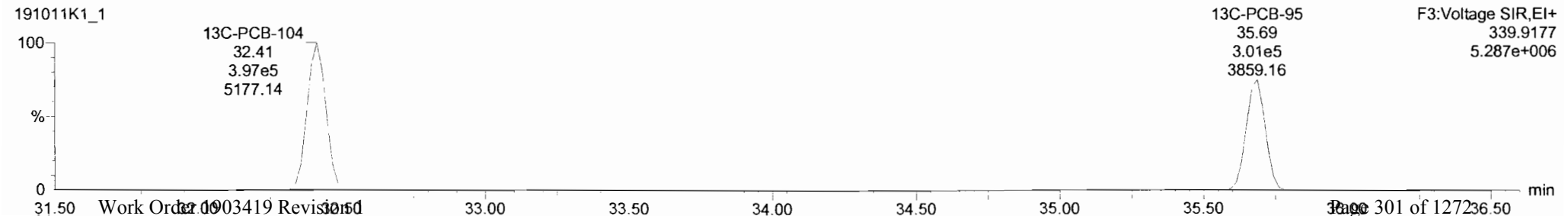
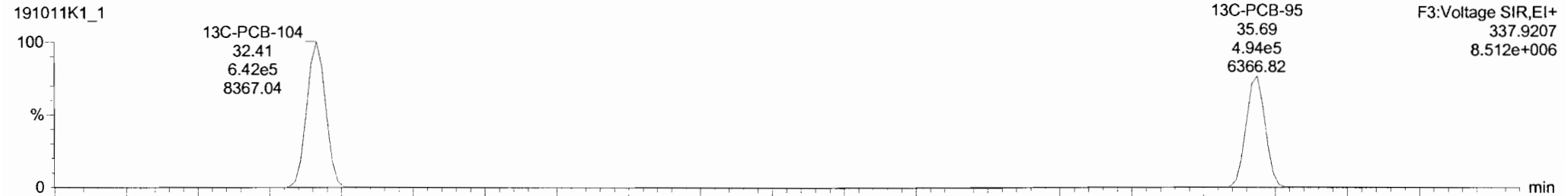
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-96

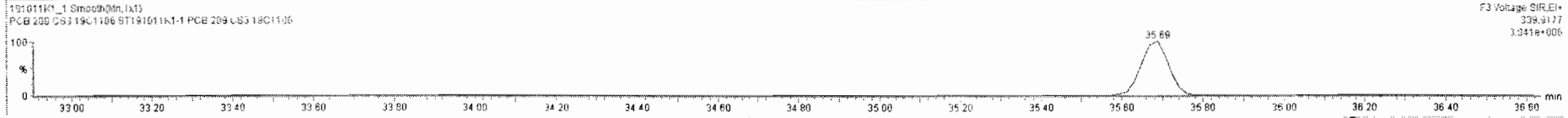
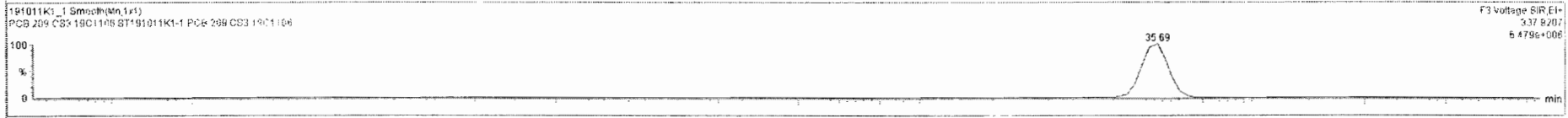
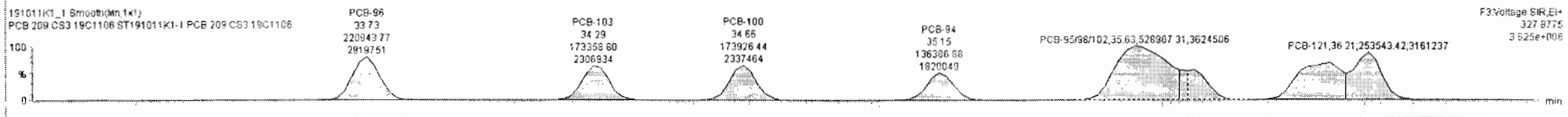
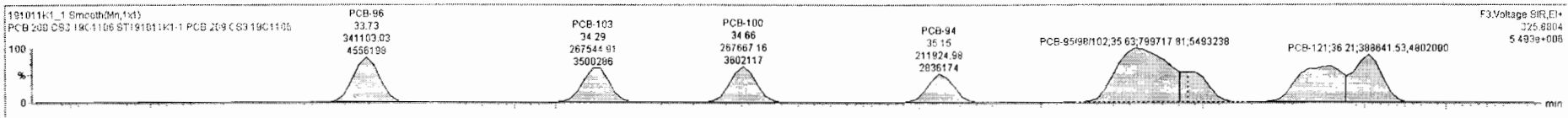


13C-PCB-95



| # | Name | Resp | RA | nly | RRF | wt/mol | Pred RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|-------|--------|--------|------|
| 223 | 13C-PCB-178 | 5.69e5 | 0.45 | NO | 0.9749 | 1.000 | 45.86 | 45.84 | 0.924 | 0.923 | NO | 102.5 | 102 | 0.0681 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.000 | | 0.000 | | NO | 179.5 | 0.0292 | 179.5 | |
| 225 | Total Di-PCBs | | | | 1.0562 | 1.000 | 0.000 | | 0.000 | | NO | 605.2 | 0.496 | 605.2 | |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.000 | | 0.000 | | NO | 463.1 | 0.116 | 463.1 | |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.000 | | 0.000 | | NO | 786.6 | 0.350 | 786.6 | |
| 228 | Total Tetra-PCBs | | | | 0.9681 | 1.000 | 0.000 | | 0.000 | | NO | 231.5 | 0.630 | 231.5 | |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.000 | | 0.000 | | NO | 226.2 | 0.579 | 226.2 | |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.000 | | 0.000 | | NO | 263.2 | 0.143 | 263.2 | |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7738 | 1.000 | 0.000 | | 0.000 | | NO | 822.4 | 0.229 | 822.4 | |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.000 | | 0.000 | | NO | 1487 | 0.651 | 1487 | |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | **Ratio (Pred) | RA | nly | EMPC | Conc. |
|----|---------------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 64 | PCB-104 | 32.43 | 32.43 | 3.403e5 | 2.202e5 | 1.560 | 1.55 | NO | 54.245 | 54.245 |
| 65 | PCB-96 | 33.72 | 33.73 | 3.411e5 | 2.209e5 | 1.560 | 1.54 | NO | 54.331 | 54.331 |
| 66 | PCB-103 | 34.29 | 34.29 | 2.675e5 | 1.734e5 | 1.560 | 1.54 | NO | 54.810 | 54.810 |
| 67 | PCB-100 | 34.66 | 34.66 | 2.677e5 | 1.739e5 | 1.560 | 1.54 | NO | 54.661 | 54.661 |
| 68 | PCB-94 | 35.17 | 35.15 | 2.119e5 | 1.384e5 | 1.560 | 1.55 | NO | 56.589 | 56.589 |
| 69 | PCB-95/98/102 | 35.64 | 35.63 | 7.997e5 | 5.290e5 | 1.580 | 1.51 | NO | 164.54 | 164.54 |
| 70 | PCB-93 | 35.77 | 35.78 | 2.276e5 | 1.463e5 | 1.560 | 1.56 | NO | 55.856 | 55.856 |
| 71 | PCB-88/91 | 36.12 | 36.12 | 4.557e5 | 3.042e5 | 1.560 | 1.50 | NO | 107.33 | 107.33 |



Dataset: Untitled

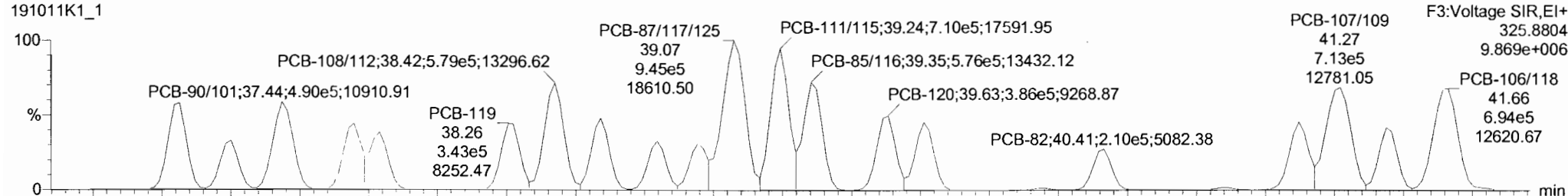
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

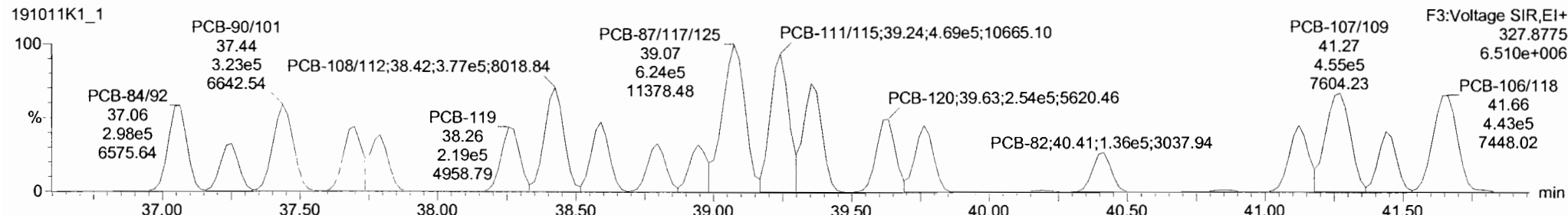
Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-119

191011K1_1

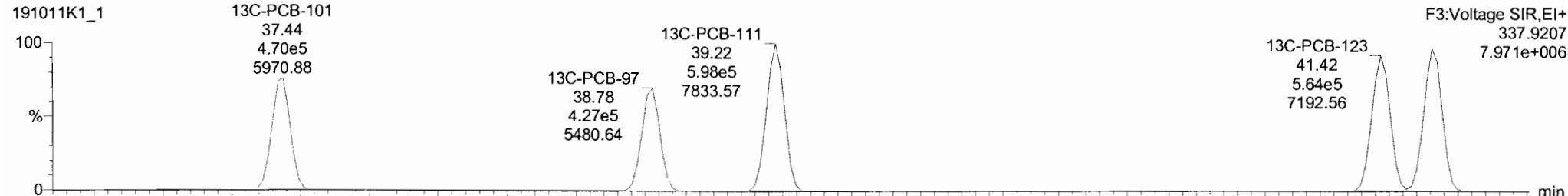


191011K1_1

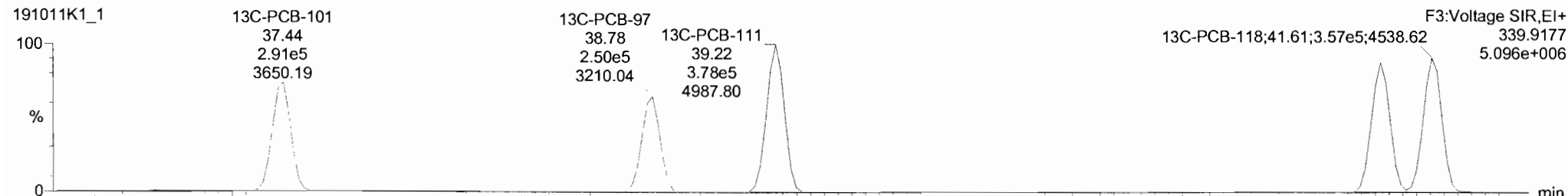


13C-PCB-111

191011K1_1

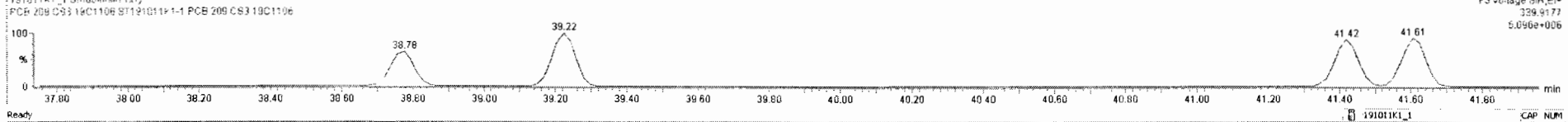
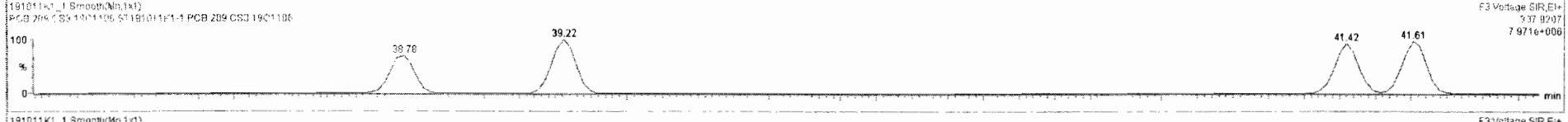
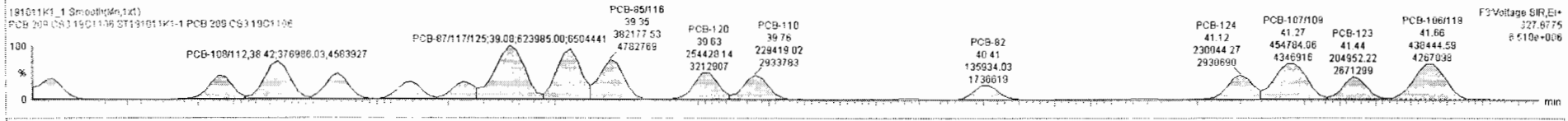
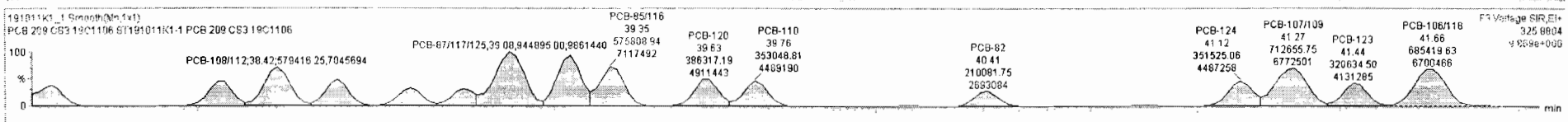


191011K1_1



| # | Name | Resp | RA | nV | RHF | wtVol | Pred RT | RT | Pred R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 223 | 13C-PCB-178 | 5.69e5 | 0.45 | NO | 0.9749 | 1.000 | 45.86 | 45.84 | 0.924 | 0.923 | NO | 102.5 | 102 | 0.0681 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 179.5 | | 0.0292 | 179.5 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 605.2 | | 0.496 | 605.2 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 463.1 | | 0.116 | 463.1 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 786.6 | | 0.350 | 786.6 |
| 228 | 228 Total Tetra-PCBs | | | | 0.8961 | 1.000 | 0.00 | | 0.000 | | NO | 2315 | | 0.830 | 2315 |
| 229 | 229 3rd Function Penta-PCBs | | | | 4.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2292 | | 0.579 | 2292 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 263.2 | | 0.143 | 263.2 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 822.4 | | 0.229 | 822.4 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1487 | | 0.651 | 1487 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | I* Ratio (Pred) | RA | nV | EMPC | Conc |
|---|------------------|---------|-------|---------|---------|-----------------|------|----|--------|--------|
| 1 | 64 PCB-104 | 32.43 | 32.43 | 3.403e5 | 2.202e5 | 1.560 | 1.55 | NO | 54.245 | 54.245 |
| 2 | 65 PCB-96 | 33.72 | 33.73 | 3.411e5 | 2.209e5 | 1.560 | 1.54 | NO | 54.331 | 54.331 |
| 3 | 66 PCB-103 | 34.29 | 34.29 | 2.675e5 | 1.734e5 | 1.560 | 1.54 | NO | 54.810 | 54.810 |
| 4 | 67 PCB-100 | 34.66 | 34.66 | 2.677e5 | 1.738e5 | 1.560 | 1.54 | NO | 54.661 | 54.661 |
| 5 | 68 PCB-94 | 35.17 | 35.15 | 2.119e5 | 1.364e5 | 1.560 | 1.55 | NO | 56.589 | 56.589 |
| 6 | 69 PCB-95/98/102 | 35.64 | 35.63 | 7.997e5 | 5.250e5 | 1.560 | 1.51 | NO | 164.54 | 164.54 |
| 7 | 70 PCB-93 | 35.77 | 35.76 | 2.276e5 | 1.462e5 | 1.560 | 1.56 | NO | 55.856 | 55.856 |
| 8 | 71 PCB-98/91 | 36.12 | 36.12 | 4.557e5 | 3.042e5 | 1.560 | 1.50 | NO | 107.33 | 107.33 |



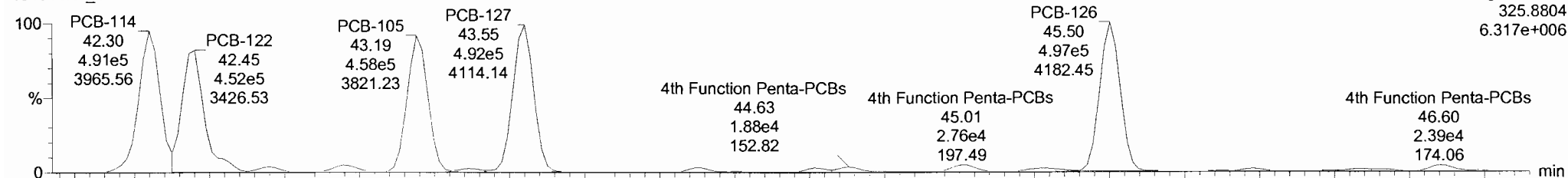
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

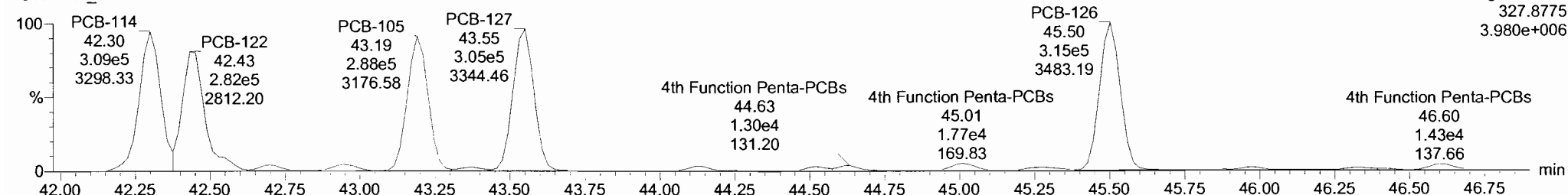
Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-114

191011K1_1

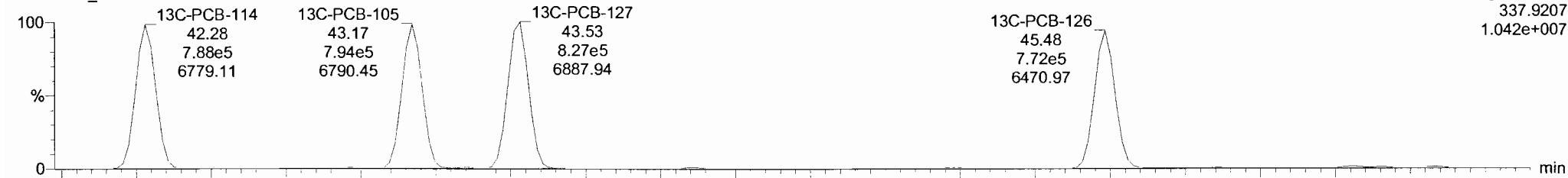


191011K1_1

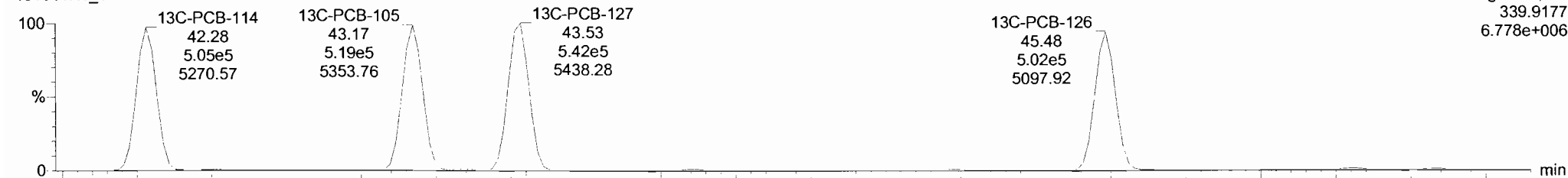


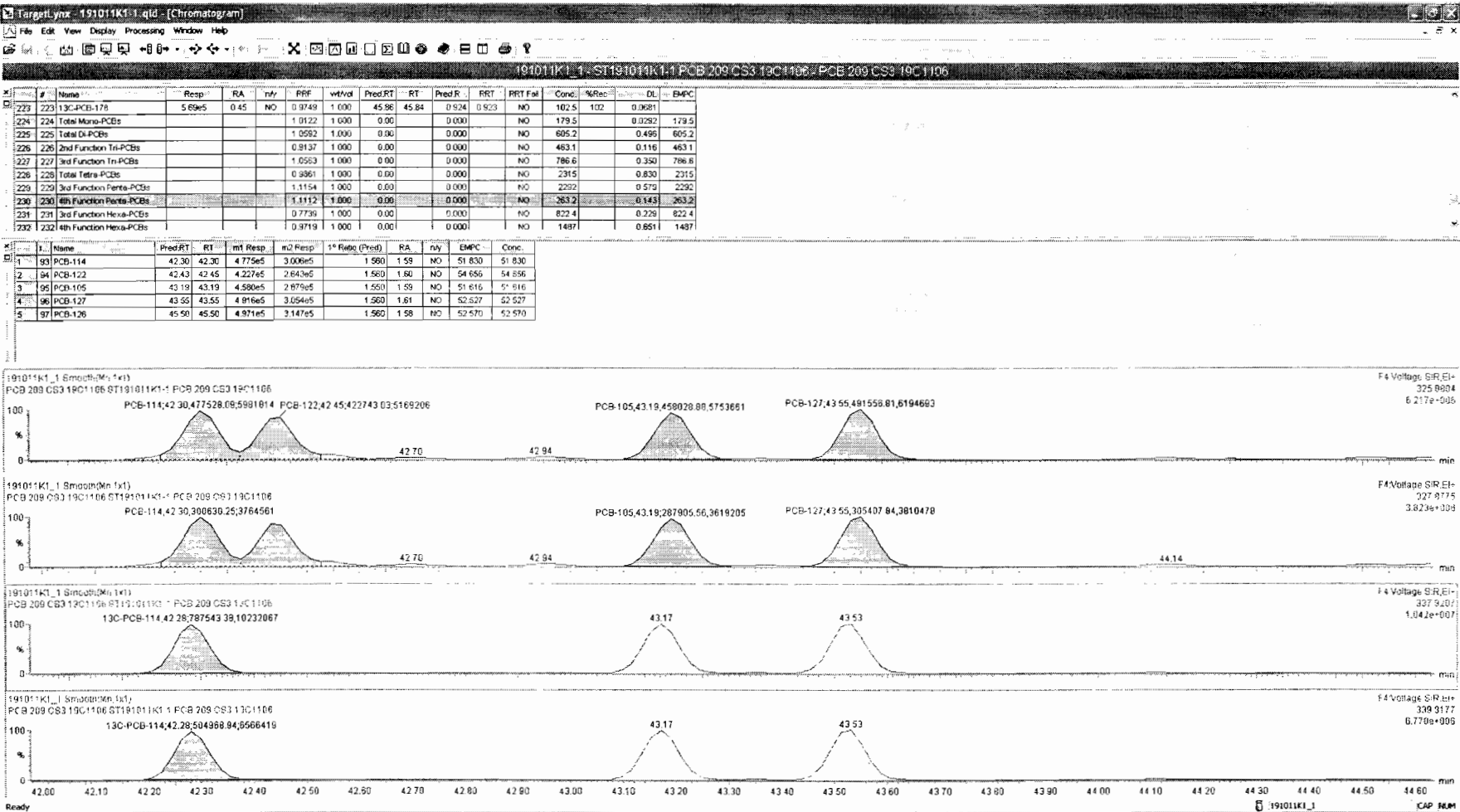
13C-PCB-114

191011K1_1



191011K1_1





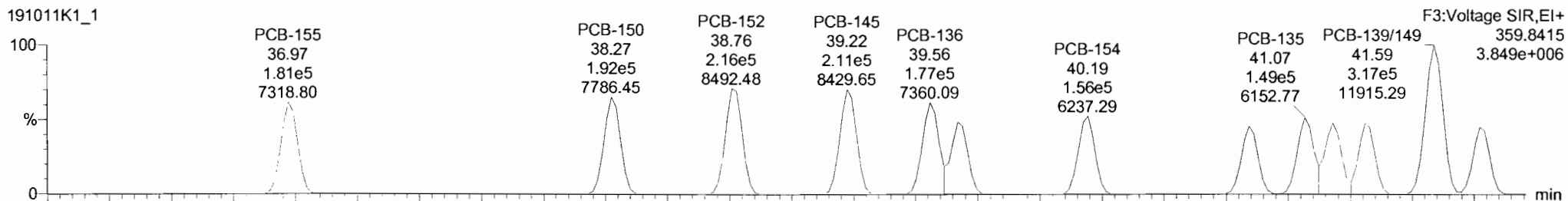
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

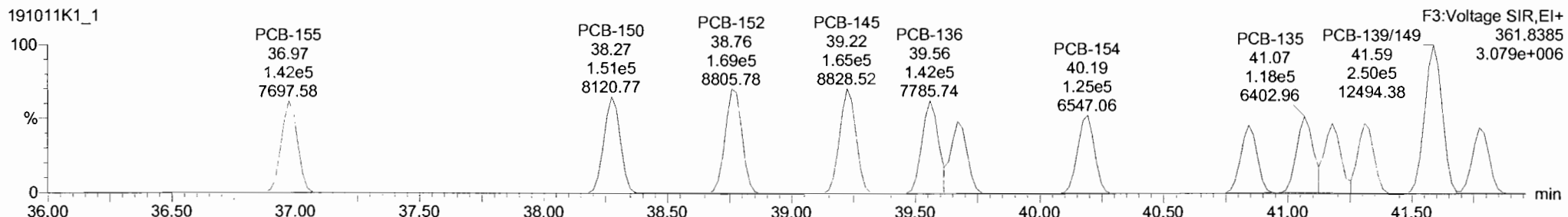
Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-155

191011K1_1

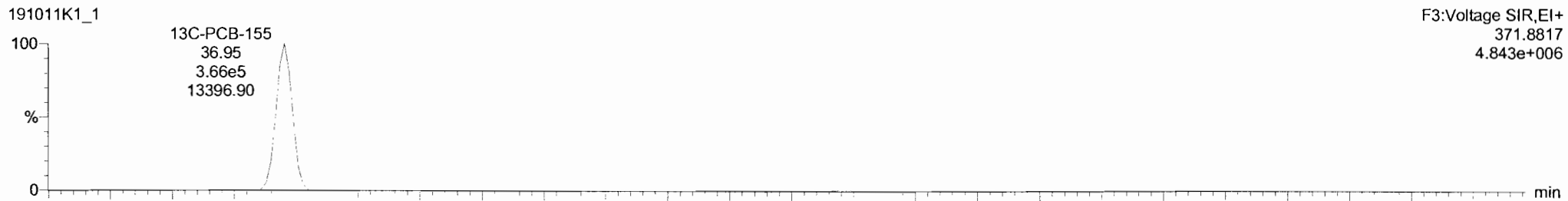


191011K1_1

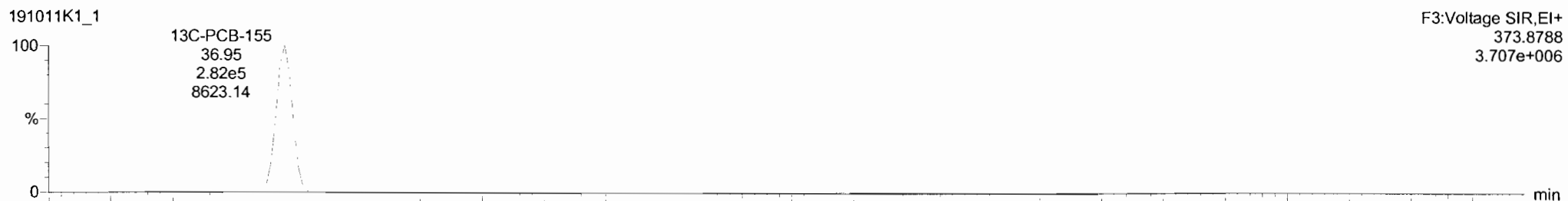


13C-PCB-155

191011K1_1



191011K1_1



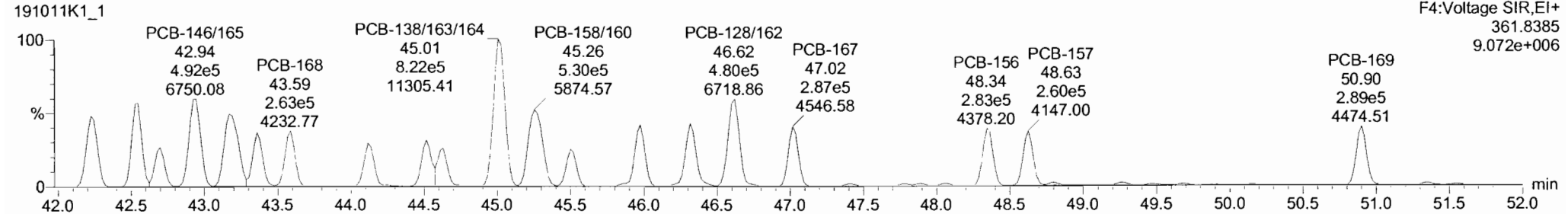
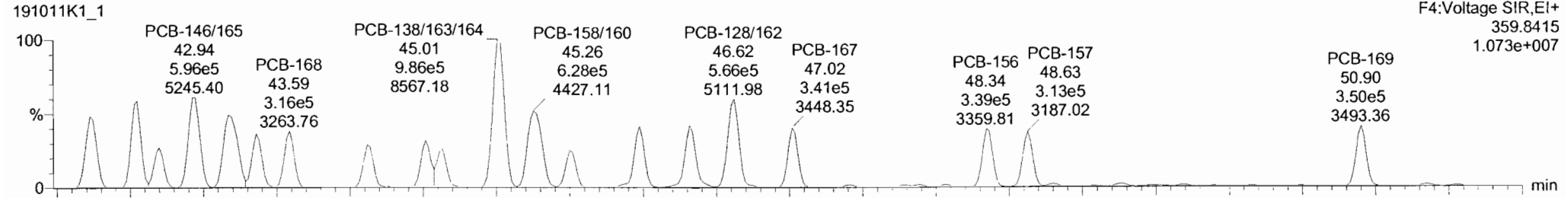
Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

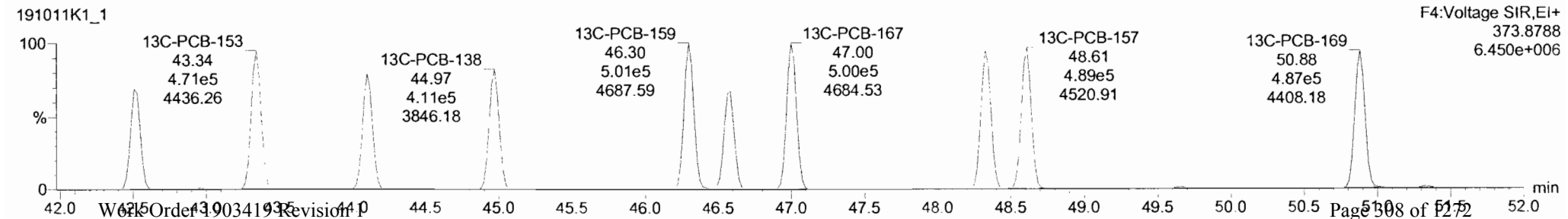
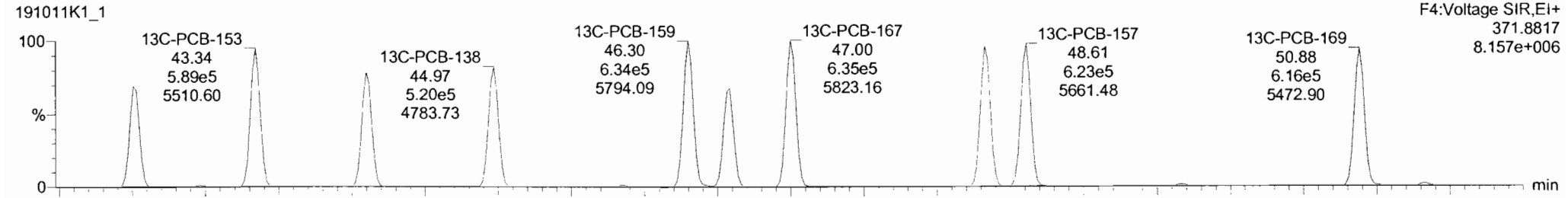
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-134/143



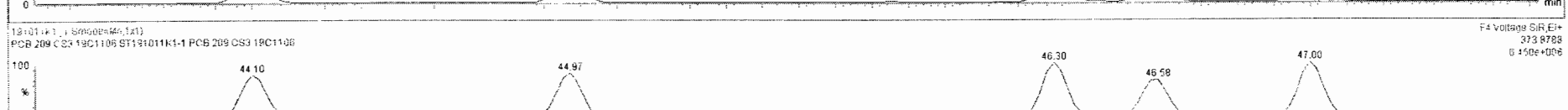
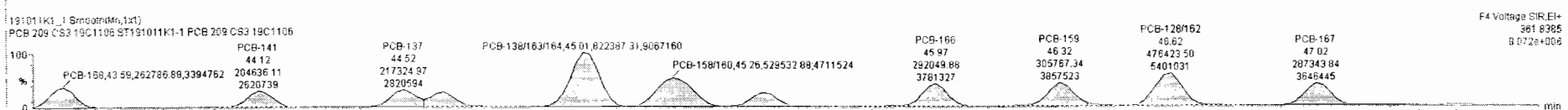
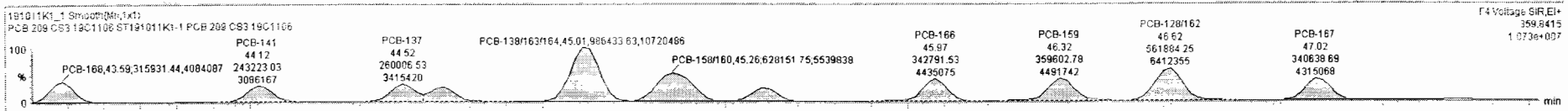
13C-PCB-153



191011K1_1-ST191011K1-1-PCB 209 CS3 19C1106-PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wVol | Pred RT | RT | Pred.R. | RRT | RRT Fal | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|---------|-------|---------|-------|------|--------|-------|
| 223 | 223 13C-PCB-178 | 5.89e5 | 0.45 | NO | | | | | | | | | | | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.000 | 0.000 | 0.924 | 0.923 | NO | 102.5 | 102 | 0.0661 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.000 | 0.000 | | | NO | 605.2 | | 0.496 | 605.2 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.000 | 0.000 | | | NO | 483.1 | | 0.116 | 483.1 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0503 | 1.000 | 0.000 | 0.000 | | | NO | 786.6 | | 0.350 | 786.6 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9881 | 1.000 | 0.000 | 0.000 | | | NO | 2315 | | 0.830 | 2315 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.000 | 0.000 | | | NO | 2292 | | 0.579 | 2292 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.000 | 0.000 | | | NO | 263.2 | | 0.143 | 263.2 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7738 | 1.000 | 0.000 | 0.000 | | | NO | 822.4 | | 0.229 | 822.4 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.000 | 0.000 | | | NO | 1487 | | 0.651 | 1487 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 1 | PCB-134/143 | 42.25 | 42.22 | 4.562e5 | 3.825e5 | 1.240 | 1.19 | NO | 107.90 | 107.90 |
| 2 | PCB-131/133 | 42.54 | 42.55 | 4.934e5 | 4.124e5 | 1.240 | 1.20 | NO | 108.16 | 108.16 |
| 3 | PCB-142 | 42.69 | 42.70 | 2.252e5 | 1.847e5 | 1.240 | 1.22 | NO | 54.620 | 54.620 |
| 4 | PCB-146/165 | 42.94 | 42.94 | 5.984e5 | 4.924e5 | 1.240 | 1.21 | NO | 107.07 | 107.07 |
| 5 | PCB-132/161 | 43.18 | 43.17 | 5.949e5 | 4.970e5 | 1.240 | 1.20 | NO | 105.71 | 105.71 |
| 6 | PCB-153 | 43.36 | 43.36 | 3.083e5 | 2.570e5 | 1.240 | 1.20 | NO | 52.700 | 52.700 |
| 7 | PCB-168 | 43.59 | 43.59 | 3.159e5 | 2.628e5 | 1.240 | 1.20 | NO | 53.559 | 53.559 |
| 8 | PCB-141 | 44.12 | 44.12 | 2.432e5 | 2.046e5 | 1.240 | 1.19 | NO | 51.675 | 51.675 |

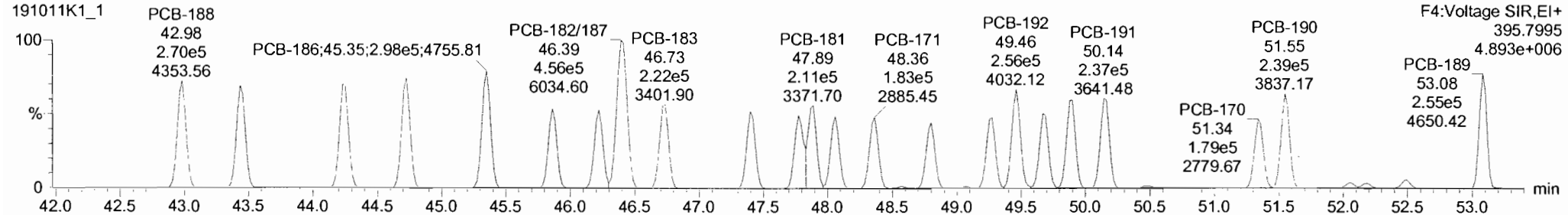
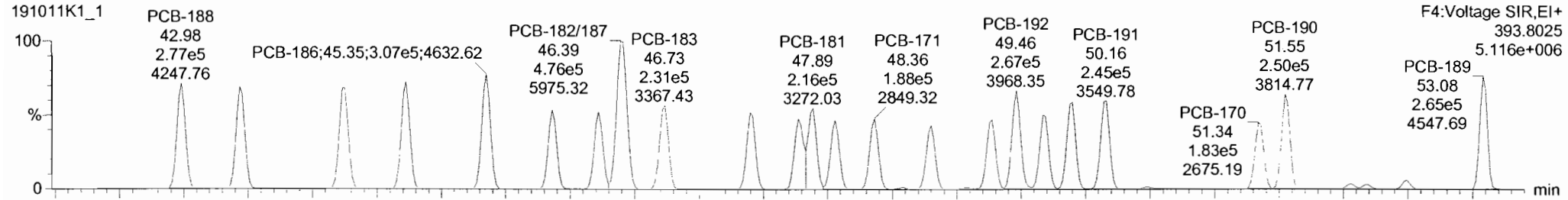


Dataset: Untitled

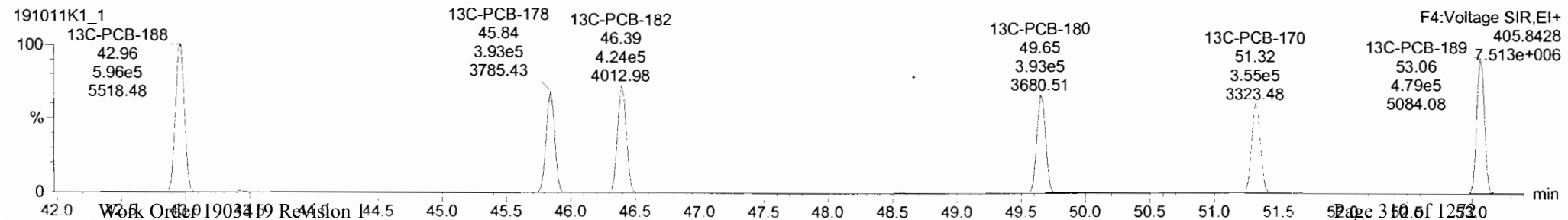
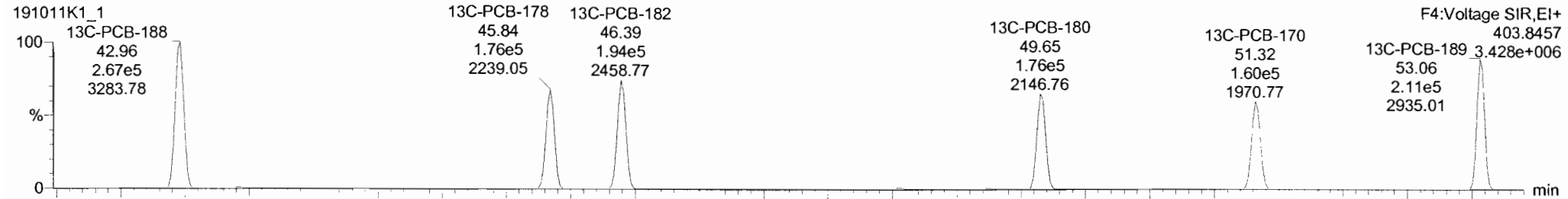
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-188



13C-PCB-188

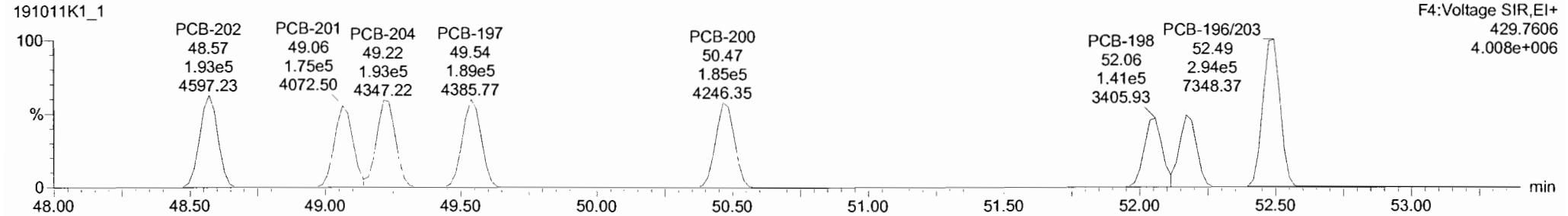
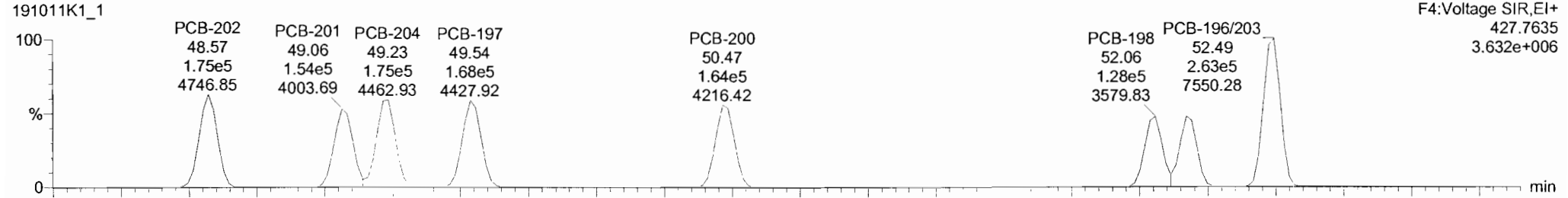


Dataset: Untitled

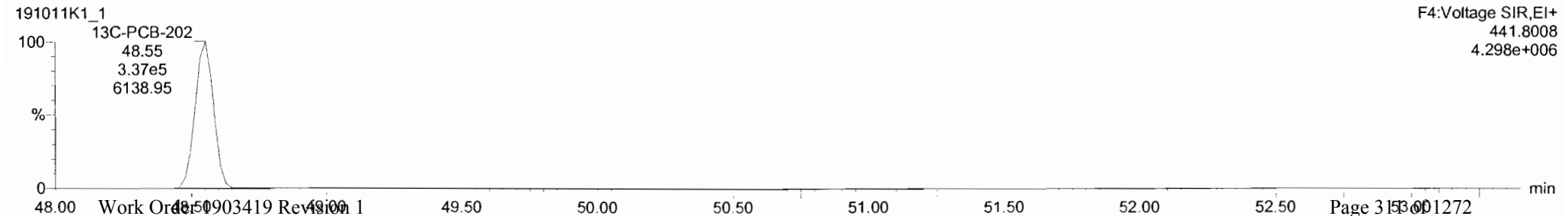
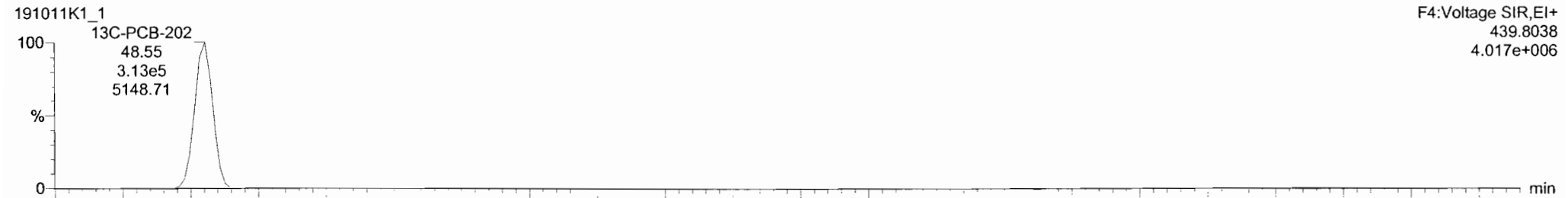
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time
Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-202



13C-PCB-202



Dataset: Untitled

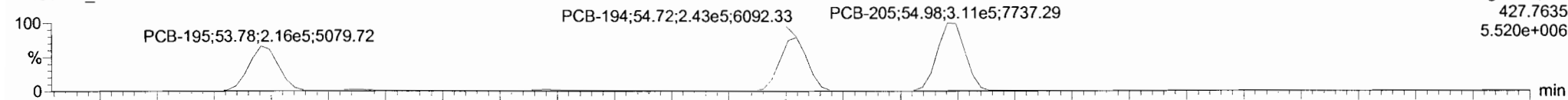
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

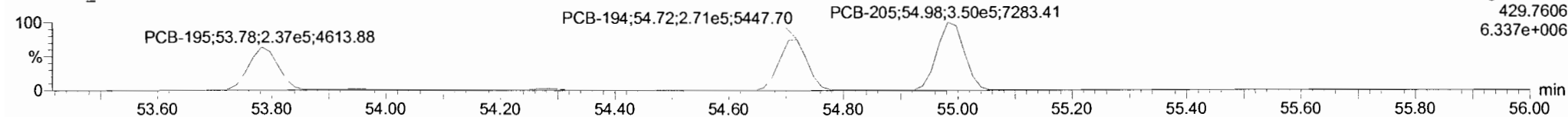
Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-195

191011K1_1

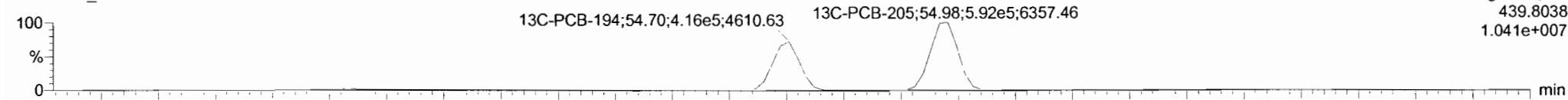


191011K1_1

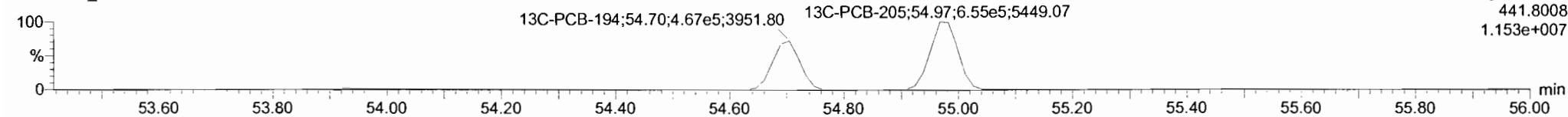


13C-PCB-194

191011K1_1

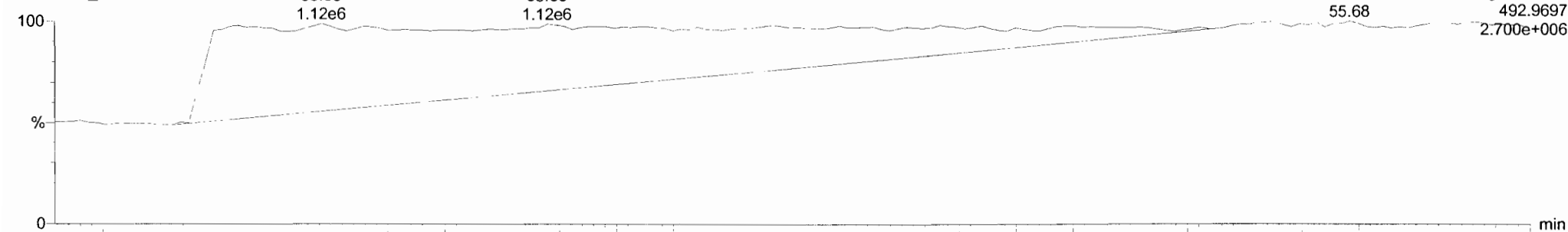


191011K1_1



PFK5

191011K1_1



Dataset: Untitled

Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

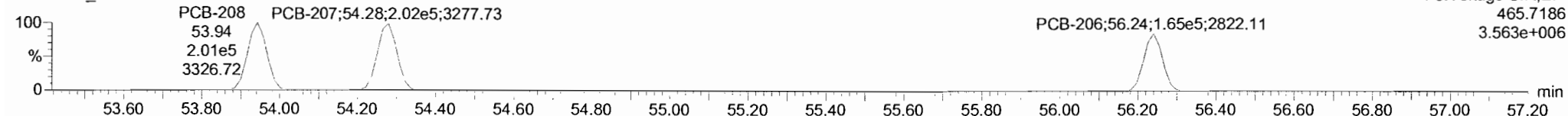
Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-208

191011K1_1

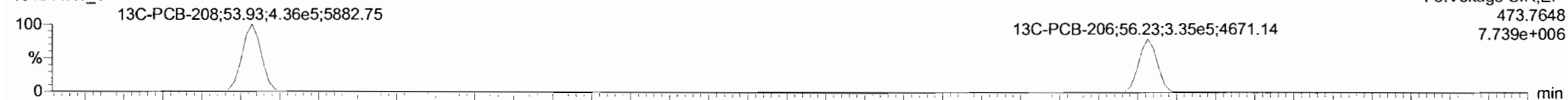


191011K1_1

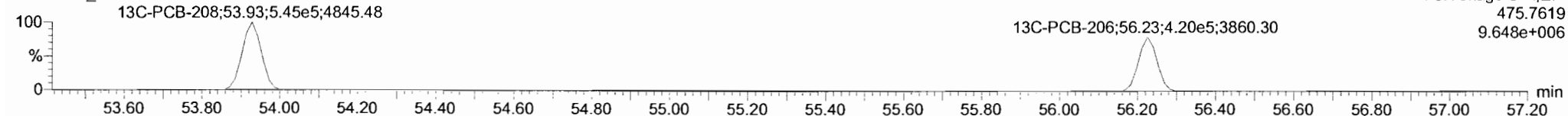


13C-PCB-208

191011K1_1

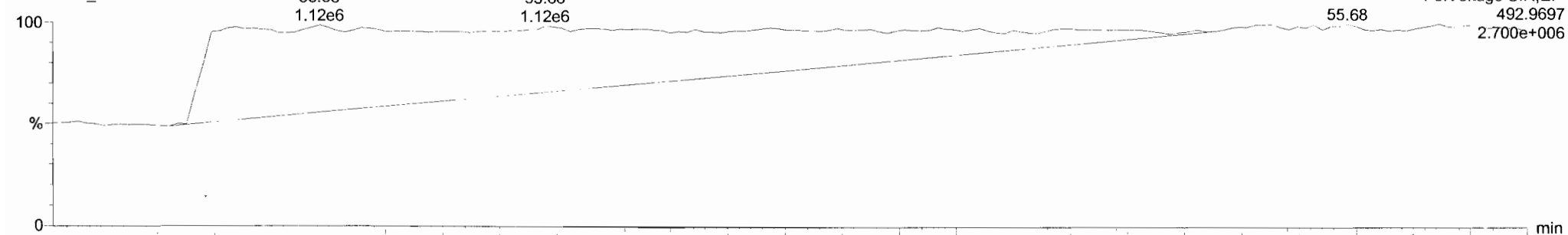


191011K1_1



PFK5

191011K1_1



Dataset: Untitled

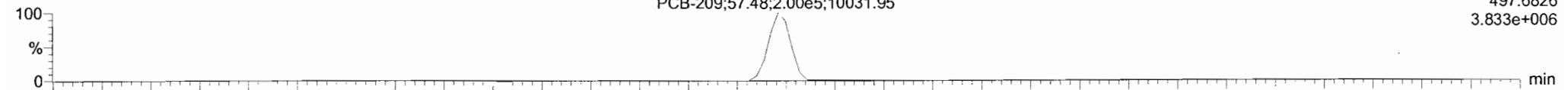
Last Altered: Saturday, October 12, 2019 11:02:18 Pacific Daylight Time

Printed: Saturday, October 12, 2019 11:06:08 Pacific Daylight Time

Name: 191011K1_1, Date: 11-Oct-2019, Time: 16:45:37, ID: ST191011K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

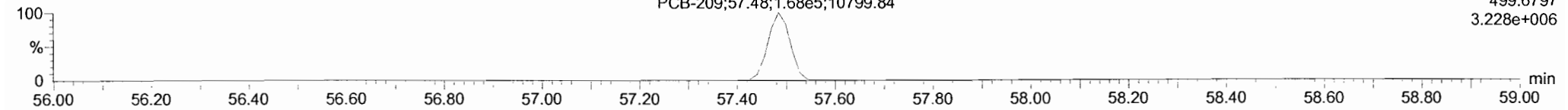
PCB-209

191011K1_1



F5:Voltage SIR,EI+
497.6826
3.833e+006

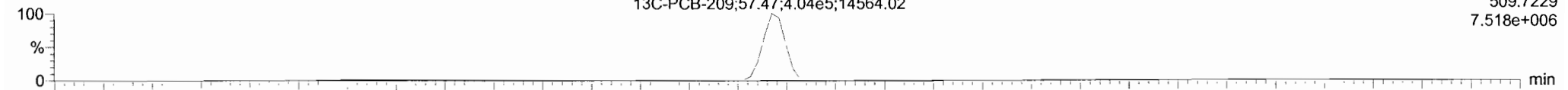
191011K1_1



F5:Voltage SIR,EI+
499.6797
3.228e+006

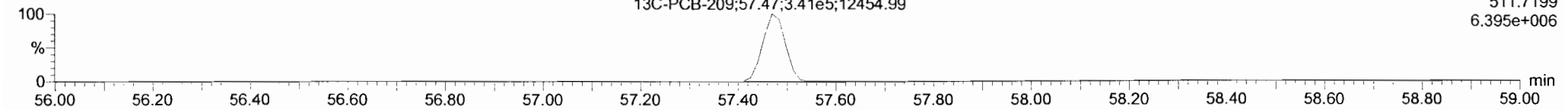
13C-PCB-209

191011K1_1



F5:Voltage SIR,EI+
509.7229
7.518e+006

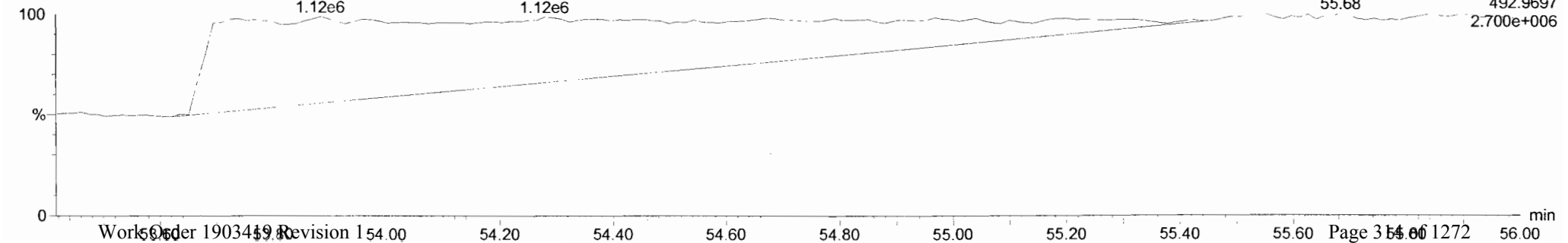
191011K1_1



F5:Voltage SIR,EI+
511.7199
6.395e+006

PFK5

191011K1_1



F5:Voltage SIR,EI+
492.9697
2.700e+006

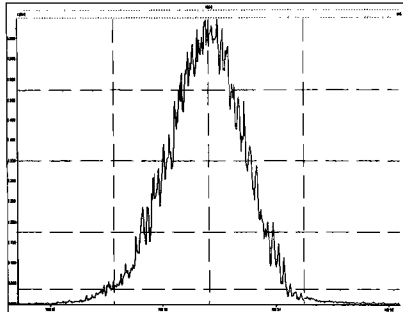
Resolution Check Report

MassLynx 4.1 SCN815

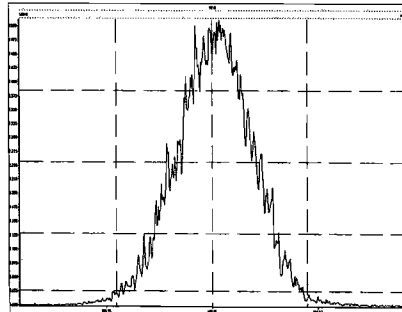
Printed: Saturday, October 12, 2019 04:21:49 Pacific Daylight Time

PFIC drain
Ⓐ did not centroid
Ⓑ PFIC leak

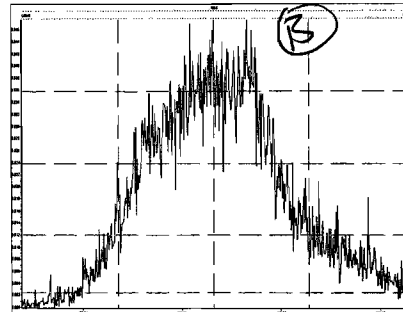
M 168.9888 R 10965



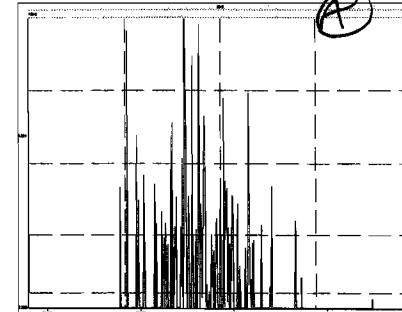
M 180.9888 R 10683



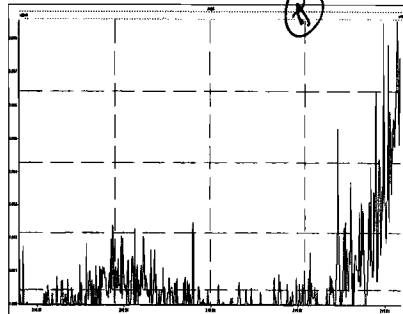
M 192.9888 R 6189



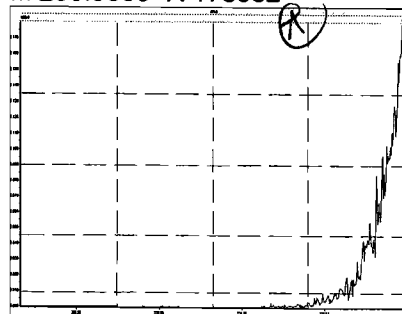
M 204.9888 R 729161



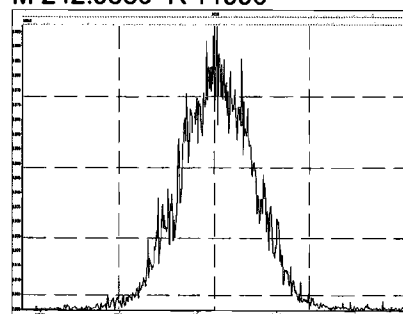
M 218.9856 R 40323



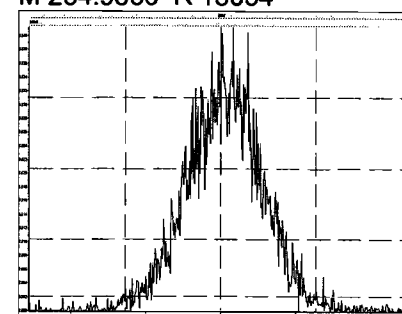
M 230.9856 R 178582



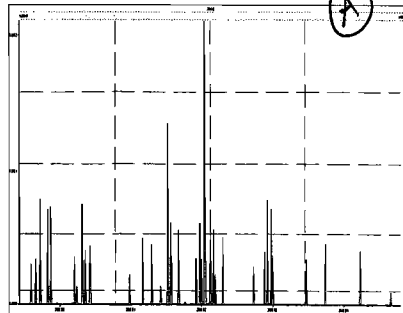
M 242.9856 R 11990



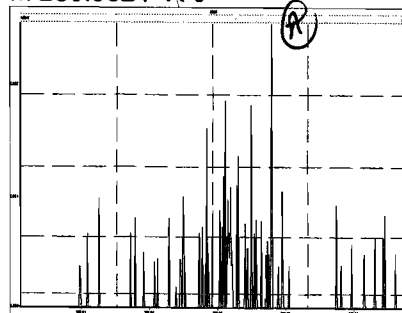
M 254.9856 R 13054



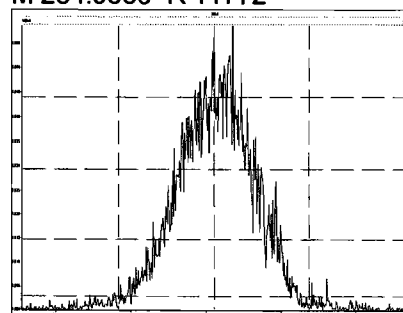
M 268.9824 R 131576



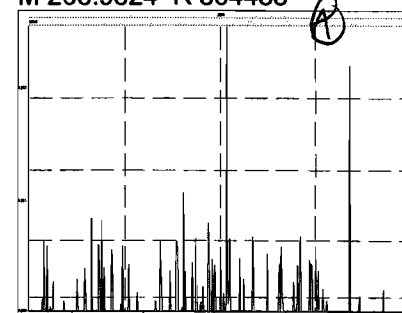
M 280.9824 R 0



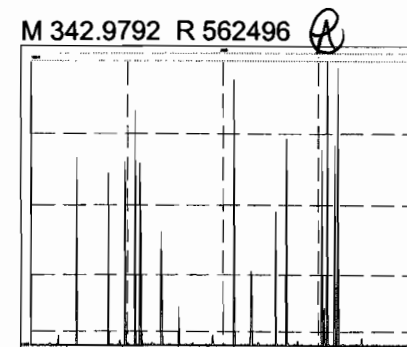
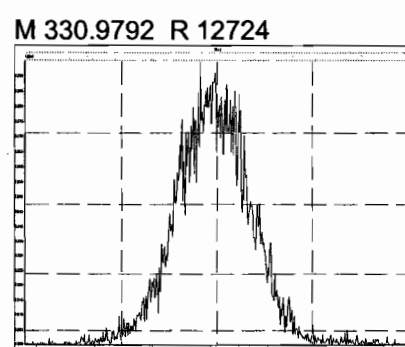
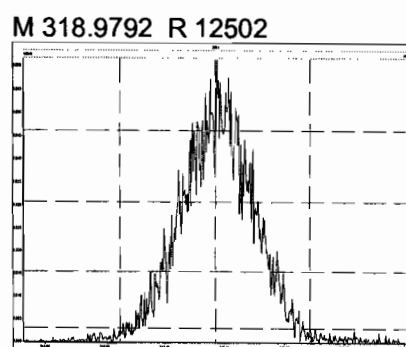
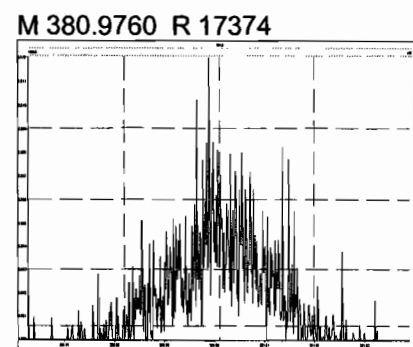
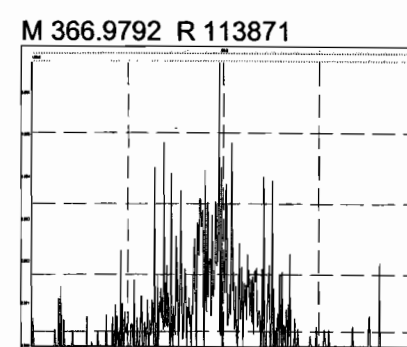
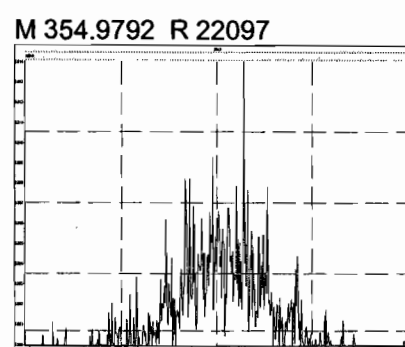
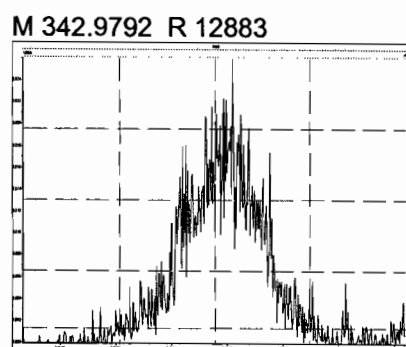
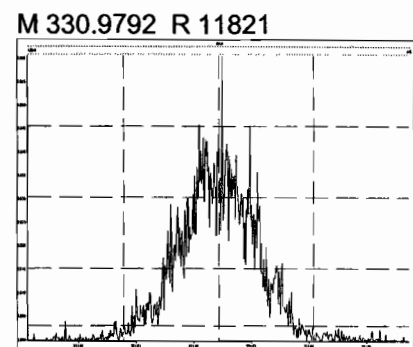
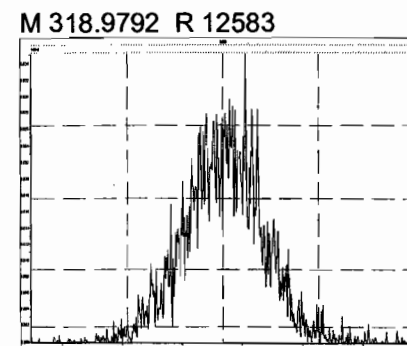
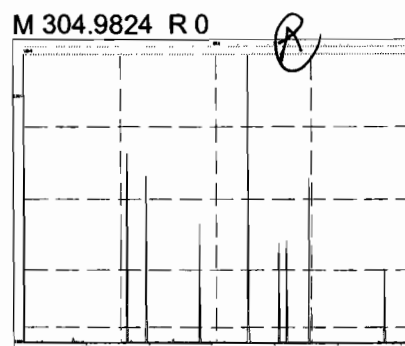
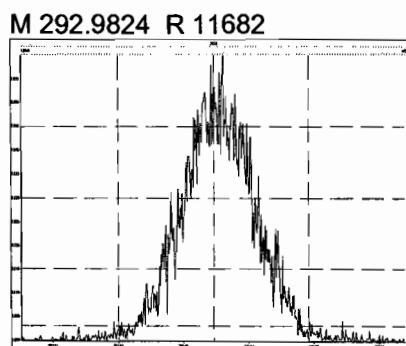
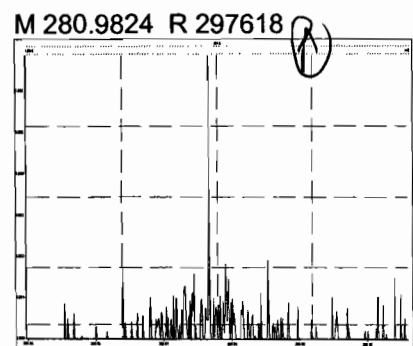
M 254.9856 R 11772



M 268.9824 R 304488

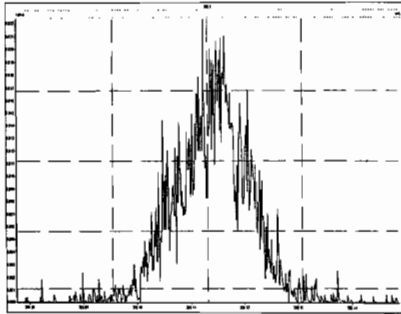


Printed: Saturday, October 12, 2019 04:21:49 Pacific Daylight Time

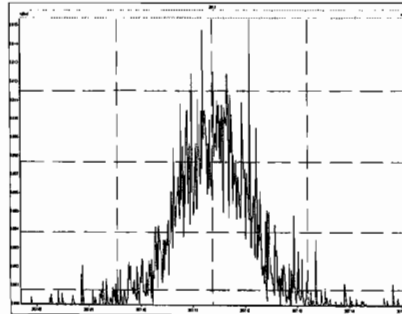


Printed: Saturday, October 12, 2019 04:21:49 Pacific Daylight Time

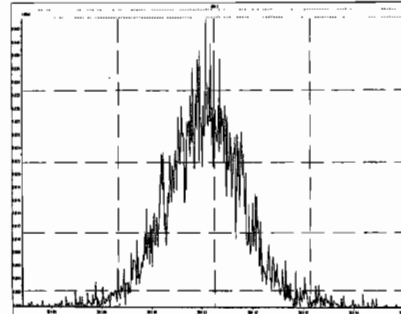
M 354.9792 R 13585



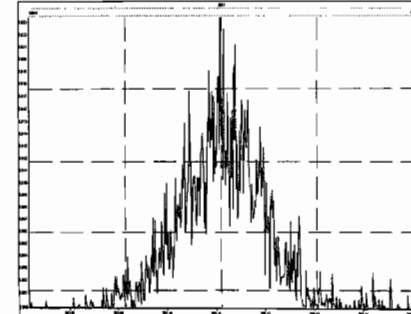
M 366.9792 R 16558



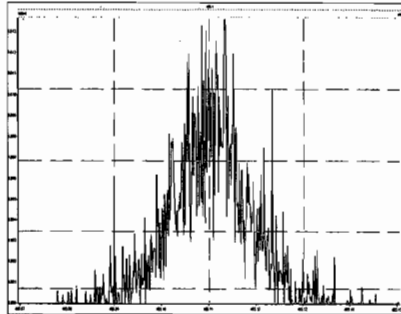
M 380.9760 R 12716



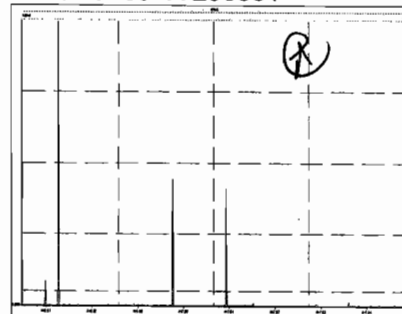
M 392.9760 R 12574



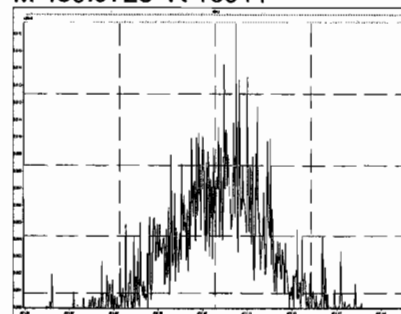
M 404.9760 R 13906



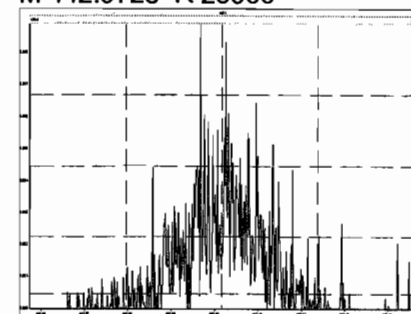
M 416.9760 R 208331



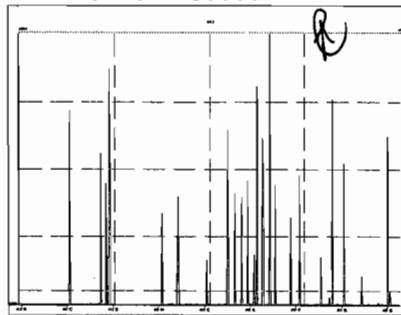
M 430.9728 R 16911



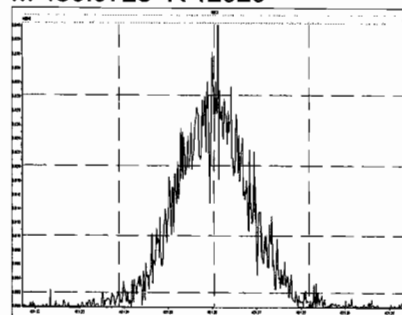
M 442.9728 R 25966



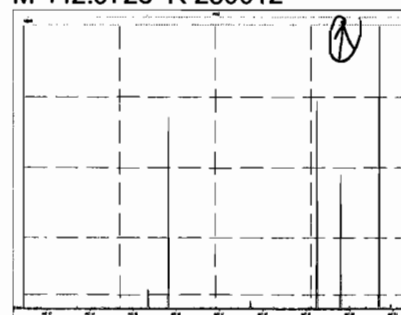
M 416.9760 R 500002



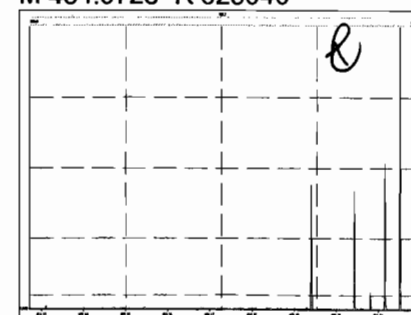
M 430.9728 R 12929



M 442.9728 R 250012

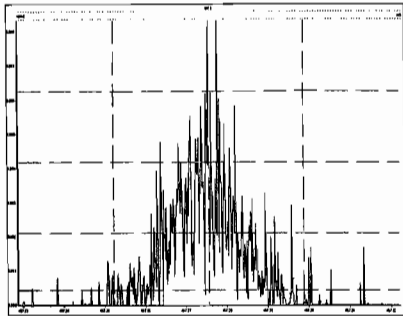


M 454.9728 R 625040

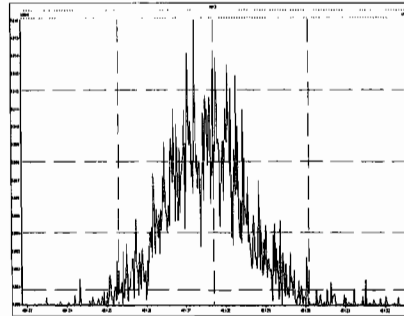


Printed: Saturday, October 12, 2019 04:21:49 Pacific Daylight Time

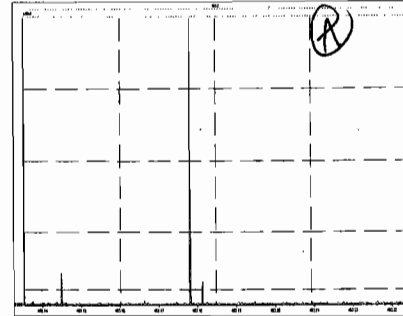
M 466.9728 R 19111



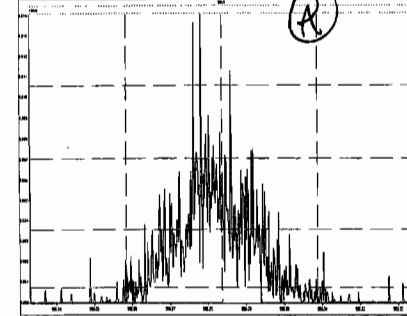
M 480.9696 R 13985



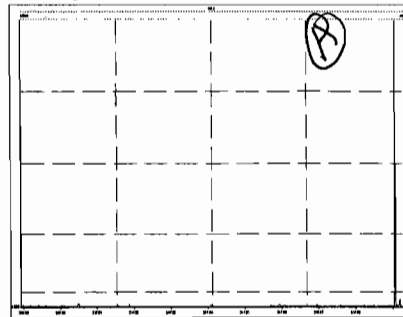
M 492.9696 R 937503



M 504.9696 R 15516



M 516.9697 R 1250052



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191012K2-1

Reviewed By: C7 10/15/19
Initials & Date

End Calibration ID: N/A

| | <u>Beg.</u> | <u>End</u> |
|--|-------------------------------------|-------------------------------------|
| Ion abundance within QC limits? | <input checked="" type="checkbox"/> | <input type="checkbox"/> N/A |
| Concentrations within criteria? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| TCDD/TCDF Valleys <25% | <input type="checkbox"/> N/A | <input type="checkbox"/> |
| First and last eluters present? | <input type="checkbox"/> N/A | <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 checked="" type="checkbox"/> |
| Correct ICAL referenced? | <u>EL</u> | <u>N/A</u> |
| Run Log: | | |
| - Correct instrument listed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> N/A |
| - Samples within 12 hour clock? | <input type="checkbox"/> (Y) | <input type="checkbox"/> N |
| - Bottle position verified? | <u>EL</u> | |

Mass resolution \geq
 5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20% N/A

8280 CS1 End Standard:

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

Comments:
 (A) Res. checks had a few peaks that did not centroid and some PFK bleeds. EL 10.14.19

| | <u>Beg.</u> | <u>End</u> |
|--|-------------------------------------|-------------------------------------|
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-2.qld

Last Altered: Monday, October 14, 2019 14:23:38 Pacific Daylight Time
Printed: Monday, October 14, 2019 14:24:48 Pacific Daylight Time

EL 10-14-19

C7 10/15/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check.RRT | Conc. | %Rec | DL | EMPC |
|----|-----------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|--------------|---------|-------|
| 1 | 1 PCB-1 | 8.06e5 | 2.94 | NO | 1.02 | 1.000 | 15.53 | 15.53 | 1.001 | 1.001 | NO | 50.92 | 102.75-125.7 | 0.00796 | 50.92 |
| 2 | 2 PCB-2 | 8.33e5 | 3.06 | NO | 1.01 | 1.000 | 17.94 | 17.94 | 0.988 | 0.988 | NO | 50.70 | 101 | 0.00797 | 50.70 |
| 3 | 3 PCB-3 | 8.26e5 | 3.05 | NO | 1.01 | 1.000 | 18.17 | 18.18 | 1.001 | 1.001 | NO | 50.40 | 101 | 0.00798 | 50.40 |
| 4 | 4 PCB-4/10 | 1.12e6 | 1.53 | NO | 1.28 | 1.000 | 19.59 | 19.59 | 1.004 | 1.004 | NO | 95.15 | 95.1 | 0.0420 | 95.15 |
| 5 | 5 PCB-7/9 | 1.33e6 | 1.55 | NO | 0.976 | 1.000 | 21.39 | 21.38 | 1.003 | 1.002 | NO | 96.68 | 96.7 | 0.0375 | 96.68 |
| 6 | 6 PCB-6 | 6.90e5 | 1.54 | NO | 1.02 | 1.000 | 22.04 | 22.03 | 1.033 | 1.033 | NO | 48.08 | 96.2 | 0.0360 | 48.08 |
| 7 | 7 PCB-5/8 | 1.38e6 | 1.54 | NO | 1.01 | 1.000 | 22.45 | 22.45 | 1.052 | 1.052 | NO | 96.51 | 96.5 | 0.0362 | 96.51 |
| 8 | 8 PCB-14 | 7.08e5 | 1.56 | NO | 1.03 | 1.000 | 23.59 | 23.58 | 0.952 | 0.952 | NO | 47.97 | 95.9 | 0.0364 | 47.97 |
| 9 | 9 PCB-11 | 7.68e5 | 1.57 | NO | 1.10 | 1.000 | 24.80 | 24.80 | 1.001 | 1.001 | NO | 49.00 | 98.0 | 0.0343 | 49.00 |
| 10 | 10 PCB-12/13 | 1.44e6 | 1.55 | NO | 1.04 | 1.000 | 25.23 | 25.17 | 1.018 | 1.016 | NO | 97.17 | 97.2 | 0.0363 | 97.17 |
| 11 | 11 PCB-15 | 7.26e5 | 1.59 | NO | 1.03 | 1.000 | 25.53 | 25.52 | 1.030 | 1.030 | NO | 49.38 | 98.8 | 0.0366 | 49.38 |
| 12 | 12 PCB-19 | 4.77e5 | 0.97 | NO | 0.934 | 1.000 | 23.77 | 23.76 | 1.001 | 1.001 | NO | 49.09 | 98.2 | 0.0114 | 49.09 |
| 13 | 13 PCB-30 | 7.66e5 | 0.98 | NO | 1.48 | 1.000 | 24.66 | 24.67 | 1.039 | 1.040 | NO | 49.73 | 99.5 | 0.00722 | 49.73 |
| 14 | 14 PCB-18 | 5.25e5 | 0.97 | NO | 0.693 | 1.000 | 25.45 | 25.45 | 0.952 | 0.952 | NO | 48.61 | 97.2 | 0.0110 | 48.61 |
| 15 | 15 PCB-17 | 4.99e5 | 0.96 | NO | 0.667 | 1.000 | 25.61 | 25.62 | 0.958 | 0.959 | NO | 48.06 | 96.1 | 0.0115 | 48.06 |
| 16 | 16 PCB-24/27 | 1.39e6 | 0.94 | NO | 0.915 | 1.000 | 26.22 | 26.21 | 0.981 | 0.981 | NO | 97.56 | 97.6 | 0.00835 | 97.56 |
| 17 | 17 PCB-16/32 | 1.19e6 | 0.94 | NO | 0.792 | 1.000 | 26.75 | 26.75 | 1.001 | 1.001 | NO | 96.60 | 96.6 | 0.00964 | 96.60 |
| 18 | 18 PCB-34 | 5.94e5 | 1.03 | NO | 0.987 | 1.000 | 27.57 | 27.57 | 0.959 | 0.959 | NO | 48.00 | 96.0 | 0.0395 | 48.00 |
| 19 | 19 PCB-23 | 5.74e5 | 1.04 | NO | 0.974 | 1.000 | 27.66 | 27.65 | 0.962 | 0.962 | NO | 46.98 | 94.0 | 0.0401 | 46.98 |
| 20 | 20 PCB-29 | 5.68e5 | 1.06 | NO | 0.953 | 1.000 | 27.93 | 27.91 | 0.972 | 0.971 | NO | 47.52 | 95.0 | 0.0409 | 47.52 |
| 21 | 21 PCB-26 | 5.93e5 | 1.06 | NO | 1.00 | 1.000 | 28.14 | 28.13 | 0.979 | 0.979 | NO | 47.26 | 94.5 | 0.0390 | 47.26 |
| 22 | 22 PCB-25 | 6.00e5 | 1.04 | NO | 0.978 | 1.000 | 28.31 | 28.30 | 0.985 | 0.984 | NO | 48.91 | 97.8 | 0.0399 | 48.91 |
| 23 | 23 PCB-31 | 6.50e5 | 1.03 | NO | 1.12 | 1.000 | 28.68 | 28.65 | 0.998 | 0.997 | NO | 46.18 | 92.4 | 0.0348 | 46.18 |
| 24 | 24 PCB-28 | 6.63e5 | 1.04 | NO | 1.11 | 1.000 | 28.76 | 28.76 | 1.001 | 1.001 | NO | 47.85 | 95.7 | 0.0353 | 47.85 |
| 25 | 25 PCB-20/21/33 | 1.78e6 | 1.03 | NO | 1.00 | 1.000 | 29.39 | 29.40 | 1.022 | 1.023 | NO | 141.4 | 94.3 | 0.0389 | 141.4 |
| 26 | 26 PCB-22 | 6.44e5 | 1.06 | NO | 1.03 | 1.000 | 29.86 | 29.84 | 1.039 | 1.038 | NO | 49.77 | 99.5 | 0.0378 | 49.77 |
| 27 | 27 PCB-36 | 6.39e5 | 1.04 | NO | 1.18 | 1.000 | 30.49 | 30.50 | 0.932 | 0.932 | NO | 47.96 | 95.9 | 0.0388 | 47.96 |
| 28 | 28 PCB-39 | 5.84e5 | 1.04 | NO | 1.08 | 1.000 | 30.96 | 30.98 | 0.946 | 0.947 | NO | 47.62 | 95.2 | 0.0421 | 47.62 |
| 29 | 29 PCB-38 | 6.21e5 | 1.05 | NO | 1.13 | 1.000 | 31.77 | 31.76 | 0.971 | 0.970 | NO | 48.64 | 97.3 | 0.0404 | 48.64 |
| 30 | 30 PCB-35 | 6.31e5 | 1.05 | NO | 1.13 | 1.000 | 32.31 | 32.30 | 0.987 | 0.987 | NO | 49.25 | 98.5 | 0.0403 | 49.25 |
| 31 | 31 PCB-37 | 6.09e5 | 1.04 | NO | 1.11 | 1.000 | 32.76 | 32.75 | 1.001 | 1.001 | NO | 48.65 | 97.3 | 0.0413 | 48.65 |
| 32 | 32 PCB-54 | 6.04e5 | 0.72 | NO | 0.996 | 1.000 | 27.59 | 27.61 | 1.001 | 1.001 | NO | 49.14 | 98.3 | 0.0134 | 49.14 |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-2.qld

Last Altered: Monday, October 14, 2019 14:23:38 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:24:48 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|--------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|--------|-------|
| 33 | 33 PCB-50 | 4.80e5 | 0.72 | NO | 0.781 | 1.000 | 28.79 | 28.80 | 1.044 | 1.045 | NO | 49.80 | 99.6 | 0.0171 | 49.80 |
| 34 | 34 PCB-53 | 4.47e5 | 0.72 | NO | 0.955 | 1.000 | 29.47 | 29.47 | 0.943 | 0.943 | NO | 47.20 | 94.4 | 0.0171 | 47.20 |
| 35 | 35 PCB-51 | 4.91e5 | 0.70 | NO | 1.02 | 1.000 | 29.82 | 29.83 | 0.955 | 0.955 | NO | 48.42 | 96.8 | 0.0159 | 48.42 |
| 36 | 36 PCB-45 | 3.86e5 | 0.72 | NO | 0.808 | 1.000 | 30.27 | 30.27 | 0.969 | 0.969 | NO | 48.23 | 96.5 | 0.0202 | 48.23 |
| 37 | 37 PCB-46 | 3.67e5 | 0.71 | NO | 0.754 | 1.000 | 30.77 | 30.77 | 0.985 | 0.985 | NO | 49.12 | 98.2 | 0.0216 | 49.12 |
| 38 | 38 PCB-52/69 | 1.02e6 | 0.72 | NO | 1.09 | 1.000 | 31.28 | 31.28 | 1.001 | 1.001 | NO | 94.07 | 94.1 | 0.0149 | 94.07 |
| 39 | 39 PCB-73 | 6.48e5 | 0.73 | NO | 1.29 | 1.000 | 31.40 | 31.39 | 1.005 | 1.005 | NO | 50.69 | 101 | 0.0126 | 50.69 |
| 40 | 40 PCB-43/49 | 8.94e5 | 0.72 | NO | 0.940 | 1.000 | 31.56 | 31.56 | 1.010 | 1.010 | NO | 95.89 | 95.9 | 0.0173 | 95.89 |
| 41 | 41 PCB-47 | 4.21e5 | 0.71 | NO | 0.869 | 1.000 | 31.78 | 31.78 | 1.001 | 1.001 | NO | 45.58 | 91.2 | 0.0180 | 45.58 |
| 42 | 42 PCB-48/75 | 1.06e6 | 0.72 | NO | 1.02 | 1.000 | 31.89 | 31.89 | 1.004 | 1.004 | NO | 97.64 | 97.6 | 0.0153 | 97.64 |
| 43 | 43 PCB-65 | 6.08e5 | 0.71 | NO | 1.11 | 1.000 | 32.16 | 32.17 | 1.013 | 1.013 | NO | 51.66 | 103 | 0.0141 | 51.66 |
| 44 | 44 PCB-62 | 4.98e5 | 0.72 | NO | 1.07 | 1.000 | 32.27 | 32.26 | 1.016 | 1.016 | NO | 44.03 | 88.1 | 0.0147 | 44.03 |
| 45 | 45 PCB-44 | 3.83e5 | 0.73 | NO | 0.761 | 1.000 | 32.61 | 32.60 | 1.027 | 1.026 | NO | 47.40 | 94.8 | 0.0205 | 47.40 |
| 46 | 46 PCB-42/59 | 9.89e5 | 0.71 | NO | 0.960 | 1.000 | 32.82 | 32.82 | 1.033 | 1.033 | NO | 96.97 | 97.0 | 0.0163 | 96.97 |
| 47 | 47 PCB-41/64/71/72 | 2.21e6 | 0.72 | NO | 1.08 | 1.000 | 33.44 | 33.44 | 1.053 | 1.053 | NO | 192.0 | 96.0 | 0.0144 | 192.0 |
| 48 | 48 PCB-68 | 5.70e5 | 0.71 | NO | 1.11 | 1.000 | 33.70 | 33.70 | 1.061 | 1.061 | NO | 48.40 | 96.8 | 0.0141 | 48.40 |
| 49 | 49 PCB-40 | 2.83e5 | 0.72 | NO | 0.577 | 1.000 | 33.93 | 33.92 | 1.068 | 1.068 | NO | 46.27 | 92.5 | 0.0271 | 46.27 |
| 50 | 50 PCB-57 | 6.11e5 | 0.71 | NO | 1.05 | 1.000 | 34.29 | 34.29 | 0.969 | 0.969 | NO | 49.44 | 98.9 | 0.0133 | 49.44 |
| 51 | 51 PCB-67 | 5.57e5 | 0.71 | NO | 0.993 | 1.000 | 34.62 | 34.61 | 0.978 | 0.978 | NO | 47.58 | 95.2 | 0.0140 | 47.58 |
| 52 | 52 PCB-58 | 6.36e5 | 0.72 | NO | 1.11 | 1.000 | 34.75 | 34.74 | 0.982 | 0.982 | NO | 48.44 | 96.9 | 0.0125 | 48.44 |
| 53 | 53 PCB-63 | 5.57e5 | 0.71 | NO | 0.962 | 1.000 | 34.90 | 34.89 | 0.986 | 0.986 | NO | 49.09 | 98.2 | 0.0145 | 49.09 |
| 54 | 54 PCB-74 | 6.14e5 | 0.71 | NO | 1.07 | 1.000 | 35.19 | 35.19 | 0.994 | 0.994 | NO | 48.85 | 97.7 | 0.0130 | 48.85 |
| 55 | 55 PCB-61/70 | 1.11e6 | 0.72 | NO | 0.986 | 1.000 | 35.41 | 35.41 | 1.000 | 1.001 | NO | 95.80 | 95.8 | 0.0141 | 95.80 |
| 56 | 56 PCB-76/66 | 1.22e6 | 0.72 | NO | 1.07 | 1.000 | 35.57 | 35.60 | 1.005 | 1.006 | NO | 96.61 | 96.6 | 0.0130 | 96.61 |
| 57 | 57 PCB-80 | 6.32e5 | 0.72 | NO | 1.08 | 1.000 | 35.84 | 35.84 | 1.001 | 1.001 | NO | 47.78 | 95.6 | 0.0125 | 47.78 |
| 58 | 58 PCB-55 | 6.08e5 | 0.73 | NO | 1.07 | 1.000 | 36.16 | 36.17 | 1.010 | 1.010 | NO | 46.66 | 93.3 | 0.0127 | 46.66 |
| 59 | 59 PCB-56/60 | 1.11e6 | 0.71 | NO | 0.934 | 1.000 | 36.66 | 36.67 | 1.024 | 1.024 | NO | 97.30 | 97.3 | 0.0145 | 97.30 |
| 60 | 60 PCB-79 | 6.10e5 | 0.72 | NO | 1.04 | 1.000 | 37.78 | 37.77 | 1.055 | 1.055 | NO | 47.82 | 95.6 | 0.0130 | 47.82 |
| 61 | 61 PCB-78 | 5.87e5 | 0.72 | NO | 1.03 | 1.000 | 38.50 | 38.50 | 0.987 | 0.987 | NO | 48.24 | 96.5 | 0.0138 | 48.24 |
| 62 | 62 PCB-81 | 5.21e5 | 0.72 | NO | 0.933 | 1.000 | 39.04 | 39.04 | 1.000 | 1.000 | NO | 47.38 | 94.8 | 0.0153 | 47.38 |
| 63 | 63 PCB-77 | 5.90e5 | 0.73 | NO | 1.03 | 1.000 | 39.65 | 39.65 | 1.000 | 1.000 | NO | 50.03 | 100 | 0.0144 | 50.03 |
| 64 | 64 PCB-104 | 6.61e5 | 1.46 | NO | 0.995 | 1.000 | 32.45 | 32.45 | 1.001 | 1.001 | NO | 48.59 | 97.2 | 0.0124 | 48.59 |
| 65 | 65 PCB-96 | 6.59e5 | 1.50 | NO | 0.996 | 1.000 | 33.74 | 33.75 | 1.041 | 1.041 | NO | 48.36 | 96.7 | 0.0124 | 48.36 |
| 66 | 66 PCB-103 | 5.01e5 | 1.49 | NO | 0.774 | 1.000 | 34.31 | 34.31 | 1.058 | 1.058 | NO | 47.28 | 94.6 | 0.0159 | 47.28 |
| 67 | 67 PCB-100 | 5.13e5 | 1.50 | NO | 0.778 | 1.000 | 34.68 | 34.68 | 1.069 | 1.069 | NO | 48.20 | 96.4 | 0.0159 | 48.20 |
| 68 | 68 PCB-94 | 4.08e5 | 1.49 | NO | 0.773 | 1.000 | 35.17 | 35.17 | 0.985 | 0.985 | NO | 49.10 | 98.2 | 0.0199 | 49.10 |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-2.qld

Last Altered: Monday, October 14, 2019 14:23:38 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:24:48 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|-------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|---------|-------|
| 69 | 69 PCB-95/98/102 | 1.62e6 | 1.48 | NO | 1.01 | 1.000 | 35.64 | 35.65 | 0.999 | 0.999 | NO | 148.9 | 99.2 | 0.0152 | 148.9 |
| 70 | 70 PCB-93 | 3.77e5 | 1.51 | NO | 0.841 | 1.000 | 35.77 | 35.78 | 1.002 | 1.003 | NO | 41.75 | 83.5 | 0.0183 | 41.75 |
| 71 | 71 PCB-88/91 | 9.44e5 | 1.48 | NO | 0.890 | 1.000 | 36.12 | 36.12 | 1.012 | 1.012 | NO | 98.87 | 98.9 | 0.0173 | 98.87 |
| 72 | 72 PCB-121 | 6.92e5 | 1.51 | NO | 1.39 | 1.000 | 36.21 | 36.21 | 1.015 | 1.015 | NO | 46.52 | 93.0 | 0.0111 | 46.52 |
| 73 | 73 PCB-84/92 | 8.80e5 | 1.50 | NO | 0.879 | 1.000 | 37.07 | 37.06 | 0.990 | 0.990 | NO | 96.18 | 96.2 | 0.0180 | 96.18 |
| 74 | 74 PCB-89 | 4.98e5 | 1.49 | NO | 0.959 | 1.000 | 37.28 | 37.25 | 0.996 | 0.995 | NO | 49.80 | 99.6 | 0.0165 | 49.80 |
| 75 | 75 PCB-90/101 | 9.64e5 | 1.46 | NO | 0.944 | 1.000 | 37.46 | 37.46 | 1.000 | 1.001 | NO | 98.03 | 98.0 | 0.0168 | 98.03 |
| 76 | 76 PCB-113 | 6.62e5 | 1.48 | NO | 1.23 | 1.000 | 37.70 | 37.70 | 1.007 | 1.007 | NO | 51.66 | 103 | 0.0129 | 51.66 |
| 77 | 77 PCB-99 | 5.33e5 | 1.49 | NO | 1.12 | 1.000 | 37.80 | 37.79 | 1.010 | 1.009 | NO | 45.71 | 91.4 | 0.0142 | 45.71 |
| 78 | 78 PCB-119 | 6.41e5 | 1.48 | NO | 1.47 | 1.000 | 38.27 | 38.28 | 0.987 | 0.987 | NO | 47.81 | 95.6 | 0.0124 | 47.81 |
| 79 | 79 PCB-108/112 | 1.08e6 | 1.49 | NO | 1.25 | 1.000 | 38.43 | 38.42 | 0.991 | 0.991 | NO | 95.24 | 95.2 | 0.0146 | 95.24 |
| 80 | 80 PCB-83 | 6.70e5 | 1.47 | NO | 1.55 | 1.000 | 38.60 | 38.59 | 0.996 | 0.995 | NO | 47.55 | 95.1 | 0.0118 | 47.55 |
| 81 | 81 PCB-97 | 4.71e5 | 1.46 | NO | 1.07 | 1.000 | 38.82 | 38.80 | 1.001 | 1.000 | NO | 48.11 | 96.2 | 0.0170 | 48.11 |
| 82 | 82 PCB-86 | 4.59e5 | 1.47 | NO | 0.996 | 1.000 | 38.96 | 38.96 | 1.005 | 1.005 | NO | 50.55 | 101 | 0.0184 | 50.55 |
| 83 | 83 PCB-87/117/125 | 1.76e6 | 1.48 | NO | 1.33 | 1.000 | 39.07 | 39.09 | 1.008 | 1.008 | NO | 144.7 | 96.4 | 0.0137 | 144.7 |
| 84 | 84 PCB-111/115 | 1.44e6 | 1.45 | NO | 1.60 | 1.000 | 39.24 | 39.24 | 1.012 | 1.012 | NO | 98.60 | 98.6 | 0.0114 | 98.60 |
| 85 | 85 PCB-85/116 | 1.04e6 | 1.47 | NO | 1.22 | 1.000 | 39.36 | 39.37 | 1.015 | 1.015 | NO | 94.02 | 94.0 | 0.0150 | 94.02 |
| 86 | 86 PCB-120 | 7.35e5 | 1.50 | NO | 1.68 | 1.000 | 39.63 | 39.63 | 1.022 | 1.022 | NO | 47.98 | 96.0 | 0.0109 | 47.98 |
| 87 | 87 PCB-110 | 6.46e5 | 1.52 | NO | 1.49 | 1.000 | 39.77 | 39.78 | 1.026 | 1.026 | NO | 47.72 | 95.4 | 0.0123 | 47.72 |
| 88 | 88 PCB-82 | 3.99e5 | 1.52 | NO | 0.674 | 1.000 | 40.39 | 40.42 | 0.975 | 0.976 | NO | 49.71 | 99.4 | 0.0216 | 49.71 |
| 89 | 89 PCB-124 | 6.25e5 | 1.47 | NO | 1.16 | 1.000 | 41.13 | 41.12 | 0.993 | 0.993 | NO | 45.10 | 90.2 | 0.0125 | 45.10 |
| 90 | 90 PCB-107/109 | 1.36e6 | 1.50 | NO | 1.17 | 1.000 | 41.27 | 41.27 | 0.996 | 0.996 | NO | 97.85 | 97.9 | 0.0125 | 97.85 |
| 91 | 91 PCB-123 | 5.87e5 | 1.49 | NO | 1.04 | 1.000 | 41.44 | 41.46 | 1.000 | 1.001 | NO | 47.29 | 94.6 | 0.0140 | 47.29 |
| 92 | 92 PCB-106/118 | 1.27e6 | 1.50 | NO | 1.07 | 1.000 | 41.66 | 41.66 | 1.001 | 1.001 | NO | 96.22 | 96.2 | 0.0131 | 96.22 |
| 93 | 93 PCB-114 | 4.24e5 | 1.55 | NO | 1.16 | 1.000 | 42.30 | 42.30 | 1.000 | 1.000 | NO | 46.97 | 93.9 | 0.0317 | 46.97 |
| 94 | 94 PCB-122 | 3.89e5 | 1.57 | NO | 0.973 | 1.000 | 42.43 | 42.45 | 1.003 | 1.004 | NO | 51.43 | 103 | 0.0378 | 51.43 |
| 95 | 95 PCB-105 | 4.33e5 | 1.59 | NO | 1.10 | 1.000 | 43.19 | 43.21 | 1.000 | 1.001 | NO | 48.51 | 97.0 | 0.0317 | 48.51 |
| 96 | 96 PCB-127 | 4.58e5 | 1.56 | NO | 1.11 | 1.000 | 43.55 | 43.55 | 1.000 | 1.000 | NO | 49.18 | 98.4 | 0.0300 | 49.18 |
| 97 | 97 PCB-126 | 4.70e5 | 1.56 | NO | 1.21 | 1.000 | 45.50 | 45.50 | 1.000 | 1.000 | NO | 49.63 | 99.3 | 0.0306 | 49.63 |
| 98 | 98 PCB-155 | 5.62e5 | 1.22 | NO | 0.874 | 1.000 | 36.97 | 36.99 | 1.000 | 1.001 | NO | 49.22 | 98.4 | 0.00782 | 49.22 |
| 99 | 99 PCB-150 | 5.92e5 | 1.23 | NO | 0.881 | 1.000 | 38.27 | 38.29 | 1.036 | 1.036 | NO | 51.45 | 103 | 0.00776 | 51.45 |
| 100 | 1... PCB-152 | 6.69e5 | 1.24 | NO | 1.00 | 1.000 | 38.76 | 38.78 | 1.049 | 1.049 | NO | 50.94 | 102 | 0.00681 | 50.94 |
| 101 | 1... PCB-145 | 6.60e5 | 1.21 | NO | 1.00 | 1.000 | 39.20 | 39.24 | 1.061 | 1.062 | NO | 50.51 | 101 | 0.00684 | 50.51 |
| 102 | 1... PCB-136 | 5.84e5 | 1.25 | NO | 0.843 | 1.000 | 39.56 | 39.56 | 1.071 | 1.070 | NO | 52.94 | 106 | 0.00811 | 52.94 |
| 103 | 1... PCB-148 | 4.29e5 | 1.28 | NO | 0.693 | 1.000 | 39.67 | 39.69 | 1.073 | 1.074 | NO | 47.28 | 94.6 | 0.00986 | 47.28 |
| 104 | 1... PCB-154 | 4.75e5 | 1.24 | NO | 0.724 | 1.000 | 40.16 | 40.19 | 1.087 | 1.088 | NO | 50.20 | 100 | 0.00944 | 50.20 |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-2.qld

Last Altered: Monday, October 14, 2019 14:23:38 Pacific Daylight Time
Printed: Monday, October 14, 2019 14:24:48 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|----------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|---------|-------|
| 105 | 1... PCB-151 | 4.13e5 | 1.22 | NO | 0.632 | 1.000 | 40.83 | 40.84 | 1.105 | 1.105 | NO | 50.01 | 100 | 0.0108 | 50.01 |
| 106 | 1... PCB-135 | 4.63e5 | 1.34 | NO | 0.716 | 1.000 | 41.05 | 41.08 | 1.111 | 1.112 | NO | 49.43 | 98.9 | 0.00955 | 49.43 |
| 107 | 1... PCB-144 | 4.24e5 | 1.08 | NO | 0.667 | 1.000 | 41.16 | 41.18 | 1.114 | 1.114 | NO | 48.61 | 97.2 | 0.0103 | 48.61 |
| 108 | 1... PCB-147 | 4.33e5 | 1.23 | NO | 0.661 | 1.000 | 41.28 | 41.33 | 1.117 | 1.118 | NO | 50.12 | 100 | 0.0103 | 50.12 |
| 109 | 1... PCB-139/149 | 9.83e5 | 1.22 | NO | 0.738 | 1.000 | 41.57 | 41.59 | 1.125 | 1.125 | NO | 101.8 | 102 | 0.00926 | 101.8 |
| 110 | 1... PCB-140 | 4.20e5 | 1.22 | NO | 0.627 | 1.000 | 41.76 | 41.79 | 1.130 | 1.131 | NO | 51.15 | 102 | 0.0109 | 51.15 |
| 111 | 1... PCB-134/143 | 6.20e5 | 1.18 | NO | 0.733 | 1.000 | 42.25 | 42.24 | 0.975 | 0.975 | NO | 96.29 | 96.3 | 0.0503 | 96.29 |
| 112 | 1... PCB-131/133 | 6.74e5 | 1.17 | NO | 0.790 | 1.000 | 42.54 | 42.55 | 0.982 | 0.982 | NO | 97.15 | 97.2 | 0.0467 | 97.15 |
| 113 | 1... PCB-142 | 3.09e5 | 1.21 | NO | 0.708 | 1.000 | 42.69 | 42.70 | 0.985 | 0.985 | NO | 49.70 | 99.4 | 0.0521 | 49.70 |
| 114 | 1... PCB-146/165 | 8.09e5 | 1.17 | NO | 0.959 | 1.000 | 42.94 | 42.94 | 0.991 | 0.991 | NO | 96.01 | 96.0 | 0.0384 | 96.01 |
| 115 | 1... PCB-132/161 | 8.29e5 | 1.18 | NO | 0.974 | 1.000 | 43.18 | 43.19 | 0.996 | 0.996 | NO | 96.95 | 96.9 | 0.0378 | 96.95 |
| 116 | 1... PCB-153 | 4.19e5 | 1.17 | NO | 1.01 | 1.000 | 43.36 | 43.38 | 1.000 | 1.001 | NO | 47.17 | 94.3 | 0.0364 | 47.17 |
| 117 | 1... PCB-168 | 4.36e5 | 1.20 | NO | 1.02 | 1.000 | 43.59 | 43.59 | 1.006 | 1.006 | NO | 48.71 | 97.4 | 0.0362 | 48.71 |
| 118 | 1... PCB-141 | 3.45e5 | 1.21 | NO | 0.967 | 1.000 | 44.14 | 44.14 | 1.000 | 1.000 | NO | 47.38 | 94.8 | 0.0454 | 47.38 |
| 119 | 1... PCB-137 | 3.43e5 | 1.16 | NO | 0.987 | 1.000 | 44.52 | 44.52 | 1.009 | 1.009 | NO | 46.13 | 92.3 | 0.0445 | 46.13 |
| 120 | 1... PCB-130 | 3.10e5 | 1.17 | NO | 0.840 | 1.000 | 44.63 | 44.63 | 1.012 | 1.012 | NO | 48.99 | 98.0 | 0.0523 | 48.99 |
| 121 | 1... PCB-138/163/164 | 1.35e6 | 1.18 | NO | 1.23 | 1.000 | 45.01 | 45.03 | 1.001 | 1.001 | NO | 145.1 | 96.7 | 0.0347 | 145.1 |
| 122 | 1... PCB-158/160 | 8.58e5 | 1.17 | NO | 1.18 | 1.000 | 45.25 | 45.28 | 1.006 | 1.007 | NO | 96.21 | 96.2 | 0.0361 | 96.21 |
| 123 | 1... PCB-129 | 3.00e5 | 1.22 | NO | 0.819 | 1.000 | 45.50 | 45.52 | 1.012 | 1.012 | NO | 48.43 | 96.9 | 0.0519 | 48.43 |
| 124 | 1... PCB-166 | 4.87e5 | 1.18 | NO | 1.07 | 1.000 | 45.98 | 45.97 | 0.993 | 0.993 | NO | 49.33 | 98.7 | 0.0335 | 49.33 |
| 125 | 1... PCB-159 | 5.37e5 | 1.18 | NO | 1.12 | 1.000 | 46.32 | 46.32 | 1.000 | 1.000 | NO | 51.91 | 104 | 0.0320 | 51.91 |
| 126 | 1... PCB-128/162 | 7.96e5 | 1.18 | NO | 0.851 | 1.000 | 46.60 | 46.62 | 1.007 | 1.007 | NO | 101.3 | 101 | 0.0421 | 101.3 |
| 127 | 1... PCB-167 | 4.65e5 | 1.17 | NO | 1.04 | 1.000 | 47.02 | 47.04 | 1.000 | 1.001 | NO | 47.86 | 95.7 | 0.0348 | 47.86 |
| 128 | 1... PCB-156 | 4.74e5 | 1.16 | NO | 1.06 | 1.000 | 48.34 | 48.36 | 1.000 | 1.001 | NO | 49.05 | 98.1 | 0.0351 | 49.05 |
| 129 | 1... PCB-157 | 4.44e5 | 1.18 | NO | 0.978 | 1.000 | 48.65 | 48.63 | 1.001 | 1.000 | NO | 48.32 | 96.6 | 0.0356 | 48.32 |
| 130 | 1... PCB-169 | 4.80e5 | 1.20 | NO | 1.11 | 1.000 | 50.90 | 50.90 | 1.000 | 1.000 | NO | 46.89 | 93.8 | 0.0333 | 46.89 |
| 131 | 1... PCB-188 | 5.80e5 | 1.02 | NO | 1.19 | 1.000 | 43.00 | 42.98 | 1.001 | 1.000 | NO | 49.30 | 98.6 | 0.0201 | 49.30 |
| 132 | 1... PCB-184 | 5.59e5 | 1.01 | NO | 1.17 | 1.000 | 43.44 | 43.46 | 1.011 | 1.011 | NO | 48.53 | 97.1 | 0.0205 | 48.53 |
| 133 | 1... PCB-179 | 5.81e5 | 1.01 | NO | 1.18 | 1.000 | 44.25 | 44.25 | 1.030 | 1.030 | NO | 50.04 | 100 | 0.0203 | 50.04 |
| 134 | 1... PCB-176 | 5.76e5 | 1.02 | NO | 1.16 | 1.000 | 44.72 | 44.72 | 1.041 | 1.041 | NO | 50.39 | 101 | 0.0206 | 50.39 |
| 135 | 1... PCB-186 | 6.17e5 | 1.02 | NO | 1.22 | 1.000 | 45.33 | 45.35 | 1.055 | 1.056 | NO | 51.36 | 103 | 0.0196 | 51.36 |
| 136 | 1... PCB-178 | 4.13e5 | 1.03 | NO | 0.830 | 1.000 | 45.84 | 45.86 | 1.067 | 1.067 | NO | 50.35 | 101 | 0.0288 | 50.35 |
| 137 | 1... PCB-175 | 4.11e5 | 1.03 | NO | 0.849 | 1.000 | 46.20 | 46.22 | 1.075 | 1.076 | NO | 49.08 | 98.2 | 0.0282 | 49.08 |
| 138 | 1... PCB-182/187 | 9.58e5 | 1.01 | NO | 0.960 | 1.000 | 46.40 | 46.41 | 1.080 | 1.080 | NO | 101.1 | 101 | 0.0249 | 101.1 |
| 139 | 1... PCB-183 | 4.67e5 | 1.02 | NO | 0.957 | 1.000 | 46.73 | 46.73 | 1.088 | 1.088 | NO | 49.49 | 99.0 | 0.0250 | 49.49 |
| 140 | 1... PCB-185 | 4.21e5 | 1.02 | NO | 1.32 | 1.000 | 47.43 | 47.42 | 0.955 | 0.955 | NO | 46.29 | 92.6 | 0.0270 | 46.29 |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-2.qld

Last Altered: Monday, October 14, 2019 14:23:38 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:24:48 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|---------|-------|
| 141 | 1... PCB-174 | 3.99e5 | 1.01 | NO | 1.22 | 1.000 | 47.80 | 47.78 | 0.962 | 0.962 | NO | 47.47 | 94.9 | 0.0292 | 47.47 |
| 142 | 1... PCB-181 | 4.68e5 | 1.01 | NO | 1.41 | 1.000 | 47.90 | 47.89 | 0.964 | 0.964 | NO | 47.96 | 95.9 | 0.0252 | 47.96 |
| 143 | 1... PCB-177 | 3.88e5 | 1.01 | NO | 1.24 | 1.000 | 48.08 | 48.06 | 0.968 | 0.968 | NO | 45.39 | 90.8 | 0.0287 | 45.39 |
| 144 | 1... PCB-171 | 4.10e5 | 1.01 | NO | 1.24 | 1.000 | 48.37 | 48.36 | 0.974 | 0.974 | NO | 47.91 | 95.8 | 0.0287 | 47.91 |
| 145 | 1... PCB-173 | 3.65e5 | 1.01 | NO | 1.14 | 1.000 | 48.81 | 48.80 | 0.983 | 0.982 | NO | 46.37 | 92.7 | 0.0312 | 46.37 |
| 146 | 1... PCB-172 | 4.17e5 | 1.04 | NO | 1.31 | 1.000 | 49.29 | 49.27 | 0.992 | 0.992 | NO | 46.26 | 92.5 | 0.0272 | 46.26 |
| 147 | 1... PCB-192 | 5.46e5 | 1.02 | NO | 1.70 | 1.000 | 49.48 | 49.46 | 0.996 | 0.996 | NO | 46.54 | 93.1 | 0.0209 | 46.54 |
| 148 | 1... PCB-180 | 4.38e5 | 1.02 | NO | 1.32 | 1.000 | 49.69 | 49.69 | 1.000 | 1.000 | NO | 48.08 | 96.2 | 0.0270 | 48.08 |
| 149 | 1... PCB-193 | 4.99e5 | 1.01 | NO | 1.54 | 1.000 | 49.92 | 49.90 | 1.005 | 1.005 | NO | 46.97 | 93.9 | 0.0231 | 46.97 |
| 150 | 1... PCB-191 | 5.12e5 | 1.02 | NO | 1.57 | 1.000 | 50.16 | 50.16 | 1.010 | 1.010 | NO | 47.17 | 94.3 | 0.0226 | 47.17 |
| 151 | 1... PCB-170 | 3.86e5 | 1.05 | NO | 1.36 | 1.000 | 51.36 | 51.36 | 1.000 | 1.000 | NO | 46.81 | 93.6 | 0.0304 | 46.81 |
| 152 | 1... PCB-190 | 5.03e5 | 1.03 | NO | 1.84 | 1.000 | 51.54 | 51.55 | 1.004 | 1.004 | NO | 45.00 | 90.0 | 0.0224 | 45.00 |
| 153 | 1... PCB-189 | 5.49e5 | 1.02 | NO | 1.33 | 1.000 | 53.08 | 53.08 | 1.000 | 1.000 | NO | 49.51 | 99.0 | 0.0203 | 49.51 |
| 154 | 1... PCB-202 | 5.68e5 | 0.88 | NO | 1.02 | 1.000 | 48.59 | 48.57 | 1.001 | 1.000 | NO | 49.52 | 99.0 | 0.0104 | 49.52 |
| 155 | 1... PCB-201 | 5.12e5 | 0.88 | NO | 0.915 | 1.000 | 49.08 | 49.08 | 1.011 | 1.011 | NO | 50.00 | 100 | 0.0116 | 50.00 |
| 156 | 1... PCB-204 | 5.37e5 | 0.90 | NO | 0.979 | 1.000 | 49.22 | 49.23 | 1.014 | 1.014 | NO | 48.98 | 98.0 | 0.0109 | 48.98 |
| 157 | 1... PCB-197 | 5.44e5 | 0.87 | NO | 0.979 | 1.000 | 49.54 | 49.54 | 1.020 | 1.020 | NO | 49.68 | 99.4 | 0.0109 | 49.68 |
| 158 | 1... PCB-200 | 5.29e5 | 0.88 | NO | 0.954 | 1.000 | 50.49 | 50.49 | 1.040 | 1.040 | NO | 49.53 | 99.1 | 0.0112 | 49.53 |
| 159 | 1... PCB-198 | 4.06e5 | 0.87 | NO | 0.748 | 1.000 | 52.04 | 52.06 | 1.072 | 1.072 | NO | 48.52 | 97.0 | 0.0142 | 48.52 |
| 160 | 1... PCB-199 | 4.07e5 | 0.88 | NO | 0.706 | 1.000 | 52.16 | 52.19 | 1.074 | 1.075 | NO | 51.47 | 103 | 0.0151 | 51.47 |
| 161 | 1... PCB-196/203 | 8.62e5 | 0.88 | NO | 0.785 | 1.000 | 52.48 | 52.49 | 1.081 | 1.081 | NO | 98.17 | 98.2 | 0.0136 | 98.17 |
| 162 | 1... PCB-195 | 3.01e5 | 0.89 | NO | 1.03 | 1.000 | 53.80 | 53.80 | 0.984 | 0.983 | NO | 47.30 | 94.6 | 0.0242 | 47.30 |
| 163 | 1... PCB-194 | 3.40e5 | 0.89 | NO | 1.16 | 1.000 | 54.72 | 54.72 | 1.000 | 1.000 | NO | 47.81 | 95.6 | 0.0216 | 47.81 |
| 164 | 1... PCB-205 | 4.22e5 | 0.87 | NO | 1.40 | 1.000 | 54.98 | 55.00 | 1.005 | 1.005 | NO | 48.88 | 97.8 | 0.0178 | 48.88 |
| 165 | 1... PCB-208 | 3.80e5 | 1.29 | NO | 0.934 | 1.000 | 53.95 | 53.94 | 1.000 | 1.000 | NO | 47.23 | 94.5 | 0.0222 | 47.23 |
| 166 | 1... PCB-207 | 3.84e5 | 1.29 | NO | 0.912 | 1.000 | 54.26 | 54.28 | 1.006 | 1.007 | NO | 48.80 | 97.6 | 0.0227 | 48.80 |
| 167 | 1... PCB-206 | 3.05e5 | 1.31 | NO | 0.987 | 1.000 | 56.24 | 56.24 | 1.000 | 1.000 | NO | 48.28 | 96.6 | 0.0272 | 48.28 |
| 168 | 1... PCB-209 | 3.83e5 | 1.18 | NO | 0.943 | 1.000 | 57.47 | 57.48 | 1.000 | 1.000 | NO | 48.28 | 96.6 | 0.00484 | 48.28 |
| 169 | 1... 13C-PCB-1 | 1.55e6 | 3.16 | NO | 1.08 | 1.000 | 15.51 | 15.52 | 0.608 | 0.609 | NO | 95.04 | 95.0 | 0.0778 | 95.04 |
| 170 | 1... 13C-PCB-3 | 1.63e6 | 3.27 | NO | 1.09 | 1.000 | 18.16 | 18.16 | 0.712 | 0.712 | NO | 98.49 | 98.5 | 0.0768 | 98.49 |
| 171 | 1... 13C-PCB-4 | 9.20e5 | 1.58 | NO | 0.640 | 1.000 | 19.52 | 19.51 | 0.765 | 0.765 | NO | 94.94 | 94.9 | 0.0298 | 94.94 |
| 172 | 1... 13C-PCB-9 | 1.41e6 | 1.55 | NO | 0.995 | 1.000 | 21.34 | 21.33 | 0.837 | 0.837 | NO | 93.66 | 93.7 | 0.0191 | 93.66 |
| 173 | 1... 13C-PCB-11 | 1.43e6 | 1.57 | NO | 0.971 | 1.000 | 24.79 | 24.78 | 0.972 | 0.972 | NO | 97.18 | 97.2 | 0.0196 | 97.18 |
| 174 | 1... 13C-PCB-19 | 1.04e6 | 0.96 | NO | 0.637 | 1.000 | 23.75 | 23.74 | 0.931 | 0.931 | NO | 107.8 | 108 | 0.245 | 107.8 |
| 175 | 1... 13C-PCB-32 | 1.56e6 | 0.98 | NO | 0.910 | 1.000 | 26.74 | 26.73 | 1.048 | 1.048 | NO | 113.0 | 113 | 0.172 | 113.0 |
| 176 | 1... 13C-PCB-28 | 1.25e6 | 0.96 | NO | 1.07 | 1.000 | 28.74 | 28.75 | 1.004 | 1.004 | NO | 99.36 | 99.4 | 0.200 | 99.36 |

TS - 125
50 - 145

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-2.qld

Last Altered: Monday, October 14, 2019 14:23:38 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:24:48 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|---------|---------|
| 177 | 1... 13C-PCB-37 | 1.13e6 | 0.96 | NO | 0.959 | 1.000 | 32.72 | 32.73 | 1.143 | 1.143 | NO | 99.95 | 99.9 | 50-145% | 0.223 |
| 178 | 1... 13C-PCB-54 | 1.23e6 | 0.73 | NO | 1.10 | 1.000 | 27.59 | 27.57 | 0.753 | 0.752 | NO | 95.33 | 95.3 | | 0.0506 |
| 179 | 1... 13C-PCB-52 | 9.92e5 | 0.76 | NO | 0.844 | 1.000 | 31.25 | 31.24 | 0.853 | 0.852 | NO | 99.68 | 99.7 | | 0.0658 |
| 180 | 1... 13C-PCB-47 | 1.06e6 | 0.73 | NO | 0.893 | 1.000 | 31.77 | 31.76 | 0.867 | 0.866 | NO | 100.9 | 101 | | 0.0622 |
| 181 | 1... 13C-PCB-70 | 1.18e6 | 0.74 | NO | 1.01 | 1.000 | 35.39 | 35.39 | 0.965 | 0.965 | NO | 99.35 | 99.4 | | 0.0551 |
| 182 | 1... 13C-PCB-80 | 1.22e6 | 0.76 | NO | 1.05 | 1.000 | 35.82 | 35.82 | 0.977 | 0.977 | NO | 98.99 | 99.0 | | 0.0531 |
| 183 | 1... 13C-PCB-81 | 1.18e6 | 0.74 | NO | 0.985 | 1.000 | 39.02 | 39.02 | 1.064 | 1.064 | NO | 101.5 | 102 | | 0.0564 |
| 184 | 1... 13C-PCB-77 | 1.14e6 | 0.75 | NO | 0.958 | 1.000 | 39.63 | 39.63 | 1.081 | 1.081 | NO | 101.1 | 101 | | 0.0580 |
| 185 | 1... 13C-PCB-104 | 1.37e6 | 1.55 | NO | 1.10 | 1.000 | 32.43 | 32.43 | 0.827 | 0.827 | NO | 97.96 | 98.0 | | 0.0170 |
| 186 | 1... 13C-PCB-95 | 1.07e6 | 1.61 | NO | 0.852 | 1.000 | 35.68 | 35.69 | 0.910 | 0.910 | NO | 99.02 | 99.0 | | 0.0219 |
| 187 | 1... 13C-PCB-101 | 1.04e6 | 1.57 | NO | 0.814 | 1.000 | 37.43 | 37.44 | 0.954 | 0.954 | NO | 100.6 | 101 | | 0.0229 |
| 188 | 1... 13C-PCB-97 | 9.11e5 | 1.57 | NO | 0.709 | 1.000 | 38.78 | 38.78 | 0.989 | 0.989 | NO | 100.9 | 101 | | 0.0262 |
| 189 | 1... 13C-PCB-123 | 1.19e6 | 1.56 | NO | 0.922 | 1.000 | 41.42 | 41.42 | 1.056 | 1.056 | NO | 101.6 | 102 | | 0.0202 |
| 190 | 1... 13C-PCB-118 | 1.24e6 | 1.58 | NO | 0.975 | 1.000 | 41.60 | 41.62 | 1.061 | 1.061 | NO | 99.64 | 99.6 | | 0.0191 |
| 191 | 1... 13C-PCB-114 | 7.77e5 | 1.53 | NO | 1.52 | 1.000 | 42.29 | 42.28 | 0.908 | 0.908 | NO | 75.64 | 75.6 | | 0.0453 |
| 192 | 1... 13C-PCB-105 | 8.10e5 | 1.50 | NO | 1.58 | 1.000 | 43.18 | 43.17 | 0.927 | 0.927 | NO | 75.70 | 75.7 | | 0.0435 |
| 193 | 1... 13C-PCB-127 | 8.41e5 | 1.48 | NO | 1.62 | 1.000 | 43.52 | 43.53 | 0.934 | 0.935 | NO | 76.68 | 76.7 | | 0.0425 |
| 194 | 1... 13C-PCB-126 | 7.82e5 | 1.50 | NO | 1.45 | 1.000 | 45.49 | 45.48 | 0.976 | 0.976 | NO | 79.99 | 80.0 | | 0.0476 |
| 195 | 1... 13C-PCB-155 | 1.31e6 | 1.28 | NO | 1.03 | 1.000 | 36.97 | 36.95 | 0.943 | 0.942 | NO | 100.1 | 100 | | 0.00827 |
| 196 | 1... 13C-PCB-153 | 8.78e5 | 1.22 | NO | 1.42 | 1.000 | 43.35 | 43.34 | 0.931 | 0.930 | NO | 91.19 | 91.2 | | 0.0439 |
| 197 | 1... 13C-PCB-141 | 7.52e5 | 1.24 | NO | 1.14 | 1.000 | 44.10 | 44.12 | 0.947 | 0.947 | NO | 97.36 | 97.4 | | 0.0547 |
| 198 | 1... 13C-PCB-138 | 7.57e5 | 1.24 | NO | 1.18 | 1.000 | 44.98 | 44.97 | 0.966 | 0.965 | NO | 94.89 | 94.9 | | 0.0530 |
| 199 | 1... 13C-PCB-159 | 9.24e5 | 1.22 | NO | 1.43 | 1.000 | 46.29 | 46.30 | 0.994 | 0.994 | NO | 95.32 | 95.3 | | 0.0436 |
| 200 | 2... 13C-PCB-167 | 9.32e5 | 1.24 | NO | 1.42 | 1.000 | 47.01 | 47.00 | 1.009 | 1.009 | NO | 96.79 | 96.8 | | 0.0439 |
| 201 | 2... 13C-PCB-156 | 9.14e5 | 1.22 | NO | 1.40 | 1.000 | 48.31 | 48.33 | 1.037 | 1.037 | NO | 96.68 | 96.7 | | 0.0448 |
| 202 | 2... 13C-PCB-157 | 9.40e5 | 1.26 | NO | 1.41 | 1.000 | 48.61 | 48.61 | 1.044 | 1.044 | NO | 98.81 | 98.8 | | 0.0445 |
| 203 | 2... 13C-PCB-169 | 9.25e5 | 1.24 | NO | 1.35 | 1.000 | 50.88 | 50.88 | 1.092 | 1.092 | NO | 101.6 | 102 | | 0.0465 |
| 204 | 2... 13C-PCB-188 | 9.87e5 | 0.44 | NO | 1.46 | 1.000 | 42.98 | 42.96 | 0.927 | 0.926 | NO | 93.26 | 93.3 | | 0.0266 |
| 205 | 2... 13C-PCB-180 | 6.90e5 | 0.45 | NO | 0.932 | 1.000 | 49.65 | 49.67 | 1.070 | 1.071 | NO | 102.3 | 102 | | 0.0417 |
| 206 | 2... 13C-PCB-170 | 6.06e5 | 0.45 | NO | 0.796 | 1.000 | 51.31 | 51.34 | 1.106 | 1.107 | NO | 105.3 | 105 | | 0.0488 |
| 207 | 2... 13C-PCB-189 | 8.32e5 | 0.46 | NO | 1.09 | 1.000 | 53.03 | 53.06 | 1.143 | 1.144 | NO | 105.5 | 105 | | 0.0356 |
| 208 | 2... 13C-PCB-202 | 1.12e6 | 0.90 | NO | 1.45 | 1.000 | 48.54 | 48.55 | 1.042 | 1.042 | NO | 106.7 | 107 | | 0.0237 |
| 209 | 2... 13C-PCB-194 | 6.16e5 | 0.88 | NO | 0.714 | 1.000 | 54.71 | 54.70 | 0.995 | 0.995 | NO | 100.6 | 101 | | 0.0459 |
| 210 | 2... 13C-PCB-208 | 8.62e5 | 0.78 | NO | 0.896 | 1.000 | 53.96 | 53.93 | 0.982 | 0.981 | NO | 112.1 | 112 | | 0.0562 |
| 211 | 2... 13C-PCB-206 | 6.41e5 | 0.77 | NO | 0.653 | 1.000 | 56.22 | 56.23 | 1.023 | 1.023 | NO | 114.4 | 114 | | 0.0772 |
| 212 | 2... 13C-PCB-209 | 8.41e5 | 1.18 | NO | 0.806 | 1.000 | 57.48 | 57.47 | 1.045 | 1.045 | NO | 121.6 | 122 | | 0.0105 |

Dataset: U:\VG11.PRO\Results\191012K2\191012K2-2.qld

Last Altered: Monday, October 14, 2019 14:23:38 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:24:48 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------|--------|------|
| 213 | 2... 13C-PCB-15 | 1.51e6 | 1.56 | NO | 1.00 | 1.000 | 25.49 | 25.50 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0190 | |
| 214 | 2... 13C-PCB-31 | 1.18e6 | 0.96 | NO | 1.00 | 1.000 | 28.64 | 28.64 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.214 | |
| 215 | 2... 13C-PCB-60 | 1.18e6 | 0.73 | NO | 1.00 | 1.000 | 36.66 | 36.65 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0555 | |
| 216 | 2... 13C-PCB-111 | 1.27e6 | 1.59 | NO | 1.00 | 1.000 | 39.22 | 39.22 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0186 | |
| 217 | 2... 13C-PCB-128 | 6.76e5 | 1.24 | NO | 1.00 | 1.000 | 46.58 | 46.58 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0626 | |
| 218 | 2... 13C-PCB-182 | 7.23e5 | 0.45 | NO | 1.00 | 1.000 | 46.41 | 46.39 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0389 | |
| 219 | 2... 13C-PCB-205 | 8.58e5 | 0.89 | NO | 1.00 | 1.000 | 54.98 | 54.98 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0328 | |
| 220 | 2... 13C-PCB-79 | 1.22e6 | 0.73 | NO | 1.03 | 1.000 | 37.75 | 37.75 | 1.030 | 1.030 | NO | 100.6 | 101 | 0.0538 | |
| 221 | 2... 13C-PCB-178 | 6.57e5 | 0.45 | NO | 0.875 | 1.000 | 45.84 | 45.84 | 0.988 | 0.988 | NO | 111.1 | 111 | 0.0459 | |
| 222 | 2... 13C-PCB-79 | 1.22e6 | 0.73 | NO | 1.05 | 1.000 | 37.75 | 37.75 | 0.967 | 0.968 | NO | 99.29 | 99.3 | 0.0531 | |
| 223 | 2... 13C-PCB-178 | 6.58e5 | 0.45 | NO | 0.975 | 1.000 | 45.88 | 45.84 | 0.924 | 0.923 | NO | 97.86 | 97.9 | 0.0406 | |

75-125%
↓

Dataset: Untitled

Last Altered: Monday, October 14, 2019 10:03:32 Pacific Daylight Time
Printed: Monday, October 14, 2019 10:04:38 Pacific Daylight Time

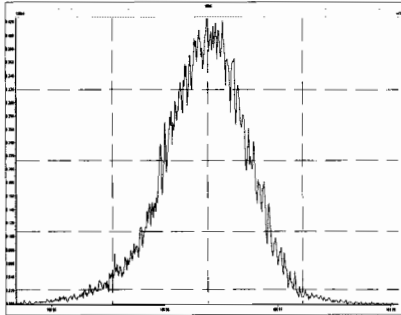
Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Compound name: PCB-1

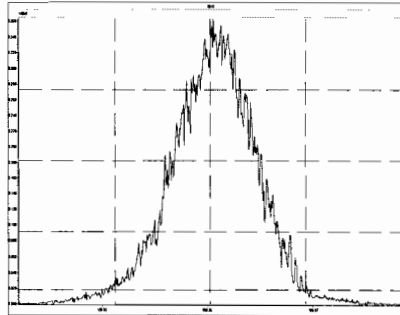
| | Name | ID | Acq.Date | Acq.Time |
|----|-------------|--|-----------|----------|
| 1 | 191012K2_1 | SOLVENT BLANK | 13-Oct-19 | 02:21:28 |
| 2 | 191012K2_2 | ST191012K2-1 PCB 209 CS3 19C1106 | 13-Oct-19 | 03:23:37 |
| 3 | 191012K2_3 | SOLVENT BLANK | 13-Oct-19 | 04:25:55 |
| 4 | 191012K2_4 | 1903419-01 RB-20190926140400 1 | 13-Oct-19 | 05:28:04 |
| 5 | 191012K2_5 | 1903256-01@10X 19080800121 1 | 13-Oct-19 | 06:31:17 |
| 6 | 191012K2_6 | 1903257-01@20X 19080800134 1 | 13-Oct-19 | 07:34:08 |
| 7 | 191012K2_7 | 1903396-01@10X 19070900417 1 | 13-Oct-19 | 08:36:12 |
| 8 | 191012K2_8 | 1903398-01@10X 19072300422 1 | 13-Oct-19 | 09:38:25 |
| 9 | 191012K2_9 | 1903279-01@20X 001 Outfall 1 | 13-Oct-19 | 10:40:35 |
| 10 | 191012K2_10 | 1903385-01@20X PE1116-2ML 1 | 13-Oct-19 | 11:42:48 |
| 11 | 191012K2_11 | 1903388-01@20X SRL-47441 SY 9836 14.28 | 13-Oct-19 | 12:45:23 |
| 12 | 191012K2_12 | 1903388-01@50X SRL-47441 SY 9836 14.28 | 13-Oct-19 | 13:48:24 |

(A) Did not centroid EL 10.14.19

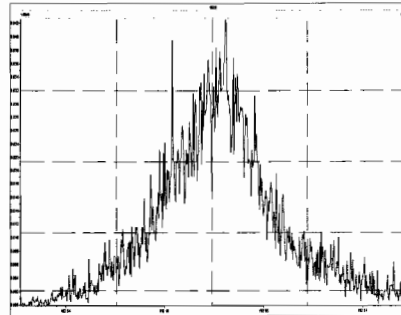
M 168.9888 R 10142



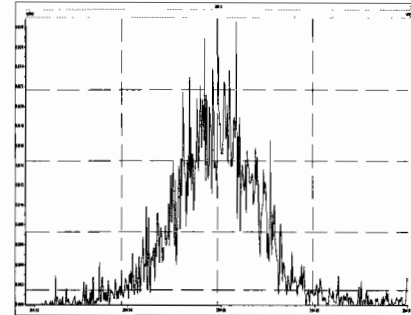
M 180.9888 R 10023



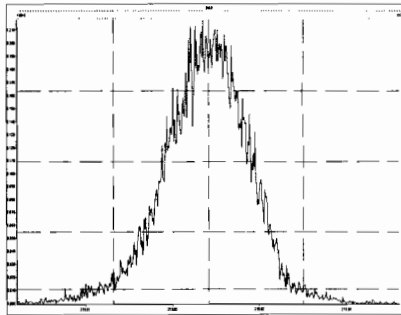
M 192.9888 R 7029



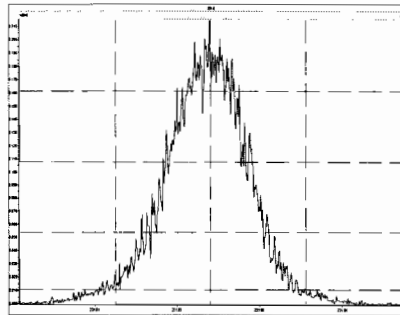
M 204.9888 R 11988



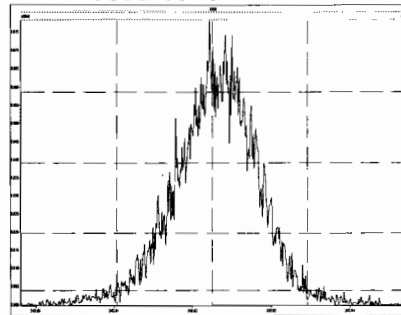
M 218.9856 R 10043



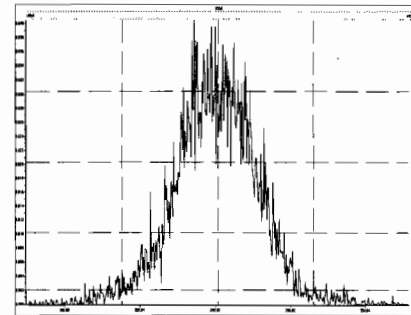
M 230.9856 R 10002



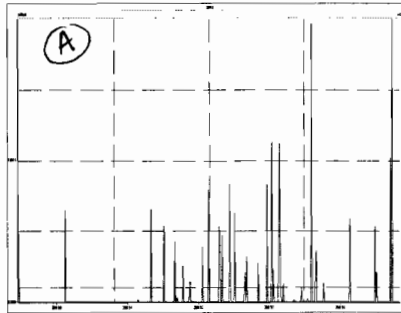
M 242.9856 R 10555



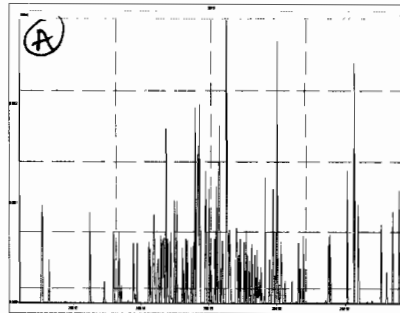
M 254.9856 R 12140



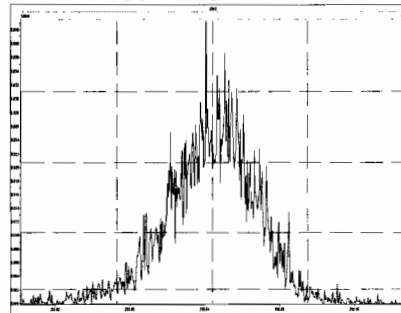
M 268.9824 R 595255



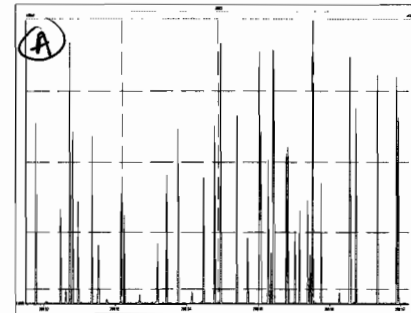
M 280.9824 R 352826



M 254.9856 R 10533

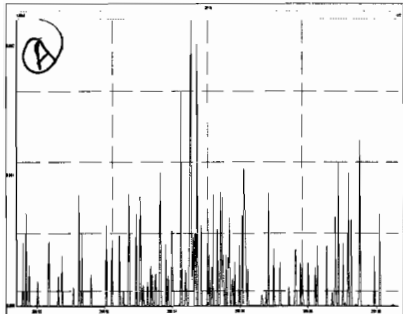


M 268.9824 R 339288

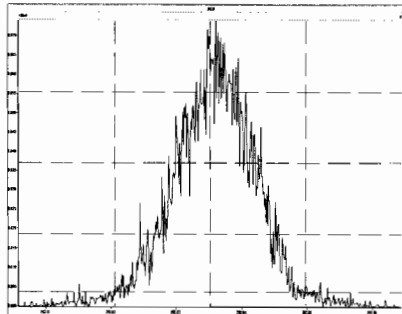


Printed: Sunday, October 13, 2019 02:20:38 Pacific Daylight Time

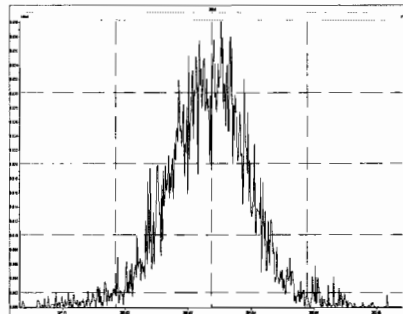
M 280.9824 R 245539



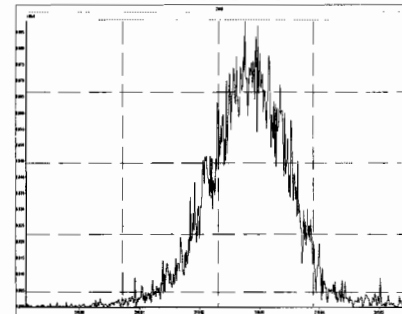
M 292.9824 R 11065



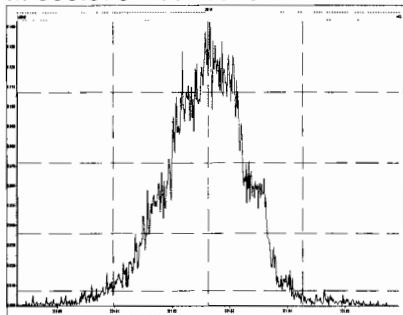
M 304.9824 R 12613



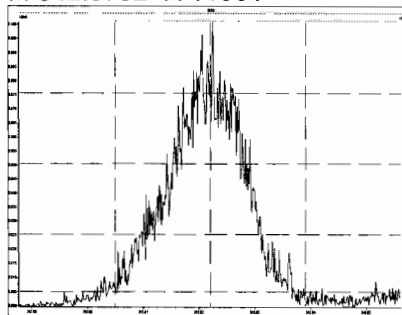
M 318.9792 R 318473



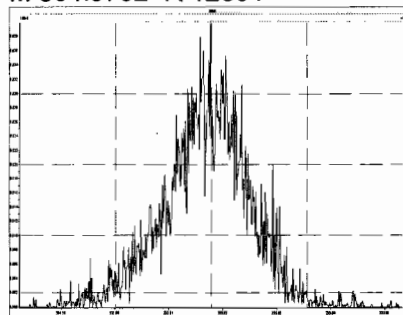
M 330.9792 R 11016



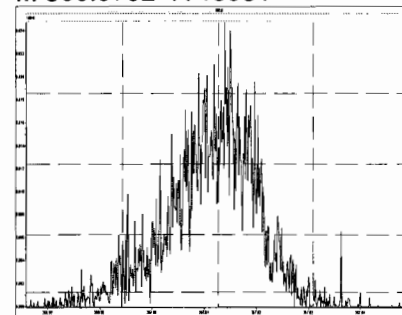
M 342.9792 R 11061



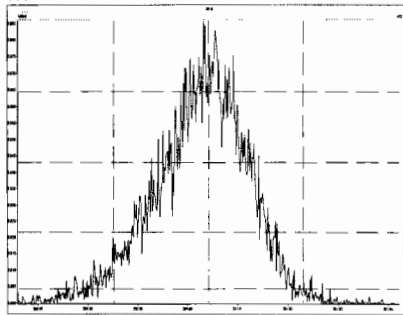
M 354.9792 R 12501



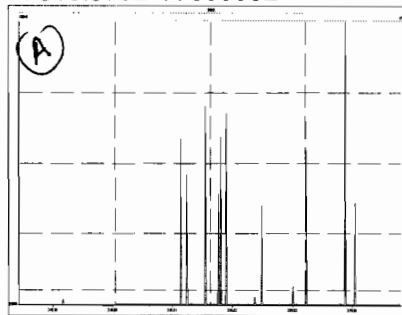
M 366.9792 R 13951



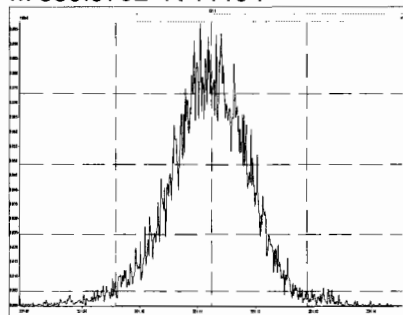
M 380.9760 R 10247



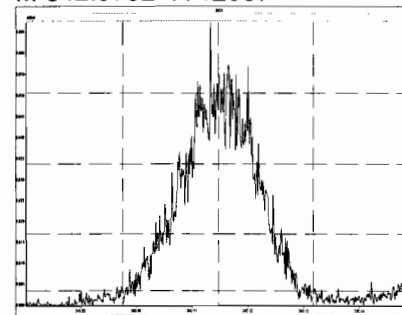
M 318.9792 R 833352



M 330.9792 R 11194

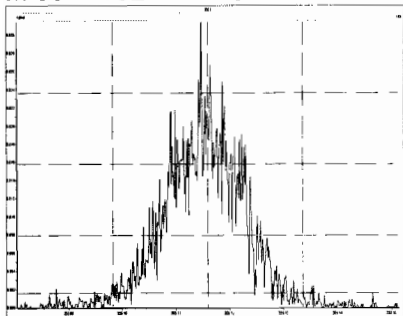


M 342.9792 R 12087

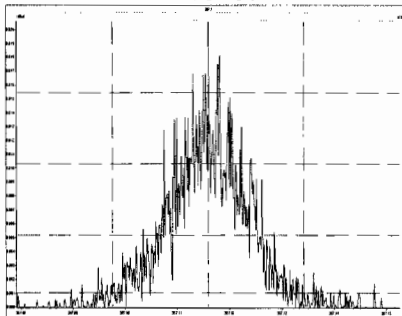


Printed: Sunday, October 13, 2019 02:20:38 Pacific Daylight Time

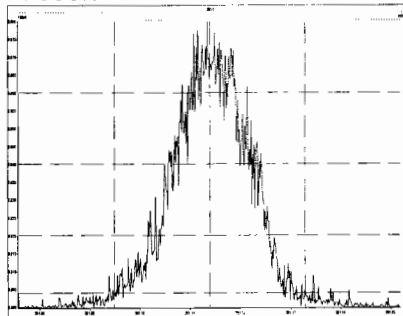
M 354.9792 R 14461



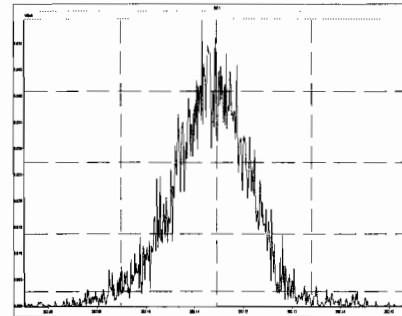
M 366.9792 R 13409



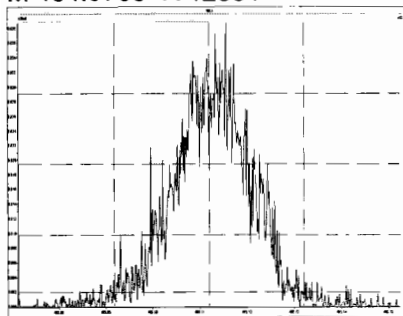
M 380.9760 R 11636



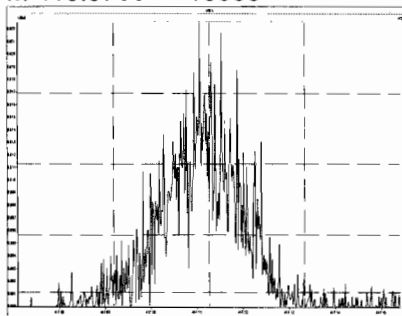
M 392.9760 R 12376



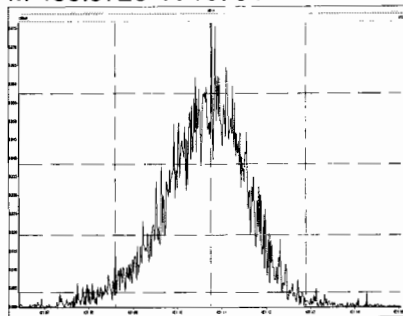
M 404.9760 R 12891



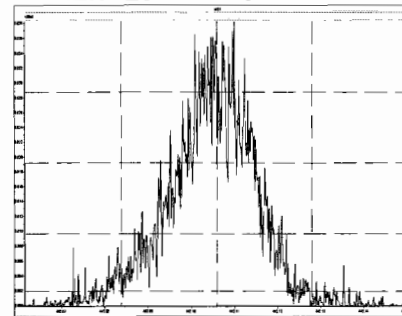
M 416.9760 R 13999



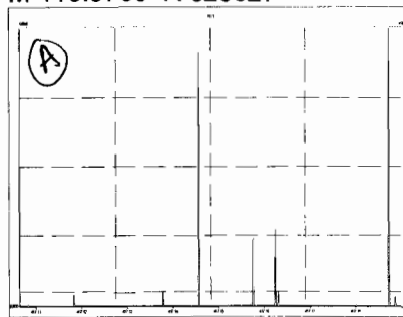
M 430.9728 R 10734



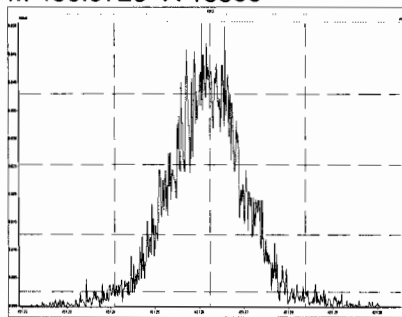
M 442.9728 R 11252



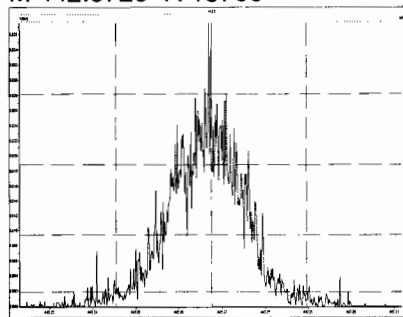
M 416.9760 R 625027



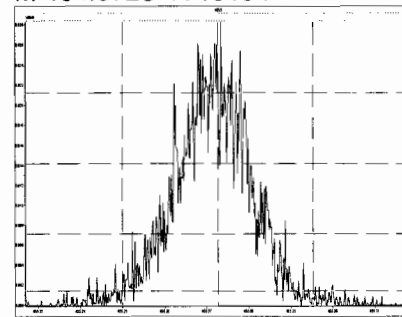
M 430.9728 R 13333



M 442.9728 R 13700

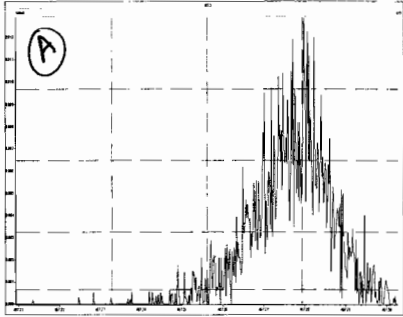


M 454.9728 R 13194

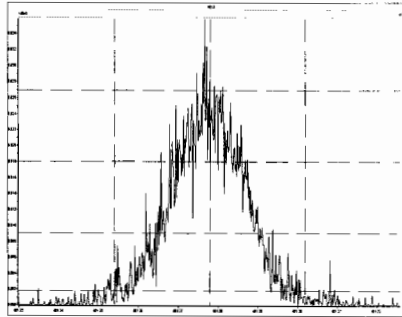


Printed: Sunday, October 13, 2019 02:20:38 Pacific Daylight Time

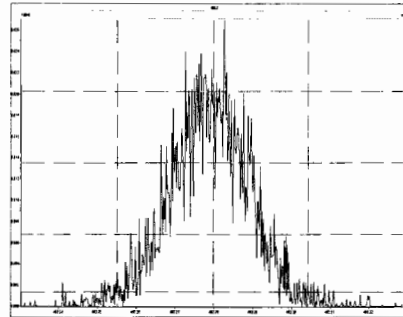
M 466.9728 R 74476



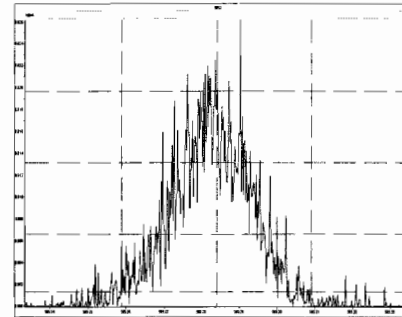
M 480.9696 R 12728



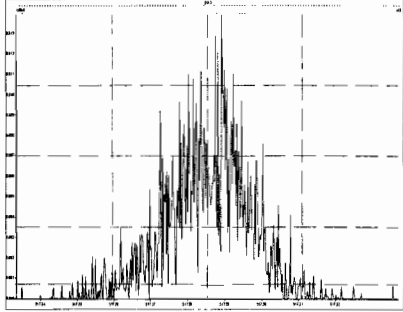
M 492.9696 R 13175



M 504.9696 R 12329



M 516.9697 R 14627



Dataset: Untitled

Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

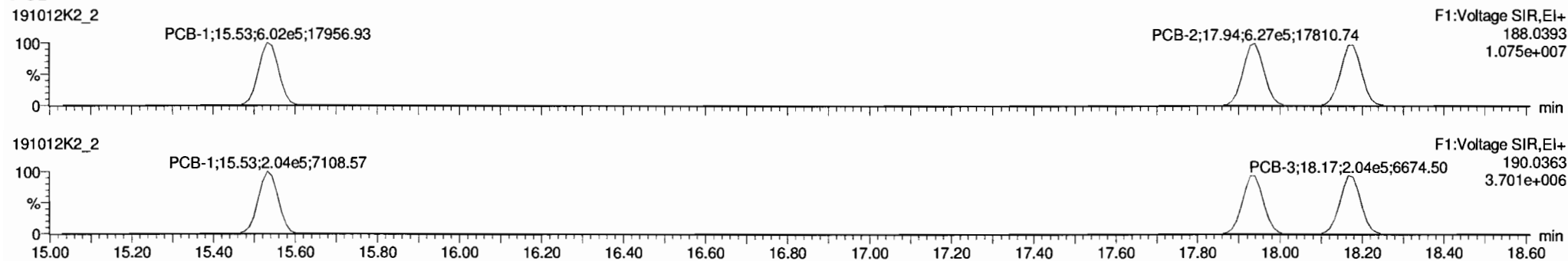
Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

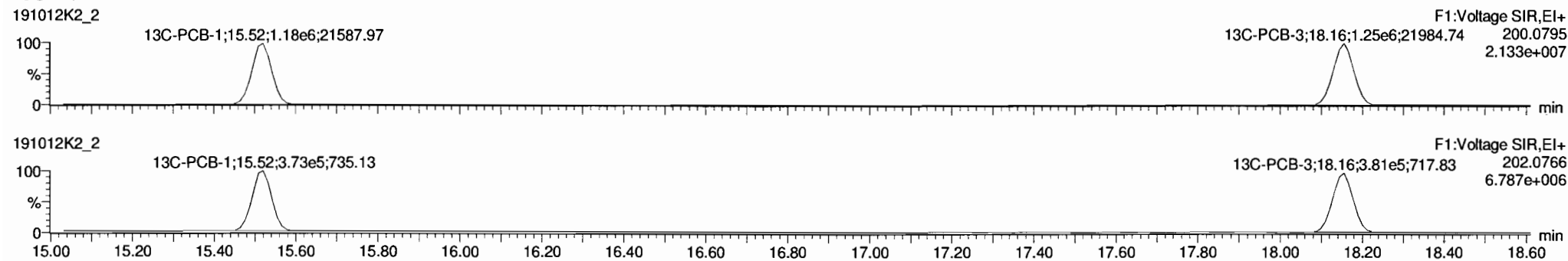
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

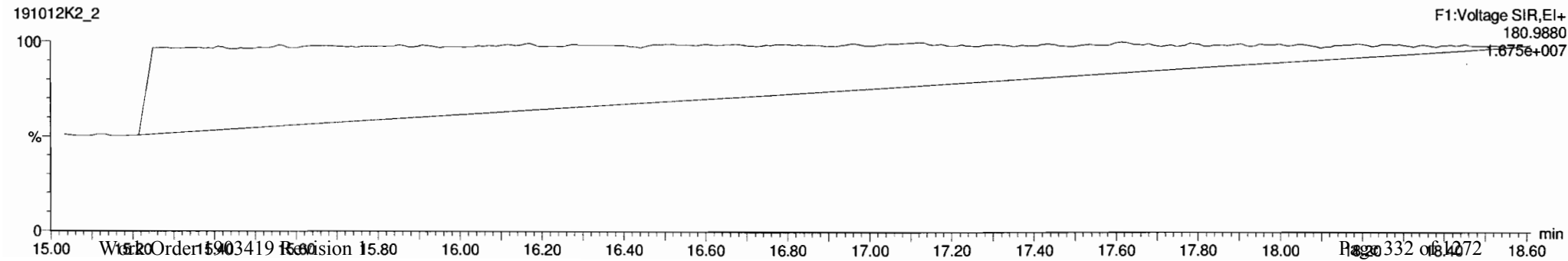
PCB-1



13C-PCB-1



PFK1



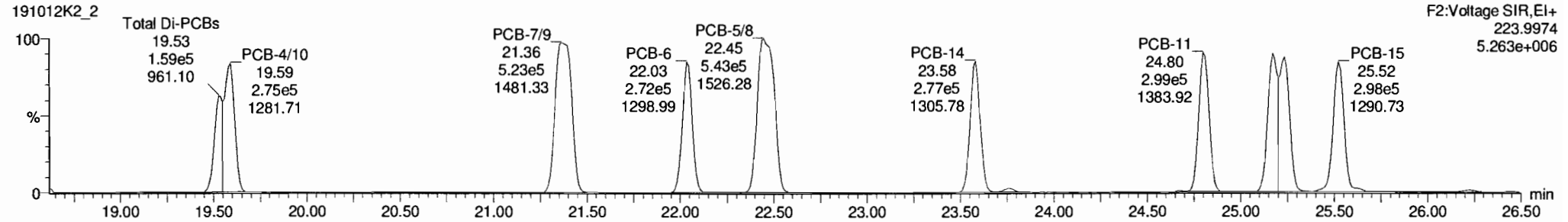
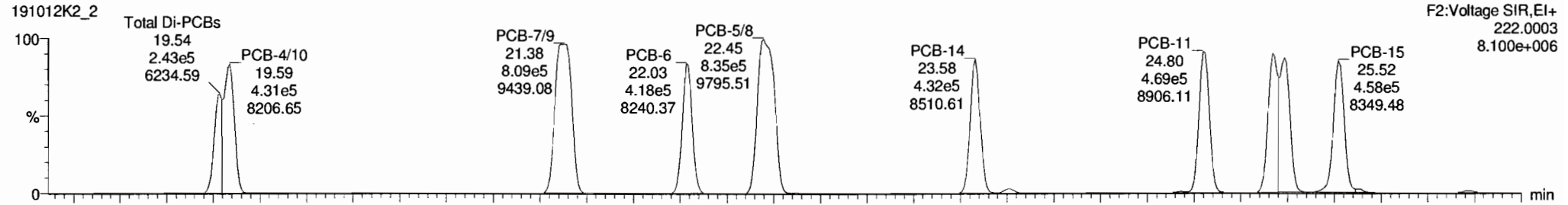
Dataset: Untitled

Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

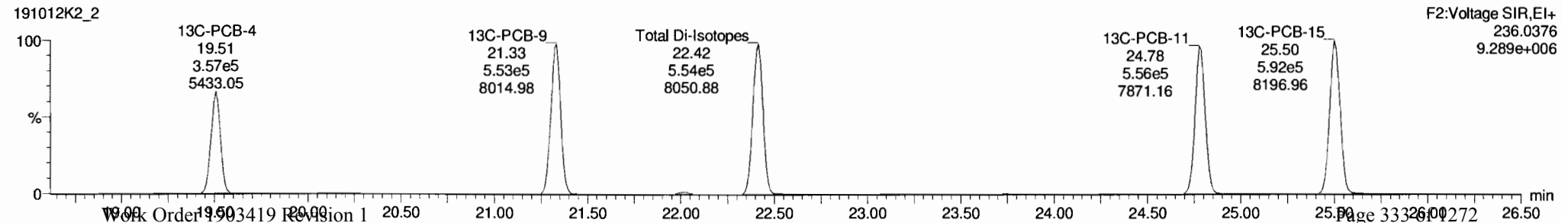
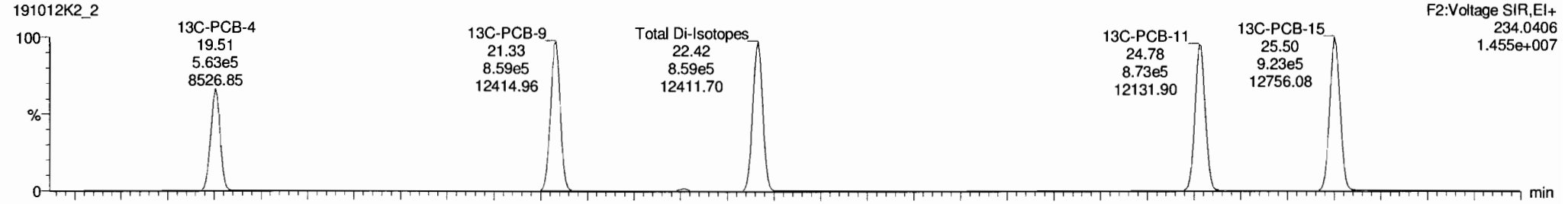
Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-4/10

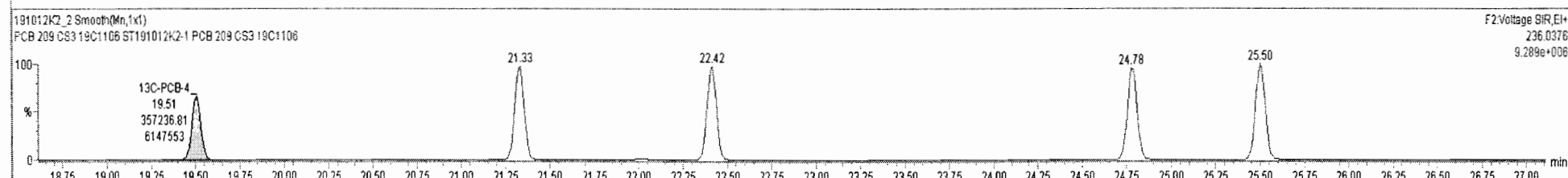
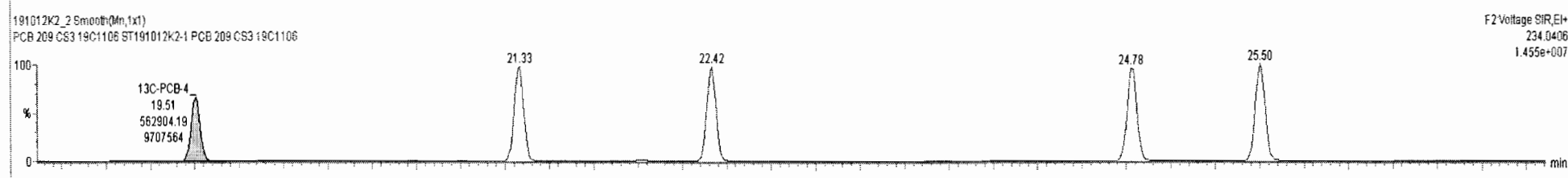
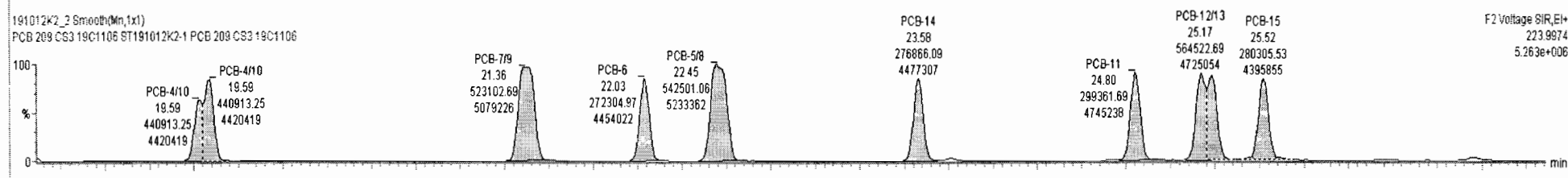
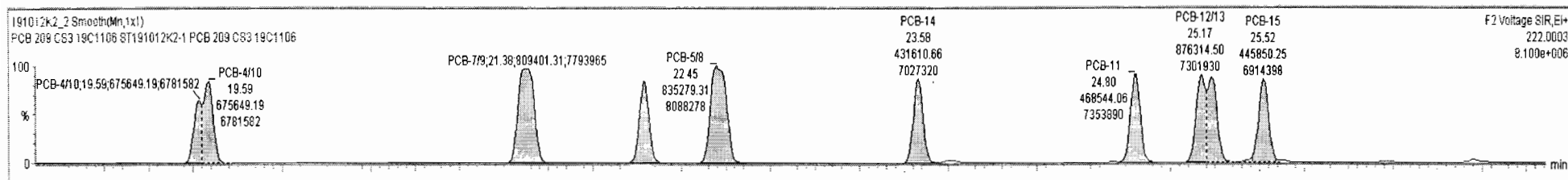


13C-PCB-4



| # | Name | Resp | RA | nly | RRF | wtVol | Pred.RT | RT | Pred.RT | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|----|---------|-----|----------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 152.0 | | 0.0239 | 152.0 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 579.9 | | 0.295 | 579.9 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 389.7 | | 0.0591 | 389.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 766.0 | | 0.549 | 766.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 2024 | | 0.495 | 2024 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 1977 | | 0.428 | 1977 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 245.8 | | 0.162 | 245.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 703.7 | | 0.118 | 703.7 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1359 | | 0.809 | 1359 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | I ^o Ratio (Pred) | RA | nly | EMPC | Conc |
|---|--------------|---------|-------|---------|---------|-----------------------------|------|-----|--------|--------|
| 1 | 4 PCB-4/10 | 19.59 | 19.59 | 6.756e5 | 4.409e5 | 1.560 | 1.53 | NO | 95.145 | 95.145 |
| 2 | 11 PCB-15 | 25.53 | 25.52 | 4.459e5 | 2.803e5 | 1.580 | 1.59 | NO | 49.384 | 49.384 |
| 3 | 10 PCB-12/13 | 25.23 | 25.17 | 8.763e5 | 5.645e5 | 1.580 | 1.55 | NO | 97.170 | 97.170 |

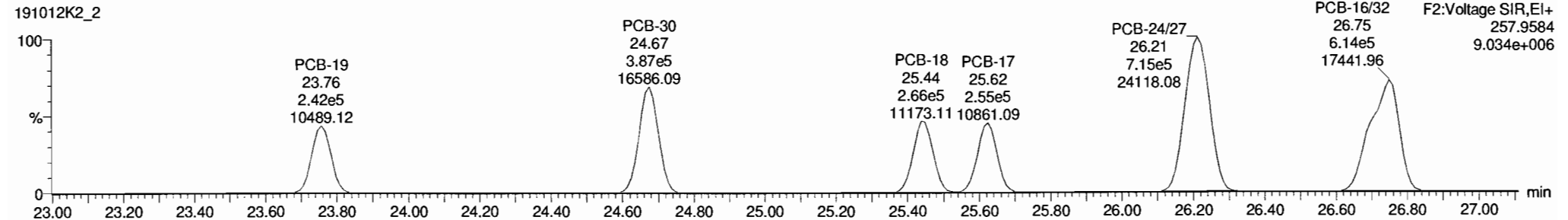
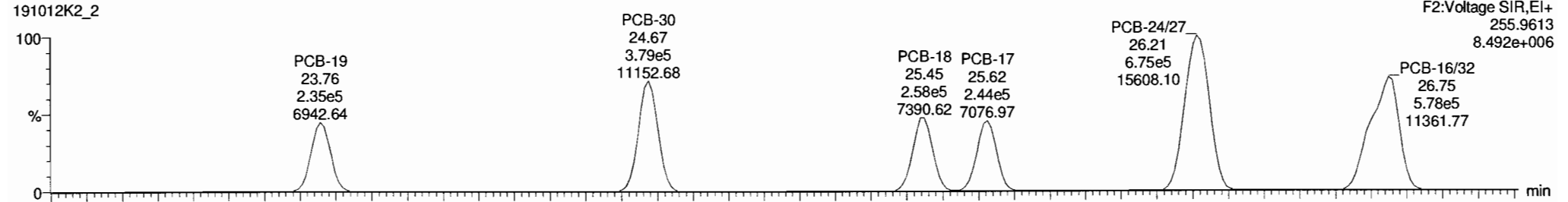


Dataset: Untitled

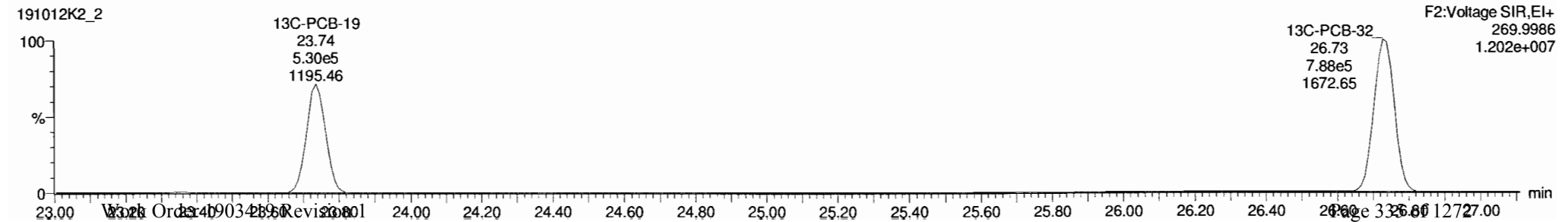
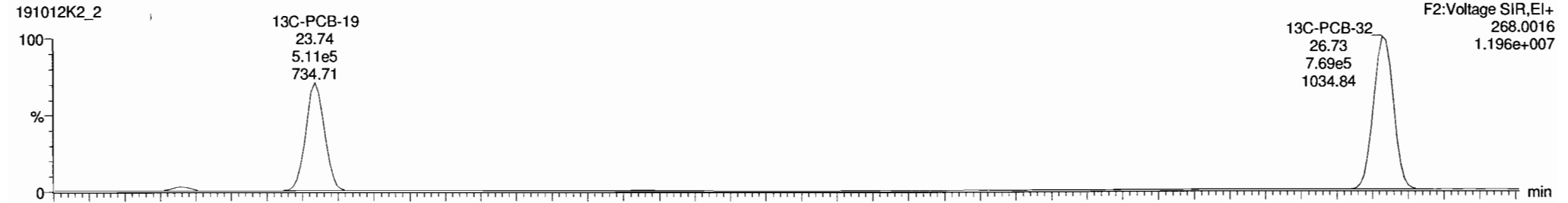
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time
 Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-19



13C-PCB-19



Dataset: Untitled

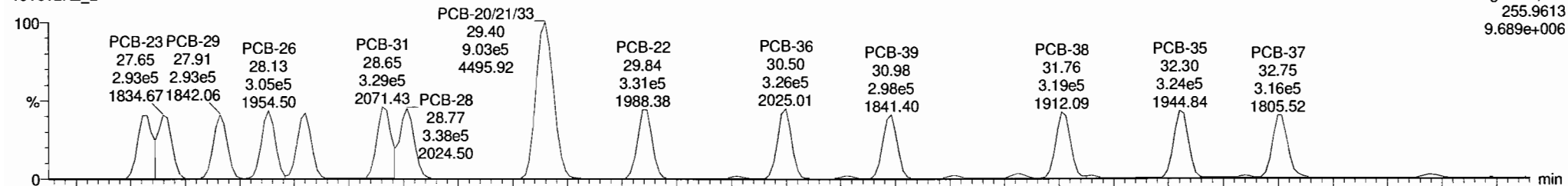
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

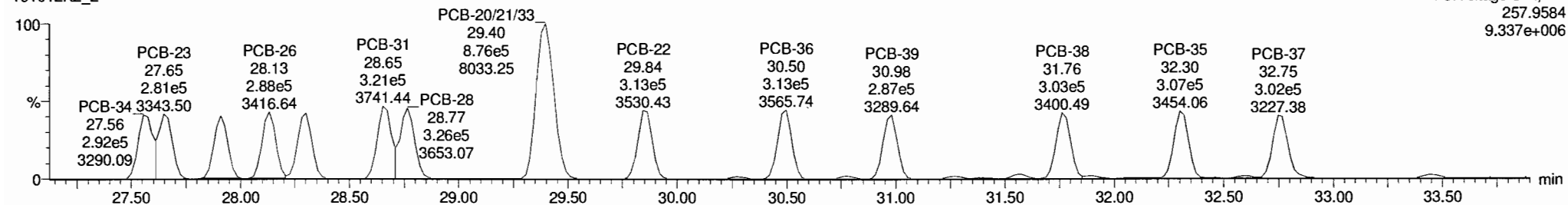
PCB-34

191012K2_2



F3:Voltage SIR,EI+
255.9613
9.689e+006

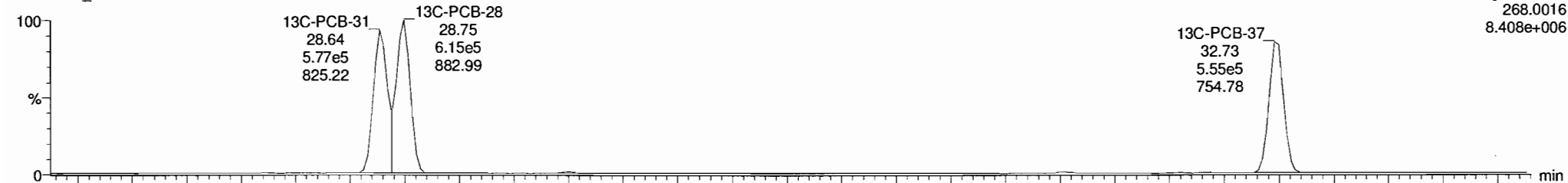
191012K2_2



F3:Voltage SIR,EI+
257.9584
9.337e+006

13C-PCB-28

191012K2_2



F3:Voltage SIR,EI+
268.0016
8.408e+006

191012K2_2

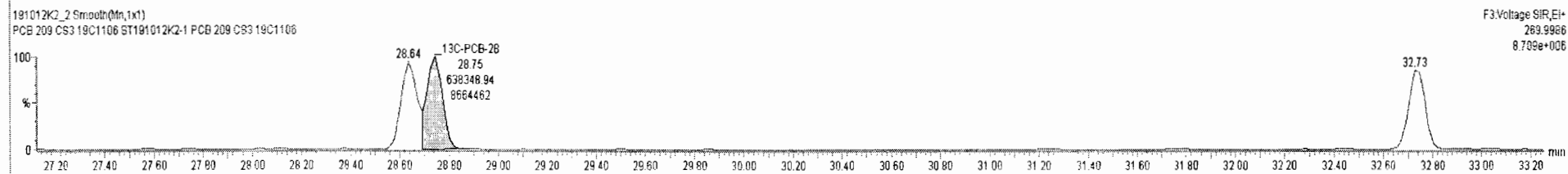
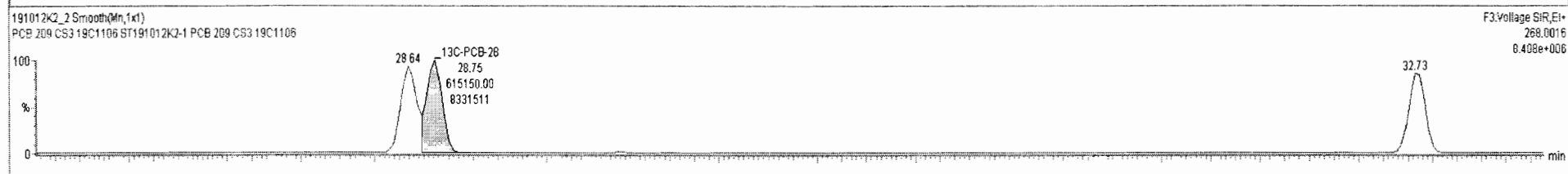
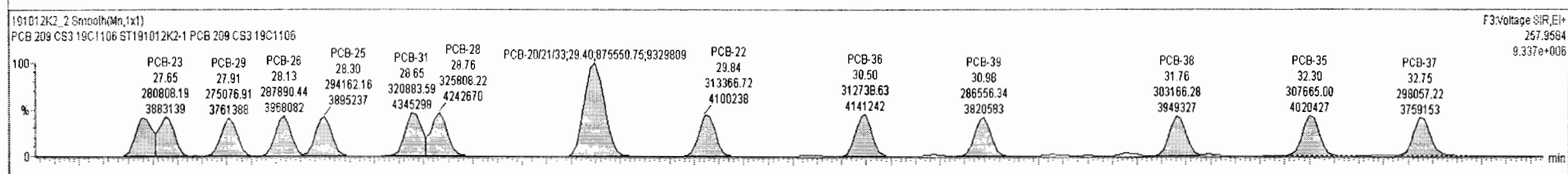
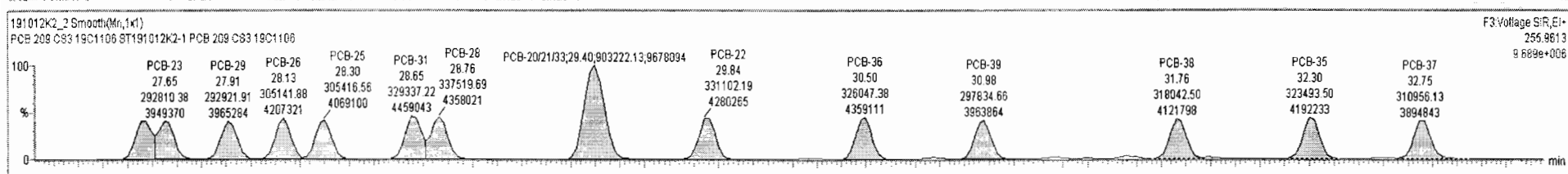


F3:Voltage SIR,EI+
269.9986
8.709e+006

191012K2_2-ST191012K2-1-PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred RT | RT | Pred R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|--------|---------|----|--------|-----|----------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 152.0 | | 0.0238 | 152.0 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 579.9 | | 0.295 | 579.9 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 389.7 | | 0.0591 | 389.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 766.0 | | 0.549 | 766.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 2024 | | 0.495 | 2024 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 1977 | | 0.428 | 1977 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 245.8 | | 0.162 | 245.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 703.7 | | 0.118 | 703.7 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1359 | | 0.809 | 1359 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|----------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 25 PCB-2021/33 | 29.39 | 29.40 | 9.032e5 | 8.756e5 | 1.040 | 1.03 | NO | 141.42 | 141.42 |
| 2 | 24 PCB-26 | 28.76 | 28.76 | 3.375e5 | 3.259e5 | 1.040 | 1.04 | NO | 47.852 | 47.852 |
| 3 | 23 PCB-31 | 28.68 | 28.65 | 3.293e5 | 3.209e5 | 1.040 | 1.03 | NO | 46.183 | 46.183 |



Dataset: Untitled

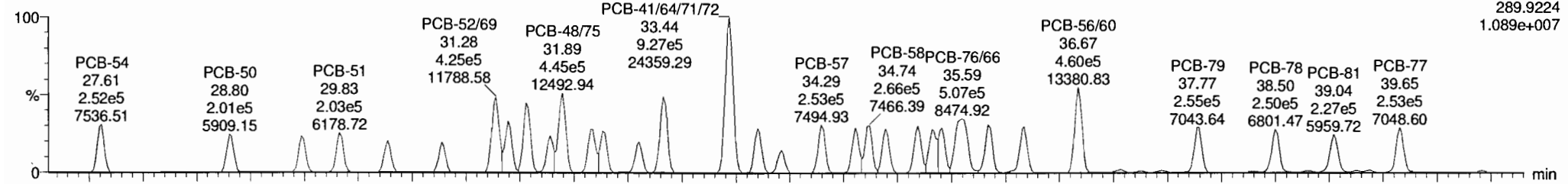
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

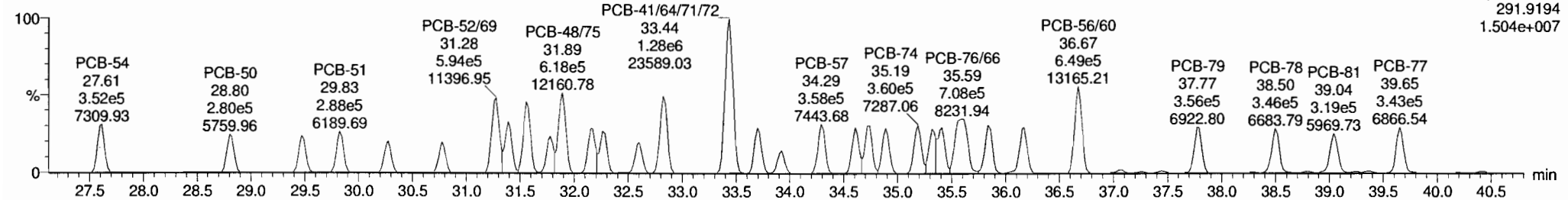
Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-54

191012K2_2

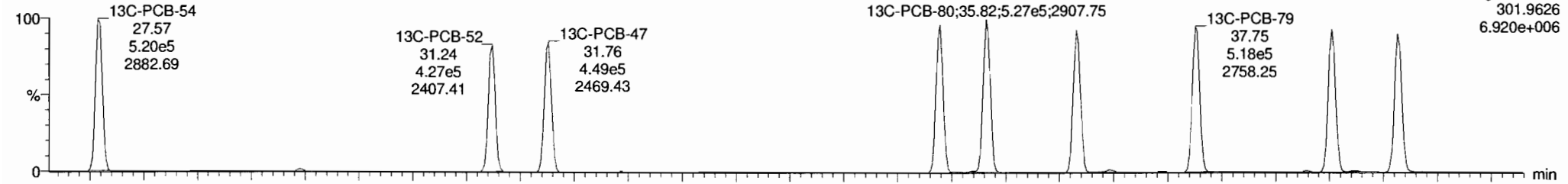


191012K2_2

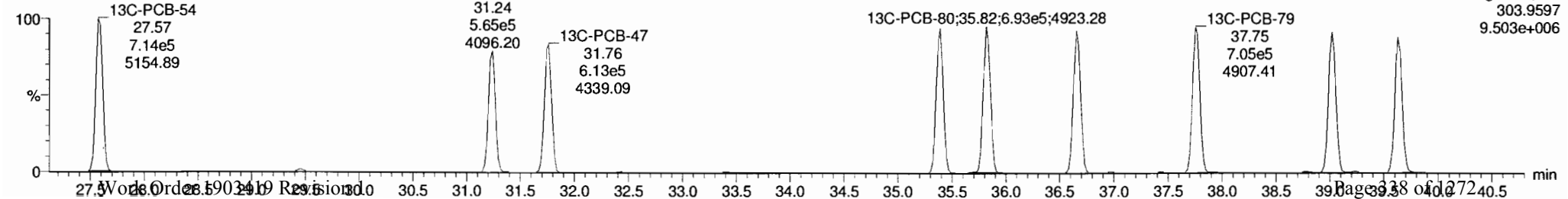


13C-PCB-54

191012K2_2



191012K2_2



Dataset: Untitled

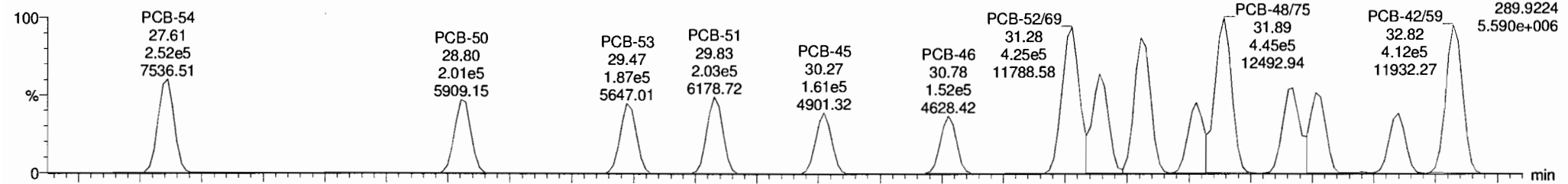
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

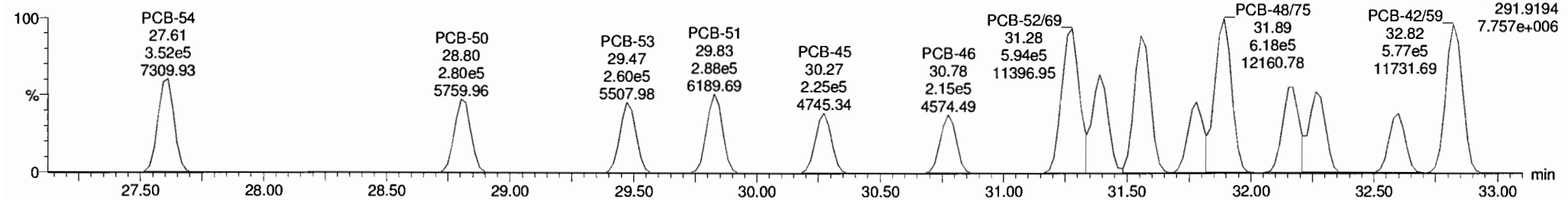
Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-50

191012K2_2

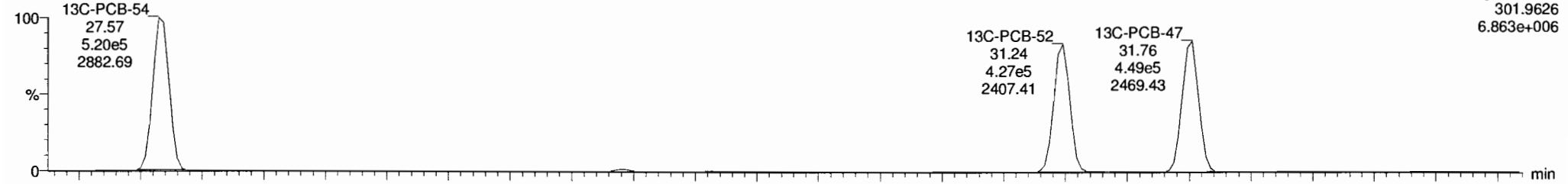


191012K2_2

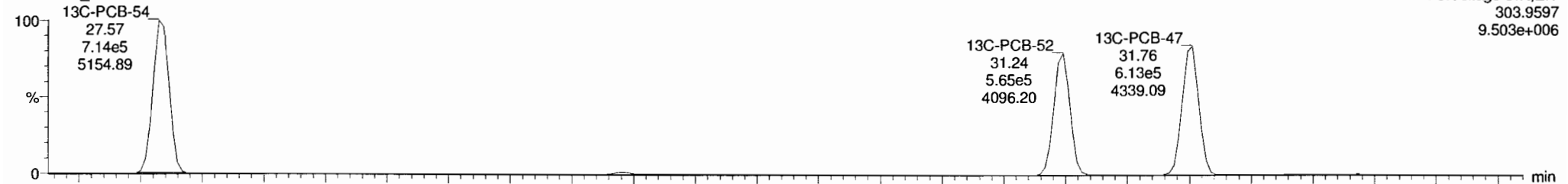


13C-PCB-52

191012K2_2

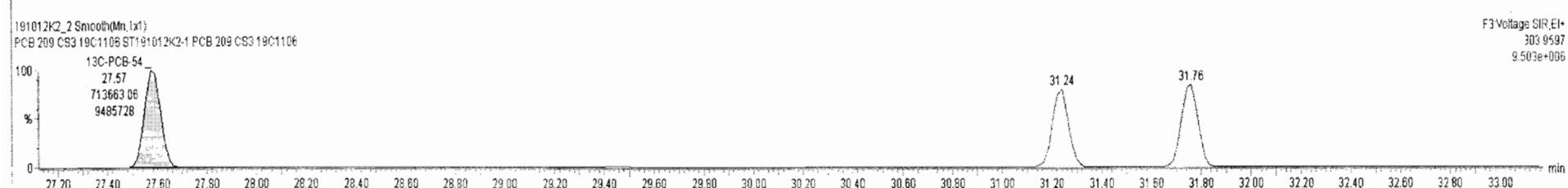
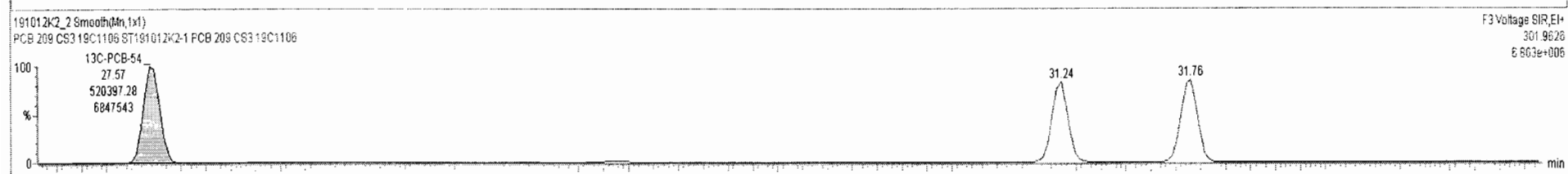
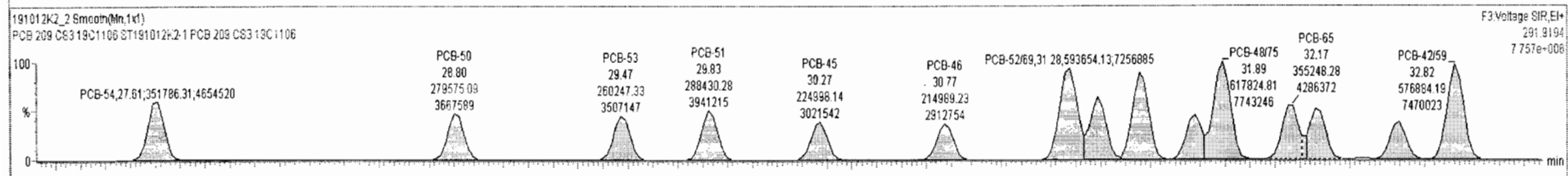
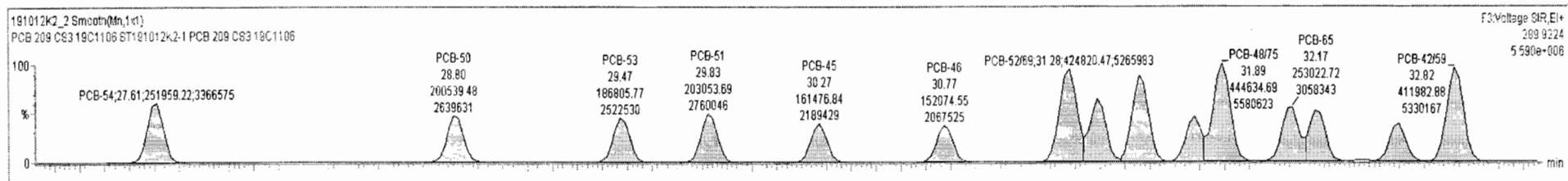


191012K2_2



| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred RT | RT | Pred R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|--------|---------|----|-----------|-----|----------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 152.0 | | 0.0239 | 152.0 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 579.9 | | 0.295 | 579.9 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 399.7 | | 0.0591 | 399.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 786.0 | | 0.549 | 786.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9881 | 1.000 | 0.00 | | 0.000 | | NO | 2024 | | 0.495 | 2024 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 1977 | | 0.428 | 1977 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 245.8 | | 0.162 | 245.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 703.7 | | 0.118 | 703.7 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1359 | | 0.809 | 1359 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 44 PCB-62 | 32.27 | 32.26 | 2.087e5 | 2.894e5 | 0.770 | 0.72 | NO | 44.028 | 44.028 |
| 2 | 43 PCB-65 | 32.16 | 32.17 | 2.530e5 | 3.552e5 | 0.770 | 0.71 | NO | 51.662 | 51.662 |
| 3 | 42 PCB-48/75 | 31.89 | 31.89 | 4.446e5 | 5.178e5 | 0.770 | 0.72 | NO | 97.642 | 97.642 |

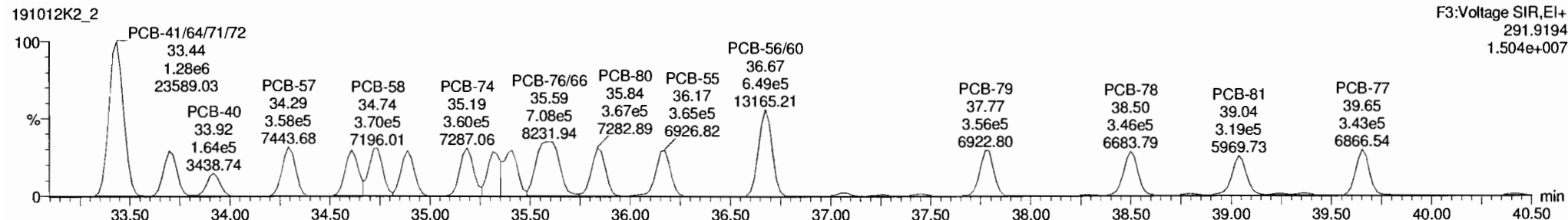
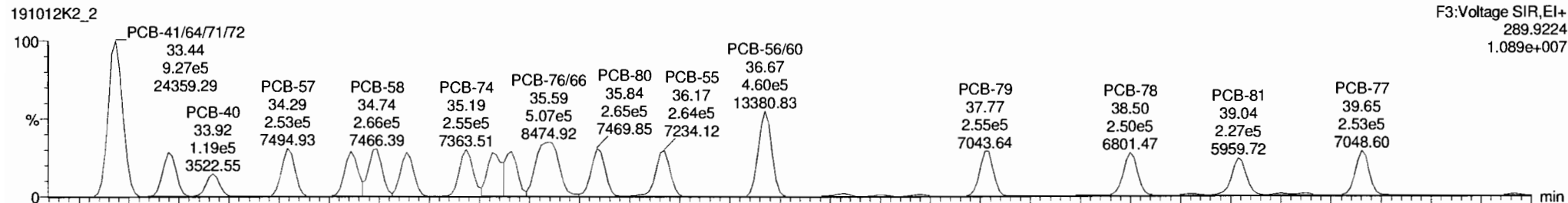


Dataset: Untitled

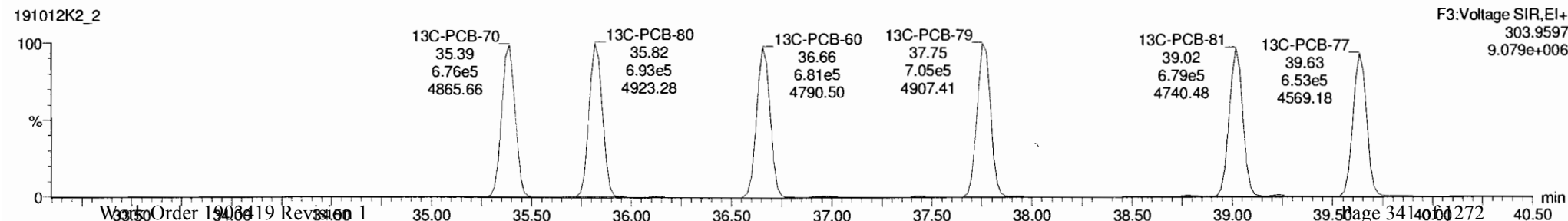
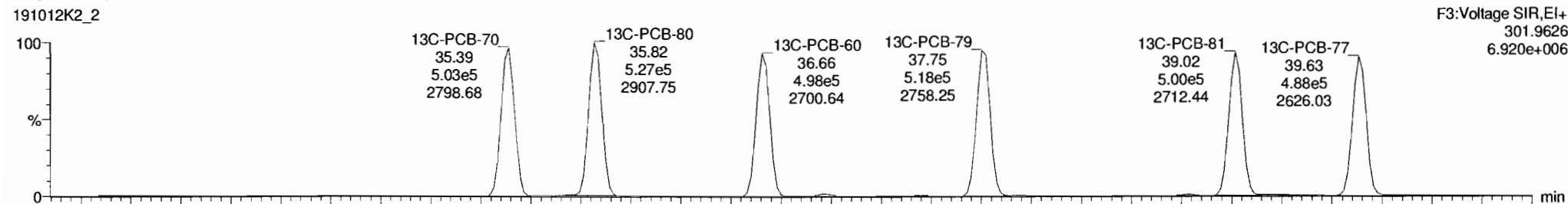
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time
 Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-68



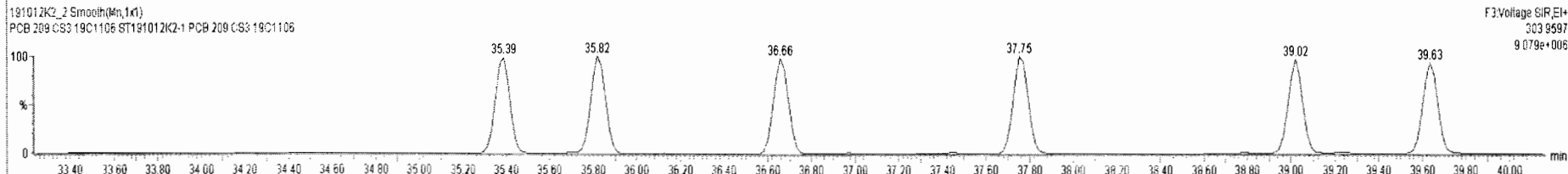
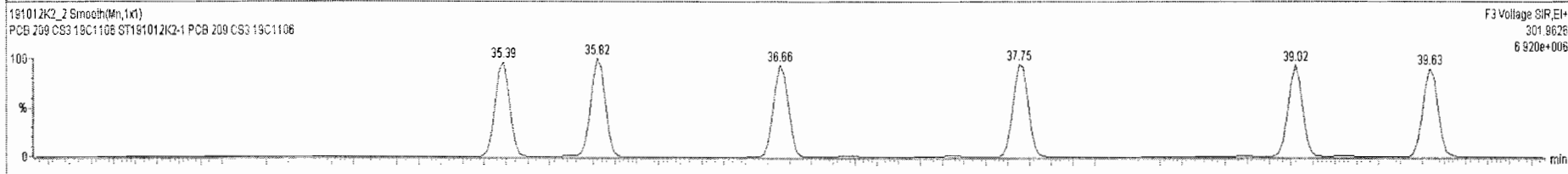
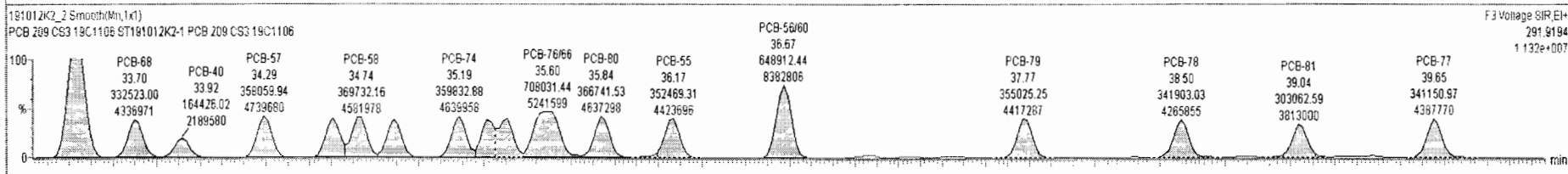
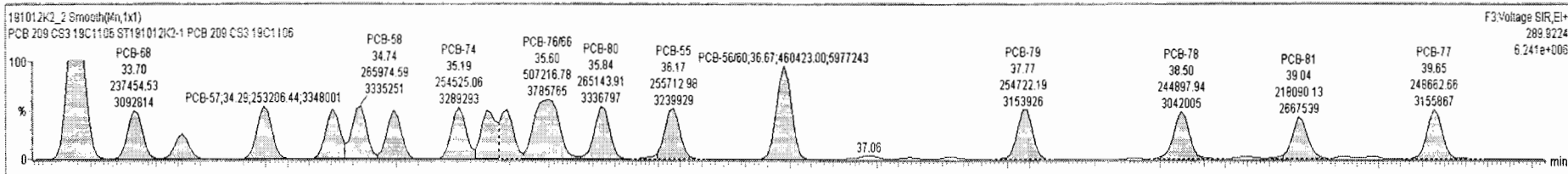
13C-PCB-60



191012K2_2 - ST191012K2-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|----|-----------|-----|----------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 152.0 | | 0.0239 | 152.0 |
| 225 | 225 Total Di-PCBs | | | | 1.0532 | 1.000 | 0.00 | | 0.000 | | NO | 579.9 | | 0.295 | 579.9 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 389.7 | | 0.0591 | 389.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 766.0 | | 0.549 | 766.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 2024 | | 0.495 | 2024 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 1977 | | 0.428 | 1977 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 245.8 | | 0.162 | 245.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 703.7 | | 0.118 | 703.7 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1359 | | 0.809 | 1359 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1*Ratio (Pred) | RA | n/y | EMPC | Conc. |
|----|-----------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 44 | PCB-62 | 32.27 | 32.26 | 2.087e5 | 2.894e5 | 0.770 | 0.72 | NO | 44.028 | 44.028 |
| 2 | PCB-65 | 32.16 | 32.17 | 2.530e5 | 3.552e5 | 0.770 | 0.71 | NO | 51.662 | 51.662 |
| 3 | PCB-48/75 | 31.89 | 31.89 | 4.446e5 | 6.178e5 | 0.770 | 0.72 | NO | 97.642 | 97.642 |

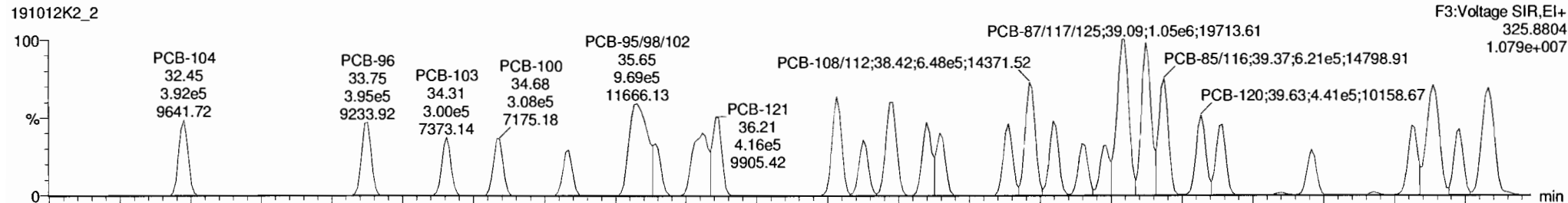


Dataset: Untitled

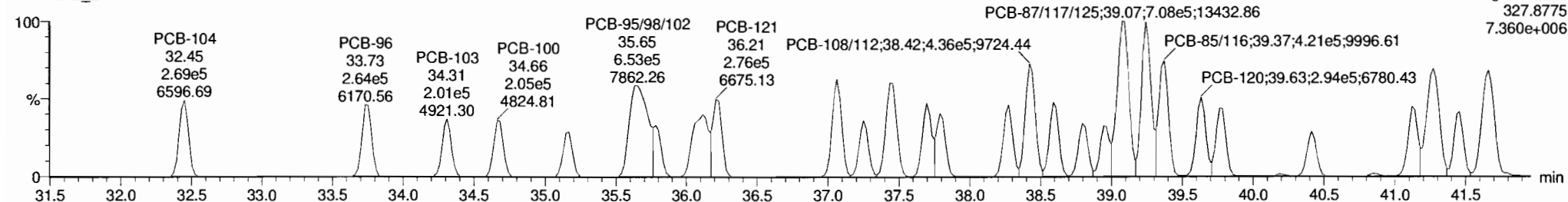
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time
Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

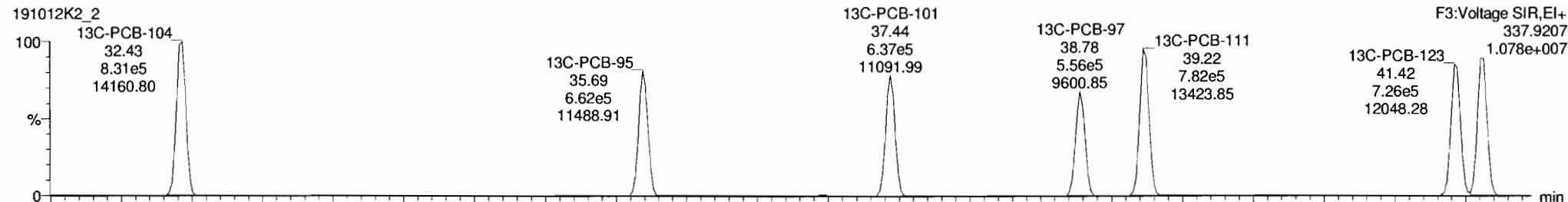
PCB-104



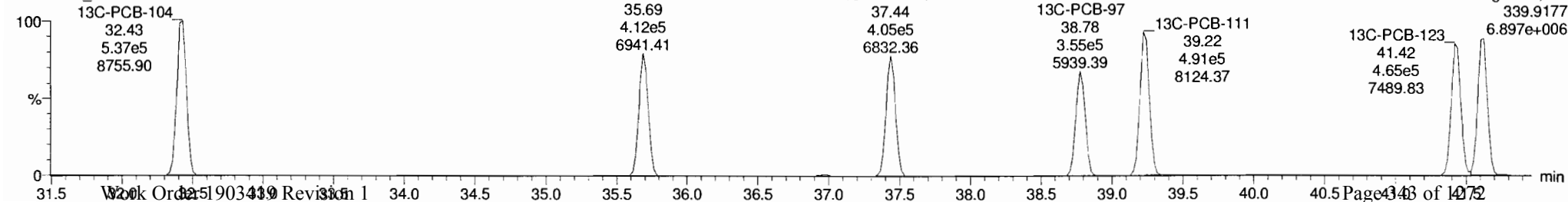
PCB-104



13C-PCB-104



13C-PCB-104



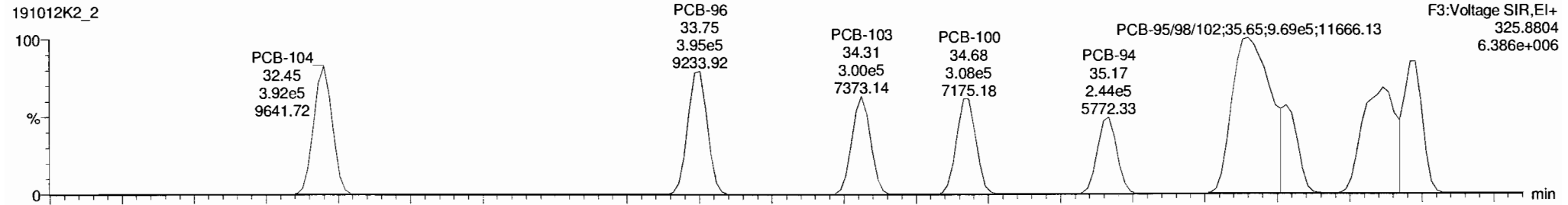
Dataset: Untitled

Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time
Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

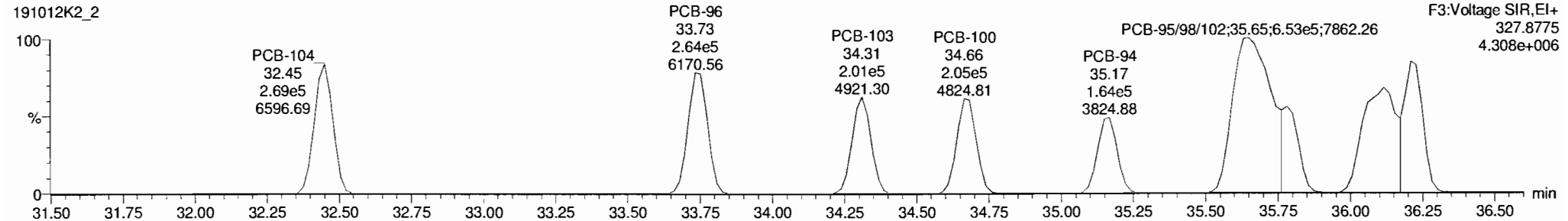
Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-96

191012K2_2

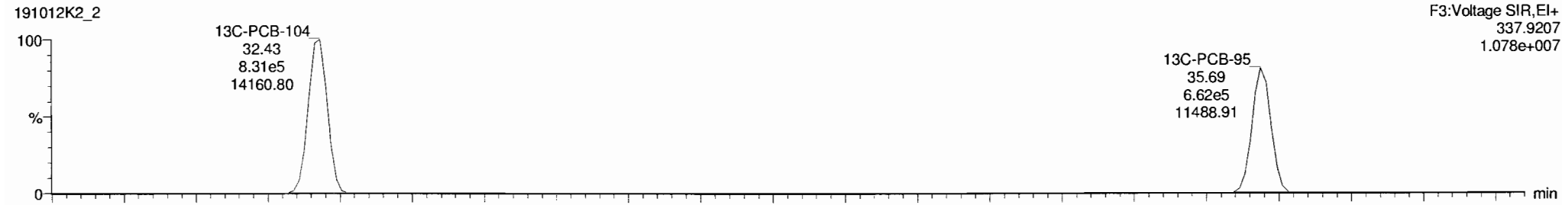


191012K2_2

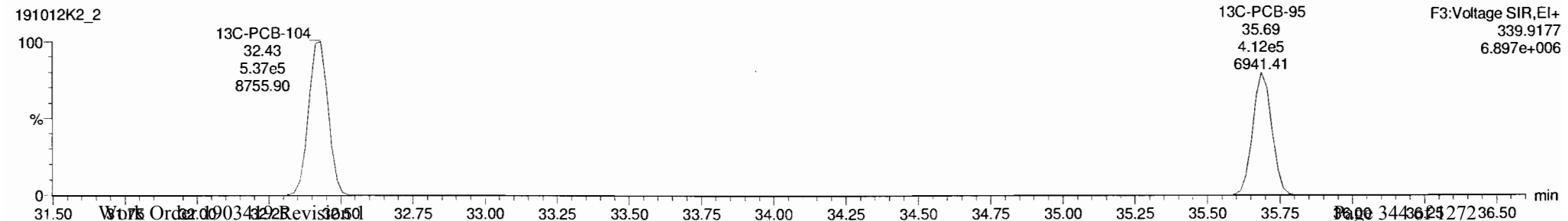


13C-PCB-95

191012K2_2



191012K2_2



Dataset: Untitled

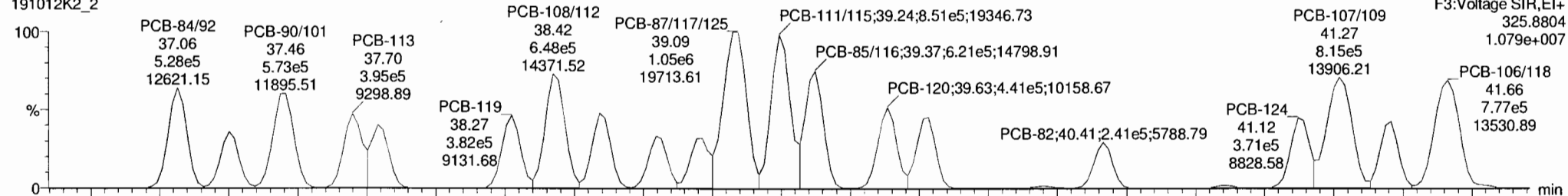
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

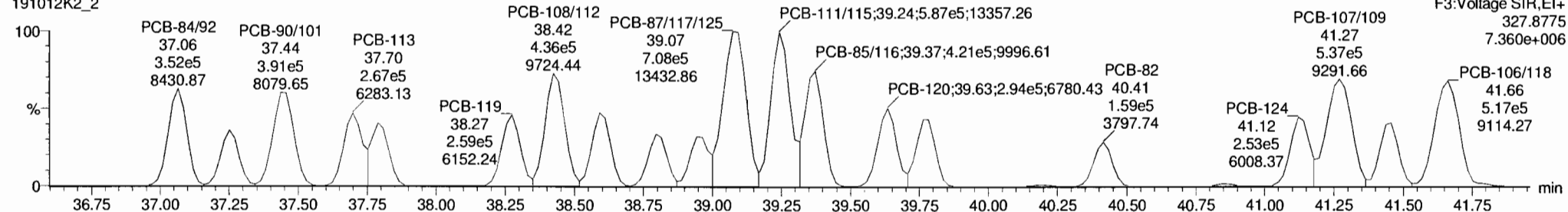
Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-119

191012K2_2

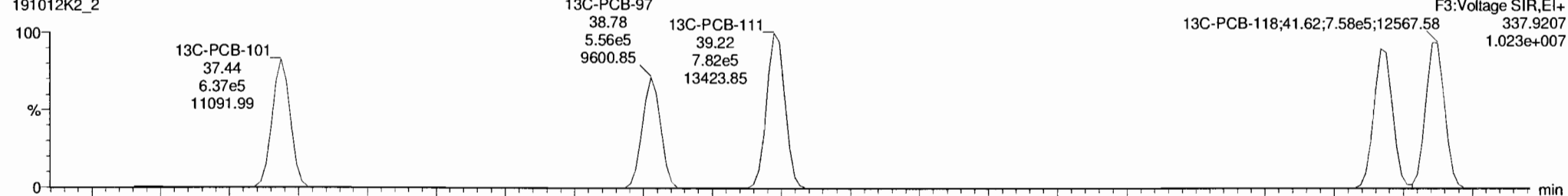


191012K2_2

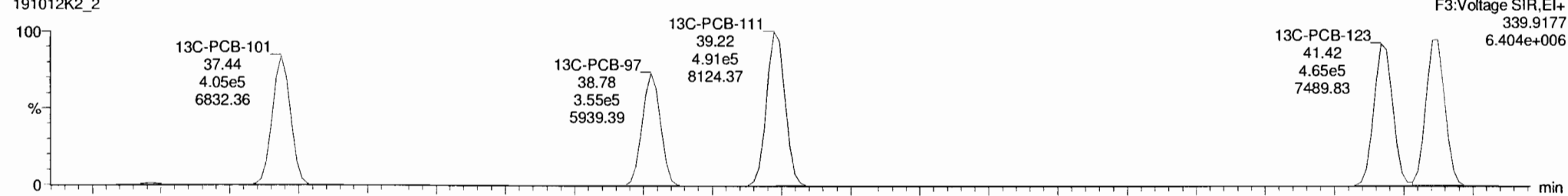


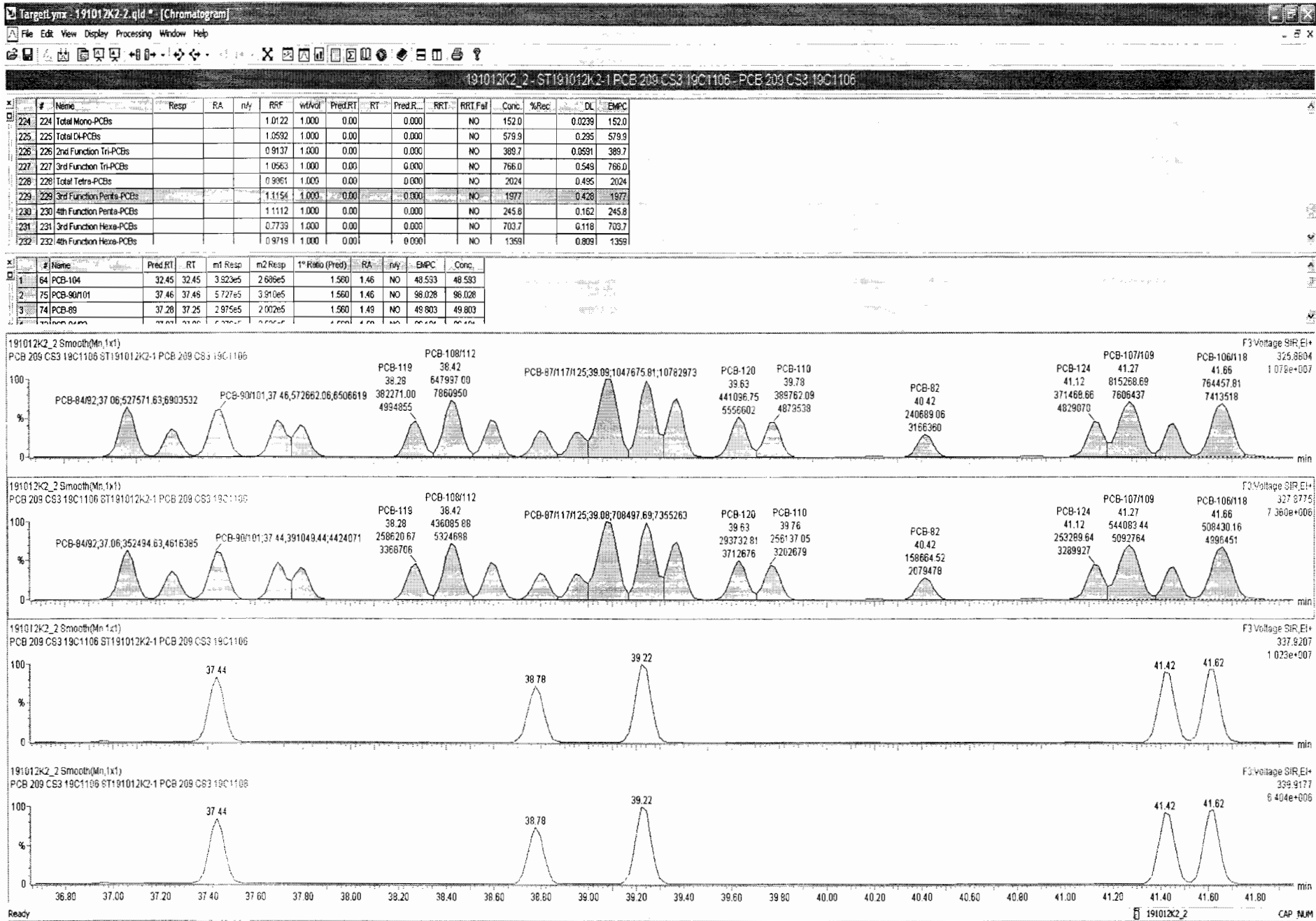
13C-PCB-111

191012K2_2



191012K2_2





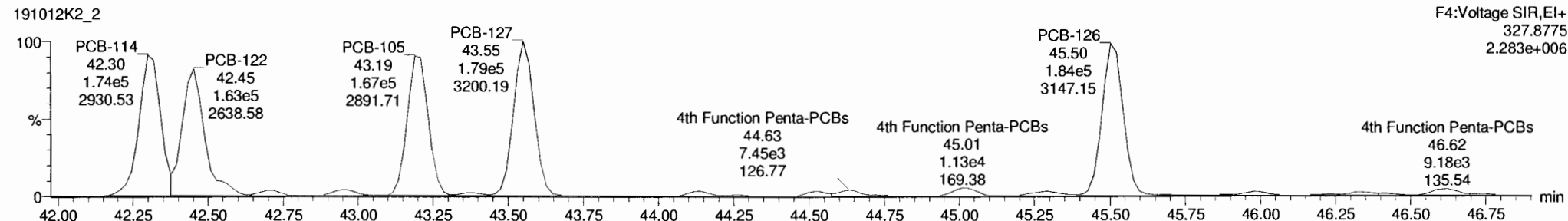
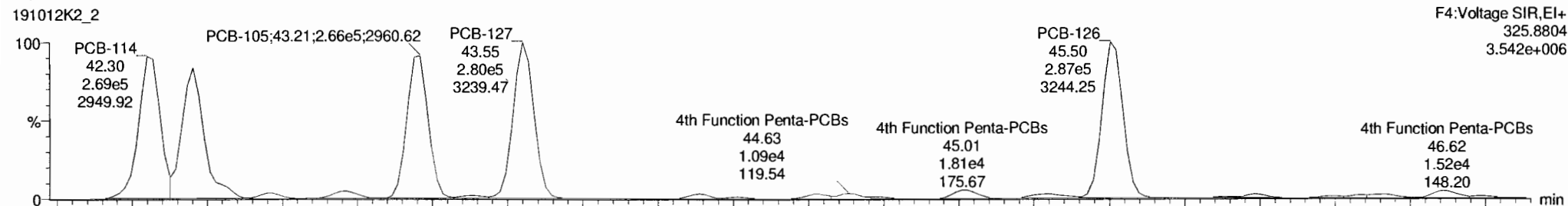
Dataset: Untitled

Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

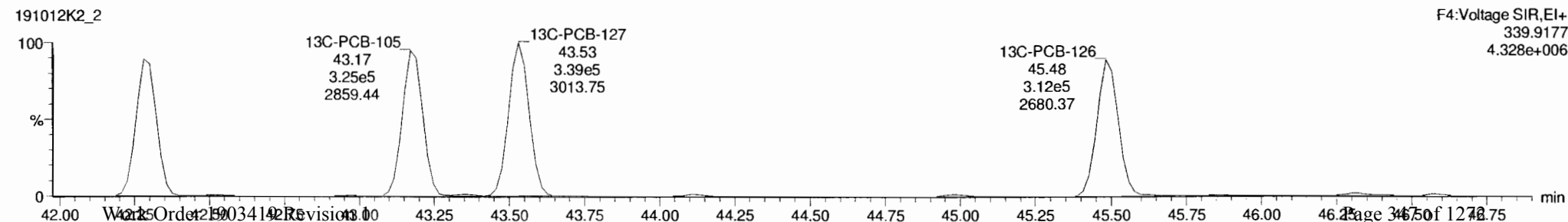
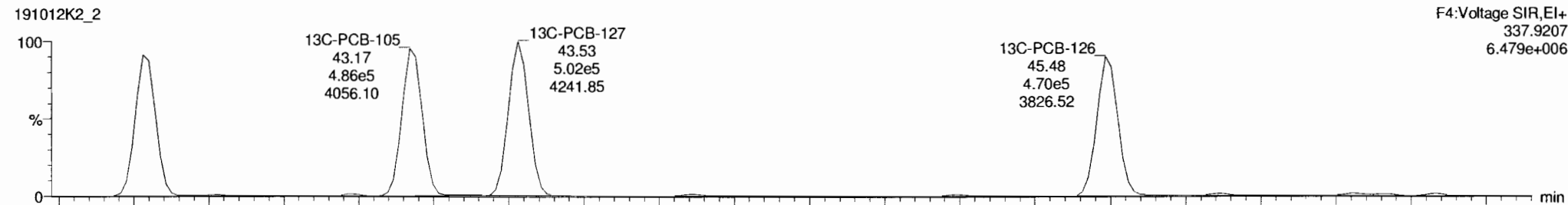
Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

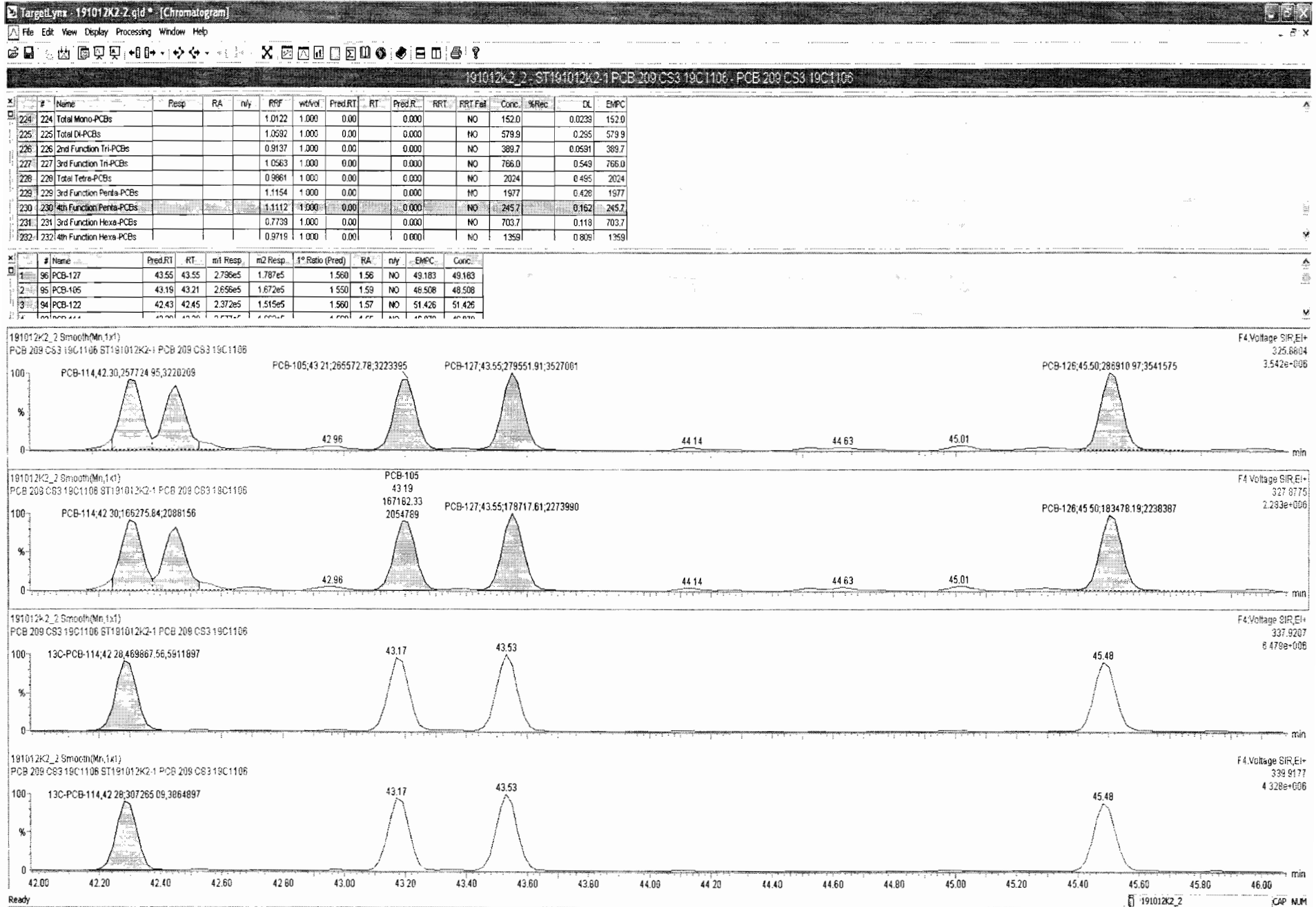
Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-114



13C-PCB-114





Dataset: Untitled

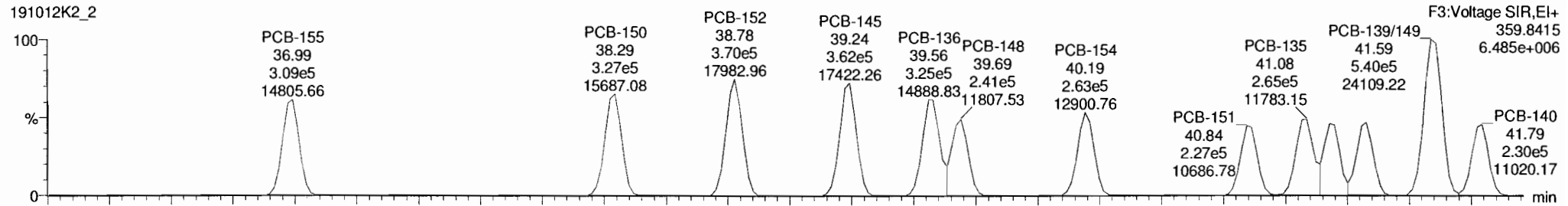
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

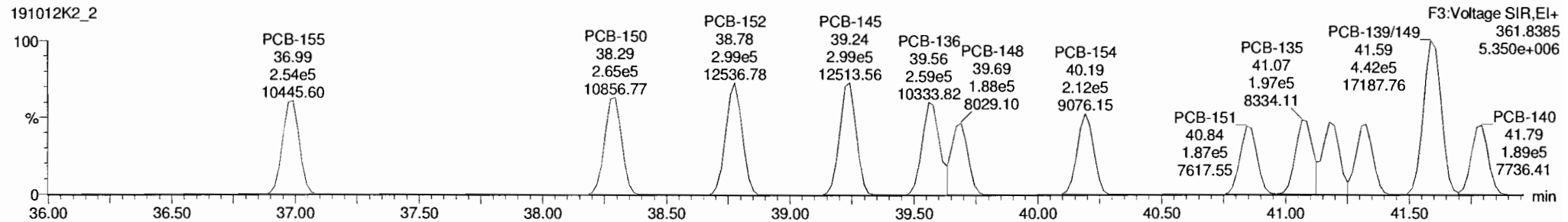
Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-155

191012K2_2

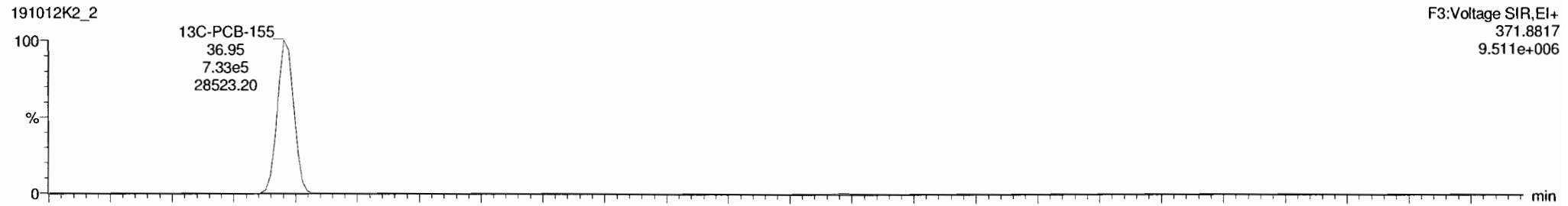


191012K2_2

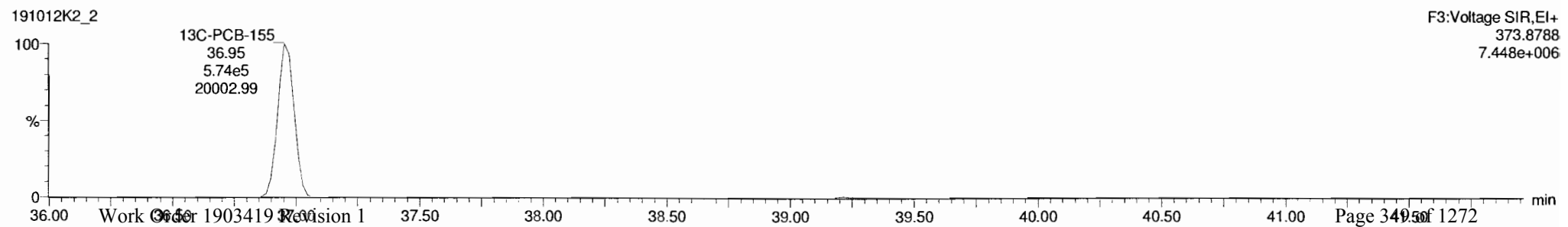


13C-PCB-155

191012K2_2



191012K2_2



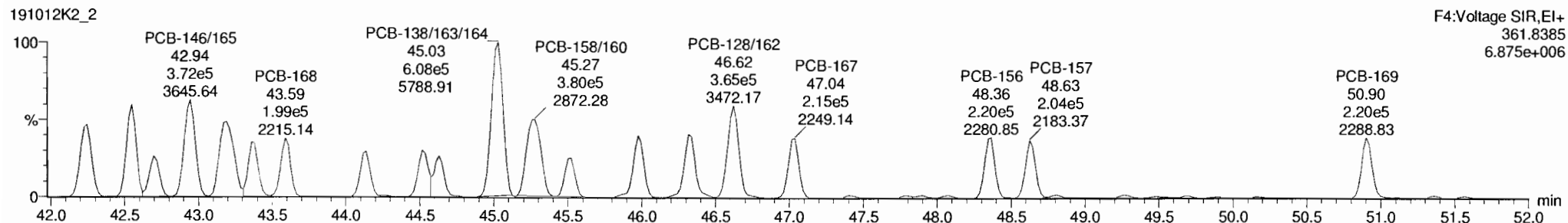
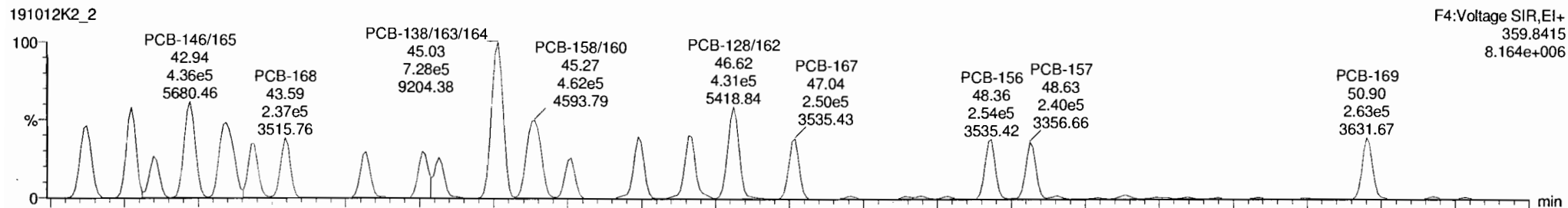
Dataset: Untitled

Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

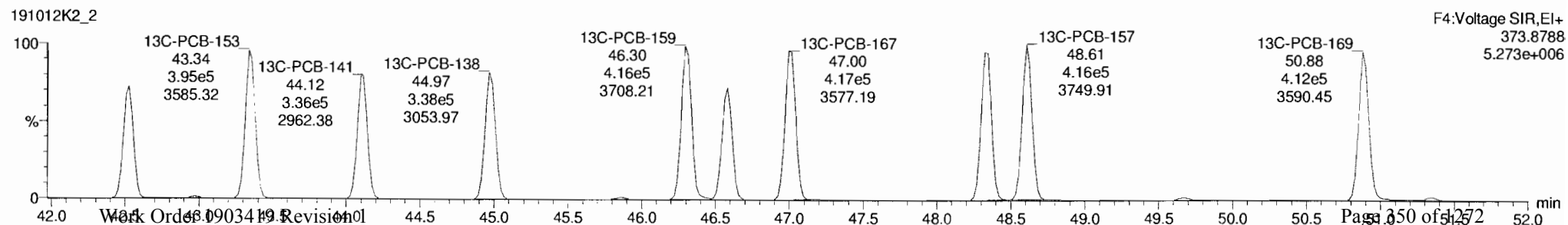
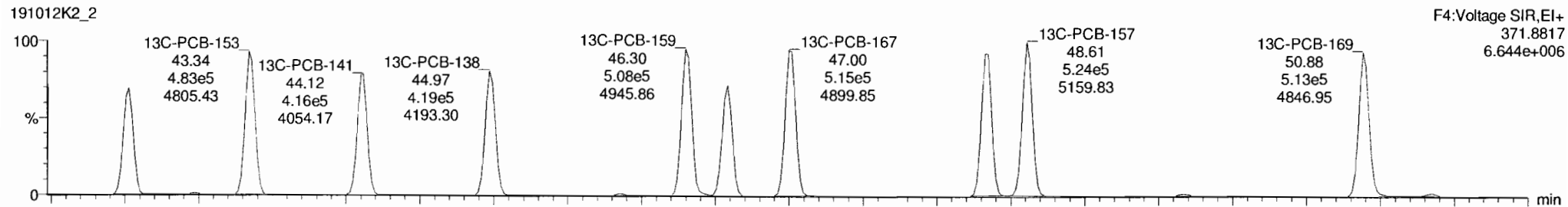
Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-134/143



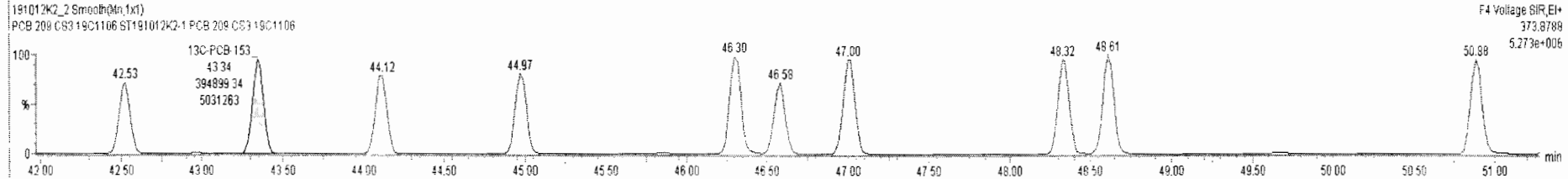
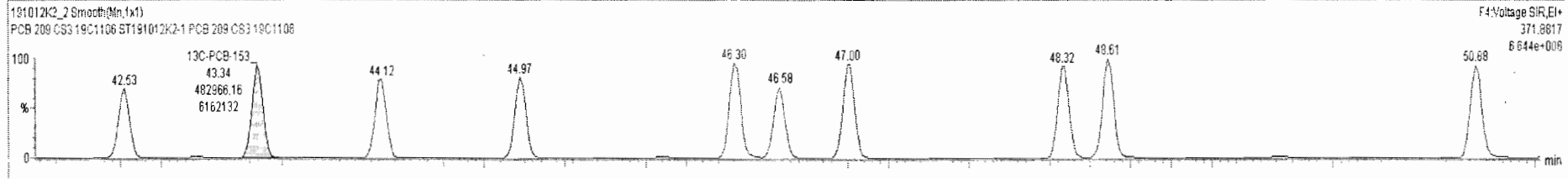
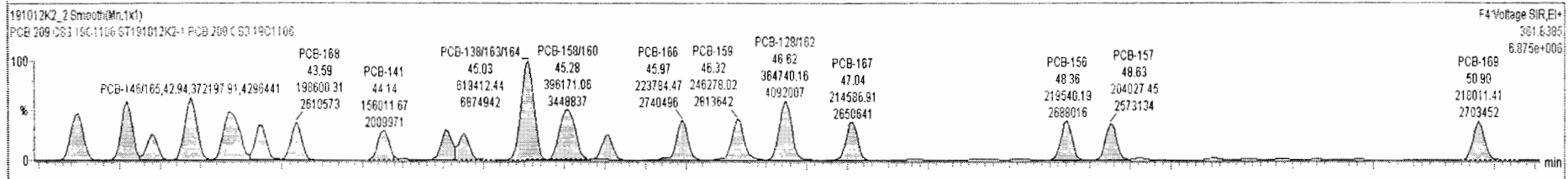
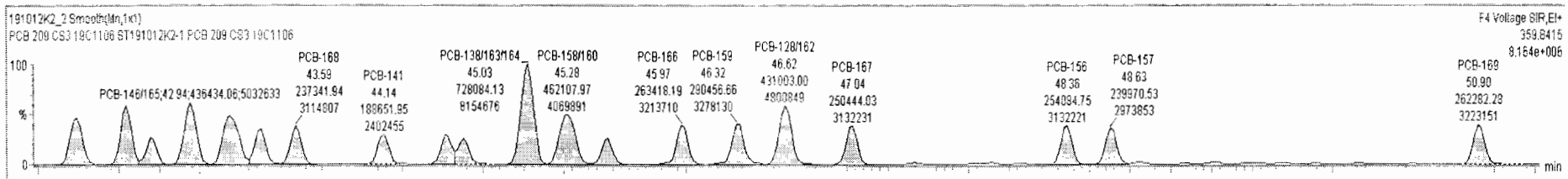
13C-PCB-153



191012K2_2-ST191012K2-1 PCB 209 CS3 19C1106- PCB 209 CS3 19C1106

| # | Name | Resp | RA | nly | RRF | wt/wt | Pred RT | RT | Pred R... | RRT | RRT Fail | Conc. | %Rec. | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|----|-----------|-----|----------|-------|-------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.000 | | 0.000 | | NO | 152.0 | | 0.0239 | 152.0 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.000 | | 0.000 | | NO | 579.9 | | 0.295 | 579.9 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.000 | | 0.000 | | NO | 389.7 | | 0.0591 | 389.7 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0583 | 1.000 | 0.000 | | 0.000 | | NO | 766.0 | | 0.549 | 766.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9961 | 1.000 | 0.000 | | 0.000 | | NO | 2024 | | 0.495 | 2024 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.000 | | 0.000 | | NO | 1977 | | 0.428 | 1977 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.000 | | 0.000 | | NO | 245.7 | | 0.162 | 245.7 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.000 | | 0.000 | | NO | 703.7 | | 0.118 | 703.7 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.000 | | 0.000 | | NO | 1358 | | 0.809 | 1358 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1 st Ratio (Pred) | RA | nly | EMPC | Conc. |
|---|------------|---------|-------|---------|---------|------------------------------|------|-----|--------|--------|
| 1 | 1. PCB-130 | 44.63 | 44.63 | 1.669e5 | 1.428e5 | 1.240 | 1.17 | NO | 48.993 | 48.993 |
| 2 | 2. PCB-137 | 44.52 | 44.52 | 1.839e5 | 1.588e5 | 1.240 | 1.16 | NO | 46.127 | 46.127 |
| 3 | 3. PCB-141 | 44.14 | 44.14 | 1.887e5 | 1.560e5 | 1.240 | 1.21 | NO | 47.379 | 47.379 |

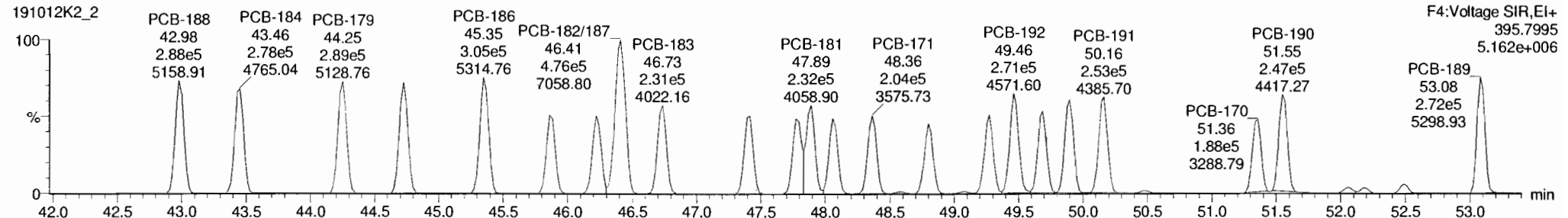
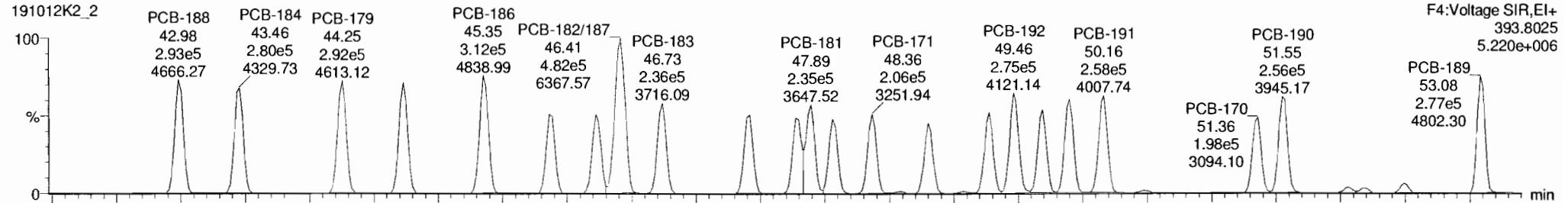


Dataset: Untitled

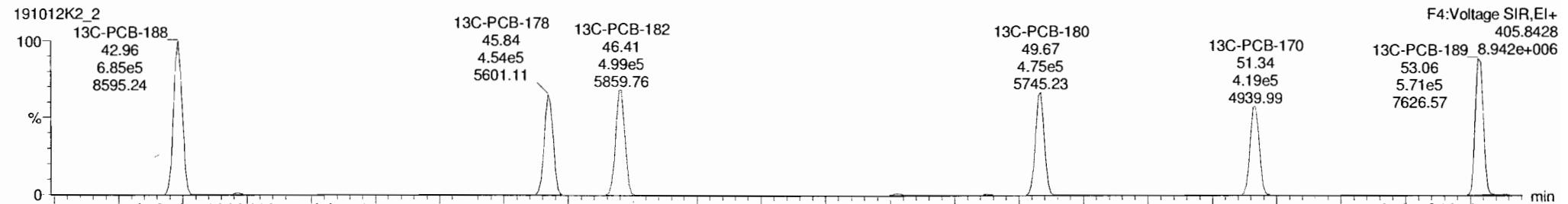
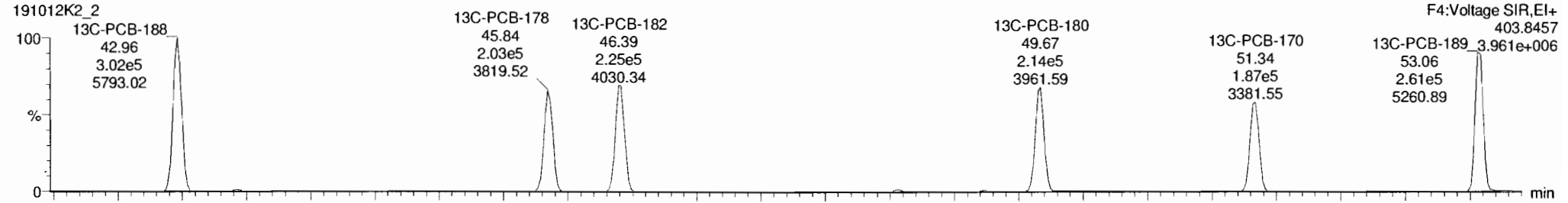
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time
 Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-188



13C-PCB-188



Dataset: Untitled

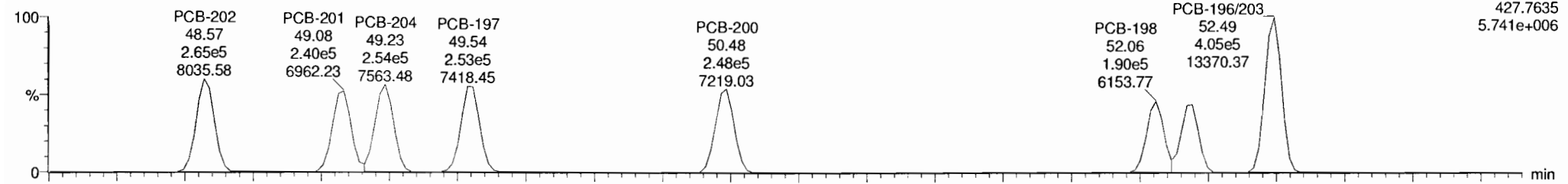
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

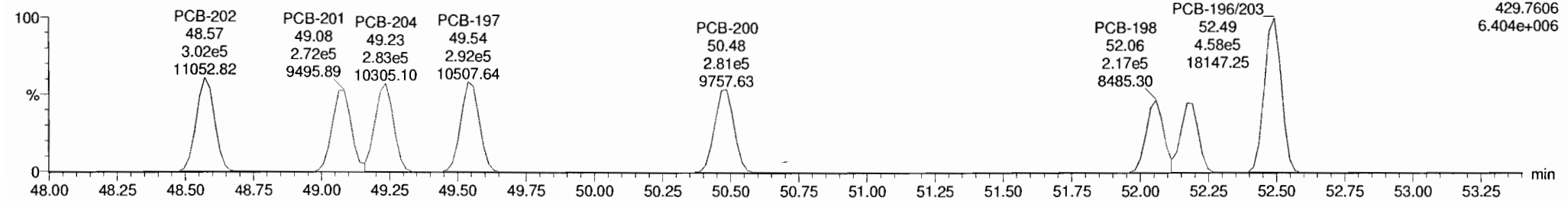
Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-202

191012K2_2

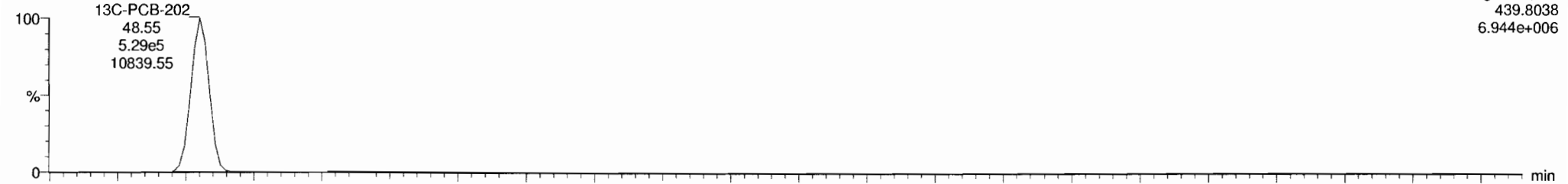


191012K2_2

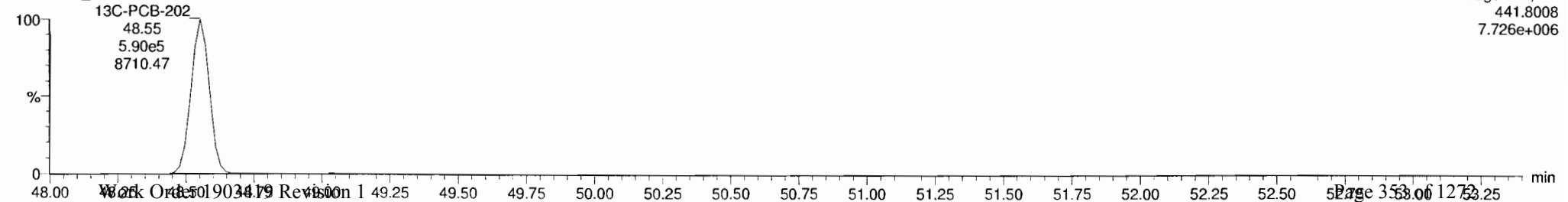


13C-PCB-202

191012K2_2



191012K2_2



Dataset: Untitled

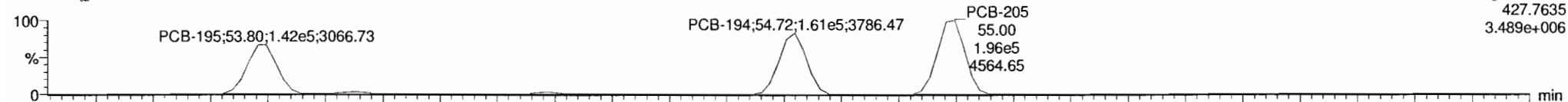
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

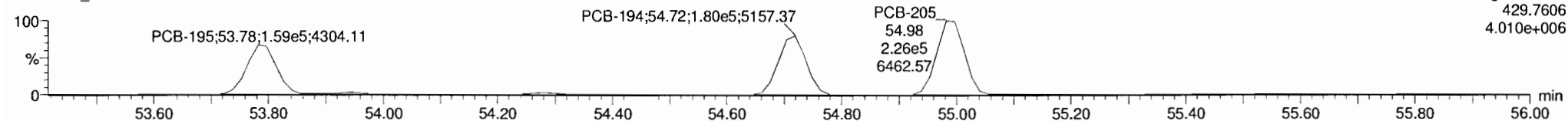
Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-195

191012K2_2

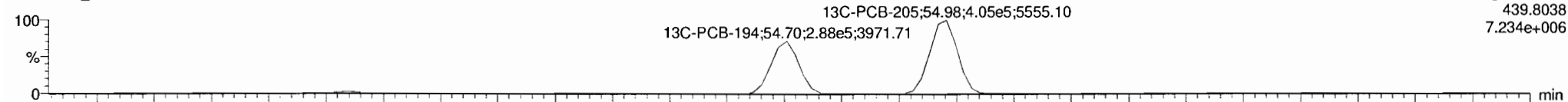


191012K2_2

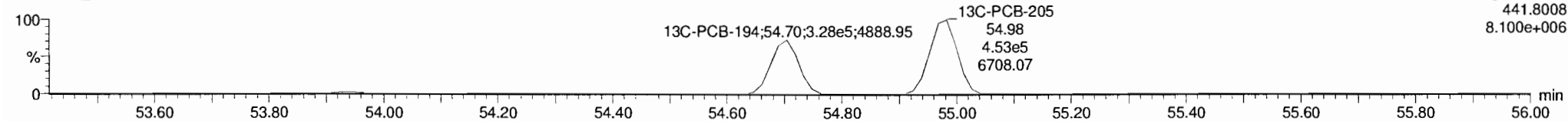


13C-PCB-194

191012K2_2

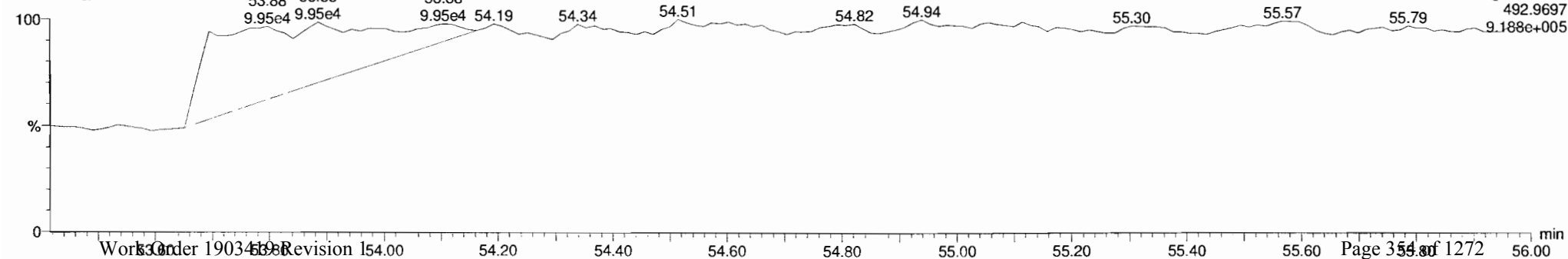


191012K2_2



PFK5

191012K2_2



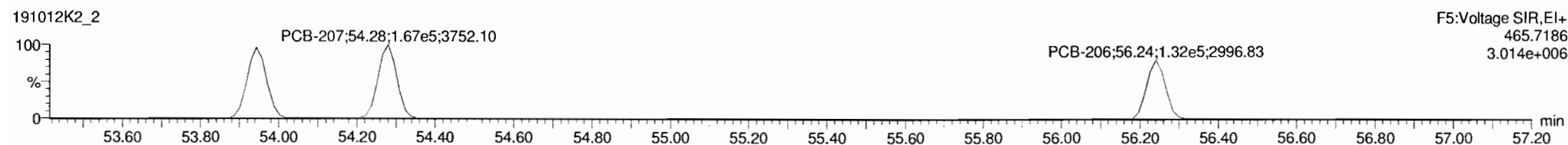
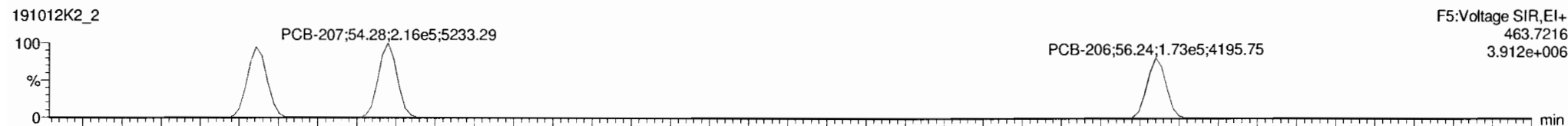
Dataset: Untitled

Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

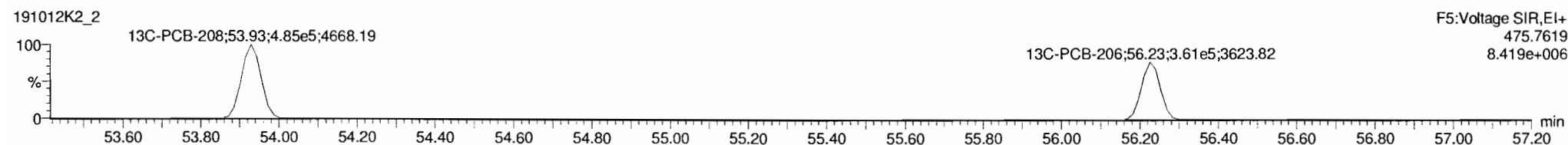
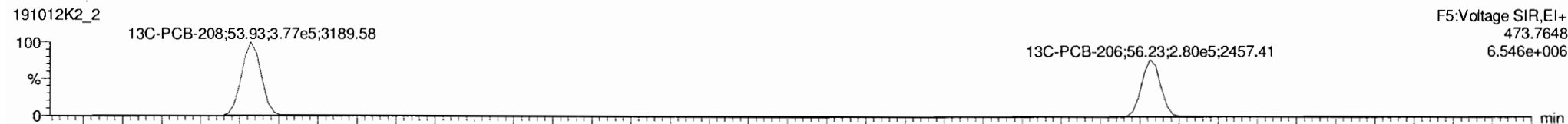
Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

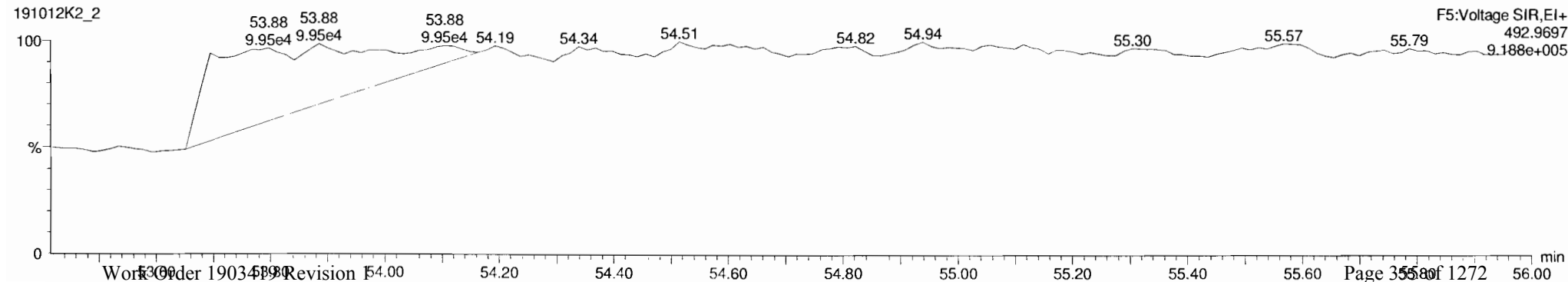
PCB-208



13C-PCB-208



PFK5



Dataset: Untitled

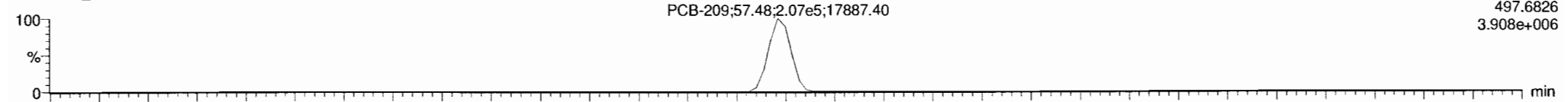
Last Altered: Monday, October 14, 2019 09:59:28 Pacific Daylight Time

Printed: Monday, October 14, 2019 10:00:26 Pacific Daylight Time

Name: 191012K2_2, Date: 13-Oct-2019, Time: 03:23:37, ID: ST191012K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

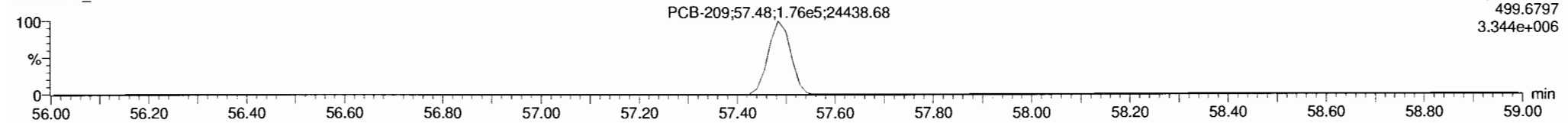
PCB-209

191012K2_2



F5:Voltage SIR,EI+
497.6826
3.908e+006

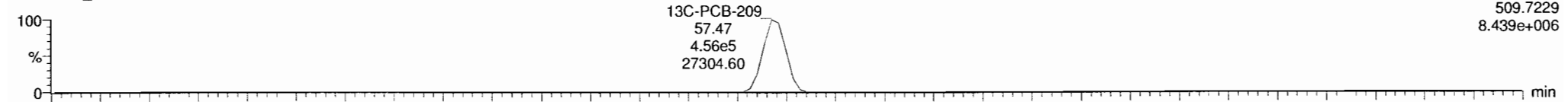
191012K2_2



F5:Voltage SIR,EI+
499.6797
3.344e+006

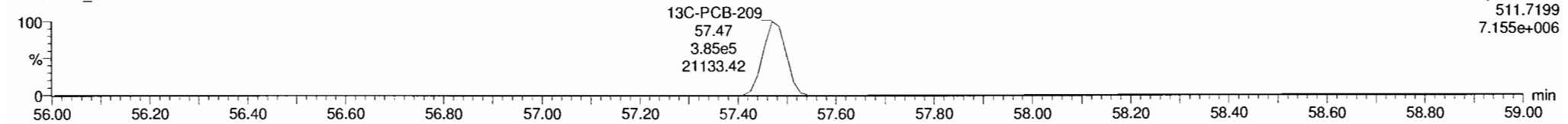
13C-PCB-209

191012K2_2



F5:Voltage SIR,EI+
509.7229
8.439e+006

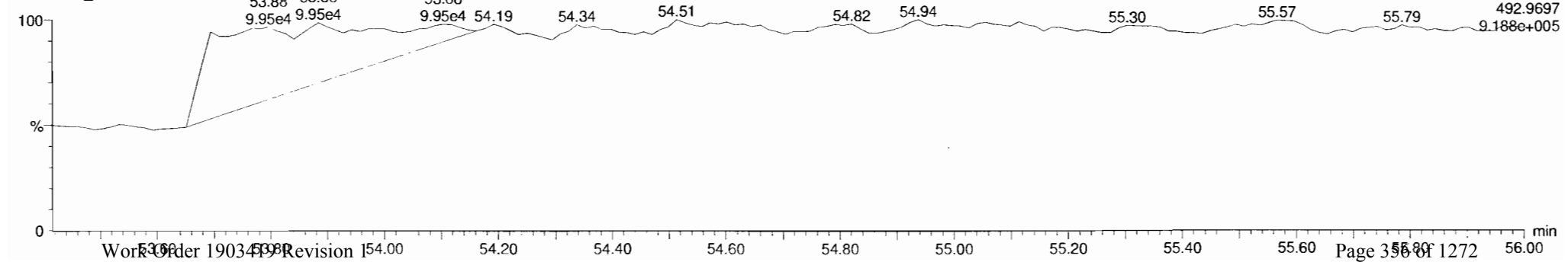
191012K2_2



F5:Voltage SIR,EI+
511.7199
7.155e+006

PFK5

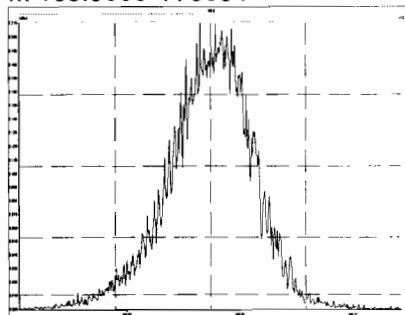
191012K2_2



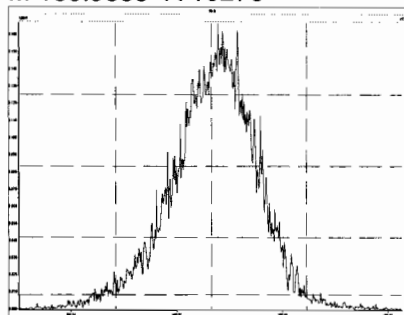
F5:Voltage SIR,EI+
492.9697
9.188e+005

Ⓐ Did not centroid. EL 10.14.19
Ⓟ PFK bleed EL 10.14.19

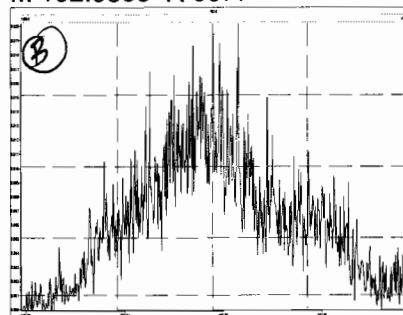
M 168.9888 R 9694



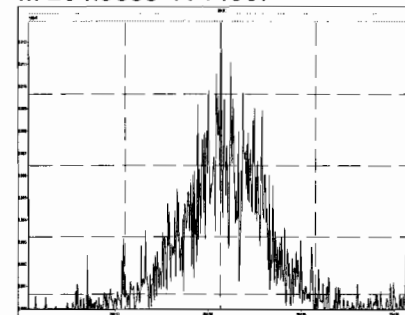
M 180.9888 R 10276



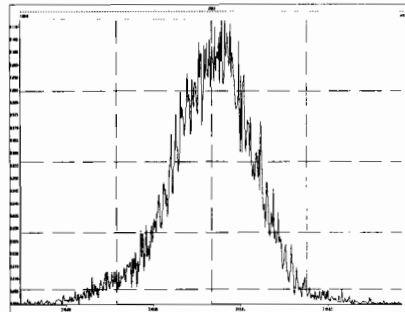
M 192.9888 R 6677



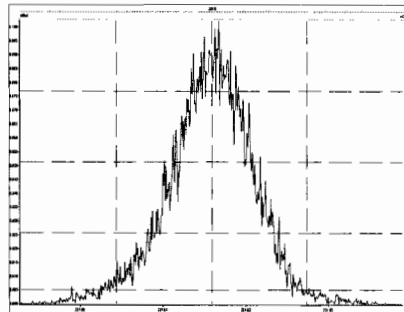
M 204.9888 R 14007



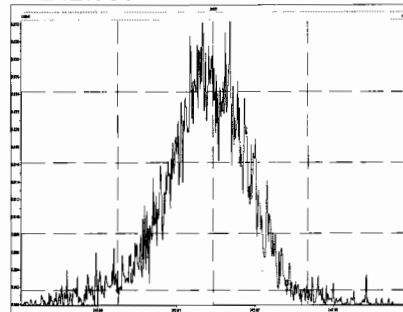
M 218.9856 R 10156



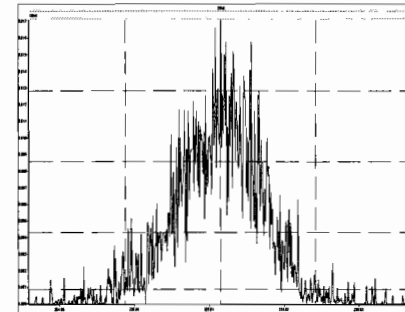
M 230.9856 R 10381



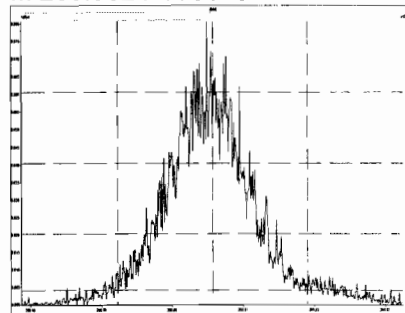
M 242.9856 R 11522



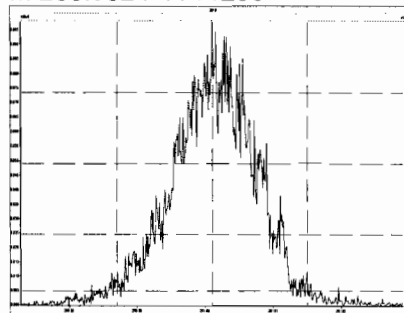
M 254.9856 R 14045



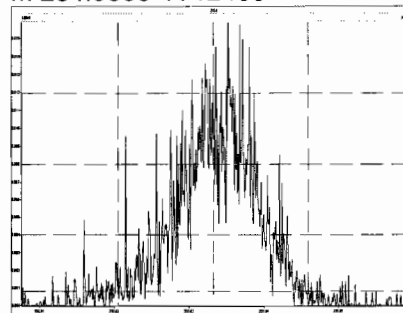
M 268.9824 R 9519



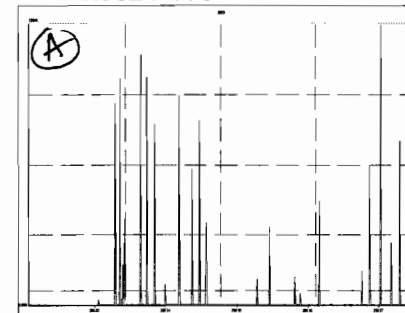
M 280.9824 R 11236



M 254.9856 R 12400

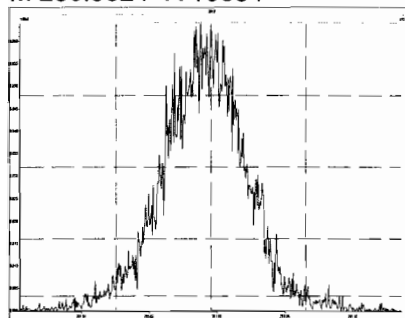


M 268.9824 R 0

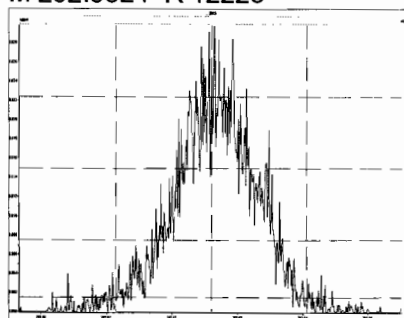


Printed: Sunday, October 13, 2019 14:58:53 Pacific Daylight Time

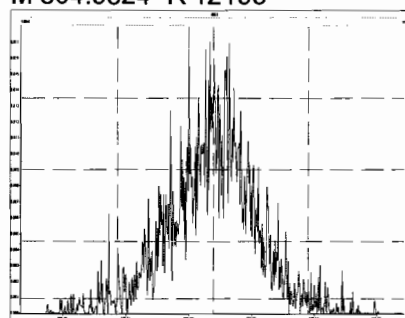
M 280.9824 R 10684



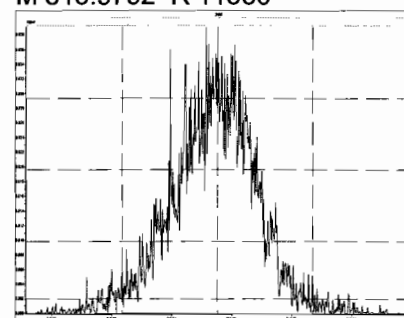
M 292.9824 R 12225



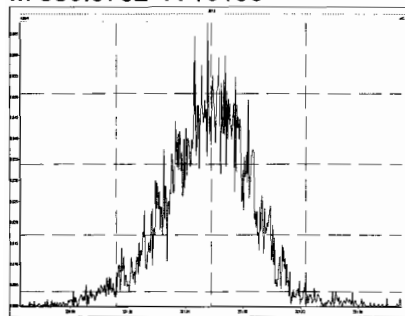
M 304.9824 R 12195



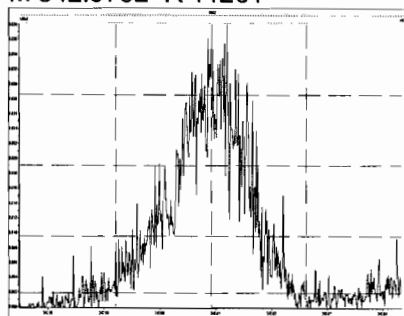
M 318.9792 R 11880



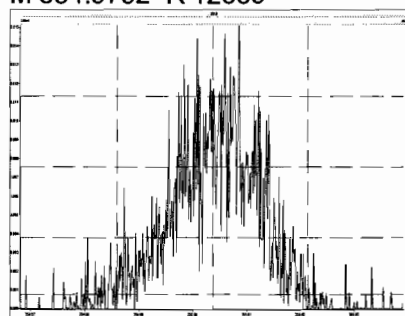
M 330.9792 R 10198



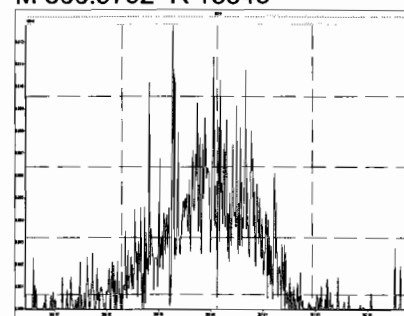
M 342.9792 R 11261



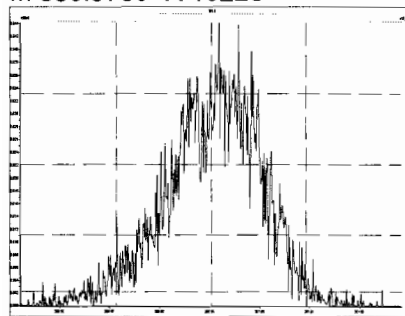
M 354.9792 R 12889



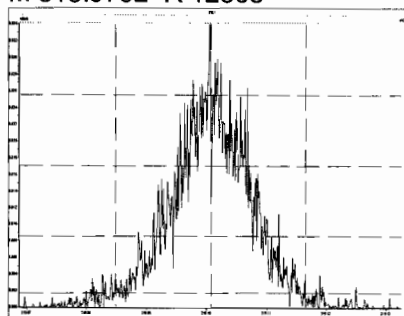
M 366.9792 R 15845



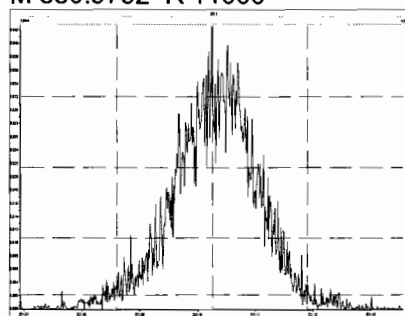
M 380.9760 R 10223



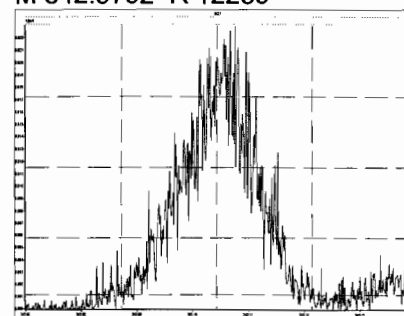
M 318.9792 R 12863



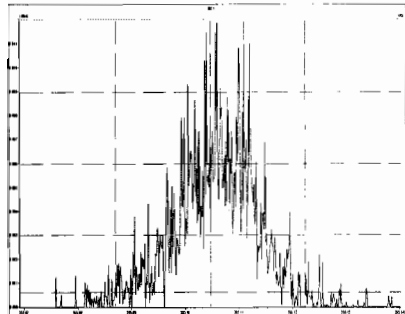
M 330.9792 R 11000



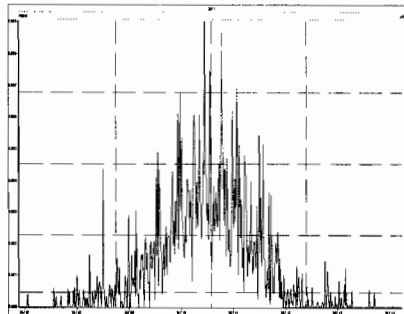
M 342.9792 R 12259



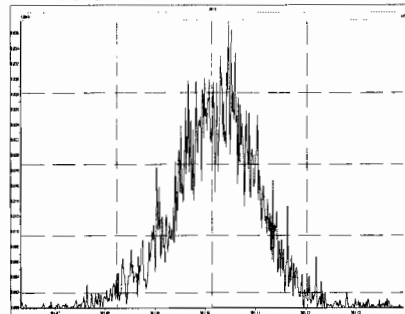
M 354.9792 R 21056



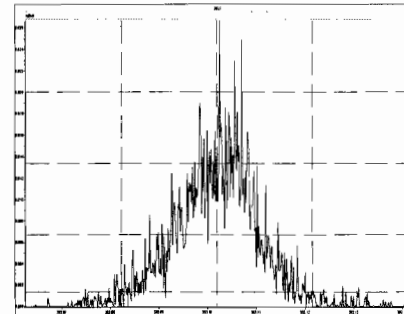
M 366.9792 R 14718



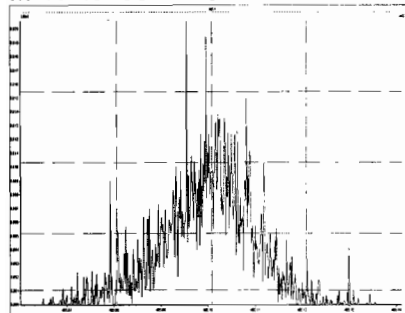
M 380.9760 R 11194



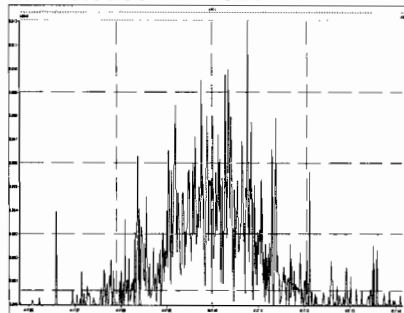
M 392.9760 R 12603



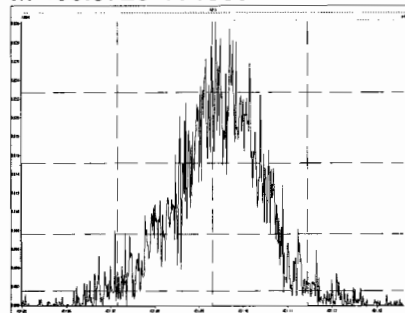
M 404.9760 R 13412



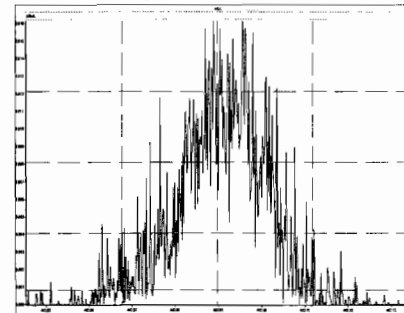
M 416.9760 R 21521



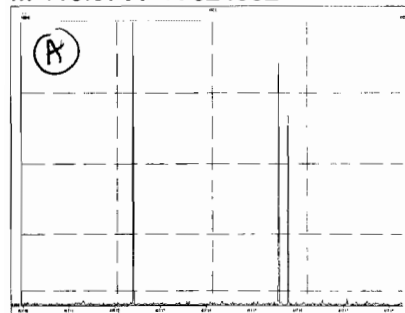
M 430.9728 R 13091



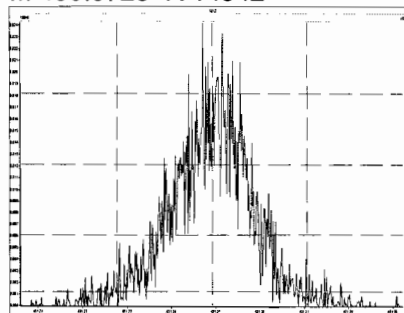
M 442.9728 R 14145



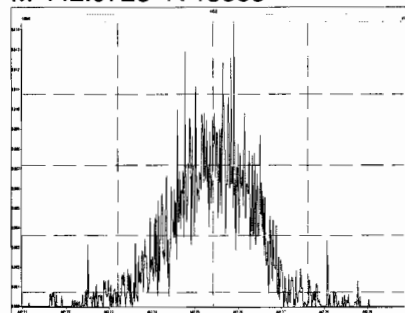
M 416.9760 R 624992



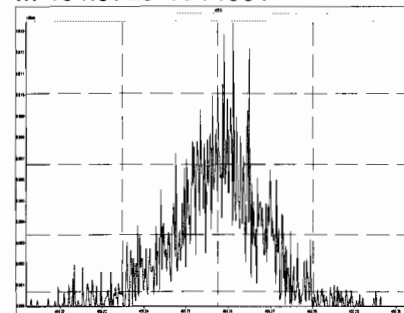
M 430.9728 R 14842



M 442.9728 R 13858

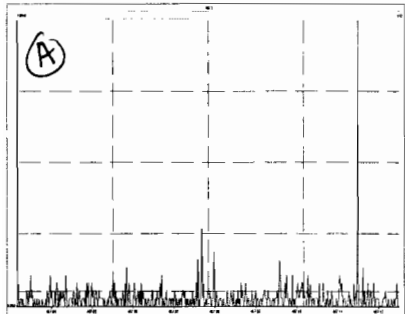


M 454.9728 R 14661

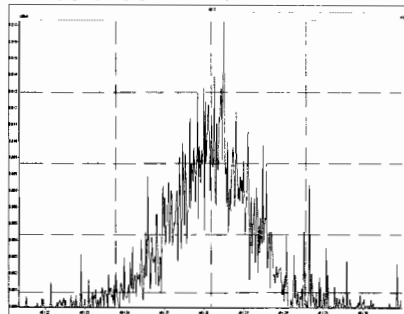


Printed: Sunday, October 13, 2019 14:58:53 Pacific Daylight Time

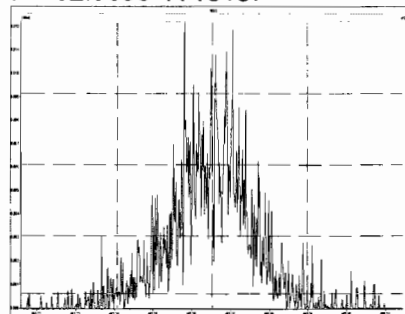
M 466.9728 R 937469



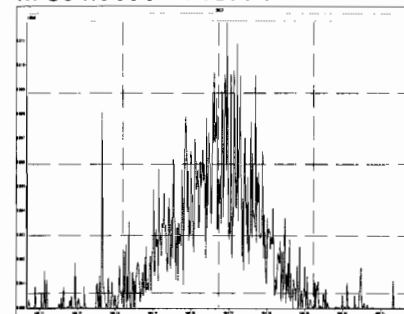
M 480.9696 R 14066



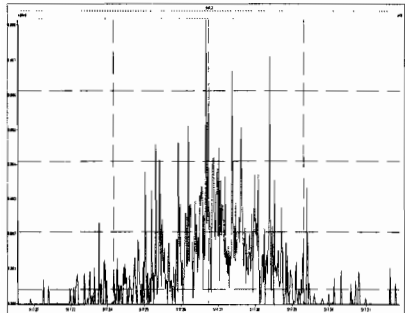
M 492.9696 R 13187



M 504.9696 R 13774



M 516.9697 R 24761



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191017K2-1

Reviewed By: Hc 10/18/19

Initials & Date

End Calibration ID: NA

| | <u>Beg.</u> | <u>End</u> |
|--|-------------------------------------|------------------------------------|
| Ion abundance within QC limits? | <input checked="" type="checkbox"/> | <input type="checkbox"/> <u>NA</u> |
| Concentrations within criteria? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| TCDD/TCDF Valleys <25% | <input type="checkbox"/> <u>NA</u> | <input type="checkbox"/> |
| First and last eluters present? | <input 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>GRB</u> | <input type="checkbox"/> |
| <u>Run Log:</u> | | |
| - Correct instrument listed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> <u>✓</u> |
| - Samples within 12 hour clock? | <input type="checkbox"/> <u>(Y)</u> | <input type="checkbox"/> <u>N</u> |
| - Bottle position verified? | <u>GRB</u> | <input type="checkbox"/> |

Mass resolution \geq

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

Intergrated peaks display correctly?

GC Break <20%

8280 CS1 End Standard:

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

Comments:

(A) COLUMN BLEED ON ONE MASS ON END RES CHECK

| | <u>Beg.</u> | <u>End</u> |
|--|-------------------------------------|-------------------------------------|
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> <u>NA</u> |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> <u>NA</u> |

Dataset: U:\VG11.PRO\Results\191017K2\191017K2-1.qld

Last Altered: Friday, October 18, 2019 07:58:05 Pacific Daylight Time
Printed: Friday, October 18, 2019 07:59:24 Pacific Daylight Time

GRB 10/18/19

HL 10/18/19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|------|-----|-------|--------|---------|-------|-------|----------|----------|-------|------|---------|------|
| 1 | 2 Hexachlorobenzene | 9.95e5 | 1.07e6 | 1.19 | NO | 0.856 | 1.000 | 23.03 | 23.03 | 1.001 | 1.001 | NO | 54.4 | 109 | 0.00723 | 54.4 |
| 2 | 3 Alpha-BHC | 3.16e5 | 3.89e5 | 2.19 | NO | 0.758 | 1.000 | 23.59 | 23.58 | 1.001 | 1.002 | NO | 53.6 | 107 | 0.168 | 53.6 |
| 3 | 4 Lindane (gamma-BHC) | 2.35e5 | 2.79e5 | 2.25 | NO | 0.766 | 1.000 | 26.88 | 26.89 | 1.001 | 1.001 | NO | 55.1 | 110 | 0.272 | 55.1 |
| 4 | 5 Beta-BHC | 2.12e5 | 2.21e5 | 2.15 | NO | 0.889 | 1.000 | 28.90 | 28.93 | 1.001 | 1.000 | NO | 54.1 | 108 | 0.260 | 54.1 |
| 5 | 6 Delta-BHC | 2.27e5 | 2.50e5 | 2.13 | NO | 0.837 | 1.000 | 30.59 | 30.60 | 1.001 | 1.001 | NO | 54.2 | 108 | 0.230 | 54.2 |
| 6 | 7 Heptachlor | 9.92e4 | 9.75e4 | 1.06 | NO | 0.947 | 1.000 | 29.04 | 29.06 | 1.002 | 1.001 | NO | 53.7 | 107 | 0.155 | 53.7 |
| 7 | 9 Aldrin | 2.05e5 | 1.94e5 | 1.65 | NO | 0.957 | 1.000 | 31.15 | 31.16 | 1.001 | 1.001 | NO | 55.2 | 110 | 0.116 | 55.2 |
| 8 | 10 Oxychlorane | 4.77e4 | 4.45e4 | 1.40 | NO | 0.949 | 1.000 | 33.72 | 33.73 | 1.001 | 1.001 | NO | 56.5 | 113 | 0.475 | 56.5 |
| 9 | 11 cis-Heptachlor Epoxide | 6.47e4 | 5.99e4 | 1.64 | NO | 0.971 | 1.000 | 34.52 | 34.53 | 1.001 | 1.001 | NO | 55.7 | 111 | 0.341 | 55.7 |
| 10 | 12 trans-Heptachlor Epox... | 1.55e4 | 5.99e4 | 1.57 | NO | 0.246 | 1.000 | 35.02 | 35.01 | 1.015 | 1.015 | NO | 52.6 | 105 | 1.35 | 52.6 |
| 11 | 13 trans-Chlordane (gam... | 5.41e4 | 4.83e4 | 1.60 | NO | 0.996 | 1.000 | 35.43 | 35.42 | 1.000 | 1.001 | NO | 56.2 | 112 | 0.379 | 56.2 |
| 12 | 14 trans-Nonachlor | 5.65e4 | 5.59e4 | 1.60 | NO | 0.921 | 1.000 | 35.60 | 35.61 | 1.001 | 1.001 | NO | 54.9 | 110 | 0.365 | 54.9 |
| 13 | 15 cis-Chlordane | 5.59e4 | 5.59e4 | 1.62 | NO | 0.914 | 1.000 | 36.10 | 36.09 | 1.014 | 1.015 | NO | 54.6 | 109 | 0.368 | 54.6 |
| 14 | 16 Endosulfan I (alpha) | 3.35e4 | 3.12e4 | 1.57 | NO | 1.08 | 1.000 | 36.20 | 36.21 | 1.001 | 1.001 | NO | 49.9 | 99.8 | 0.541 | 49.9 |
| 15 | 18 2,4'-DDE | 1.00e6 | 1.13e6 | 1.26 | NO | 0.789 | 1.000 | 36.07 | 36.08 | 1.000 | 1.000 | NO | 56.2 | 112 | 0.181 | 56.2 |
| 16 | 19 4,4'-DDE | 7.32e5 | 8.11e5 | 1.30 | NO | 0.804 | 1.000 | 37.15 | 37.14 | 1.000 | 1.000 | NO | 56.1 | 112 | 0.242 | 56.1 |
| 17 | 20 Dieldrin | 1.02e5 | 9.75e4 | 1.53 | NO | 0.912 | 1.000 | 37.65 | 37.66 | 1.001 | 1.000 | NO | 57.1 | 114 | 0.282 | 57.1 |
| 18 | 21 Endrin | 3.84e4 | 3.97e4 | 1.57 | NO | 0.911 | 1.000 | 39.04 | 39.05 | 1.000 | 1.000 | NO | 53.1 | 106 | 0.641 | 53.1 |
| 19 | 22 cis-Nonachlor | 6.41e4 | 6.08e4 | 1.45 | NO | 0.945 | 1.000 | 39.33 | 39.34 | 1.000 | 1.000 | NO | 55.8 | 112 | 0.381 | 55.8 |
| 20 | 23 Endosulfan II (beta) | 1.96e4 | 1.70e4 | 1.57 | NO | 1.04 | 1.000 | 40.06 | 40.08 | 1.000 | 1.000 | NO | 55.4 | 111 | 1.27 | 55.4 |
| 21 | 24 2,4'-DDD | 8.50e5 | 8.59e5 | 1.52 | NO | 0.895 | 1.000 | 38.27 | 38.30 | 1.001 | 1.000 | NO | 55.3 | 111 | 0.363 | 55.3 |
| 22 | 25 2,4'-DDT | 4.74e5 | 4.85e5 | 1.49 | NO | 0.896 | 1.000 | 39.41 | 39.41 | 1.000 | 1.000 | NO | 54.5 | 109 | 0.719 | 54.5 |
| 23 | 26 4,4'-DDD | 7.96e5 | 7.45e5 | 1.53 | NO | 0.990 | 1.000 | 39.55 | 39.54 | 1.000 | 1.000 | NO | 54.0 | 108 | 0.328 | 54.0 |
| 24 | 27 4,4'-DDT | 3.76e5 | 3.44e5 | 1.49 | NO | 1.03 | 1.000 | 40.62 | 40.61 | 1.000 | 1.000 | NO | 53.3 | 107 | 0.717 | 53.3 |
| 25 | 28 Endosulfan Sulfate | 2.39e4 | 2.56e4 | 1.39 | NO | 0.934 | 1.000 | 41.78 | 41.80 | 1.000 | 1.000 | NO | 50.0 | 100 | 0.877 | 50.0 |
| 26 | 29 4,4'-Methoxychlor | 4.49e5 | 3.58e6 | 5.90 | NO | 1.14 | 1.000 | 43.65 | 43.65 | 1.000 | 1.000 | NO | 55.0 | 110 | 0.167 | 55.0 |
| 27 | 30 Mirex | 3.04e5 | 3.15e5 | 1.48 | NO | 0.897 | 1.000 | 44.23 | 44.22 | 1.000 | 1.000 | NO | 53.7 | 107 | 0.172 | 53.7 |
| 28 | 31 Endrin Aldehyde | 5.00e4 | 4.25e5 | 0.62 | NO | 0.956 | 1.000 | 41.21 | 41.20 | 1.000 | 1.000 | NO | 61.5 | 123 | 0.763 | 61.5 |
| 29 | 32 Endrin Ketone | 4.00e4 | 3.86e5 | 0.64 | NO | 0.875 | 1.000 | 44.35 | 44.38 | 1.001 | 1.000 | NO | 59.2 | 118 | 0.881 | 59.2 |
| 30 | 34 13C6-Hexachlorobenz... | 1.07e6 | 1.40e6 | 1.29 | NO | 0.697 | 1.000 | 23.00 | 23.00 | 0.873 | 0.873 | NO | 54.6 | 109 | 0.00764 | 54.6 |
| 31 | 35 13C6-Alpha-BHC | 1.38e5 | 1.40e6 | 0.77 | NO | 0.261 | 1.000 | 23.54 | 23.54 | 0.893 | 0.893 | NO | 53.0 | 106 | 0.00764 | 53.0 |

75-125%

50-150%

Dataset: U:\VG11.PRO\Results\191017K2\191017K2-1.qld

Last Altered: Friday, October 18, 2019 07:58:05 Pacific Daylight Time

Printed: Friday, October 18, 2019 07:59:24 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|-------|-----|--------|--------|---------|-------|-------|----------|----------|-------|-------|--------|--------|
| 32 | 36 13C6-Lindane (gamma) | 2.79e5 | 1.40e6 | 0.79 | NO | 0.204 | 1.000 | 26.85 | 26.85 | 1.019 | 1.019 | NO | 48.6 | 97.25 | 50.150 | 0.312 |
| 33 | 37 13C6-Beta-BHC | 2.21e5 | 1.40e6 | 0.78 | NO | 0.167 | 1.000 | 28.89 | 28.90 | 1.096 | 1.096 | NO | 47.0 | 94.0 | | 0.380 |
| 34 | 38 13C6-Delta-BHC | 2.50e5 | 1.40e6 | 0.79 | NO | 0.190 | 1.000 | 30.55 | 30.57 | 1.160 | 1.159 | NO | 46.9 | 93.7 | | 0.335 |
| 35 | 39 13C10-Heptachlor | 9.75e4 | 1.40e6 | 1.36 | NO | 0.0750 | 1.000 | 28.98 | 29.01 | 1.101 | 1.099 | NO | 46.4 | 92.7 | | 0.171 |
| 36 | 40 13C12-Aldrin | 1.94e5 | 1.40e6 | 1.67 | NO | 0.160 | 1.000 | 31.11 | 31.12 | 1.181 | 1.180 | NO | 43.2 | 86.3 | | 0.181 |
| 37 | 41 13C10-Oxychlorane | 4.45e4 | 1.40e6 | 1.54 | NO | 0.0435 | 1.000 | 33.68 | 33.70 | 1.279 | 1.278 | NO | 36.5 | 72.9 | | 0.666 |
| 38 | 42 13C10-cis-Heptachlor ... | 5.99e4 | 1.40e6 | 1.59 | NO | 0.0566 | 1.000 | 34.47 | 34.50 | 1.309 | 1.308 | NO | 37.7 | 75.4 | | 0.512 |
| 39 | 43 13C10-trans-Chlordan... | 4.83e4 | 1.40e6 | 1.62 | NO | 0.0466 | 1.000 | 35.36 | 35.41 | 1.343 | 1.342 | NO | 37.0 | 73.9 | | 0.622 |
| 40 | 44 13C10-trans-Nonachlor | 5.59e4 | 1.40e6 | 1.71 | NO | 0.0528 | 1.000 | 35.55 | 35.58 | 1.350 | 1.349 | NO | 37.8 | 75.5 | | 0.549 |
| 41 | 45 13C9-Endosulfan I (al... | 3.12e4 | 1.40e6 | 1.64 | NO | 0.0305 | 1.000 | 36.15 | 36.18 | 1.373 | 1.372 | NO | 36.4 | 72.8 | | 0.948 |
| 42 | 46 13C12-2,4'-DDE | 1.13e6 | 1.40e6 | 1.57 | NO | 0.987 | 1.000 | 36.08 | 36.06 | 0.996 | 0.996 | NO | 40.9 | 81.9 | | 0.175 |
| 43 | 47 13C12-4,4'-DDE | 8.11e5 | 1.40e6 | 1.54 | NO | 0.758 | 1.000 | 37.14 | 37.13 | 1.025 | 1.025 | NO | 38.2 | 76.3 | | 0.228 |
| 44 | 48 13C12-Dieldrin | 9.75e4 | 1.40e6 | 1.52 | NO | 0.0822 | 1.000 | 37.64 | 37.63 | 1.039 | 1.039 | NO | 42.2 | 84.5 | | 0.398 |
| 45 | 49 13C12-Endrin | 3.97e4 | 1.40e6 | 1.60 | NO | 0.0441 | 1.000 | 39.04 | 39.04 | 1.078 | 1.078 | NO | 32.1 | 64.2 | | 0.742 |
| 46 | 50 13C10-cis-Nonachlor | 6.08e4 | 1.40e6 | 1.57 | NO | 0.0509 | 1.000 | 39.31 | 39.32 | 1.085 | 1.085 | NO | 42.5 | 85.1 | | 0.643 |
| 47 | 51 13C9-Endosulfan II | 1.70e4 | 1.40e6 | 1.52 | NO | 0.0145 | 1.000 | 40.05 | 40.06 | 1.106 | 1.106 | NO | 41.9 | 83.8 | | 2.26 |
| 48 | 52 13C12-2,4'-DDD | 8.59e5 | 1.40e6 | 1.59 | NO | 0.768 | 1.000 | 38.24 | 38.27 | 1.452 | 1.451 | NO | 39.8 | 79.6 | | 0.190 |
| 49 | 53 13C12-2,4'-DDT | 4.85e5 | 1.40e6 | 1.84 | NO | 0.293 | 1.000 | 39.34 | 39.40 | 1.495 | 1.493 | NO | 59.0 | 118 | | 0.497 |
| 50 | 54 13C12-4,4'-DDD | 7.45e5 | 1.40e6 | 1.56 | NO | 0.654 | 1.000 | 39.47 | 39.53 | 1.500 | 1.498 | NO | 40.6 | 81.1 | | 0.223 |
| 51 | 55 13C12-4,4'-DDT | 3.44e5 | 1.40e6 | 1.58 | NO | 0.191 | 1.000 | 40.54 | 40.60 | 1.540 | 1.538 | NO | 64.2 | 128 | | 0.764 |
| 52 | 56 13C9-Endosulfan Sulf... | 2.56e4 | 1.40e6 | 1.55 | NO | 0.0203 | 1.000 | 41.76 | 41.78 | 1.153 | 1.153 | NO | 45.0 | 89.9 | | 2.21 |
| 53 | 57 13C12-Methoxychlor | 3.58e6 | 1.40e6 | 19.61 | NO | 0.231 | 1.000 | 43.61 | 43.64 | 1.205 | 1.204 | NO | 553 | 111 | | 0.686 |
| 54 | 58 13C10-Mirex | 3.15e5 | 1.40e6 | 1.57 | NO | 0.222 | 1.000 | 44.21 | 44.21 | 1.220 | 1.220 | NO | 50.7 | 101 | | 0.231 |
| 55 | 59 13C12-Endrin Aldehyde | 4.25e5 | 1.40e6 | 0.46 | NO | 0.0326 | 1.000 | 41.16 | 41.18 | 1.137 | 1.136 | NO | 464 | 92.9 | | 2.16 |
| 56 | 60 13C12-Endrin Ketone | 3.86e5 | 1.40e6 | 0.47 | NO | 0.0267 | 1.000 | 44.33 | 44.35 | 1.224 | 1.224 | NO | 515 | 103 | | 2.64 |
| 57 | 62 13C-PCB-15 | 1.40e6 | 1.40e6 | 1.53 | NO | 1.00 | 1.000 | 26.42 | 26.36 | 1.000 | 1.000 | NO | 50.0 | 100 | | 0.0464 |

Dataset: U:\VG11.PRO\Results\191017K2\191017K2-2.qld

Last Altered: Friday, October 18, 2019 09:16:03 Pacific Daylight Time
Printed: Friday, October 18, 2019 09:17:08 Pacific Daylight Time

GRB 10/18/19

Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 17 Oct 2019 10:48:50
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

Name: 191017K2_2, Date: 17-Oct-2019, Time: 16:25:06, ID: GC191017K2-1 GC BREAK, Description: GC BREAK

| # | Name | Resp | RA | n/y | RT |
|---|-------------------|--------|------|-----|-------|
| 1 | 1 Endrin Aldehyde | 2.01e4 | 0.60 | NO | 41.20 |
| 2 | 2 Endrin Ketone | 1.94e4 | 0.67 | NO | 44.36 |
| 3 | 3 Endrin | 2.50e5 | 1.58 | NO | 39.05 |
| 4 | 4 4,4'-DDE | | | NO | |
| 5 | 5 4,4'-DDD | 4.32e5 | 1.51 | NO | 39.54 |
| 6 | 6 4,4'-DDT | 4.93e6 | 1.54 | NO | 40.61 |

$$\frac{EA + EK}{E} \times 100\% = 15.8\%$$

$$\frac{DDE + DDD}{DDT} \times 100\% = 8.76\%$$

Dataset: Untitled

Last Altered: Friday, October 18, 2019 09:07:00 Pacific Daylight Time
Printed: Friday, October 18, 2019 09:08:21 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

Compound name: Hexachlorobutadiene

| Name | ID | Acq Date | Acq Time |
|-------------|-------------------------------|-----------|----------|
| 191017K2_1 | ST191017K2-1 1699 CS3 19H0204 | 17-Oct-19 | 15:38:20 |
| 191017K2_2 | GC191017K2-1 GC BREAK | 17-Oct-19 | 16:25:06 |
| 191017K2_3 | B9J0023-BS8 OPR 1 | 17-Oct-19 | 17:14:40 |
| 191017K2_4 | B9I0230-BS6 OPR 1 | 17-Oct-19 | 18:05:15 |
| 191017K2_5 | B9I0162-BS6 OPR 1 | 17-Oct-19 | 18:54:43 |
| 191017K2_6 | B9I0163-BS5 OPR 1 | 17-Oct-19 | 19:43:51 |
| 191017K2_7 | B9I0078-BS5 OPR 1 | 17-Oct-19 | 20:32:35 |
| 191017K2_8 | B9J0021-BS1 OPR 1 | 17-Oct-19 | 21:22:00 |
| 191017K2_9 | B9I0226-BS1 OPR 1 | 17-Oct-19 | 22:12:44 |
| 191017K2_10 | B9I0215-BS1 OPR 1 | 17-Oct-19 | 23:02:14 |
| 191017K2_11 | SOLVENT BLANK | 17-Oct-19 | 23:51:25 |
| 191017K2_12 | B9I0077-BLK1 Method Blank 1 | 18-Oct-19 | 00:40:09 |
| 191017K2_13 | B9I0162-BLK1 Method Blank 1 | 18-Oct-19 | 01:30:48 |
| 191017K2_14 | B9I0163-BLK1 Method Blank 1 | 18-Oct-19 | 02:19:57 |
| 191017K2_15 | B9I0078-BLK1 Method Blank 1 | 18-Oct-19 | 03:08:43 |

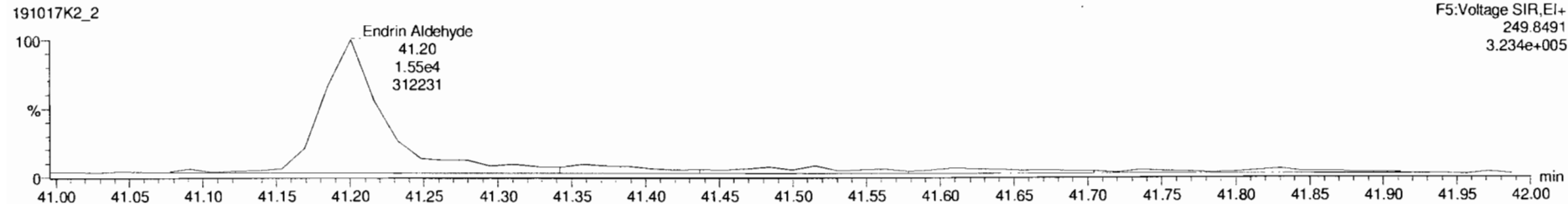
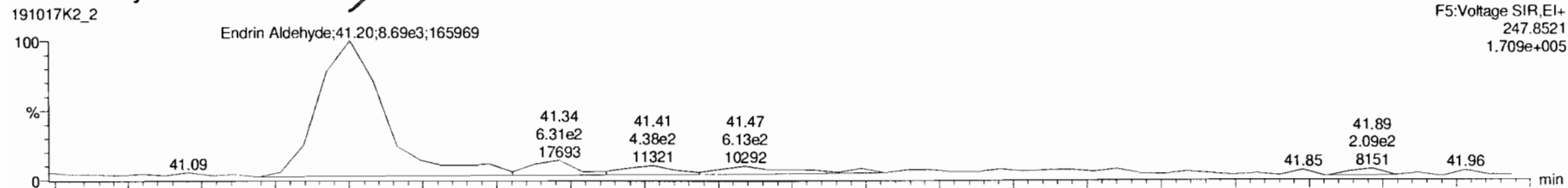
Dataset: Untitled

Last Altered: Friday, October 18, 2019 09:10:54 Pacific Daylight Time
Printed: Friday, October 18, 2019 09:11:14 Pacific Daylight Time

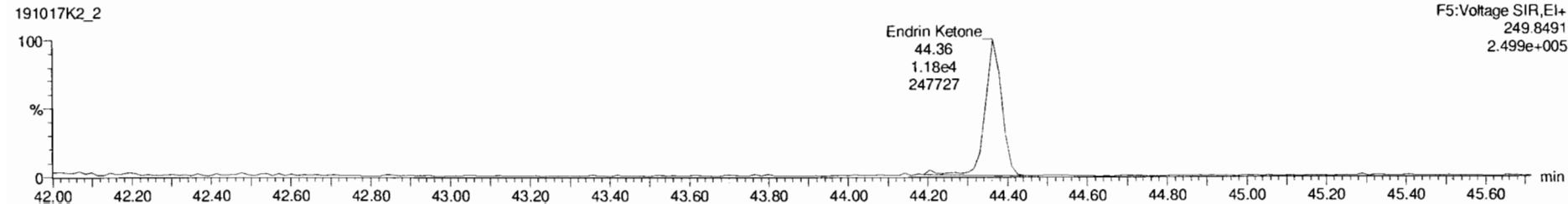
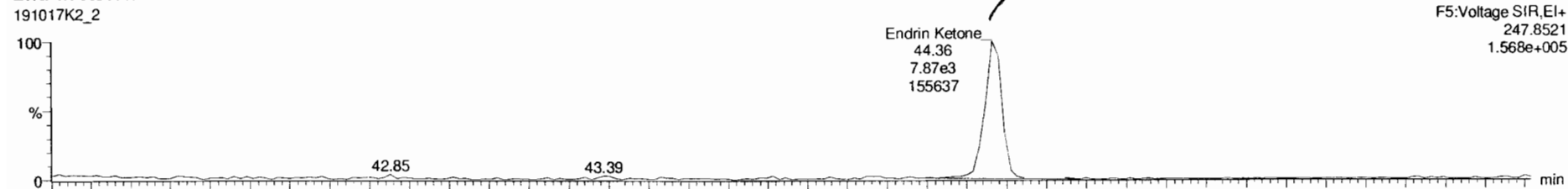
Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 17 Oct 2019 10:48:50
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

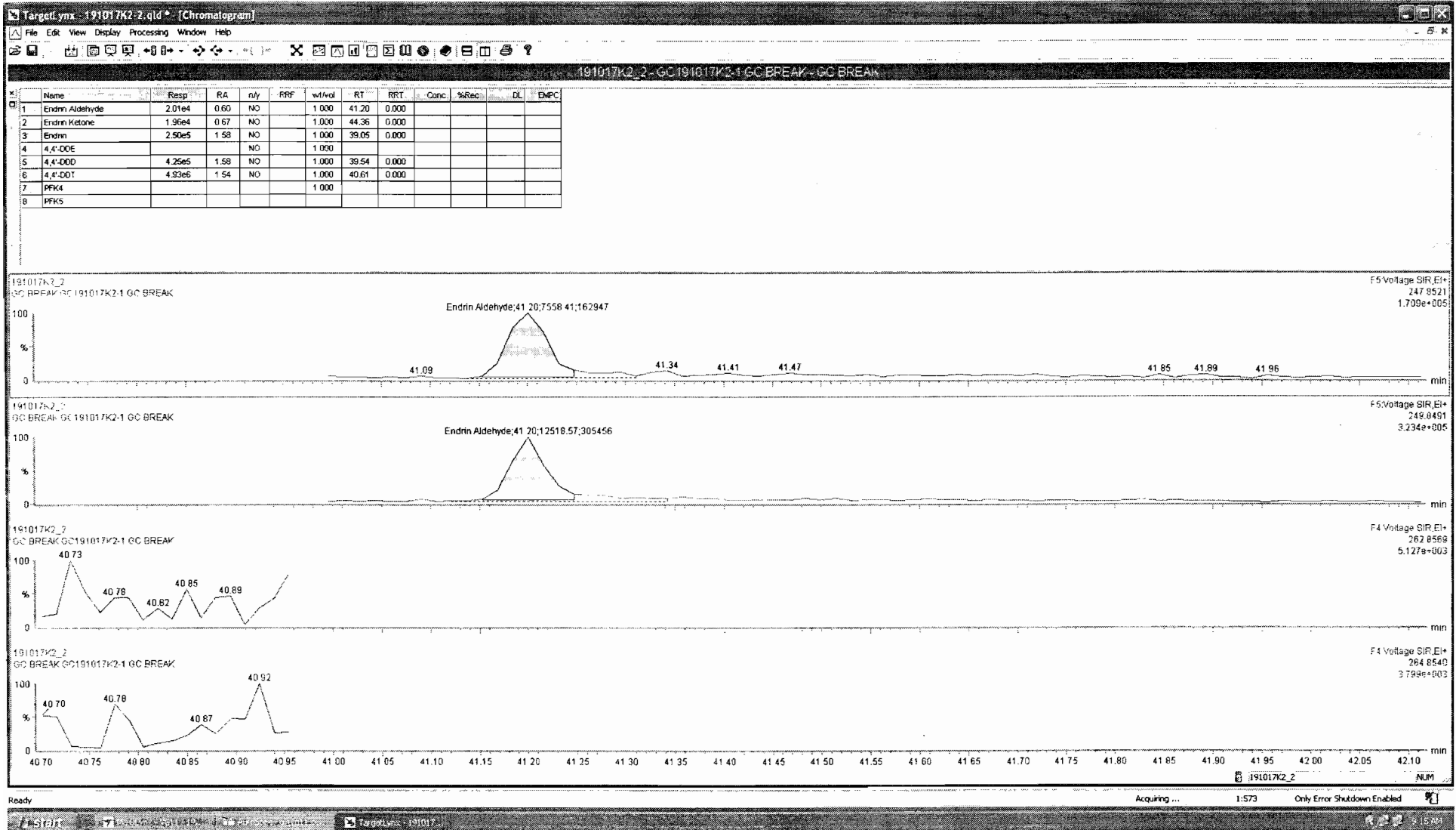
Name: 191017K2_2, Date: 17-Oct-2019, Time: 16:25:06, ID: GC191017K2-1 GC BREAK, Description: GC BREAK

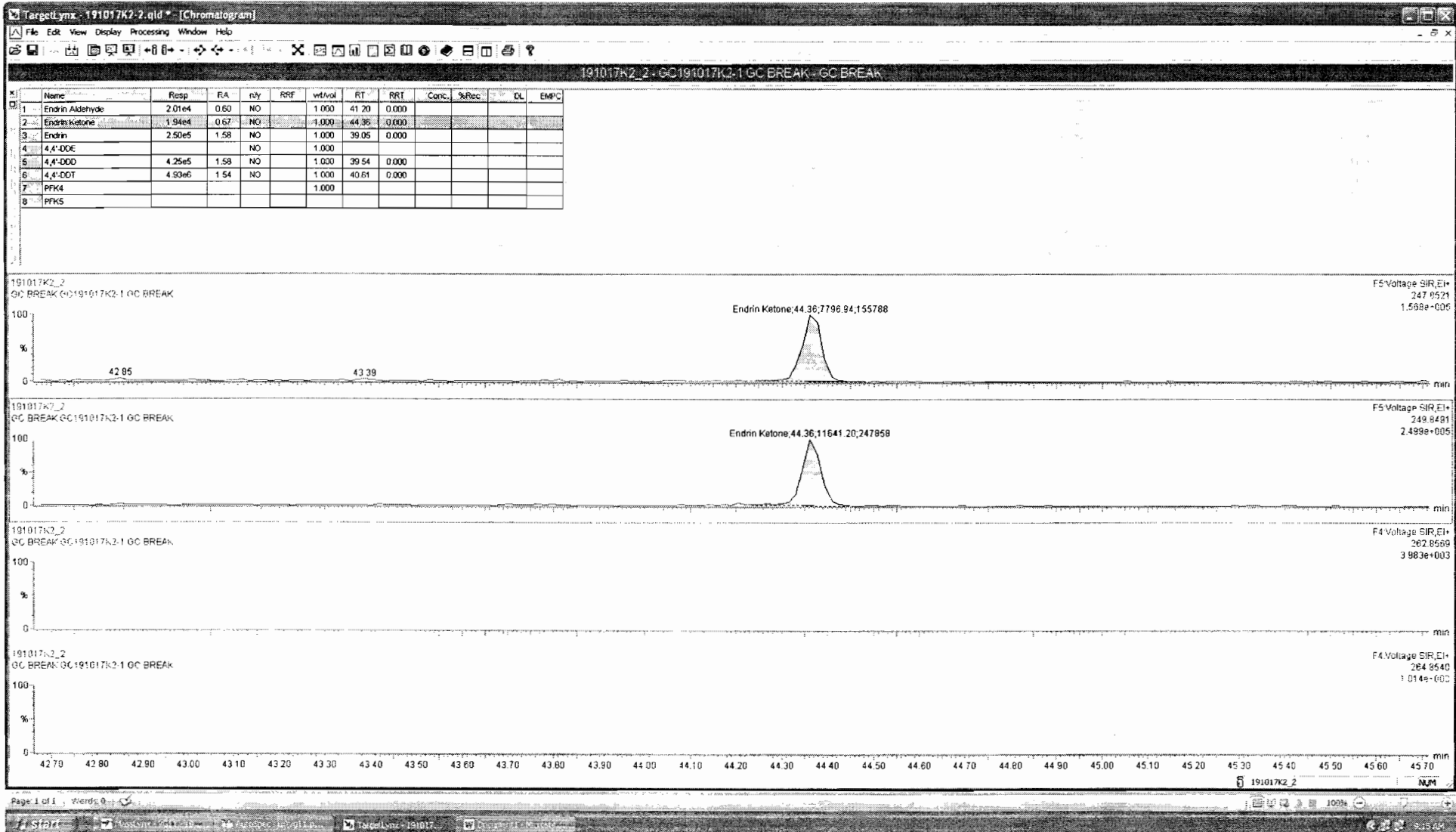
Endrin Aldehyde



Endrin Ketone



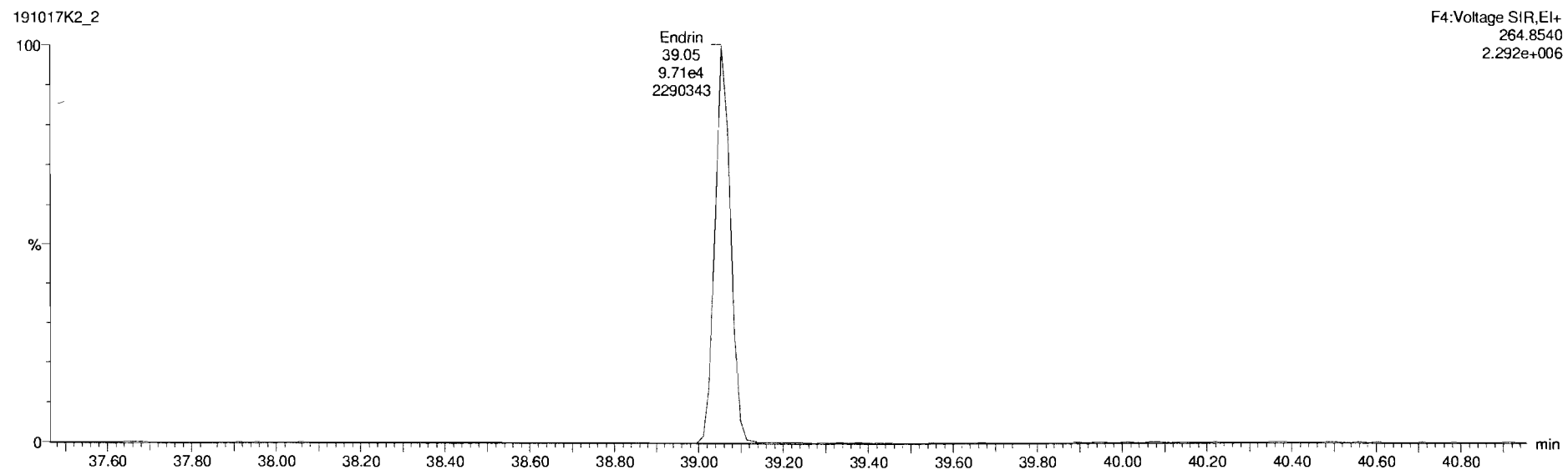
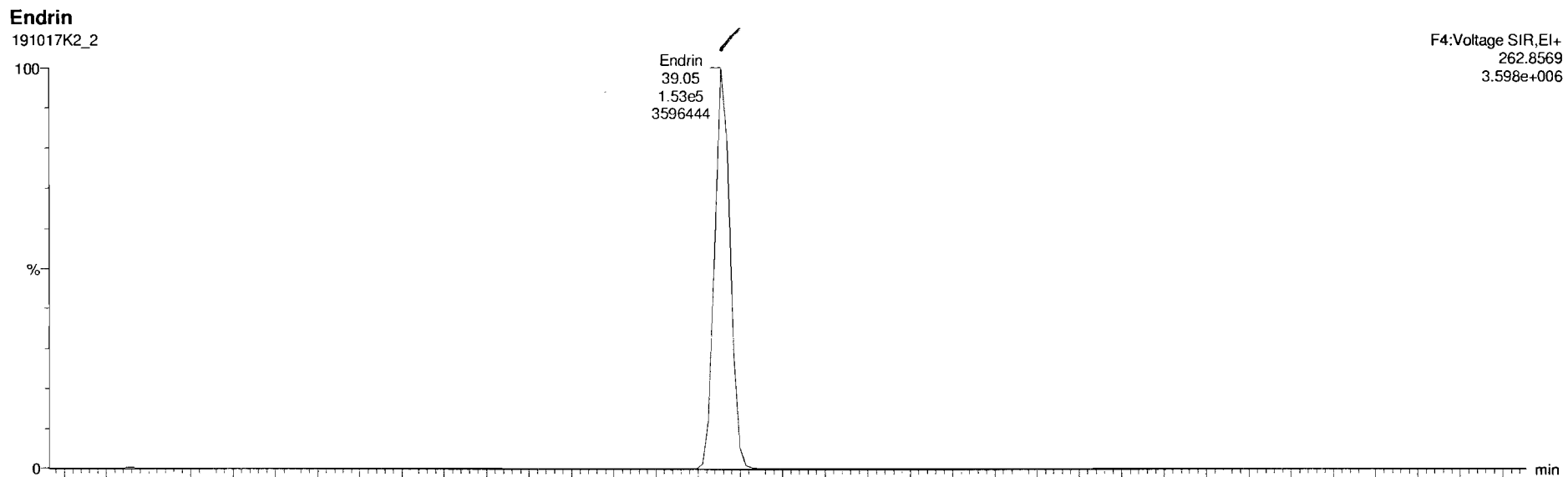




Dataset: Untitled

Last Altered: Friday, October 18, 2019 09:10:54 Pacific Daylight Time
Printed: Friday, October 18, 2019 09:11:14 Pacific Daylight Time

Name: 191017K2_2, Date: 17-Oct-2019, Time: 16:25:06, ID: GC191017K2-1 GC BREAK, Description: GC BREAK



Dataset: Untitled

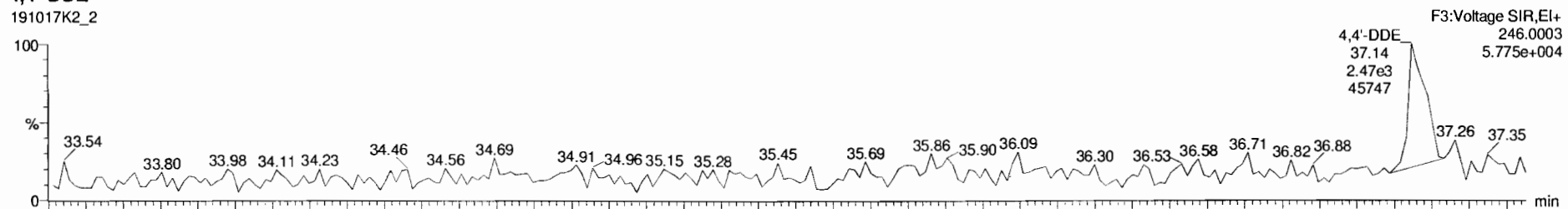
Last Altered: Friday, October 18, 2019 09:10:54 Pacific Daylight Time

Printed: Friday, October 18, 2019 09:11:14 Pacific Daylight Time

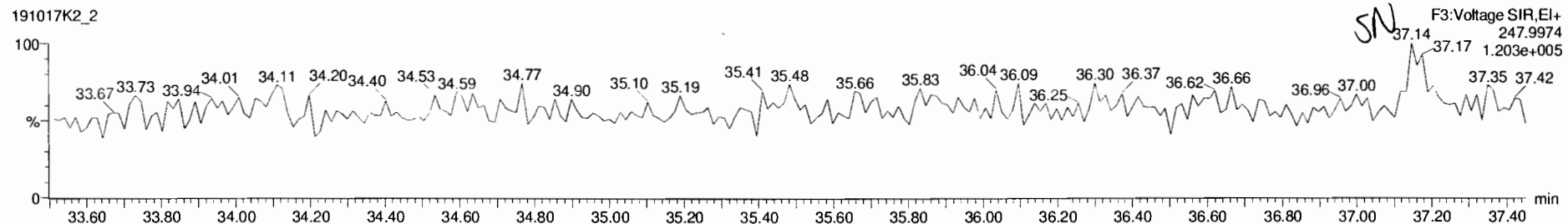
Name: 191017K2_2, Date: 17-Oct-2019, Time: 16:25:06, ID: GC191017K2-1 GC BREAK, Description: GC BREAK

4,4'-DDE

191017K2_2

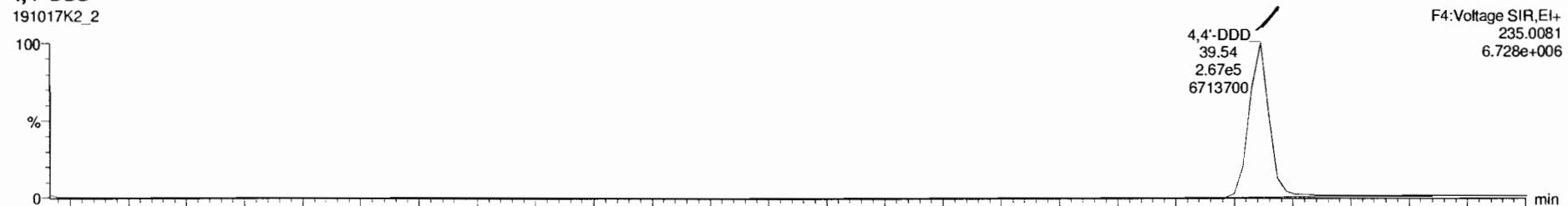


191017K2_2

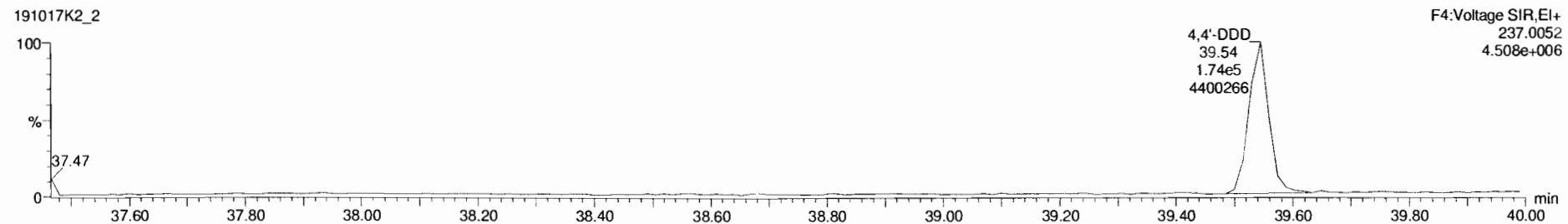


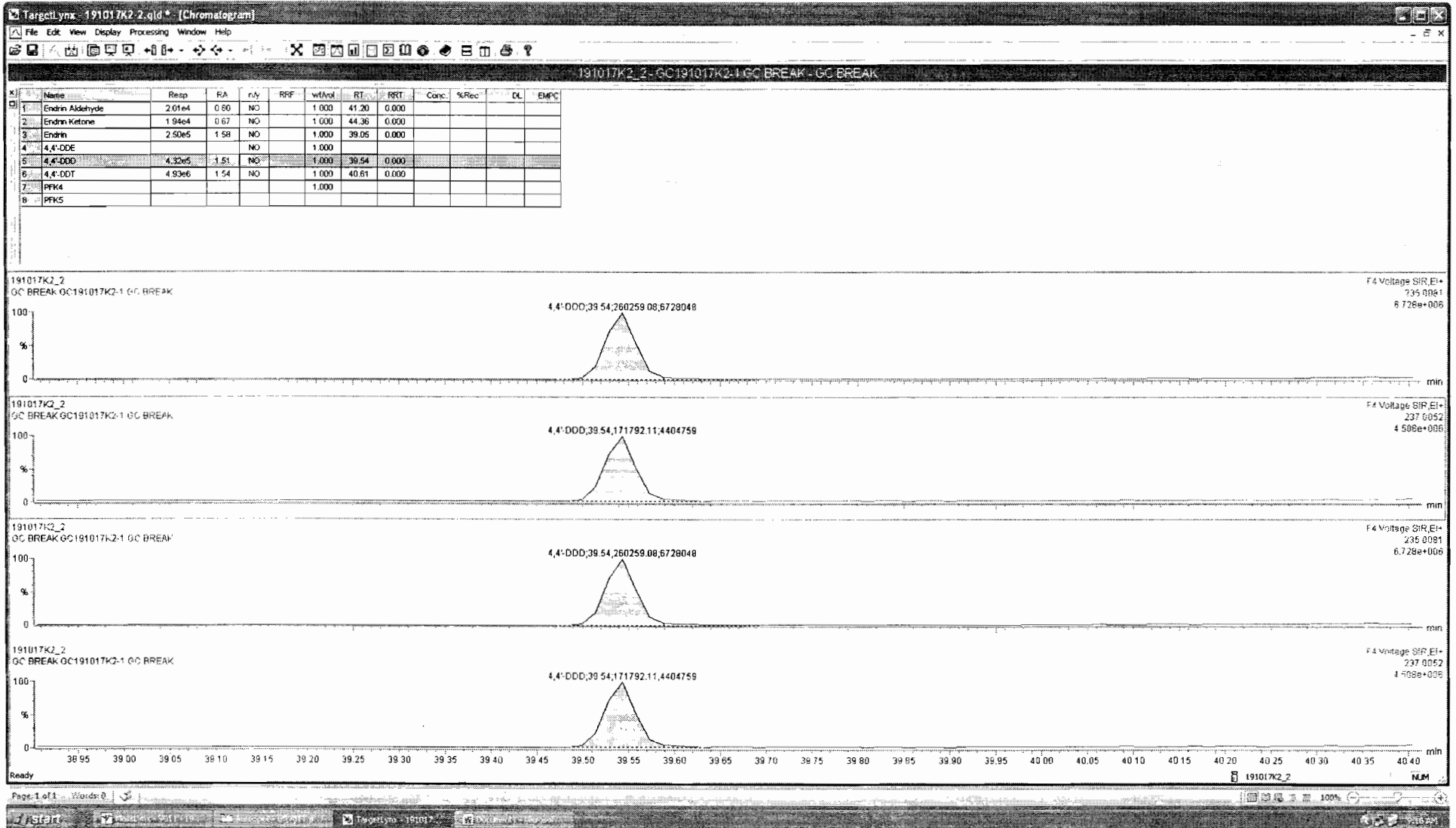
4,4'-DDD

191017K2_2



191017K2_2



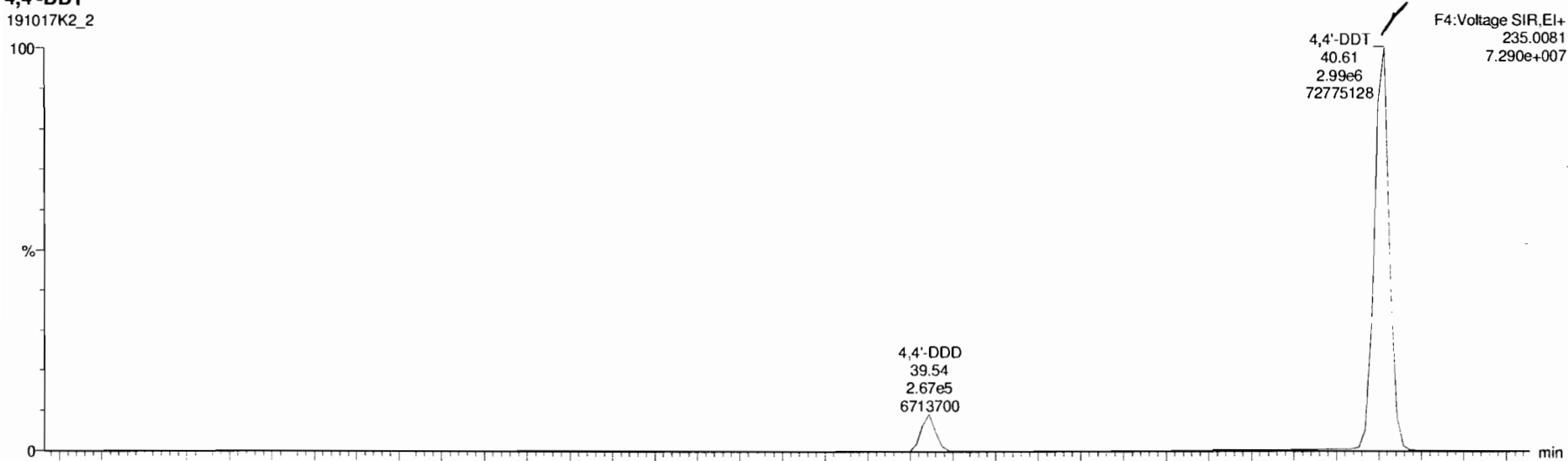


Dataset: Untitled

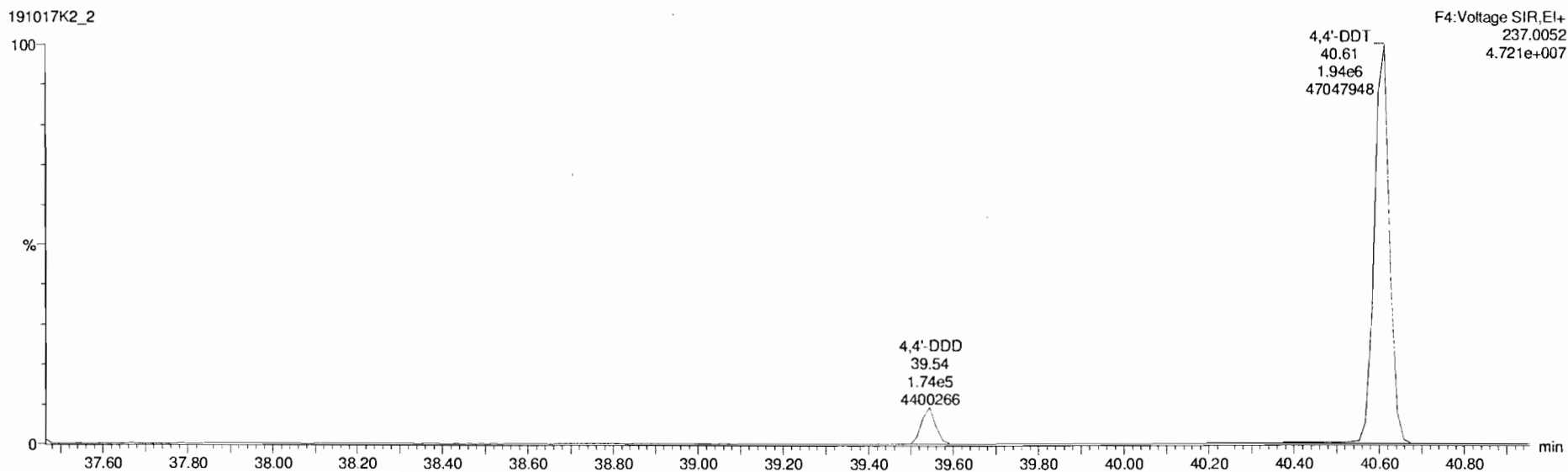
Last Altered: Friday, October 18, 2019 09:10:54 Pacific Daylight Time
Printed: Friday, October 18, 2019 09:11:14 Pacific Daylight Time

Name: 191017K2_2, Date: 17-Oct-2019, Time: 16:25:06, ID: GC191017K2-1 GC BREAK, Description: GC BREAK

4,4'-DDT
191017K2_2



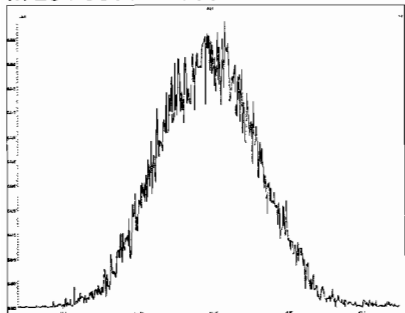
191017K2_2



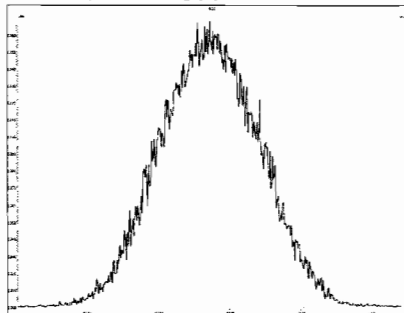
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, October 17, 2019 15:32:09 Pacific Daylight Time

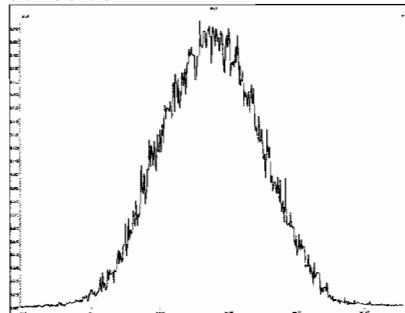
M 254.9856 R 9057



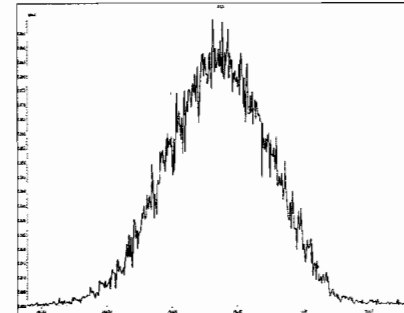
M 268.9824 R 8504



M 280.9824 R 8561



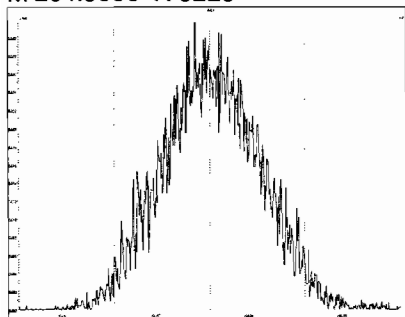
M 292.9824 R 8280



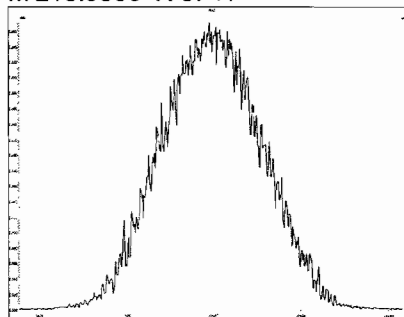
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, October 17, 2019 15:33:55 Pacific Daylight Time

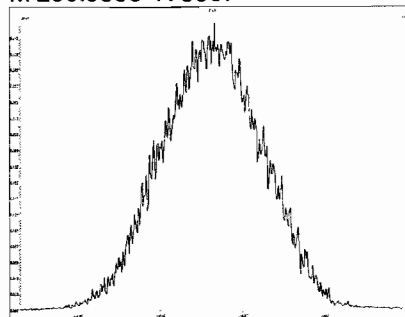
M 204.9888 R 9223



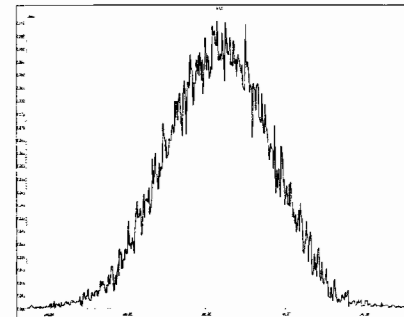
M 218.9856 R 8741



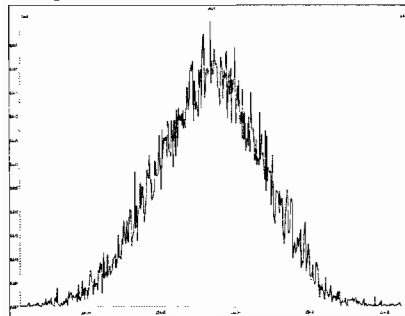
M 230.9856 R 8387



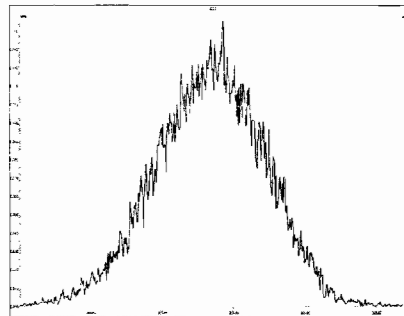
M 242.9856 R 8359



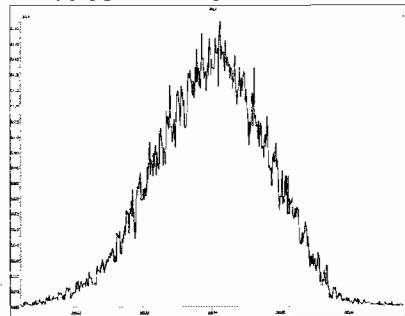
M 254.9856 R 8802



M 268.9824 R 8010



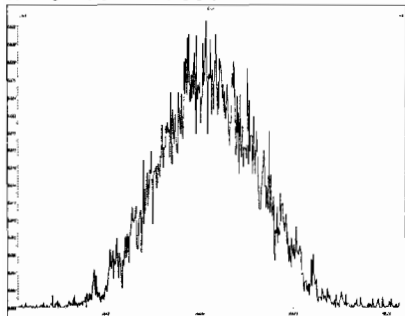
M 280.9824 R 7437



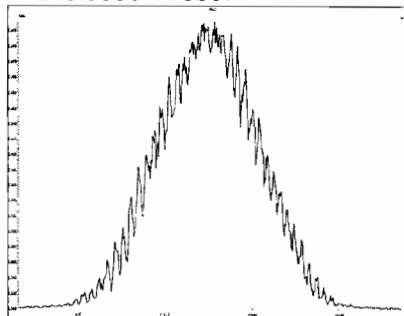
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, October 17, 2019 15:34:52 Pacific Daylight Time

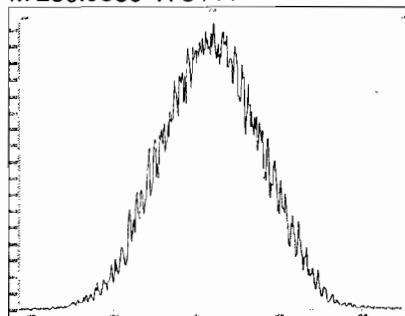
M 204.9888 R 8991



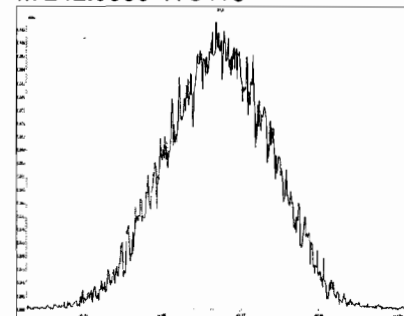
M 218.9856 R 8897



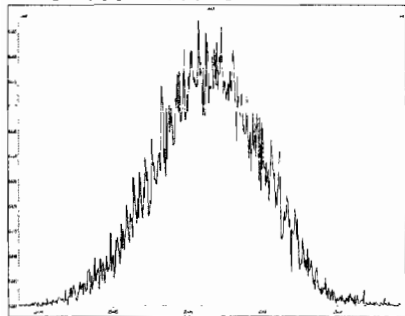
M 230.9856 R 8444



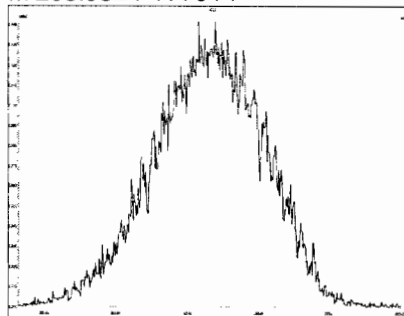
M 242.9856 R 8416



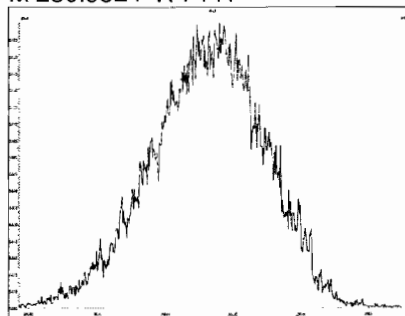
M 254.9856 R 7715



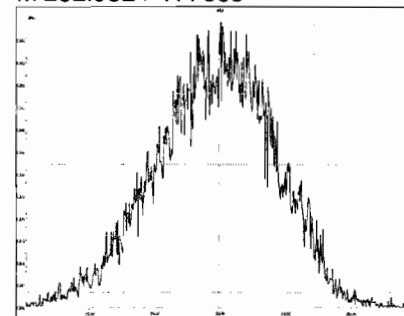
M 268.9824 R 7914



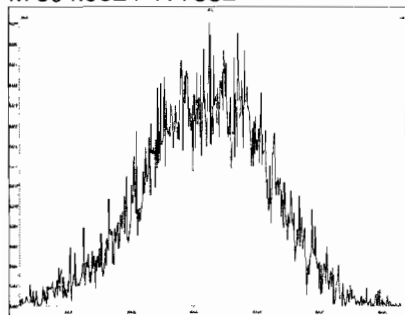
M 280.9824 R 7441



M 292.9824 R 7395



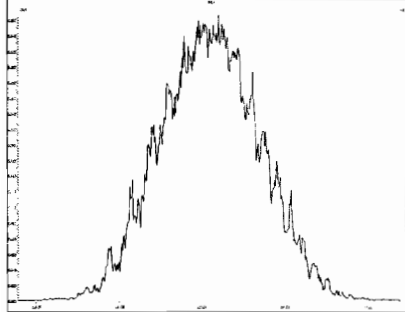
M 304.9824 R 7332



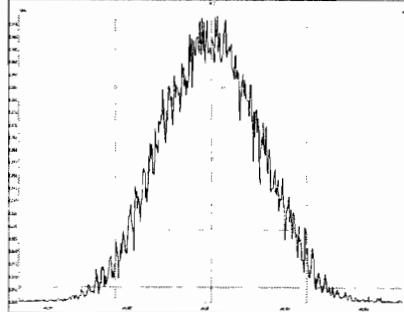
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, October 17, 2019 15:36:22 Pacific Daylight Time

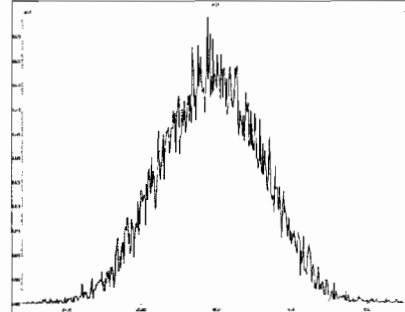
M 230.9856 R 8620



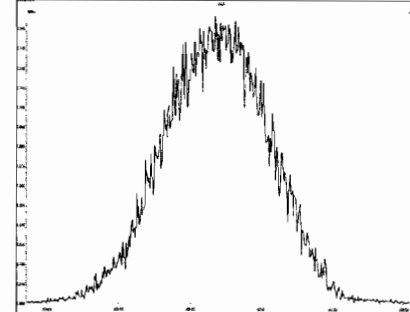
M 242.9856 R 8621



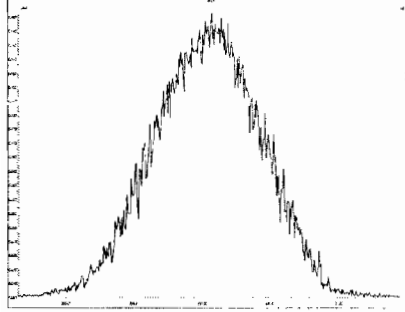
M 254.9856 R 8331



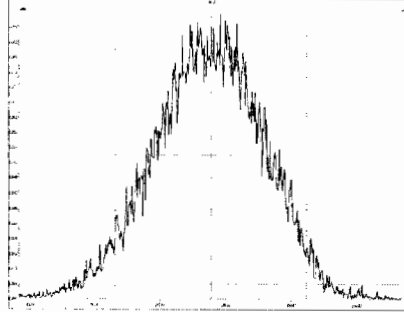
M 268.9824 R 8333



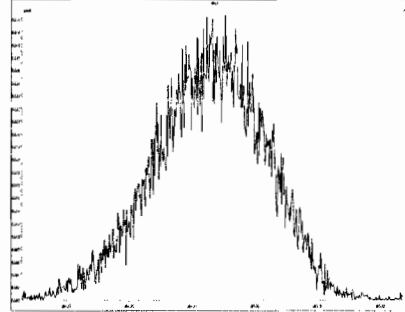
M 280.9824 R 8141



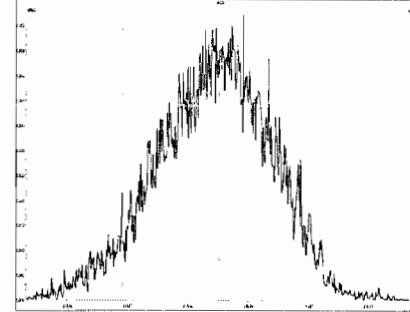
M 292.9824 R 7987



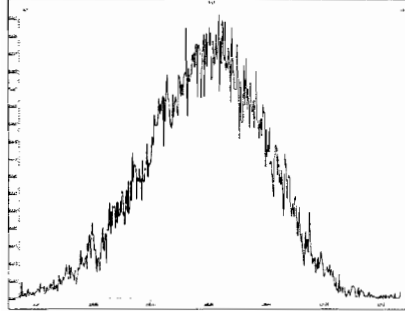
M 304.9824 R 8304



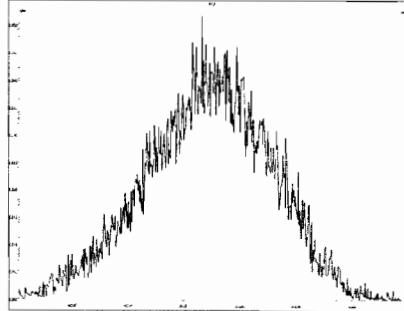
M 318.9792 R 7789



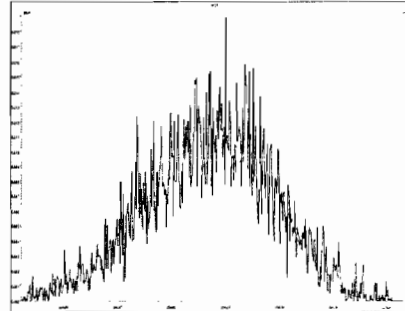
M 330.9792 R 7003



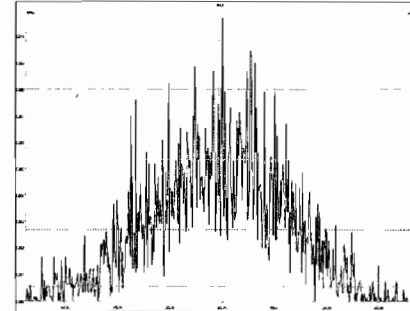
M 342.9792 R 6962



M 354.9792 R 7508



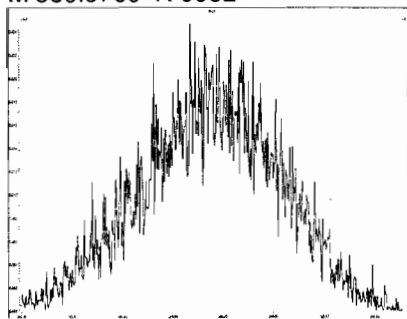
M 366.9792 R 9433



File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, October 17, 2019 15:36:22 Pacific Daylight Time

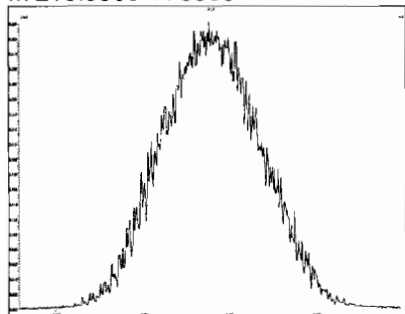
M 380.9760 R 6632



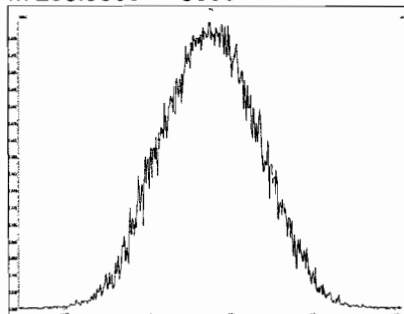
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, October 17, 2019 15:37:44 Pacific Daylight Time

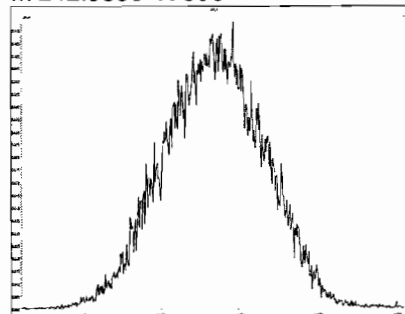
M 218.9856 R 8360



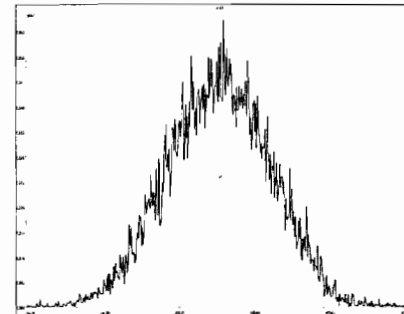
M 230.9856 R 8680



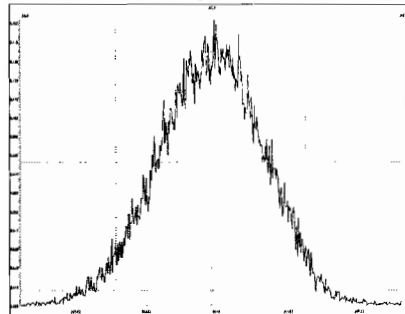
M 242.9856 R 8504



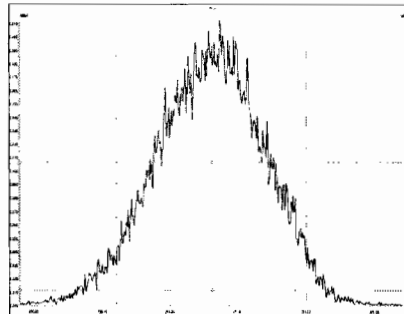
M 254.9856 R 8502



M 268.9824 R 7961



M 280.9824 R 7884



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

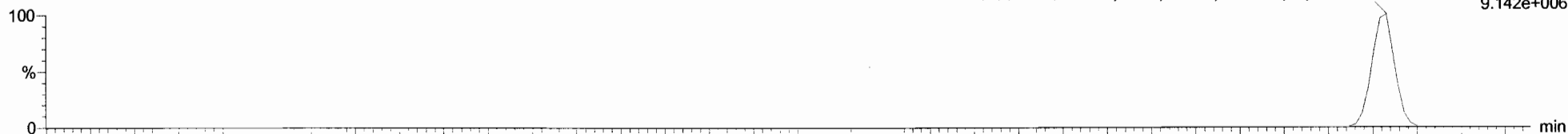
Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

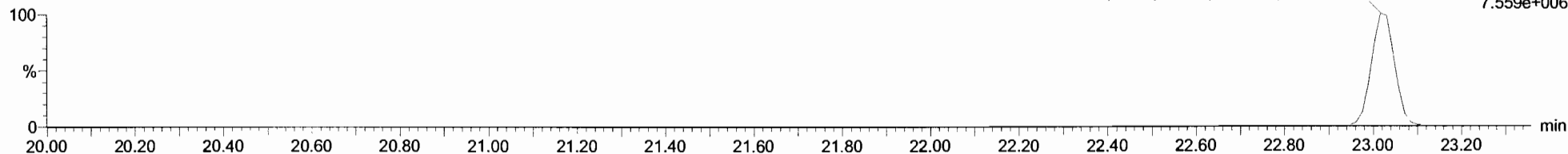
Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Hexachlorobenzene

191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

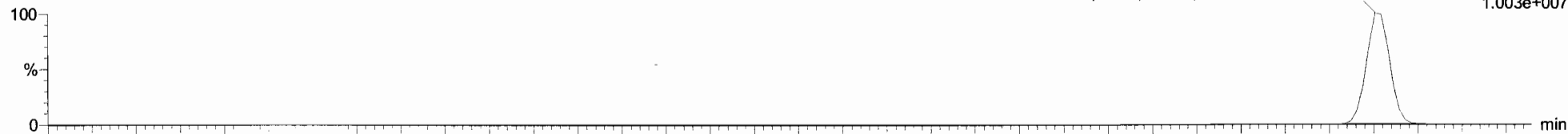


191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

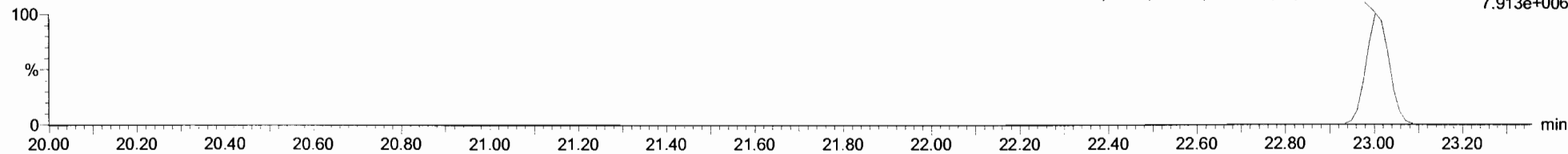


13C6-Hexachlorobenzene

191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204



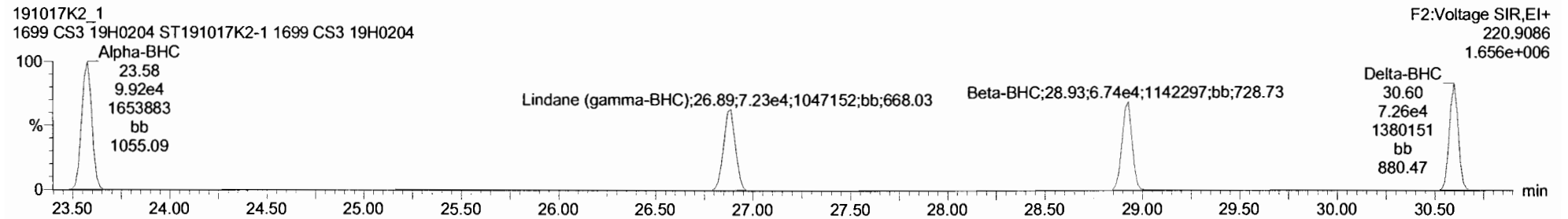
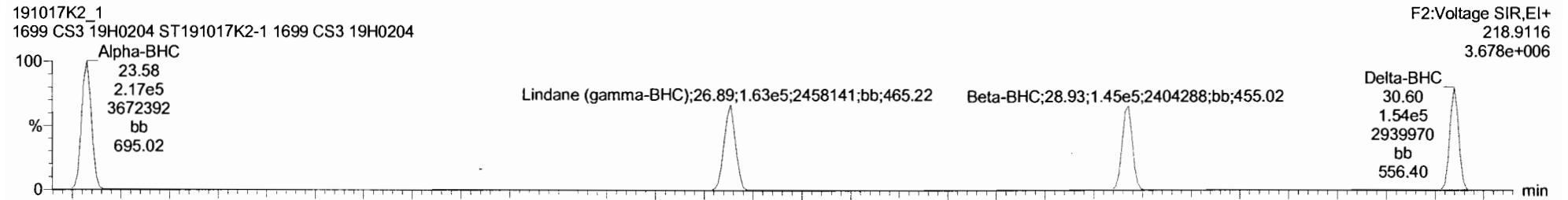
Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

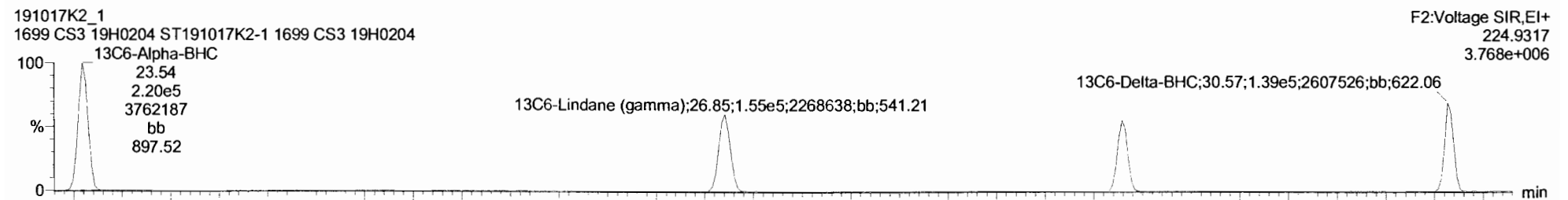
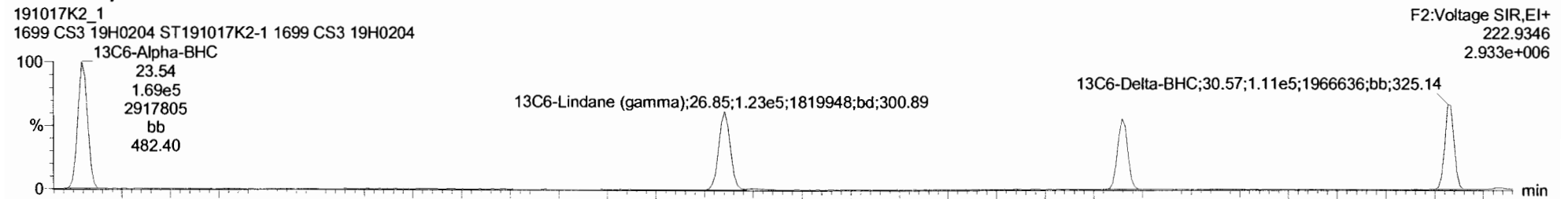
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

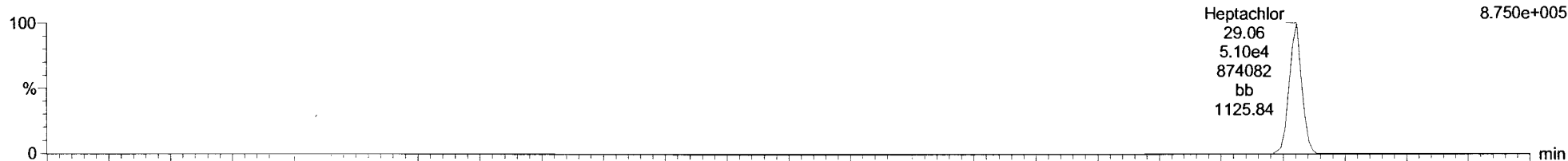
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Heptachlor

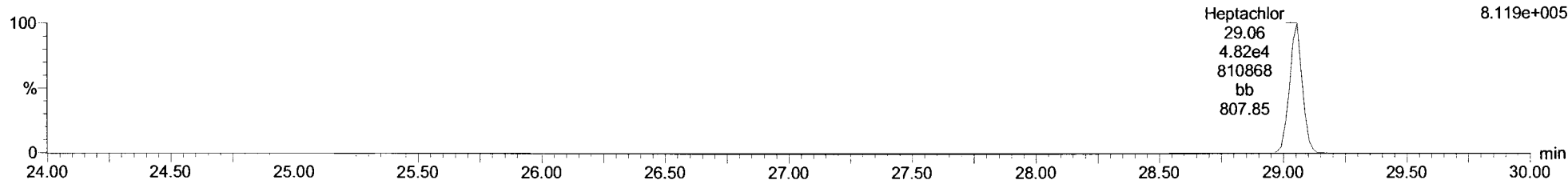
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
271.8102
8.750e+005



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

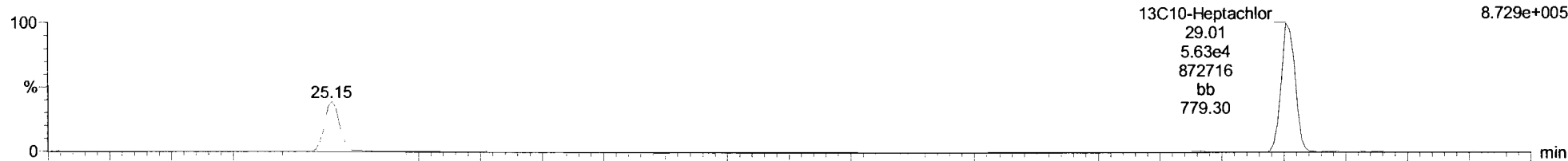
F2:Voltage SIR,EI+
273.8072
8.119e+005



13C10-Heptachlor

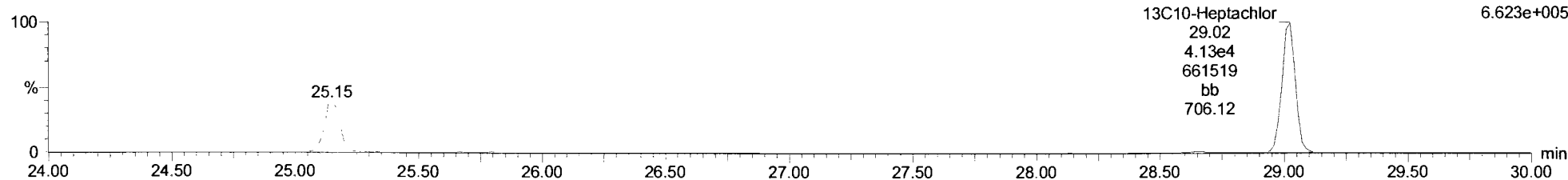
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
276.8269
8.729e+005



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
278.8240
6.623e+005



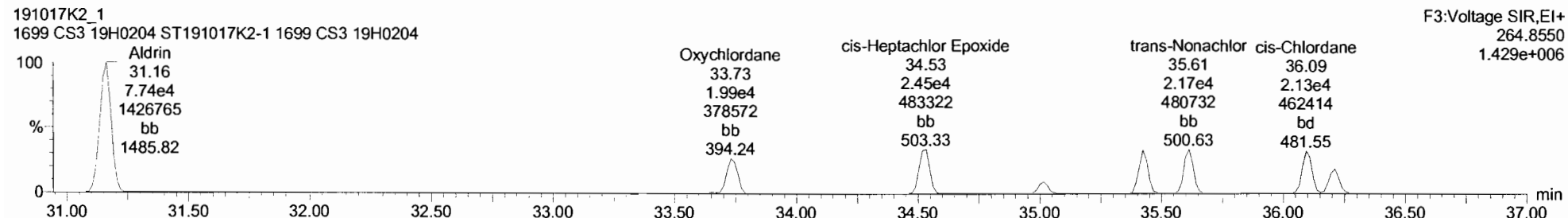
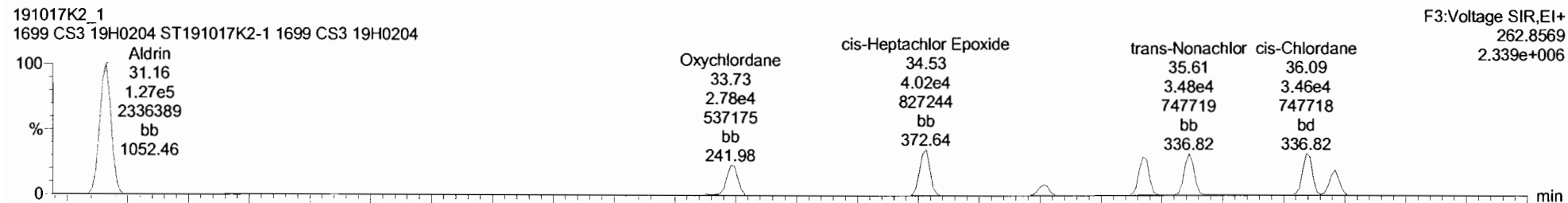
Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

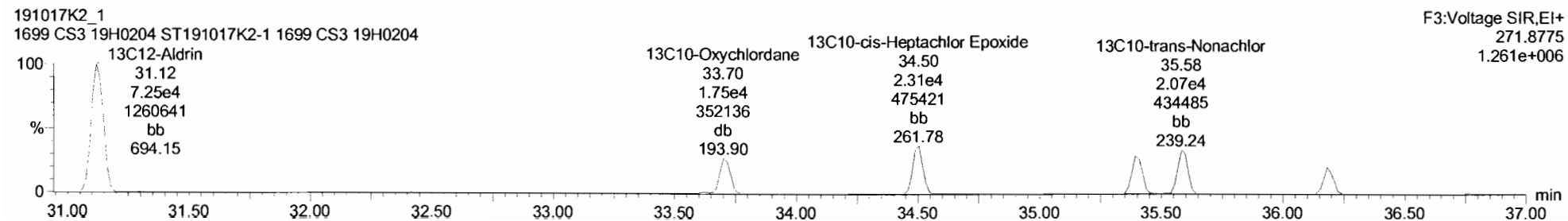
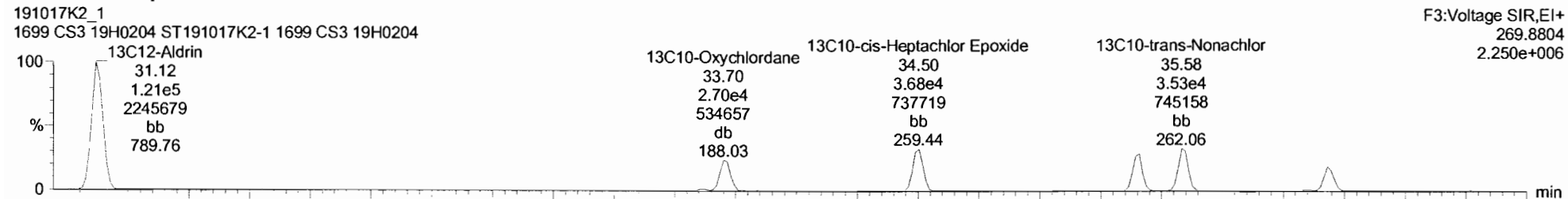
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Aldrin-EI



Aldrin-EI-isotopes



Dataset: Untitled

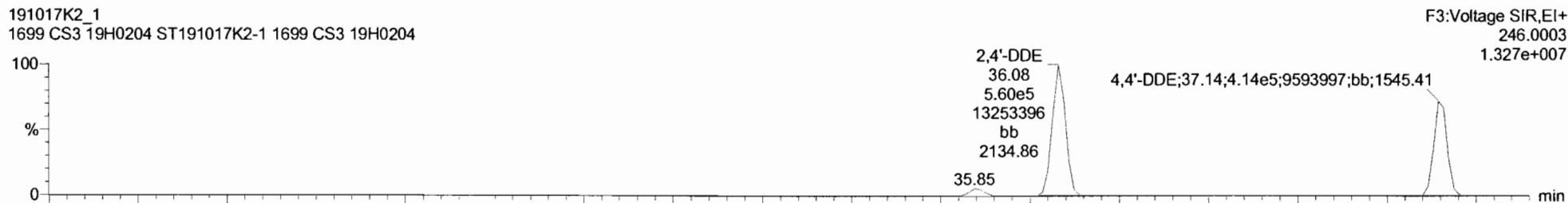
Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

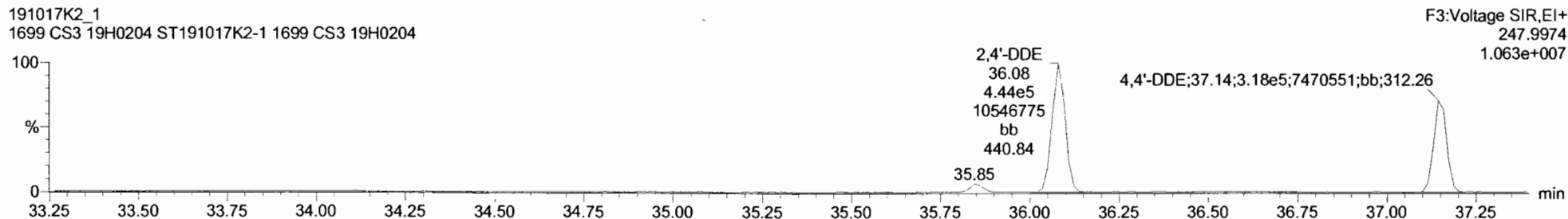
Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDMU-DDE

191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

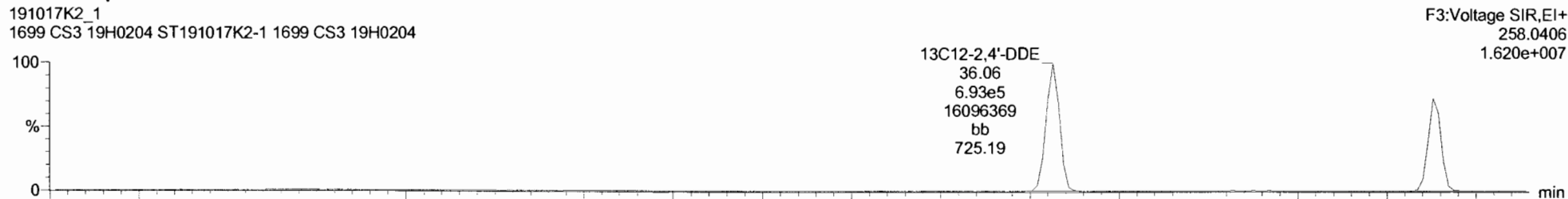


191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

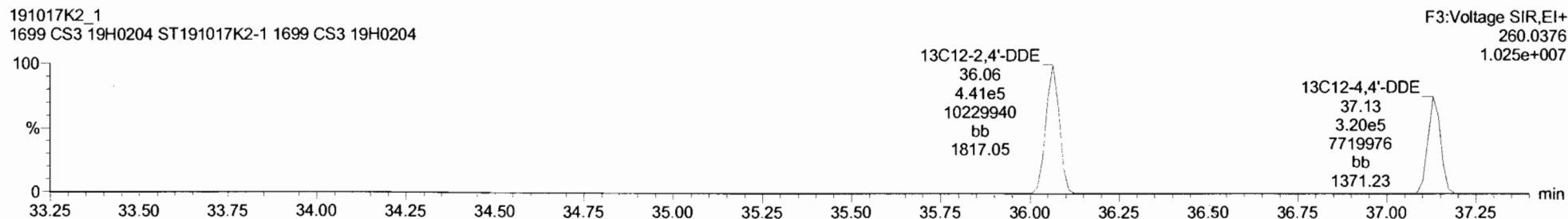


DDE-isotopes

191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

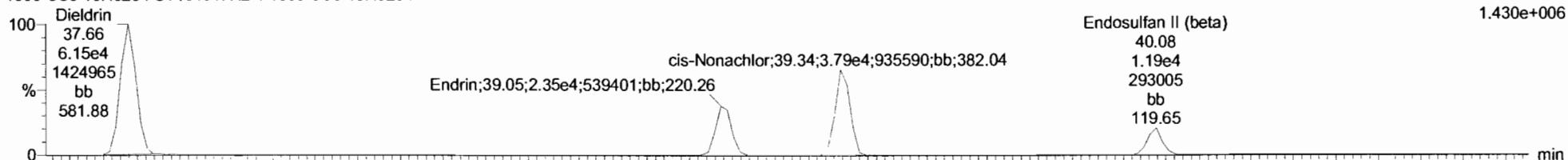
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Dieldrin-EII

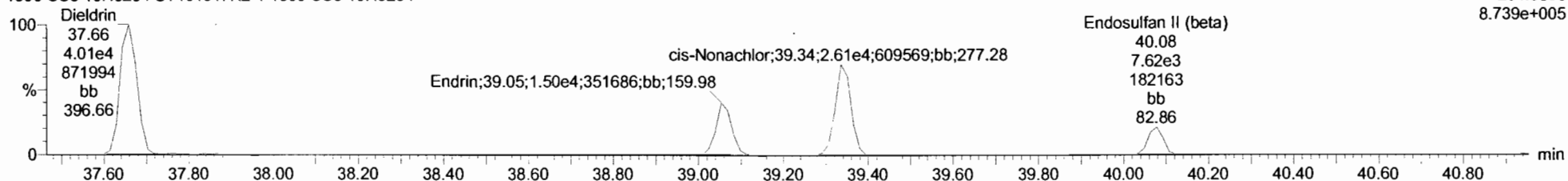
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
262.8569
1.430e+006



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

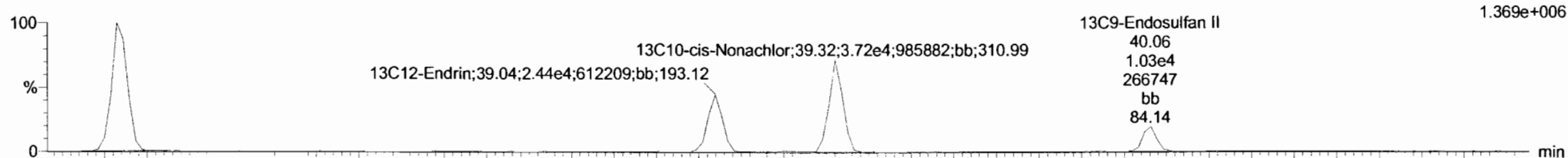
F4:Voltage SIR,EI+
264.8550
8.739e+005



Dieldrin-EII-isotopes

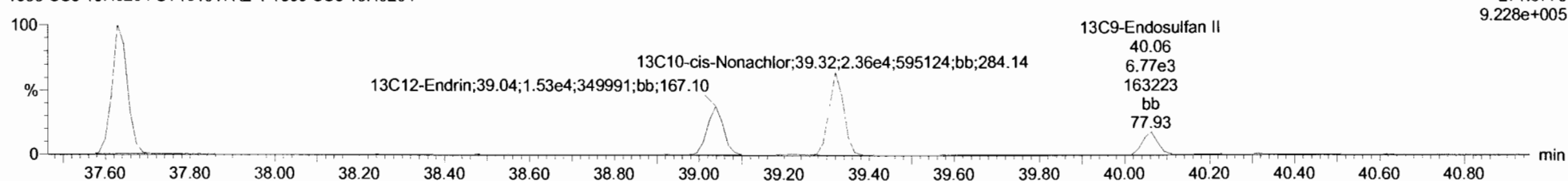
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
269.8804
1.369e+006



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
271.8775
9.228e+005



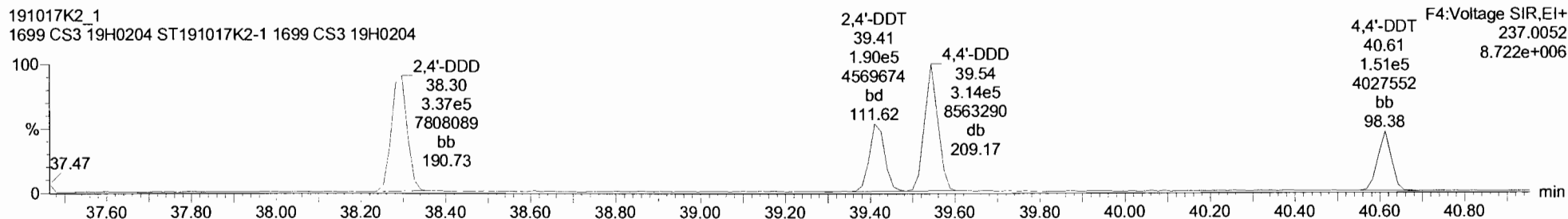
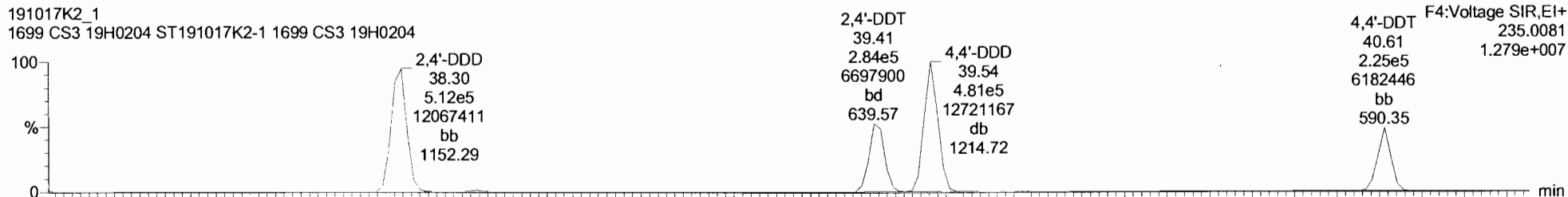
Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

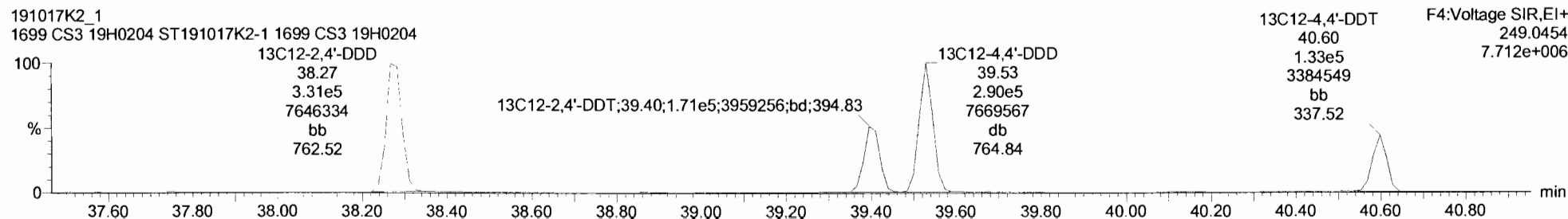
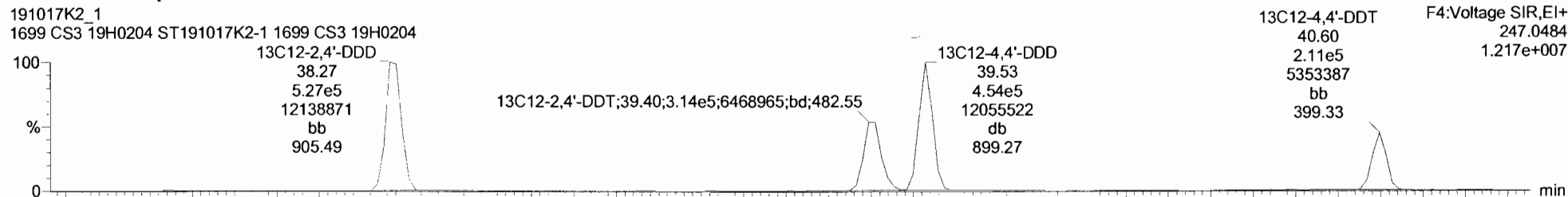
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

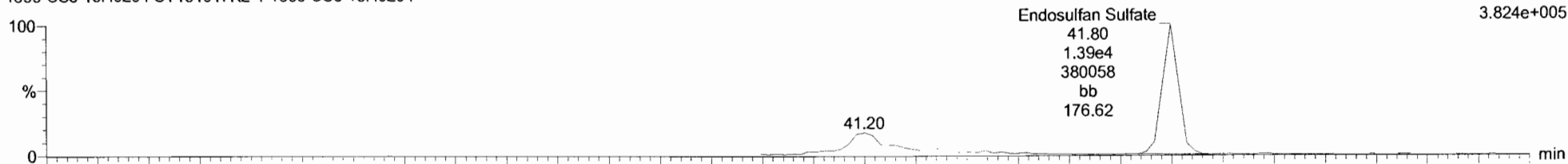
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Endosulfan Sulfate

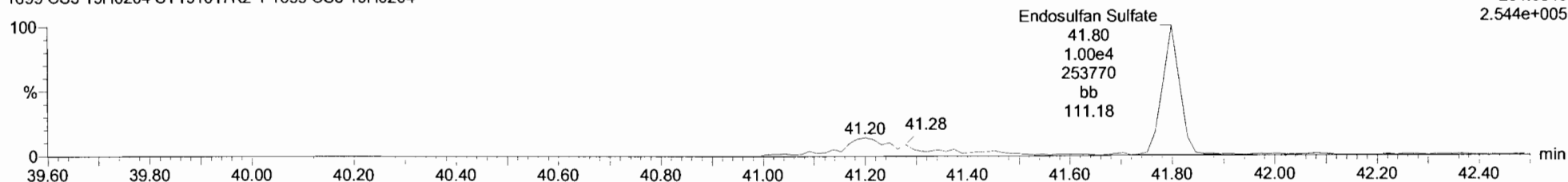
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
262.8569
3.824e+005



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

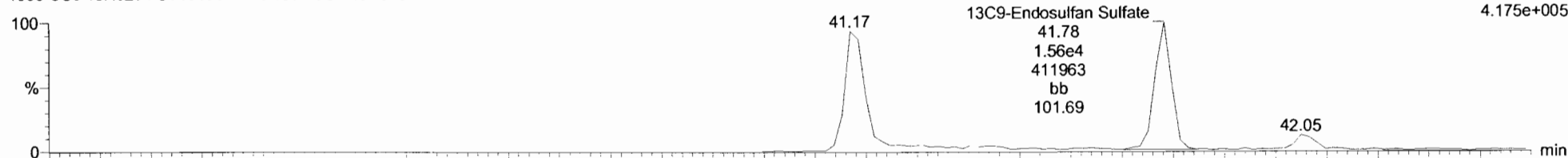
F5:Voltage SIR,EI+
264.8540
2.544e+005



13C9-Endosulfan Sulfate

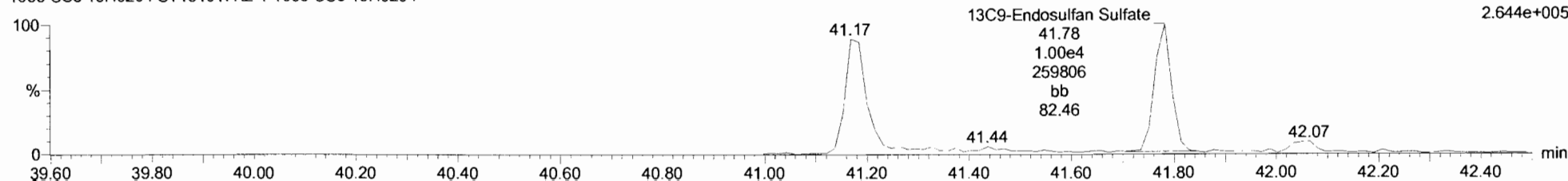
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
269.8804
4.175e+005



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
271.8775
2.644e+005



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

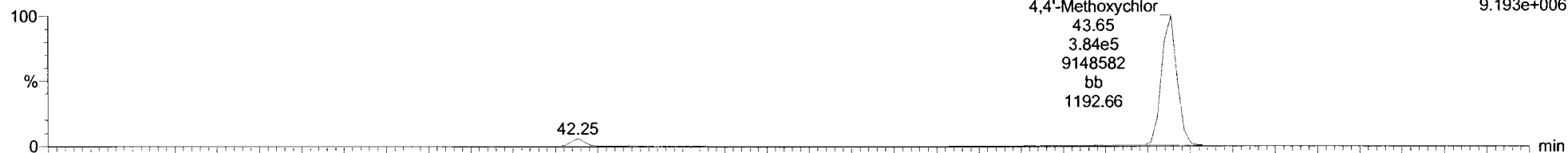
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

4,4'-Methoxychlor

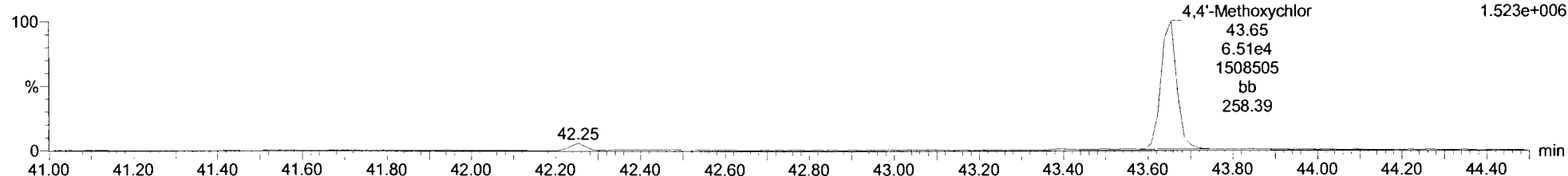
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
227.1072
9.193e+006



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

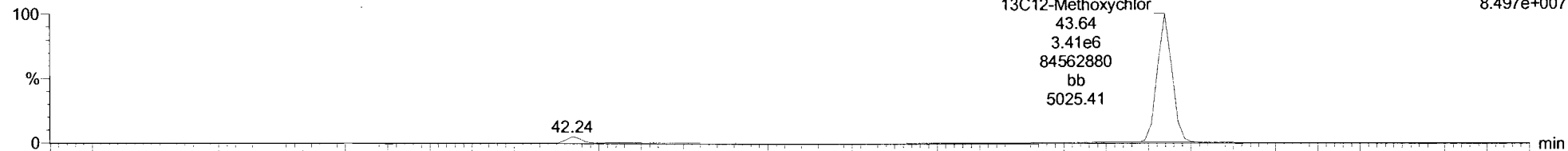
F5:Voltage SIR,EI+
228.1106
1.523e+006



13C12-Methoxychlor

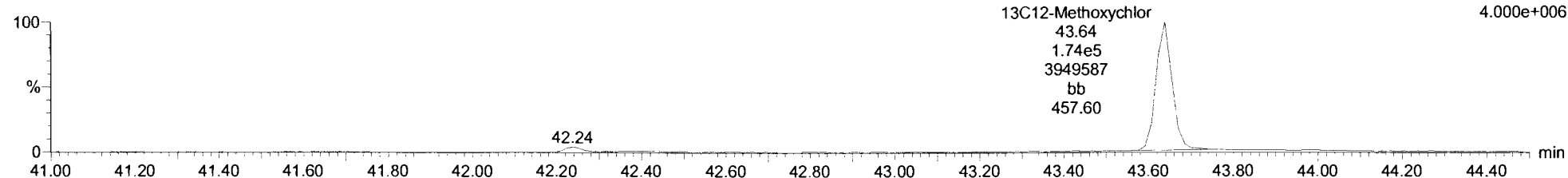
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
239.1475
8.497e+007



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
240.1508
4.000e+006



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

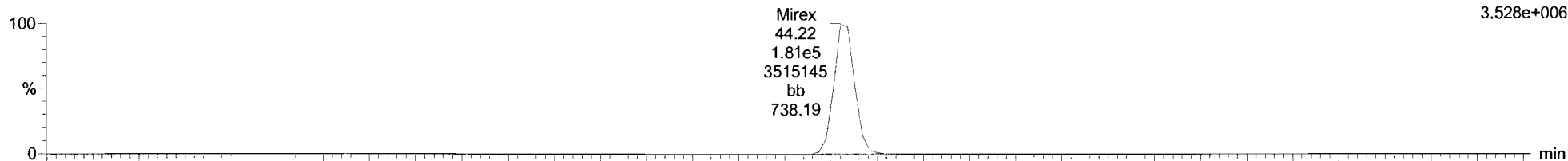
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Mirex

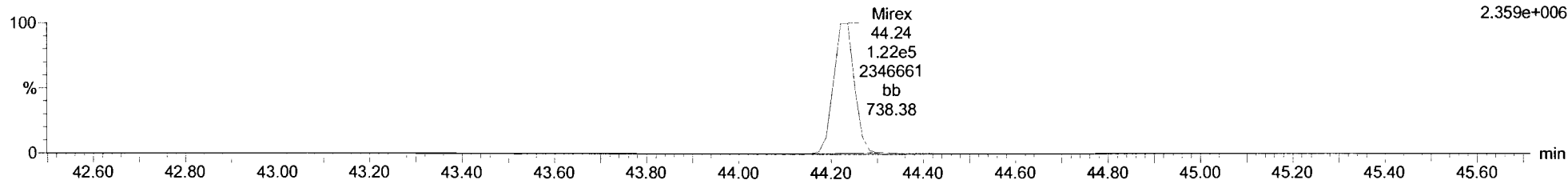
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
236.8413
3.528e+006



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

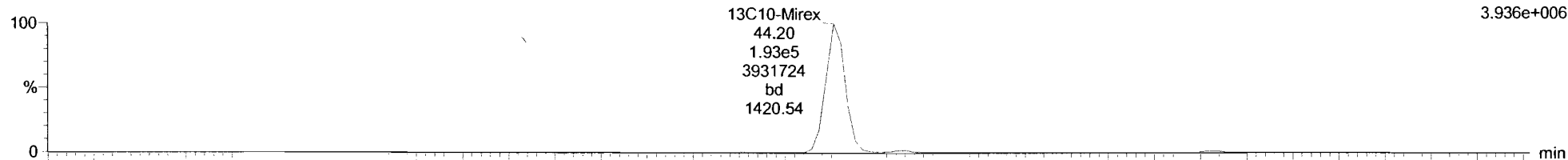
F5:Voltage SIR,EI+
238.8384
2.359e+006



13C10-Mirex

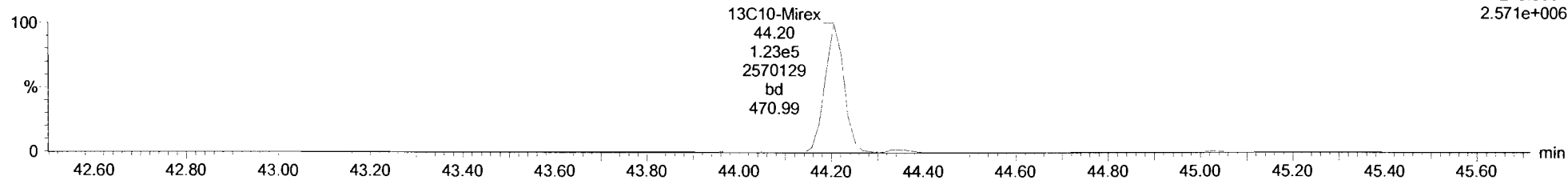
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
241.8581
3.936e+006



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
243.8551
2.571e+006



Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

EA-EK

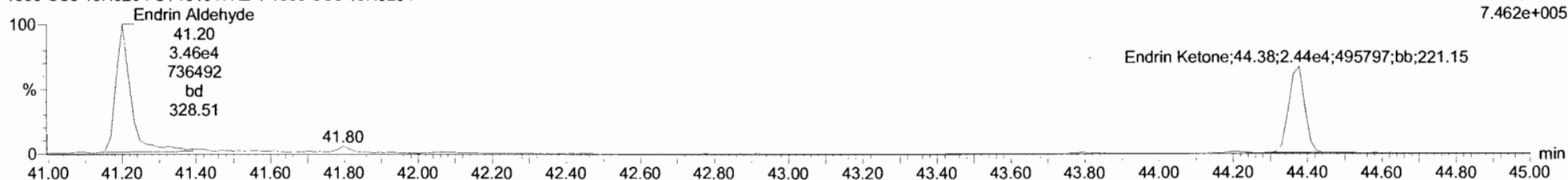
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
247.8521
4.556e+005



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

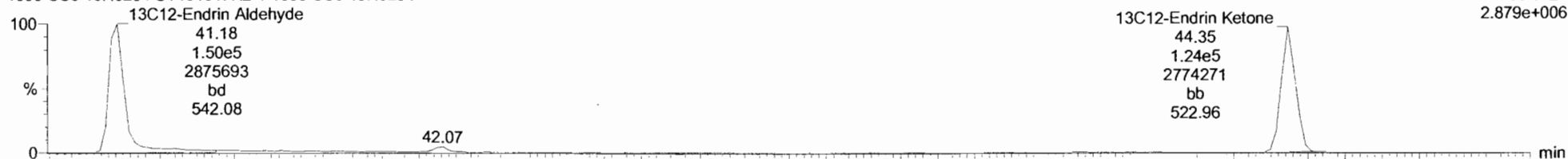
F5:Voltage SIR,EI+
249.8491
7.462e+005



EA-EK-isotopes

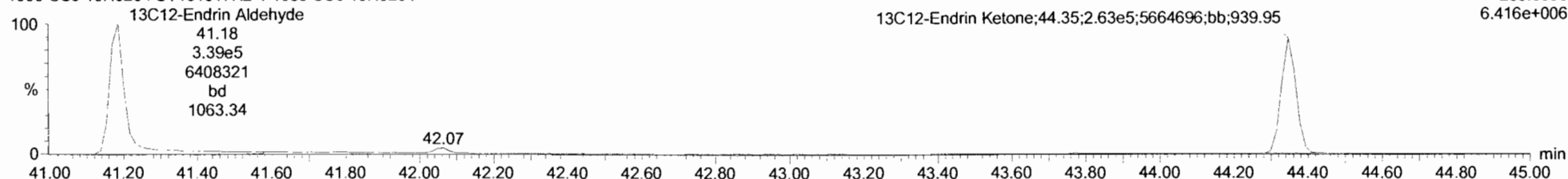
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

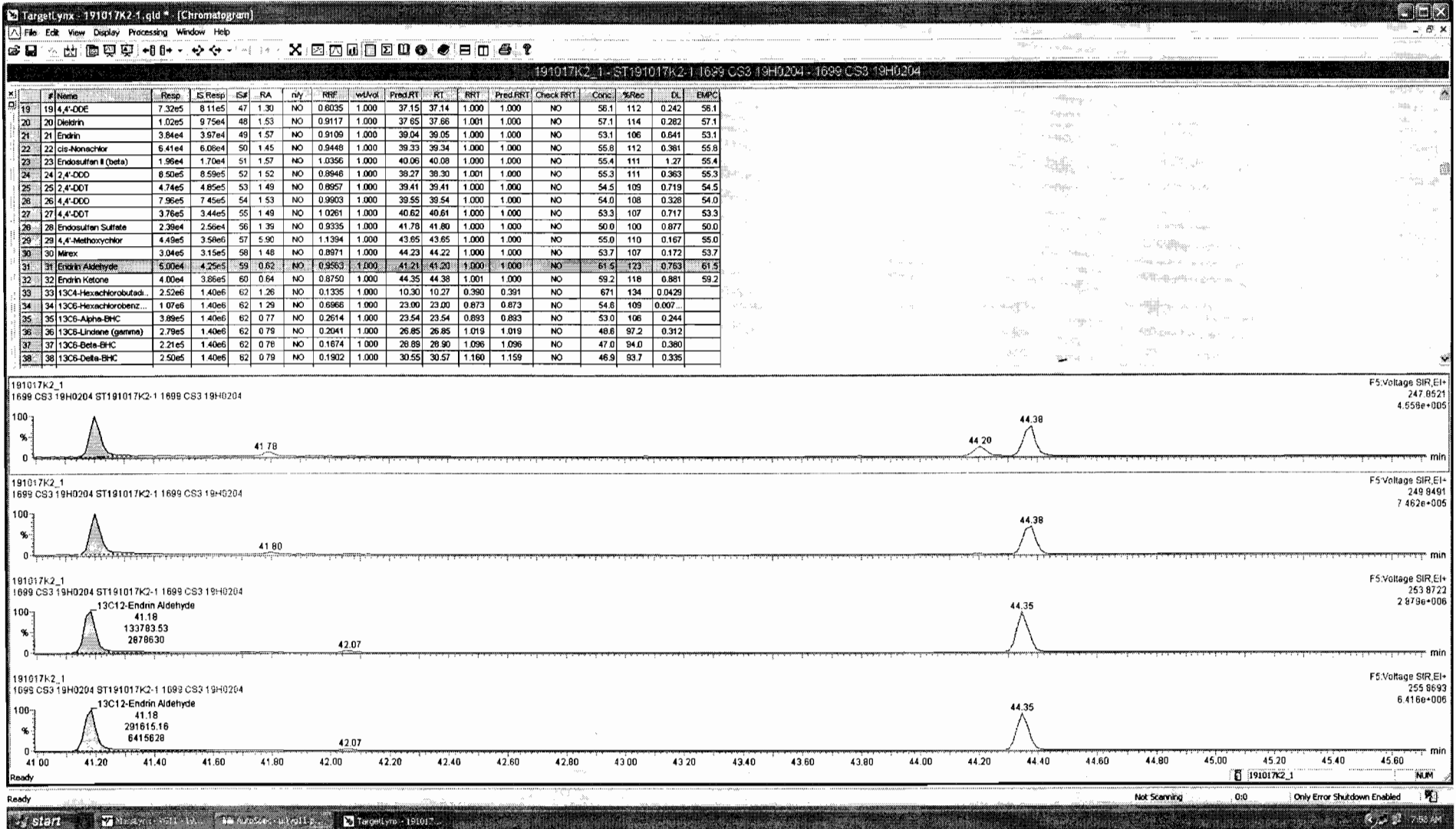
F5:Voltage SIR,EI+
253.8722
2.879e+006



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
255.8693
6.416e+006





Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

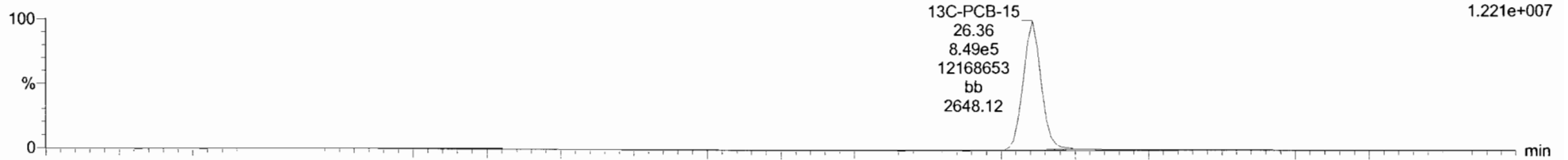
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-15

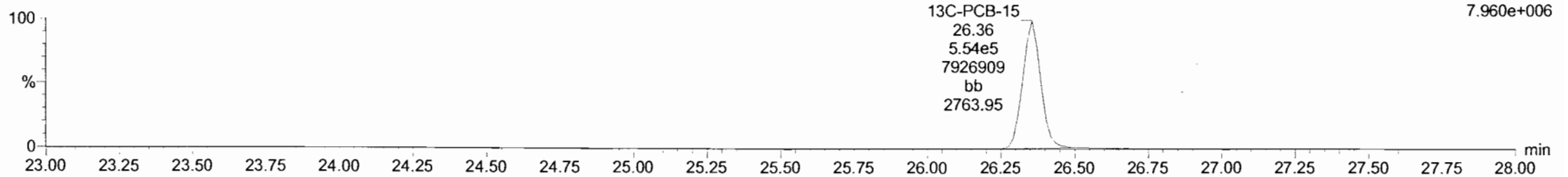
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
234.0406
1.221e+007



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

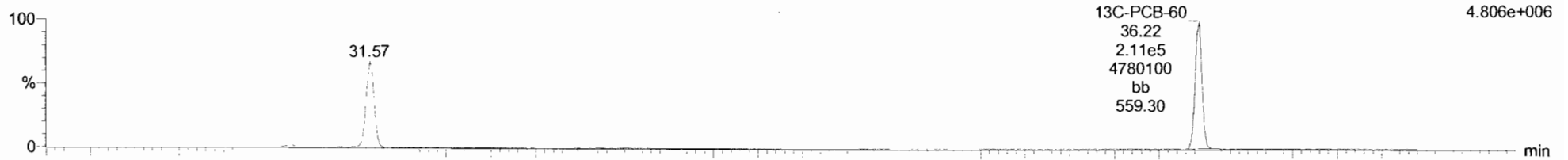
F2:Voltage SIR,EI+
236.0376
7.960e+006



13C-PCB-60

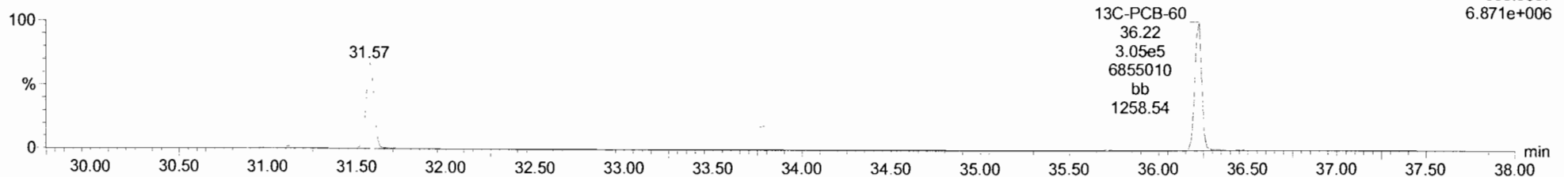
191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
301.9626
4.806e+006



191017K2_1
1699 CS3 19H0204 ST191017K2-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
303.9597
6.871e+006



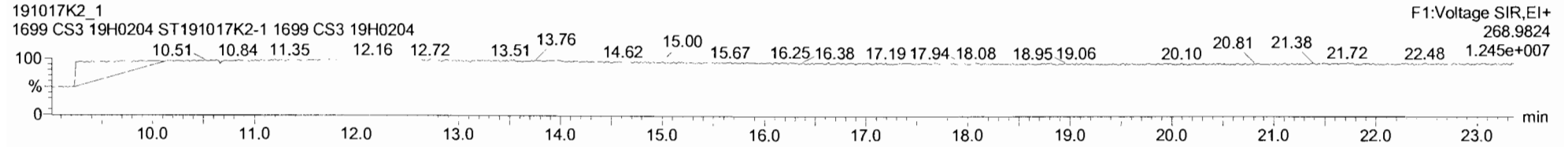
Dataset: Untitled

Last Altered: Friday, October 18, 2019 08:02:11 Pacific Daylight Time

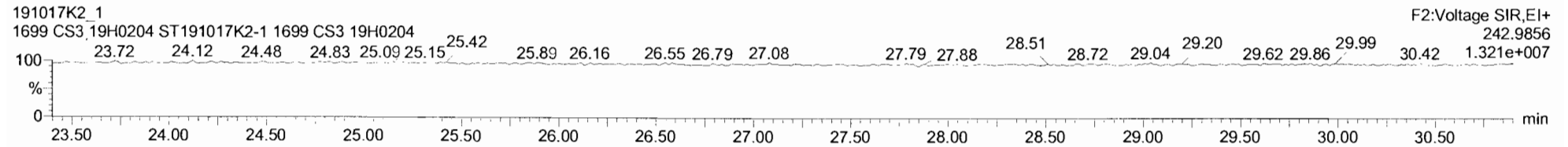
Printed: Friday, October 18, 2019 08:05:27 Pacific Daylight Time

Name: 191017K2_1, Date: 17-Oct-2019, Time: 15:38:20, ID: ST191017K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

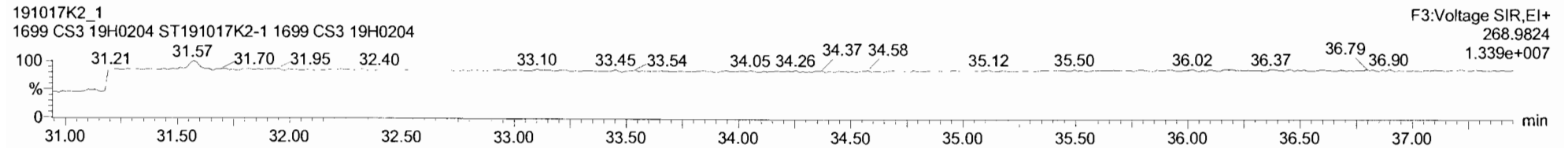
PFK1



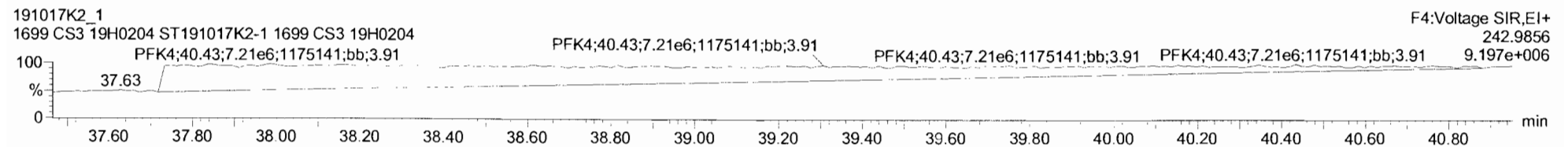
PFK2



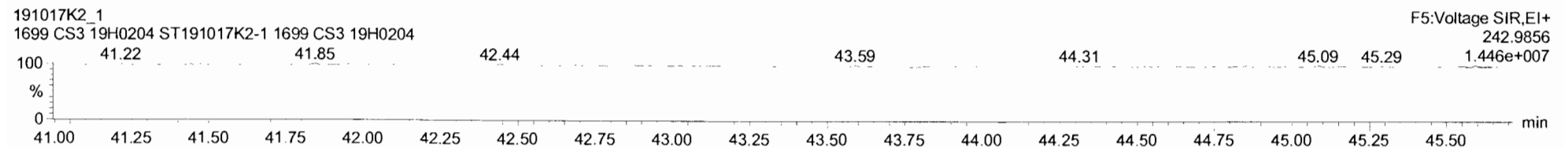
PFK3



PFK4

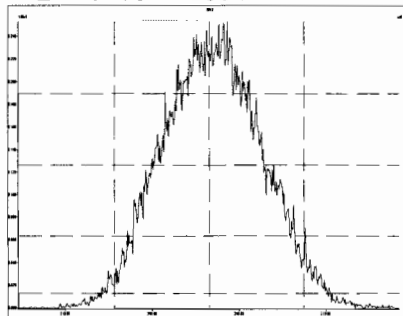


PFK5

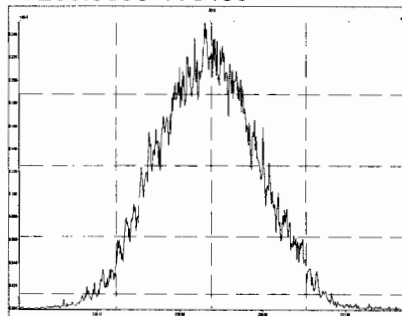


Printed: Friday, October 18, 2019 04:06:20 Pacific Daylight Time

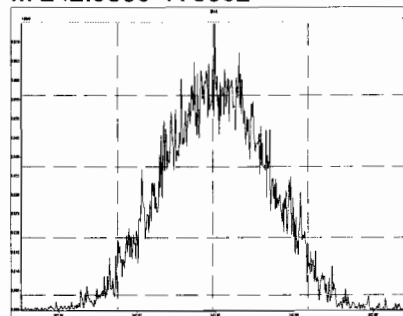
M 218.9856 R 8594



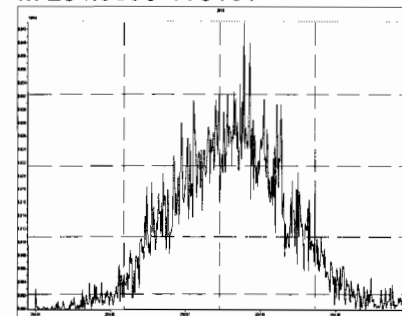
M 230.9856 R 8435



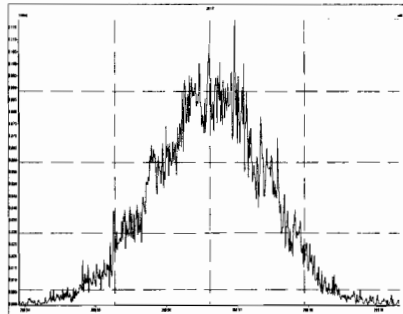
M 242.9856 R 8562



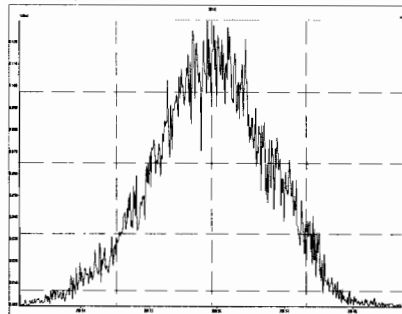
M 254.9856 R 9161



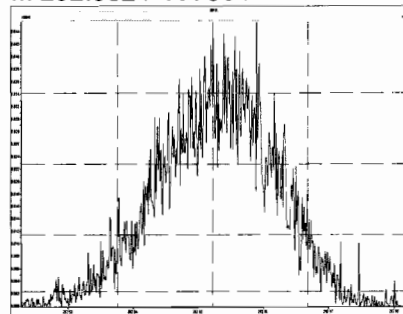
M 268.9824 R 7760



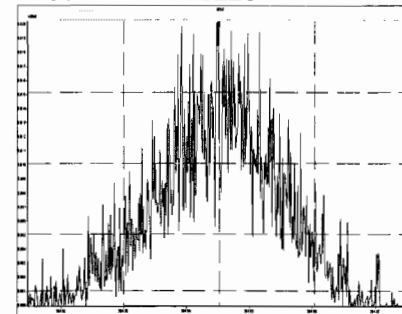
M 280.9824 R 7680



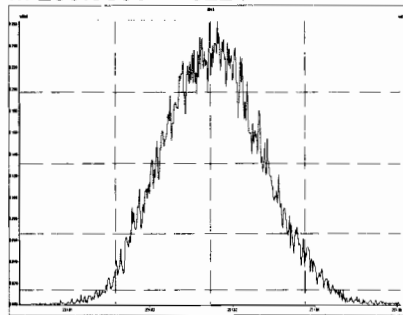
M 292.9824 R 7964



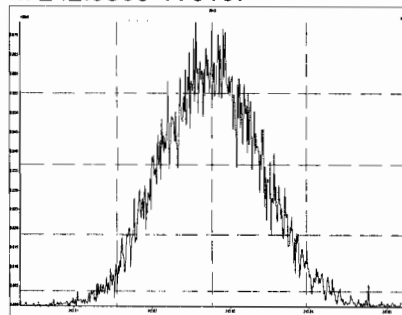
M 304.9824 R 8226



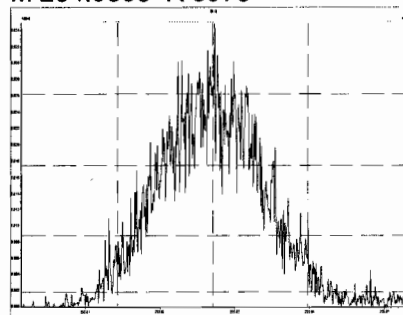
M 230.9856 R 8224



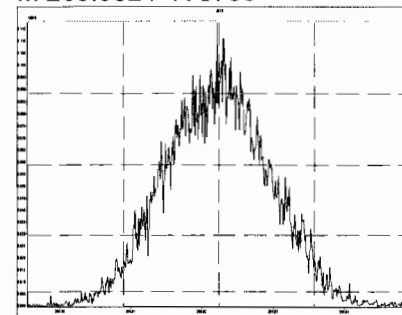
M 242.9856 R 9107



M 254.9856 R 8976

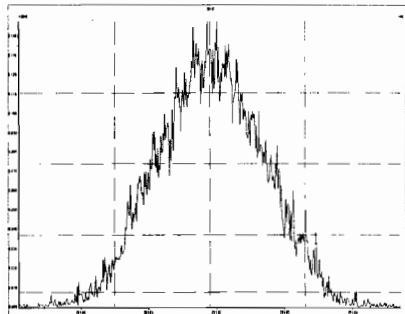


M 268.9824 R 8730

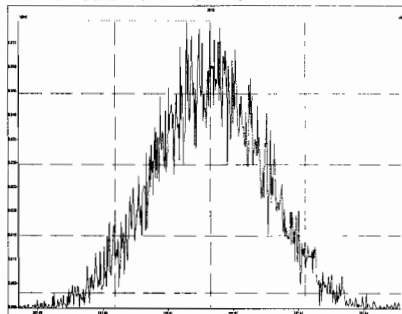


Printed: Friday, October 18, 2019 04:06:20 Pacific Daylight Time

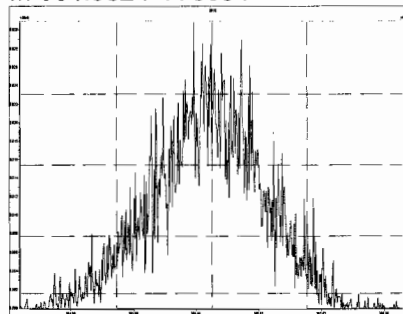
M 280.9824 R 8228



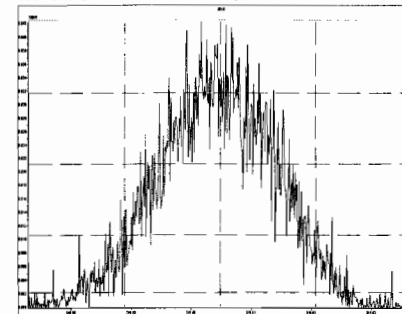
M 292.9824 R 8679



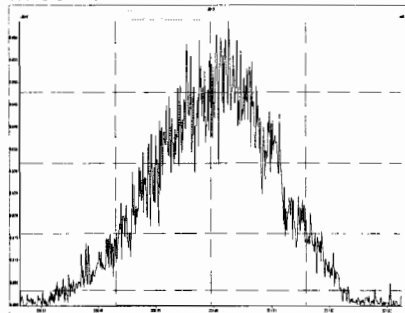
M 304.9824 R 8594



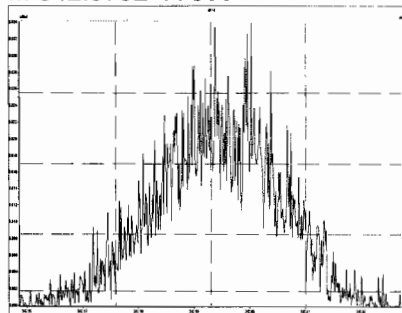
M 318.9792 R 7598



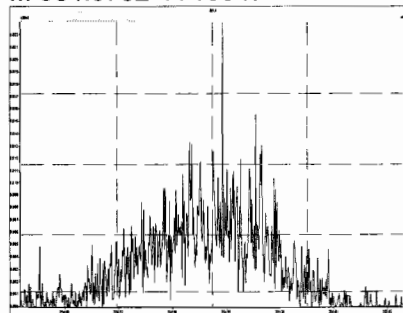
M 330.9792 R 7320



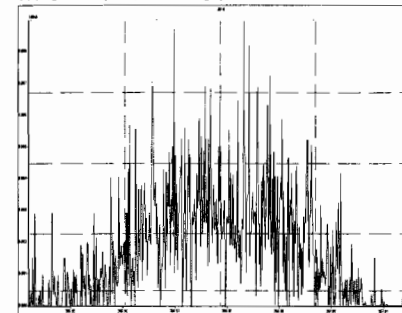
M 342.9792 R 8331



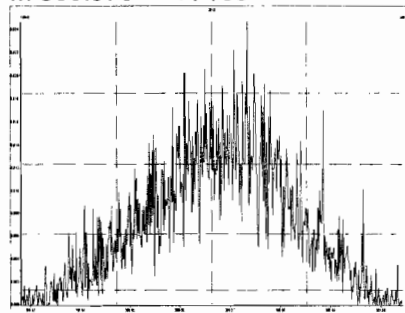
M 354.9792 R 10647



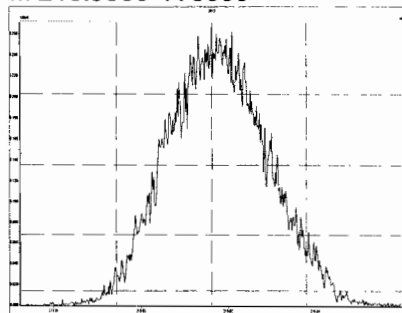
M 366.9792 R 39373



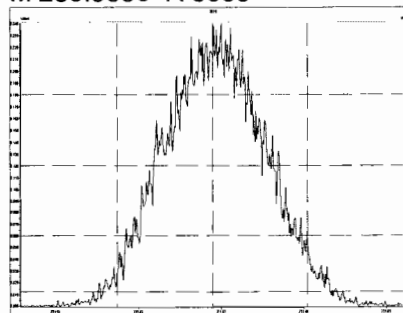
M 380.9760 R 7163



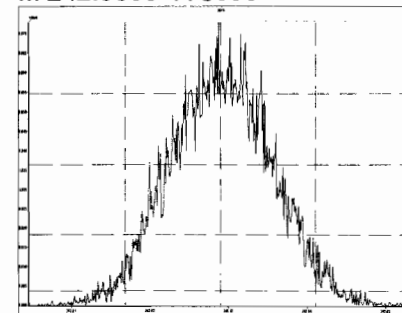
M 218.9856 R 8666



M 230.9856 R 8660

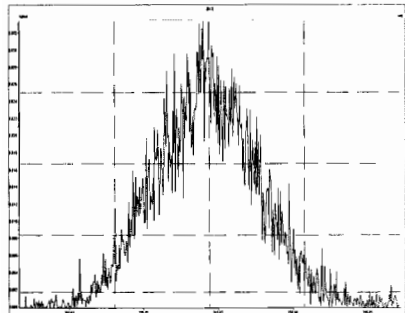


M 242.9856 R 8606

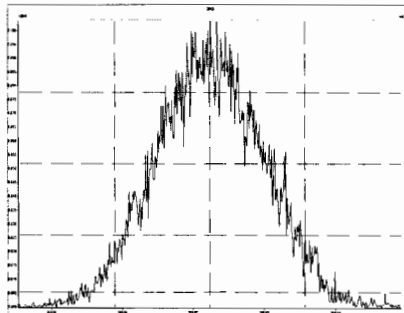


Printed: Friday, October 18, 2019 04:06:20 Pacific Daylight Time

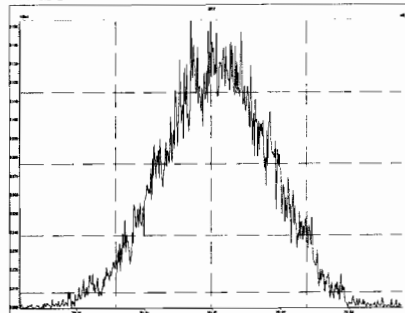
M 254.9856 R 9327



M 268.9824 R 8348



M 280.9824 R 8266



INITIAL CALIBRATION

Data filename: 191009D1
 Samp# 1 0.25 Samp# 2 0.50 Samp# 3 2.0 Samp# 4 10 Samp# 5 40 Samp# 6 300

| Name | Mean RRF | %RSD | RRF#1 | RRF#2 | RRF#3 | RRF#4 | RRF#5 | RRF#6 |
|-------------------------|----------|---------|-------|-------|-------|-------|-------|-------|
| 2,3,7,8-TCDD | 0.9053 | 7.55 % | 0.84 | 0.83 | 0.87 | 0.99 | 0.92 | 0.98 |
| 1,2,3,7,8-PeCDD | 0.9027 | 4.95 % | 0.86 | 0.87 | 0.88 | 0.88 | 0.96 | 0.96 |
| 1,2,3,4,7,8-HxCDD | 1.1013 | 3.97 % | 1.12 | 1.13 | 1.03 | 1.08 | 1.09 | 1.15 |
| 1,2,3,6,7,8-HxCDD | 0.9386 | 7.68 % | 0.83 | 0.88 | 1.01 | 0.92 | 0.98 | 1.00 |
| 1,2,3,7,8,9-HxCDD | 0.9613 | 4.62 % | 0.95 | 0.90 | 0.93 | 0.95 | 1.00 | 1.03 |
| 1,2,3,4,6,7,8-HpCDD | 0.9794 | 5.84 % | 0.90 | 0.97 | 0.95 | 0.96 | 1.03 | 1.06 |
| OCDD | 0.9585 | 4.07 % | 0.93 | 0.94 | 0.92 | 0.94 | 1.01 | 1.01 |
| 2,3,7,8-TCDF | 0.9501 | 8.27 % | 1.09 | 0.90 | 0.89 | 0.89 | 0.95 | 0.99 |
| 1,2,3,7,8-PeCDF | 0.9603 | 4.05 % | 0.94 | 0.94 | 0.92 | 0.95 | 1.00 | 1.01 |
| 2,3,4,7,8-PeCDF | 1.0148 | 3.01 % | 1.00 | 0.99 | 1.00 | 1.00 | 1.03 | 1.07 |
| 1,2,3,4,7,8-HxCDF | 1.1768 | 4.35 % | 1.23 | 1.11 | 1.15 | 1.14 | 1.20 | 1.24 |
| 1,2,3,6,7,8-HxCDF | 1.0689 | 3.63 % | 1.01 | 1.07 | 1.06 | 1.05 | 1.12 | 1.11 |
| 2,3,4,6,7,8-HxCDF | 1.1136 | 5.58 % | 1.06 | 1.03 | 1.12 | 1.11 | 1.16 | 1.20 |
| 1,2,3,7,8,9-HxCDF | 1.0616 | 3.91 % | 1.05 | 1.02 | 1.02 | 1.06 | 1.08 | 1.13 |
| 1,2,3,4,6,7,8-HpCDF | 1.1276 | 3.90 % | 1.13 | 1.13 | 1.06 | 1.10 | 1.17 | 1.18 |
| 1,2,3,4,7,8,9-HpCDF | 1.2799 | 3.29 % | 1.30 | 1.24 | 1.25 | 1.25 | 1.31 | 1.34 |
| OCDF | 0.9472 | 3.80 % | 0.95 | 0.92 | 0.91 | 0.92 | 1.00 | 0.98 |
| 13C-2,3,7,8-TCDD | 1.0954 | 1.91 % | 1.11 | 1.08 | 1.06 | 1.10 | 1.12 | 1.11 |
| 13C-1,2,3,7,8-PeCDD | 0.8814 | 5.11 % | 0.89 | 0.86 | 0.83 | 0.86 | 0.89 | 0.96 |
| 13C-1,2,3,4,7,8-HxCDD | 0.6421 | 10.35 % | 0.65 | 0.60 | 0.58 | 0.61 | 0.65 | 0.77 |
| 13C-1,2,3,6,7,8-HxCDD | 0.8555 | 4.13 % | 0.86 | 0.87 | 0.82 | 0.87 | 0.80 | 0.90 |
| 13C-1,2,3,7,8,9-HxCDD | 0.8066 | 5.57 % | 0.84 | 0.80 | 0.76 | 0.80 | 0.76 | 0.88 |
| 13C-1,2,3,4,6,7,8-HpCDD | 0.6539 | 9.07 % | 0.70 | 0.63 | 0.59 | 0.62 | 0.63 | 0.75 |
| 13C-OCDD | 0.5797 | 10.98 % | 0.60 | 0.52 | 0.53 | 0.55 | 0.59 | 0.69 |
| 13C-2,3,7,8-TCDF | 1.0349 | 1.62 % | 1.04 | 1.00 | 1.03 | 1.05 | 1.04 | 1.04 |
| 13C-1,2,3,7,8-PeCDF | 0.8542 | 4.58 % | 0.84 | 0.82 | 0.82 | 0.87 | 0.86 | 0.92 |
| 13C-2,3,4,7,8-PeCDF | 0.8471 | 3.79 % | 0.81 | 0.84 | 0.83 | 0.84 | 0.85 | 0.91 |
| 13C-1,2,3,4,7,8-HxCDF | 0.8317 | 8.50 % | 0.76 | 0.80 | 0.79 | 0.86 | 0.83 | 0.96 |
| 13C-1,2,3,6,7,8-HxCDF | 1.0344 | 5.35 % | 1.00 | 1.03 | 1.03 | 1.03 | 0.98 | 1.14 |
| 13C-2,3,4,6,7,8-HxCDF | 0.9533 | 6.17 % | 0.94 | 0.94 | 0.90 | 0.93 | 0.93 | 1.07 |
| 13C-1,2,3,7,8,9-HxCDF | 0.8277 | 8.68 % | 0.82 | 0.80 | 0.77 | 0.78 | 0.83 | 0.96 |
| 13C-1,2,3,4,6,7,8-HpCDF | 0.7575 | 6.47 % | 0.76 | 0.73 | 0.72 | 0.75 | 0.73 | 0.85 |
| 13C-1,2,3,4,7,8,9-HpCDF | 0.5812 | 8.97 % | 0.62 | 0.54 | 0.52 | 0.55 | 0.58 | 0.66 |
| 13C-OCDF | 0.6890 | 12.48 % | 0.69 | 0.62 | 0.62 | 0.65 | 0.72 | 0.85 |
| 37Cl-2,3,7,8-TCDD | 1.1977 | 8.83 % | 1.40 | 1.16 | 1.16 | 1.11 | 1.15 | 1.21 |
| 13C-1,2,3,4-TCDD | 1.0000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 13C-1,2,3,4-TCDF | 1.0000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 13C-1,2,3,4,6,9-HxCDF | 1.0000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

DB CT
 10/10/19 10/10/19

Filename: 191009D1 S: 1 Acquired: 9-OCT-19 16:13:04
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-1 1613 CS0 19C2201

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|----|-------|-------------------------|--------|----------|--------|-------|----|------|
| 1 | Unk | 2,3,7,8-TCDD | 0.25 | 1.97e+04 | 0.80 y | 26:32 | - | 0.84 |
| 2 | Unk | 1,2,3,7,8-PeCDD | 1.25 | 8.06e+04 | 0.62 y | 30:54 | - | 0.86 |
| 3 | Unk | 1,2,3,4,7,8-HxCDD | 1.25 | 7.34e+04 | 1.23 y | 34:16 | - | 1.12 |
| 4 | Unk | 1,2,3,6,7,8-HxCDD | 1.25 | 7.23e+04 | 1.12 y | 34:23 | - | 0.83 |
| 5 | Unk | 1,2,3,7,8,9-HxCDD | 1.25 | 8.01e+04 | 1.19 y | 34:43 | - | 0.95 |
| 6 | Unk | 1,2,3,4,6,7,8-HpCDD | 1.25 | 6.39e+04 | 1.06 y | 38:05 | - | 0.90 |
| 7 | Unk | OCDD | 2.50 | 1.14e+05 | 0.95 y | 41:28 | - | 0.93 |
| 8 | Unk | 2,3,7,8-TCDF | 0.25 | 3.62e+04 | 0.85 y | 25:49 | - | 1.09 |
| 9 | Unk | 1,2,3,7,8-PeCDF | 1.25 | 1.26e+05 | 1.52 y | 29:46 | - | 0.94 |
| 10 | Unk | 2,3,4,7,8-PeCDF | 1.25 | 1.31e+05 | 1.52 y | 30:40 | - | 1.00 |
| 11 | Unk | 1,2,3,4,7,8-HxCDF | 1.25 | 9.36e+04 | 1.22 y | 33:22 | - | 1.23 |
| 12 | Unk | 1,2,3,6,7,8-HxCDF | 1.25 | 1.02e+05 | 1.11 y | 33:29 | - | 1.01 |
| 13 | Unk | 2,3,4,6,7,8-HxCDF | 1.25 | 1.01e+05 | 1.30 y | 34:07 | - | 1.06 |
| 14 | Unk | 1,2,3,7,8,9-HxCDF | 1.25 | 8.74e+04 | 1.10 y | 35:08 | - | 1.05 |
| 15 | Unk | 1,2,3,4,6,7,8-HpCDF | 1.25 | 8.63e+04 | 1.01 y | 36:57 | - | 1.13 |
| 16 | Unk | 1,2,3,4,7,8,9-HpCDF | 1.25 | 8.18e+04 | 1.14 y | 38:40 | - | 1.30 |
| 17 | Unk | OCDF | 2.50 | 1.32e+05 | 0.94 y | 41:43 | - | 0.95 |
| 36 | IS | 13C-2,3,7,8-TCDD | 100.00 | 9.40e+06 | 0.78 y | 26:32 | - | 1.11 |
| 37 | IS | 13C-1,2,3,7,8-PeCDD | 100.00 | 7.48e+06 | 0.62 y | 30:55 | - | 0.89 |
| 38 | IS | 13C-1,2,3,4,7,8-HxCDD | 100.00 | 5.24e+06 | 1.19 y | 34:15 | - | 0.65 |
| 39 | IS | 13C-1,2,3,6,7,8-HxCDD | 100.00 | 6.96e+06 | 1.32 y | 34:22 | - | 0.86 |
| 40 | IS | 13C-1,2,3,7,8,9-HxCDD | 100.00 | 6.74e+06 | 1.31 y | 34:42 | - | 0.84 |
| 41 | IS | 13C-1,2,3,4,6,7,8-HpCDD | 100.00 | 5.68e+06 | 1.05 y | 38:05 | - | 0.70 |
| 42 | IS | 13C-OCDD | 200.00 | 9.75e+06 | 0.88 y | 41:28 | - | 0.60 |
| 43 | IS | 13C-2,3,7,8-TCDF | 100.00 | 1.33e+07 | 0.79 y | 25:49 | - | 1.04 |
| 44 | IS | 13C-1,2,3,7,8-PeCDF | 100.00 | 1.07e+07 | 1.58 y | 29:46 | - | 0.84 |
| 45 | IS | 13C-2,3,4,7,8-PeCDF | 100.00 | 1.05e+07 | 1.58 y | 30:39 | - | 0.81 |
| 46 | IS | 13C-1,2,3,4,7,8-HxCDF | 100.00 | 6.11e+06 | 0.51 y | 33:21 | - | 0.76 |
| 47 | IS | 13C-1,2,3,6,7,8-HxCDF | 100.00 | 8.04e+06 | 0.50 y | 33:29 | - | 1.00 |
| 48 | IS | 13C-2,3,4,6,7,8-HxCDF | 100.00 | 7.61e+06 | 0.50 y | 34:07 | - | 0.94 |
| 49 | IS | 13C-1,2,3,7,8,9-HxCDF | 100.00 | 6.66e+06 | 0.48 y | 35:07 | - | 0.82 |
| 50 | IS | 13C-1,2,3,4,6,7,8-HpCDF | 100.00 | 6.12e+06 | 0.42 y | 36:57 | - | 0.76 |
| 51 | IS | 13C-1,2,3,4,7,8,9-HpCDF | 100.00 | 5.02e+06 | 0.45 y | 38:41 | - | 0.62 |
| 52 | IS | 13C-OCDF | 200.00 | 1.11e+07 | 0.90 y | 41:43 | - | 0.69 |
| 53 | C/Up | 37Cl-2,3,7,8-TCDD | 0.25 | 2.97e+04 | | 26:33 | - | 1.40 |
| 54 | RS/RT | 13C-1,2,3,4-TCDD | 100.00 | 8.45e+06 | 0.80 y | 25:59 | - | 1.00 |
| 55 | RS | 13C-1,2,3,4-TCDF | 100.00 | 1.28e+07 | 0.79 y | 24:39 | - | 1.00 |
| 56 | RS/RT | 13C-1,2,3,4,6,9-HxCDF | 100.00 | 8.07e+06 | 0.52 y | 33:47 | - | 1.00 |

DB
10/10/14

Filename: 191009D1 S: 2 Acquired: 9-OCT-19 17:00:45
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-2 1613 CS1 19C2202

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|----|-------|-------------------------|--------|----------|--------|-------|----|------|
| 1 | Unk | 2,3,7,8-TCDD | 0.50 | 3.54e+04 | 0.78 y | 26:34 | - | 0.83 |
| 2 | Unk | 1,2,3,7,8-PeCDD | 2.50 | 1.46e+05 | 0.60 y | 30:56 | - | 0.87 |
| 3 | Unk | 1,2,3,4,7,8-HxCDD | 2.50 | 1.25e+05 | 1.20 y | 34:16 | - | 1.13 |
| 4 | Unk | 1,2,3,6,7,8-HxCDD | 2.50 | 1.40e+05 | 1.22 y | 34:23 | - | 0.88 |
| 5 | Unk | 1,2,3,7,8,9-HxCDD | 2.50 | 1.33e+05 | 1.15 y | 34:43 | - | 0.90 |
| 6 | Unk | 1,2,3,4,6,7,8-HpCDD | 2.50 | 1.13e+05 | 0.97 y | 38:06 | - | 0.97 |
| 7 | Unk | OCDD | 5.00 | 1.78e+05 | 0.90 y | 41:28 | - | 0.94 |
| 8 | Unk | 2,3,7,8-TCDF | 0.50 | 5.25e+04 | 0.74 y | 25:51 | - | 0.90 |
| 9 | Unk | 1,2,3,7,8-PeCDF | 2.50 | 2.25e+05 | 1.59 y | 29:48 | - | 0.94 |
| 10 | Unk | 2,3,4,7,8-PeCDF | 2.50 | 2.42e+05 | 1.50 y | 30:40 | - | 0.99 |
| 11 | Unk | 1,2,3,4,7,8-HxCDF | 2.50 | 1.62e+05 | 1.16 y | 33:22 | - | 1.11 |
| 12 | Unk | 1,2,3,6,7,8-HxCDF | 2.50 | 2.03e+05 | 1.20 y | 33:30 | - | 1.07 |
| 13 | Unk | 2,3,4,6,7,8-HxCDF | 2.50 | 1.79e+05 | 1.30 y | 34:07 | - | 1.03 |
| 14 | Unk | 1,2,3,7,8,9-HxCDF | 2.50 | 1.49e+05 | 1.24 y | 35:08 | - | 1.02 |
| 15 | Unk | 1,2,3,4,6,7,8-HpCDF | 2.50 | 1.51e+05 | 0.91 y | 36:57 | - | 1.13 |
| 16 | Unk | 1,2,3,4,7,8,9-HpCDF | 2.50 | 1.23e+05 | 0.94 y | 38:41 | - | 1.24 |
| 17 | Unk | OCDF | 5.00 | 2.09e+05 | 0.91 y | 41:43 | - | 0.92 |
| 36 | IS | 13C-2,3,7,8-TCDD | 100.00 | 8.50e+06 | 0.78 y | 26:34 | - | 1.08 |
| 37 | IS | 13C-1,2,3,7,8-PeCDD | 100.00 | 6.74e+06 | 0.63 y | 30:56 | - | 0.86 |
| 38 | IS | 13C-1,2,3,4,7,8-HxCDD | 100.00 | 4.41e+06 | 1.38 y | 34:16 | - | 0.60 |
| 39 | IS | 13C-1,2,3,6,7,8-HxCDD | 100.00 | 6.35e+06 | 1.20 y | 34:23 | - | 0.87 |
| 40 | IS | 13C-1,2,3,7,8,9-HxCDD | 100.00 | 5.87e+06 | 1.26 y | 34:42 | - | 0.80 |
| 41 | IS | 13C-1,2,3,4,6,7,8-HpCDD | 100.00 | 4.64e+06 | 1.05 y | 38:05 | - | 0.63 |
| 42 | IS | 13C-OCDD | 200.00 | 7.58e+06 | 0.89 y | 41:28 | - | 0.52 |
| 43 | IS | 13C-2,3,7,8-TCDF | 100.00 | 1.17e+07 | 0.80 y | 25:51 | - | 1.00 |
| 44 | IS | 13C-1,2,3,7,8-PeCDF | 100.00 | 9.60e+06 | 1.59 y | 29:48 | - | 0.82 |
| 45 | IS | 13C-2,3,4,7,8-PeCDF | 100.00 | 9.80e+06 | 1.58 y | 30:40 | - | 0.84 |
| 46 | IS | 13C-1,2,3,4,7,8-HxCDF | 100.00 | 5.84e+06 | 0.52 y | 33:21 | - | 0.80 |
| 47 | IS | 13C-1,2,3,6,7,8-HxCDF | 100.00 | 7.58e+06 | 0.51 y | 33:29 | - | 1.03 |
| 48 | IS | 13C-2,3,4,6,7,8-HxCDF | 100.00 | 6.92e+06 | 0.51 y | 34:07 | - | 0.94 |
| 49 | IS | 13C-1,2,3,7,8,9-HxCDF | 100.00 | 5.84e+06 | 0.49 y | 35:08 | - | 0.80 |
| 50 | IS | 13C-1,2,3,4,6,7,8-HpCDF | 100.00 | 5.38e+06 | 0.43 y | 36:57 | - | 0.73 |
| 51 | IS | 13C-1,2,3,4,7,8,9-HpCDF | 100.00 | 3.99e+06 | 0.43 y | 38:41 | - | 0.54 |
| 52 | IS | 13C-OCDF | 200.00 | 9.05e+06 | 0.88 y | 41:43 | - | 0.62 |
| 53 | C/Up | 37Cl-2,3,7,8-TCDD | 0.50 | 4.55e+04 | | 26:34 | - | 1.16 |
| 54 | RS/RT | 13C-1,2,3,4-TCDD | 100.00 | 7.86e+06 | 0.77 y | 26:01 | - | 1.00 |
| 55 | RS | 13C-1,2,3,4-TCDF | 100.00 | 1.17e+07 | 0.83 y | 24:41 | - | 1.00 |
| 56 | RS/RT | 13C-1,2,3,4,6,9-HxCDF | 100.00 | 7.33e+06 | 0.52 y | 33:47 | - | 1.00 |

DB
10/10/19

Filename: 191009D1 S: 3 Acquired: 9-OCT-19 17:48:27
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-3 1613 CS2 19C2203

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|----|-------|-------------------------|--------|----------|--------|-------|----|------|
| 1 | Unk | 2,3,7,8-TCDD | 2.00 | 1.35e+05 | 0.74 y | 26:33 | - | 0.87 |
| 2 | Unk | 1,2,3,7,8-PeCDD | 10.00 | 5.33e+05 | 0.64 y | 30:56 | - | 0.88 |
| 3 | Unk | 1,2,3,4,7,8-HxCDD | 10.00 | 3.94e+05 | 1.22 y | 34:16 | - | 1.03 |
| 4 | Unk | 1,2,3,6,7,8-HxCDD | 10.00 | 5.50e+05 | 1.25 y | 34:23 | - | 1.01 |
| 5 | Unk | 1,2,3,7,8,9-HxCDD | 10.00 | 4.71e+05 | 1.36 y | 34:43 | - | 0.93 |
| 6 | Unk | 1,2,3,4,6,7,8-HpCDD | 10.00 | 3.70e+05 | 1.02 y | 38:06 | - | 0.95 |
| 7 | Unk | OCDD | 20.00 | 6.41e+05 | 0.90 y | 41:29 | - | 0.92 |
| 8 | Unk | 2,3,7,8-TCDF | 2.00 | 1.90e+05 | 0.83 y | 25:49 | - | 0.89 |
| 9 | Unk | 1,2,3,7,8-PeCDF | 10.00 | 7.88e+05 | 1.58 y | 29:47 | - | 0.92 |
| 10 | Unk | 2,3,4,7,8-PeCDF | 10.00 | 8.71e+05 | 1.56 y | 30:40 | - | 1.00 |
| 11 | Unk | 1,2,3,4,7,8-HxCDF | 10.00 | 6.02e+05 | 1.14 y | 33:22 | - | 1.15 |
| 12 | Unk | 1,2,3,6,7,8-HxCDF | 10.00 | 7.20e+05 | 1.27 y | 33:30 | - | 1.06 |
| 13 | Unk | 2,3,4,6,7,8-HxCDF | 10.00 | 6.66e+05 | 1.26 y | 34:08 | - | 1.12 |
| 14 | Unk | 1,2,3,7,8,9-HxCDF | 10.00 | 5.16e+05 | 1.16 y | 35:08 | - | 1.02 |
| 15 | Unk | 1,2,3,4,6,7,8-HpCDF | 10.00 | 5.02e+05 | 1.05 y | 36:57 | - | 1.06 |
| 16 | Unk | 1,2,3,4,7,8,9-HpCDF | 10.00 | 4.31e+05 | 1.08 y | 38:41 | - | 1.25 |
| 17 | Unk | OCDF | 20.00 | 7.38e+05 | 0.91 y | 41:44 | - | 0.91 |
| 36 | IS | 13C-2,3,7,8-TCDD | 100.00 | 7.73e+06 | 0.78 y | 26:33 | - | 1.06 |
| 37 | IS | 13C-1,2,3,7,8-PeCDD | 100.00 | 6.03e+06 | 0.62 y | 30:55 | - | 0.83 |
| 38 | IS | 13C-1,2,3,4,7,8-HxCDD | 100.00 | 3.81e+06 | 1.24 y | 34:15 | - | 0.58 |
| 39 | IS | 13C-1,2,3,6,7,8-HxCDD | 100.00 | 5.44e+06 | 1.28 y | 34:22 | - | 0.82 |
| 40 | IS | 13C-1,2,3,7,8,9-HxCDD | 100.00 | 5.03e+06 | 1.21 y | 34:42 | - | 0.76 |
| 41 | IS | 13C-1,2,3,4,6,7,8-HpCDD | 100.00 | 3.89e+06 | 1.09 y | 38:05 | - | 0.59 |
| 42 | IS | 13C-OCDD | 200.00 | 6.97e+06 | 0.90 y | 41:28 | - | 0.53 |
| 43 | IS | 13C-2,3,7,8-TCDF | 100.00 | 1.08e+07 | 0.82 y | 25:49 | - | 1.03 |
| 44 | IS | 13C-1,2,3,7,8-PeCDF | 100.00 | 8.55e+06 | 1.59 y | 29:47 | - | 0.82 |
| 45 | IS | 13C-2,3,4,7,8-PeCDF | 100.00 | 8.70e+06 | 1.59 y | 30:40 | - | 0.83 |
| 46 | IS | 13C-1,2,3,4,7,8-HxCDF | 100.00 | 5.22e+06 | 0.49 y | 33:21 | - | 0.79 |
| 47 | IS | 13C-1,2,3,6,7,8-HxCDF | 100.00 | 6.80e+06 | 0.51 y | 33:29 | - | 1.03 |
| 48 | IS | 13C-2,3,4,6,7,8-HxCDF | 100.00 | 5.93e+06 | 0.52 y | 34:07 | - | 0.90 |
| 49 | IS | 13C-1,2,3,7,8,9-HxCDF | 100.00 | 5.05e+06 | 0.51 y | 35:08 | - | 0.77 |
| 50 | IS | 13C-1,2,3,4,6,7,8-HpCDF | 100.00 | 4.73e+06 | 0.44 y | 36:57 | - | 0.72 |
| 51 | IS | 13C-1,2,3,4,7,8,9-HpCDF | 100.00 | 3.46e+06 | 0.45 y | 38:41 | - | 0.52 |
| 52 | IS | 13C-OCDF | 200.00 | 8.15e+06 | 0.92 y | 41:44 | - | 0.62 |
| 53 | C/Up | 37Cl-2,3,7,8-TCDD | 2.00 | 1.69e+05 | | 26:33 | - | 1.16 |
| 54 | RS/RT | 13C-1,2,3,4-TCDD | 100.00 | 7.29e+06 | 0.77 y | 25:59 | - | 1.00 |
| 55 | RS | 13C-1,2,3,4-TCDF | 100.00 | 1.04e+07 | 0.82 y | 24:39 | - | 1.00 |
| 56 | RS/RT | 13C-1,2,3,4,6,9-HxCDF | 100.00 | 6.60e+06 | 0.52 y | 33:47 | - | 1.00 |

DB
10/10/19

Filename: 191009D1 S: 4 Acquired: 9-OCT-19 18:36:09
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-4 1613 CS3 19C2204

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|----|-------|-------------------------|--------|----------|--------|-------|----|------|
| 1 | Unk | 2,3,7,8-TCDD | 10.00 | 8.37e+05 | 0.80 y | 26:35 | - | 0.99 |
| 2 | Unk | 1,2,3,7,8-PeCDD | 50.00 | 2.94e+06 | 0.61 y | 30:56 | - | 0.88 |
| 3 | Unk | 1,2,3,4,7,8-HxCDD | 50.00 | 2.38e+06 | 1.21 y | 34:16 | - | 1.08 |
| 4 | Unk | 1,2,3,6,7,8-HxCDD | 50.00 | 2.90e+06 | 1.19 y | 34:23 | - | 0.92 |
| 5 | Unk | 1,2,3,7,8,9-HxCDD | 50.00 | 2.74e+06 | 1.24 y | 34:42 | - | 0.95 |
| 6 | Unk | 1,2,3,4,6,7,8-HpCDD | 50.00 | 2.15e+06 | 1.03 y | 38:05 | - | 0.96 |
| 7 | Unk | OCDD | 100.00 | 3.73e+06 | 0.91 y | 41:28 | - | 0.94 |
| 8 | Unk | 2,3,7,8-TCDF | 10.00 | 1.05e+06 | 0.80 y | 25:51 | - | 0.89 |
| 9 | Unk | 1,2,3,7,8-PeCDF | 50.00 | 4.65e+06 | 1.59 y | 29:47 | - | 0.95 |
| 10 | Unk | 2,3,4,7,8-PeCDF | 50.00 | 4.70e+06 | 1.68 y | 30:40 | - | 1.00 |
| 11 | Unk | 1,2,3,4,7,8-HxCDF | 50.00 | 3.52e+06 | 1.24 y | 33:21 | - | 1.14 |
| 12 | Unk | 1,2,3,6,7,8-HxCDF | 50.00 | 3.92e+06 | 1.25 y | 33:29 | - | 1.05 |
| 13 | Unk | 2,3,4,6,7,8-HxCDF | 50.00 | 3.74e+06 | 1.22 y | 34:07 | - | 1.11 |
| 14 | Unk | 1,2,3,7,8,9-HxCDF | 50.00 | 3.00e+06 | 1.19 y | 35:07 | - | 1.06 |
| 15 | Unk | 1,2,3,4,6,7,8-HpCDF | 50.00 | 2.97e+06 | 1.04 y | 36:57 | - | 1.10 |
| 16 | Unk | 1,2,3,4,7,8,9-HpCDF | 50.00 | 2.49e+06 | 1.07 y | 38:41 | - | 1.25 |
| 17 | Unk | OCDF | 100.00 | 4.33e+06 | 0.91 y | 41:43 | - | 0.92 |
| 36 | IS | 13C-2,3,7,8-TCDD | 100.00 | 8.46e+06 | 0.74 y | 26:33 | - | 1.10 |
| 37 | IS | 13C-1,2,3,7,8-PeCDD | 100.00 | 6.66e+06 | 0.62 y | 30:55 | - | 0.86 |
| 38 | IS | 13C-1,2,3,4,7,8-HxCDD | 100.00 | 4.42e+06 | 1.25 y | 34:15 | - | 0.61 |
| 39 | IS | 13C-1,2,3,6,7,8-HxCDD | 100.00 | 6.30e+06 | 1.28 y | 34:22 | - | 0.87 |
| 40 | IS | 13C-1,2,3,7,8,9-HxCDD | 100.00 | 5.76e+06 | 1.27 y | 34:41 | - | 0.80 |
| 41 | IS | 13C-1,2,3,4,6,7,8-HpCDD | 100.00 | 4.47e+06 | 1.05 y | 38:05 | - | 0.62 |
| 42 | IS | 13C-OCDD | 200.00 | 7.90e+06 | 0.94 y | 41:27 | - | 0.55 |
| 43 | IS | 13C-2,3,7,8-TCDF | 100.00 | 1.18e+07 | 0.79 y | 25:50 | - | 1.05 |
| 44 | IS | 13C-1,2,3,7,8-PeCDF | 100.00 | 9.79e+06 | 1.62 y | 29:47 | - | 0.87 |
| 45 | IS | 13C-2,3,4,7,8-PeCDF | 100.00 | 9.43e+06 | 1.61 y | 30:39 | - | 0.84 |
| 46 | IS | 13C-1,2,3,4,7,8-HxCDF | 100.00 | 6.19e+06 | 0.50 y | 33:21 | - | 0.86 |
| 47 | IS | 13C-1,2,3,6,7,8-HxCDF | 100.00 | 7.47e+06 | 0.51 y | 33:29 | - | 1.03 |
| 48 | IS | 13C-2,3,4,6,7,8-HxCDF | 100.00 | 6.75e+06 | 0.49 y | 34:06 | - | 0.93 |
| 49 | IS | 13C-1,2,3,7,8,9-HxCDF | 100.00 | 5.64e+06 | 0.49 y | 35:07 | - | 0.78 |
| 50 | IS | 13C-1,2,3,4,6,7,8-HpCDF | 100.00 | 5.40e+06 | 0.43 y | 36:55 | - | 0.75 |
| 51 | IS | 13C-1,2,3,4,7,8,9-HpCDF | 100.00 | 3.99e+06 | 0.44 y | 38:40 | - | 0.55 |
| 52 | IS | 13C-OCDF | 200.00 | 9.37e+06 | 0.89 y | 41:43 | - | 0.65 |
| 53 | C/Up | 37Cl-2,3,7,8-TCDD | 10.00 | 8.56e+05 | | 26:35 | - | 1.11 |
| 54 | RS/RT | 13C-1,2,3,4-TCDD | 100.00 | 7.70e+06 | 0.75 y | 26:00 | - | 1.00 |
| 55 | RS | 13C-1,2,3,4-TCDF | 100.00 | 1.13e+07 | 0.82 y | 24:41 | - | 1.00 |
| 56 | RS/RT | 13C-1,2,3,4,6,9-HxCDF | 100.00 | 7.23e+06 | 0.51 y | 33:47 | - | 1.00 |

DB

10/10/19

Filename: 191009D1 S: 5 Acquired: 9-OCT-19 19:23:46
Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
Sample text: ST191009D1-5 1613 CS4 19C2205

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|----|-------|-------------------------|--------|----------|--------|-------|----|------|
| 1 | Unk | 2,3,7,8-TCDD | 40.00 | 3.53e+06 | 0.81 y | 26:35 | - | 0.92 |
| 2 | Unk | 1,2,3,7,8-PeCDD | 200.00 | 1.48e+07 | 0.63 y | 30:55 | - | 0.96 |
| 3 | Unk | 1,2,3,4,7,8-HxCDD | 200.00 | 1.19e+07 | 1.19 y | 34:15 | - | 1.09 |
| 4 | Unk | 1,2,3,6,7,8-HxCDD | 200.00 | 1.34e+07 | 1.20 y | 34:22 | - | 0.98 |
| 5 | Unk | 1,2,3,7,8,9-HxCDD | 200.00 | 1.30e+07 | 1.18 y | 34:41 | - | 1.00 |
| 6 | Unk | 1,2,3,4,6,7,8-HpCDD | 200.00 | 1.10e+07 | 1.03 y | 38:04 | - | 1.03 |
| 7 | Unk | OCDD | 400.00 | 2.03e+07 | 0.91 y | 41:26 | - | 1.01 |
| 8 | Unk | 2,3,7,8-TCDF | 40.00 | 5.17e+06 | 0.77 y | 25:52 | - | 0.95 |
| 9 | Unk | 1,2,3,7,8-PeCDF | 200.00 | 2.24e+07 | 1.58 y | 29:47 | - | 1.00 |
| 10 | Unk | 2,3,4,7,8-PeCDF | 200.00 | 2.29e+07 | 1.55 y | 30:40 | - | 1.03 |
| 11 | Unk | 1,2,3,4,7,8-HxCDF | 200.00 | 1.69e+07 | 1.21 y | 33:21 | - | 1.20 |
| 12 | Unk | 1,2,3,6,7,8-HxCDF | 200.00 | 1.85e+07 | 1.21 y | 33:29 | - | 1.12 |
| 13 | Unk | 2,3,4,6,7,8-HxCDF | 200.00 | 1.83e+07 | 1.21 y | 34:06 | - | 1.16 |
| 14 | Unk | 1,2,3,7,8,9-HxCDF | 200.00 | 1.53e+07 | 1.22 y | 35:06 | - | 1.08 |
| 15 | Unk | 1,2,3,4,6,7,8-HpCDF | 200.00 | 1.46e+07 | 1.04 y | 36:56 | - | 1.17 |
| 16 | Unk | 1,2,3,4,7,8,9-HpCDF | 200.00 | 1.30e+07 | 1.05 y | 38:39 | - | 1.31 |
| 17 | Unk | OCDF | 400.00 | 2.42e+07 | 0.91 y | 41:41 | - | 1.00 |
| 36 | IS | 13C-2,3,7,8-TCDD | 100.00 | 9.63e+06 | 0.75 y | 26:34 | - | 1.12 |
| 37 | IS | 13C-1,2,3,7,8-PeCDD | 100.00 | 7.72e+06 | 0.63 y | 30:54 | - | 0.89 |
| 38 | IS | 13C-1,2,3,4,7,8-HxCDD | 100.00 | 5.48e+06 | 1.31 y | 34:14 | - | 0.65 |
| 39 | IS | 13C-1,2,3,6,7,8-HxCDD | 100.00 | 6.83e+06 | 1.22 y | 34:21 | - | 0.80 |
| 40 | IS | 13C-1,2,3,7,8,9-HxCDD | 100.00 | 6.48e+06 | 1.26 y | 34:40 | - | 0.76 |
| 41 | IS | 13C-1,2,3,4,6,7,8-HpCDD | 100.00 | 5.36e+06 | 1.08 y | 38:03 | - | 0.63 |
| 42 | IS | 13C-OCDD | 200.00 | 1.01e+07 | 0.91 y | 41:25 | - | 0.59 |
| 43 | IS | 13C-2,3,7,8-TCDF | 100.00 | 1.36e+07 | 0.80 y | 25:51 | - | 1.04 |
| 44 | IS | 13C-1,2,3,7,8-PeCDF | 100.00 | 1.12e+07 | 1.57 y | 29:46 | - | 0.86 |
| 45 | IS | 13C-2,3,4,7,8-PeCDF | 100.00 | 1.11e+07 | 1.52 y | 30:39 | - | 0.85 |
| 46 | IS | 13C-1,2,3,4,7,8-HxCDF | 100.00 | 7.05e+06 | 0.50 y | 33:20 | - | 0.83 |
| 47 | IS | 13C-1,2,3,6,7,8-HxCDF | 100.00 | 8.28e+06 | 0.49 y | 33:28 | - | 0.98 |
| 48 | IS | 13C-2,3,4,6,7,8-HxCDF | 100.00 | 7.90e+06 | 0.51 y | 34:05 | - | 0.93 |
| 49 | IS | 13C-1,2,3,7,8,9-HxCDF | 100.00 | 7.08e+06 | 0.51 y | 35:06 | - | 0.83 |
| 50 | IS | 13C-1,2,3,4,6,7,8-HpCDF | 100.00 | 6.23e+06 | 0.46 y | 36:55 | - | 0.73 |
| 51 | IS | 13C-1,2,3,4,7,8,9-HpCDF | 100.00 | 4.95e+06 | 0.44 y | 38:38 | - | 0.58 |
| 52 | IS | 13C-OCDF | 200.00 | 1.22e+07 | 0.90 y | 41:40 | - | 0.72 |
| 53 | C/Up | 37Cl-2,3,7,8-TCDD | 40.00 | 3.96e+06 | | 26:35 | - | 1.15 |
| 54 | RS/RT | 13C-1,2,3,4-TCDD | 100.00 | 8.64e+06 | 0.78 y | 26:00 | - | 1.00 |
| 55 | RS | 13C-1,2,3,4-TCDF | 100.00 | 1.30e+07 | 0.83 y | 24:41 | - | 1.00 |
| 56 | RS/RT | 13C-1,2,3,4,6,9-HxCDF | 100.00 | 8.48e+06 | 0.51 y | 33:46 | - | 1.00 |

DB
10/10/19

Filename: 191009D1 S: 6 Acquired: 9-OCT-19 20:11:17
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-6 1613 CS5 19C2206

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|----|-------|-------------------------|---------|----------|--------|-------|----|------|
| 1 | Unk | 2,3,7,8-TCDD | 300.00 | 2.80e+07 | 0.81 y | 26:35 | - | 0.98 |
| 2 | Unk | 1,2,3,7,8-PeCDD | 1500.00 | 1.19e+08 | 0.62 y | 30:55 | - | 0.96 |
| 3 | Unk | 1,2,3,4,7,8-HxCDD | 1500.00 | 1.04e+08 | 1.22 y | 34:15 | - | 1.15 |
| 4 | Unk | 1,2,3,6,7,8-HxCDD | 1500.00 | 1.07e+08 | 1.21 y | 34:22 | - | 1.00 |
| 5 | Unk | 1,2,3,7,8,9-HxCDD | 1500.00 | 1.06e+08 | 1.23 y | 34:41 | - | 1.03 |
| 6 | Unk | 1,2,3,4,6,7,8-HpCDD | 1500.00 | 9.32e+07 | 1.05 y | 38:03 | - | 1.06 |
| 7 | Unk | OCDD | 3000.00 | 1.64e+08 | 0.92 y | 41:25 | - | 1.01 |
| 8 | Unk | 2,3,7,8-TCDF | 300.00 | 3.95e+07 | 0.79 y | 25:52 | - | 0.99 |
| 9 | Unk | 1,2,3,7,8-PeCDF | 1500.00 | 1.79e+08 | 1.58 y | 29:47 | - | 1.01 |
| 10 | Unk | 2,3,4,7,8-PeCDF | 1500.00 | 1.86e+08 | 1.57 y | 30:39 | - | 1.07 |
| 11 | Unk | 1,2,3,4,7,8-HxCDF | 1500.00 | 1.40e+08 | 1.20 y | 33:21 | - | 1.24 |
| 12 | Unk | 1,2,3,6,7,8-HxCDF | 1500.00 | 1.48e+08 | 1.21 y | 33:29 | - | 1.11 |
| 13 | Unk | 2,3,4,6,7,8-HxCDF | 1500.00 | 1.51e+08 | 1.22 y | 34:06 | - | 1.20 |
| 14 | Unk | 1,2,3,7,8,9-HxCDF | 1500.00 | 1.28e+08 | 1.25 y | 35:06 | - | 1.13 |
| 15 | Unk | 1,2,3,4,6,7,8-HpCDF | 1500.00 | 1.18e+08 | 1.03 y | 36:55 | - | 1.18 |
| 16 | Unk | 1,2,3,4,7,8,9-HpCDF | 1500.00 | 1.04e+08 | 1.05 y | 38:38 | - | 1.34 |
| 17 | Unk | OCDF | 3000.00 | 1.96e+08 | 0.91 y | 41:40 | - | 0.98 |
| 36 | IS | 13C-2,3,7,8-TCDD | 100.00 | 9.53e+06 | 0.73 y | 26:33 | - | 1.11 |
| 37 | IS | 13C-1,2,3,7,8-PeCDD | 100.00 | 8.28e+06 | 0.64 y | 30:54 | - | 0.96 |
| 38 | IS | 13C-1,2,3,4,7,8-HxCDD | 100.00 | 6.01e+06 | 1.21 y | 34:14 | - | 0.77 |
| 39 | IS | 13C-1,2,3,6,7,8-HxCDD | 100.00 | 7.08e+06 | 1.32 y | 34:21 | - | 0.90 |
| 40 | IS | 13C-1,2,3,7,8,9-HxCDD | 100.00 | 6.90e+06 | 1.26 y | 34:39 | - | 0.88 |
| 41 | IS | 13C-1,2,3,4,6,7,8-HpCDD | 100.00 | 5.86e+06 | 1.08 y | 38:03 | - | 0.75 |
| 42 | IS | 13C-OCDD | 200.00 | 1.08e+07 | 0.92 y | 41:25 | - | 0.69 |
| 43 | IS | 13C-2,3,7,8-TCDF | 100.00 | 1.33e+07 | 0.80 y | 25:51 | - | 1.04 |
| 44 | IS | 13C-1,2,3,7,8-PeCDF | 100.00 | 1.18e+07 | 1.59 y | 29:46 | - | 0.92 |
| 45 | IS | 13C-2,3,4,7,8-PeCDF | 100.00 | 1.16e+07 | 1.60 y | 30:38 | - | 0.91 |
| 46 | IS | 13C-1,2,3,4,7,8-HxCDF | 100.00 | 7.52e+06 | 0.51 y | 33:20 | - | 0.96 |
| 47 | IS | 13C-1,2,3,6,7,8-HxCDF | 100.00 | 8.92e+06 | 0.50 y | 33:28 | - | 1.14 |
| 48 | IS | 13C-2,3,4,6,7,8-HxCDF | 100.00 | 8.38e+06 | 0.51 y | 34:05 | - | 1.07 |
| 49 | IS | 13C-1,2,3,7,8,9-HxCDF | 100.00 | 7.57e+06 | 0.52 y | 35:05 | - | 0.96 |
| 50 | IS | 13C-1,2,3,4,6,7,8-HpCDF | 100.00 | 6.70e+06 | 0.43 y | 36:54 | - | 0.85 |
| 51 | IS | 13C-1,2,3,4,7,8,9-HpCDF | 100.00 | 5.19e+06 | 0.43 y | 38:37 | - | 0.66 |
| 52 | IS | 13C-OCDF | 200.00 | 1.33e+07 | 0.89 y | 41:39 | - | 0.85 |
| 53 | C/Up | 37Cl-2,3,7,8-TCDD | 199.98 | 2.09e+07 | | 26:35 | - | 1.21 |
| 54 | RS/RT | 13C-1,2,3,4-TCDD | 100.00 | 8.62e+06 | 0.76 y | 26:01 | - | 1.00 |
| 55 | RS | 13C-1,2,3,4-TCDF | 100.00 | 1.27e+07 | 0.84 y | 24:41 | - | 1.00 |
| 56 | RS/RT | 13C-1,2,3,4,6,9-HxCDF | 100.00 | 7.85e+06 | 0.49 y | 33:45 | - | 1.00 |

DB

10/10/19

Run: 191009D1 Analyte: Cal: 1613VG7-10 9-19 Inst. ID. VG-7

Data filename: 191009D1

| Samp# 1 | Samp# 2 | Samp# 3 | Samp# 4 | Samp# 5 | Samp# 6 |
|---------|---------|---------|---------|---------|---------|
| 0.25 | 0.50 | 2.0 | 10 | 40 | 300 |

| Name | Mean RRF | %RSD | RRF#1 | RRF#2 | RRF#3 | RRF#4 | RRF#5 | RRF#6 |
|------------------------|----------|--------|-------|-------|-------|-------|-------|-------|
| Total Tetra-Dioxins | 0.9053 | 7.55 % | 0.84 | 0.83 | 0.87 | 0.99 | 0.92 | 0.98 |
| TCDD EMPC | 0.9053 | 7.55 % | 0.84 | 0.83 | 0.87 | 0.99 | 0.92 | 0.98 |
| Total Penta-Dioxins | 0.9027 | 4.95 % | 0.86 | 0.87 | 0.88 | 0.88 | 0.96 | 0.96 |
| PeCDD EMPC | 0.9027 | 4.95 % | 0.86 | 0.87 | 0.88 | 0.88 | 0.96 | 0.96 |
| Total Hexa-Dioxins | 0.9918 | 4.02 % | 0.95 | 0.96 | 0.99 | 0.97 | 1.02 | 1.06 |
| HxCDD EMPC | 0.9918 | 4.02 % | 0.95 | 0.96 | 0.99 | 0.97 | 1.02 | 1.06 |
| Total Hepta-Dioxins | 0.9794 | 5.84 % | 0.90 | 0.97 | 0.95 | 0.96 | 1.03 | 1.06 |
| HpCDD EMPC | 0.9794 | 5.84 % | 0.90 | 0.97 | 0.95 | 0.96 | 1.03 | 1.06 |
| Total Tetra-Furans | 0.9501 | 8.27 % | 1.09 | 0.90 | 0.89 | 0.89 | 0.95 | 0.99 |
| TCDF EMPC | 0.9501 | 8.27 % | 1.09 | 0.90 | 0.89 | 0.89 | 0.95 | 0.99 |
| 1st Func. Penta-Furans | 0.9875 | 3.40 % | 0.97 | 0.96 | 0.96 | 0.97 | 1.02 | 1.04 |
| 1st Func. PeCDF EMPC | 0.9875 | 3.40 % | 0.97 | 0.96 | 0.96 | 0.97 | 1.02 | 1.04 |
| Total Penta-Furans | 0.9875 | 3.40 % | 0.97 | 0.96 | 0.96 | 0.97 | 1.02 | 1.04 |
| PeCDF EMPC | 0.9875 | 3.40 % | 0.97 | 0.96 | 0.96 | 0.97 | 1.02 | 1.04 |
| Total Hexa-Furans | 1.1033 | 3.70 % | 1.08 | 1.06 | 1.09 | 1.09 | 1.14 | 1.17 |
| HxCDF EMPC | 1.1033 | 3.70 % | 1.08 | 1.06 | 1.09 | 1.09 | 1.14 | 1.17 |
| Total Hepta-Furans | 1.1937 | 3.56 % | 1.21 | 1.17 | 1.14 | 1.16 | 1.23 | 1.25 |
| HpCDF EMPC | 1.1937 | 3.56 % | 1.21 | 1.17 | 1.14 | 1.16 | 1.23 | 1.25 |

DB
10/10/19

Run: 191009D1

Analyte:

Cal: 1613VG7-10-9-19

Inst. ID: VG-7

Data filename: 191009D1

| | | Samp# 1 | Samp# 2 | Samp# 3 | Samp# 4 | Samp# 5 | Samp# 6 | |
|-------------------------|------------|---------|---------|---------|---------|---------|---------|-------|
| | | 0.25 | 0.50 | 2.0 | 10 | 40 | 300 | |
| | RRT Limits | | | | | | | |
| Name | Lower | Upper | RRT#1 | RRT#2 | RRT#3 | RRT#4 | RRT#5 | RRT#6 |
| 2,3,7,8-TCDD | 0.999 | -1.002 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.001 |
| 1,2,3,7,8-PeCDD | 0.999 | -1.002 | 0.999 | 1.000 | 1.001 | 1.001 | 1.001 | 1.001 |
| 1,2,3,4,7,8-HxCDD | 0.999 | -1.001 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 |
| 1,2,3,6,7,8-HxCDD | 0.998 | -1.004 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.000 |
| 1,2,3,7,8,9-HxCDD | 0.998 | -1.004 | 1.001 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 |
| 1,2,3,4,6,7,8-HpCDD | 0.999 | -1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| OCDD | 0.999 | -1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | | |
| 2,3,7,8-TCDF | 0.999 | -1.003 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.001 |
| 1,2,3,7,8-PeCDF | 0.999 | -1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 |
| 2,3,4,7,8-PeCDF | 0.999 | -1.002 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.001 |
| 1,2,3,4,7,8-HxCDF | 0.999 | -1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1,2,3,6,7,8-HxCDF | 0.997 | -1.005 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 |
| 2,3,4,6,7,8-HxCDF | 0.999 | -1.001 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.000 |
| 1,2,3,7,8,9-HxCDF | 0.999 | -1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1,2,3,4,6,7,8-HpCDF | 0.999 | -1.001 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 |
| 1,2,3,4,7,8,9-HpCDF | 0.999 | -1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| OCDF | 0.999 | -1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | | |
| 13C-2,3,7,8-TCDD | 0.976 | -1.043 | 1.022 | 1.022 | 1.022 | 1.021 | 1.021 | 1.021 |
| 13C-1,2,3,7,8-PeCDD | 1.000 | -1.567 | 1.190 | 1.189 | 1.190 | 1.189 | 1.188 | 1.188 |
| 13C-1,2,3,4,7,8-HxCDD | 1.002 | -1.026 | 1.014 | 1.014 | 1.014 | 1.014 | 1.014 | 1.014 |
| 13C-1,2,3,6,7,8-HxCDD | 1.007 | -1.029 | 1.017 | 1.018 | 1.018 | 1.017 | 1.017 | 1.018 |
| 13C-1,2,3,7,8,9-HxCDD | 1.014 | -1.038 | 1.027 | 1.027 | 1.027 | 1.027 | 1.027 | 1.027 |
| 13C-1,2,3,4,6,7,8-HpCDD | 1.117 | -1.141 | 1.127 | 1.127 | 1.128 | 1.127 | 1.127 | 1.127 |
| 13C-OCDD | 1.085 | -1.365 | 1.227 | 1.227 | 1.228 | 1.227 | 1.227 | 1.227 |
| 13C-2,3,7,8-TCDF | 0.923 | -1.103 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 |
| 13C-1,2,3,7,8-PeCDF | 1.000 | -1.425 | 1.146 | 1.146 | 1.146 | 1.145 | 1.145 | 1.144 |
| 13C-2,3,4,7,8-PeCDF | 1.011 | -1.526 | 1.180 | 1.179 | 1.180 | 1.179 | 1.178 | 1.178 |
| 13C-1,2,3,4,7,8-HxCDF | 0.975 | -1.001 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 |
| 13C-1,2,3,6,7,8-HxCDF | 0.979 | -1.005 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 |
| 13C-2,3,4,6,7,8-HxCDF | 1.001 | -1.020 | 1.010 | 1.010 | 1.010 | 1.009 | 1.009 | 1.010 |
| 13C-1,2,3,7,8,9-HxCDF | 1.002 | -1.072 | 1.040 | 1.040 | 1.040 | 1.039 | 1.039 | 1.039 |
| 13C-1,2,3,4,6,7,8-HpCDF | 1.069 | -1.111 | 1.093 | 1.093 | 1.094 | 1.093 | 1.093 | 1.093 |
| 13C-1,2,3,4,7,8,9-HpCDF | 1.098 | -1.192 | 1.145 | 1.145 | 1.145 | 1.145 | 1.144 | 1.144 |
| 13C-OCDF | 1.091 | -1.371 | 1.235 | 1.234 | 1.235 | 1.235 | 1.234 | 1.234 |
| | | | | | | | | |
| 37Cl-2,3,7,8-TCDD | 0.989 | -1.052 | 1.022 | 1.021 | 1.022 | 1.022 | 1.022 | 1.022 |
| | | | | | | | | |
| 13C-1,2,3,4-TCDD | 0.000 | -0.000 | * | * | * | * | * | * |
| 13C-1,2,3,4-TCDF | 0.000 | -0.000 | * | * | * | * | * | * |
| 13C-1,2,3,4,6,9-HxCDF | 0.000 | -0.000 | * | * | * | * | * | * |

D)B
10/10/19

FORM 5

PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Instrument ID: VG-7 Initial Calibration Date: 10-9-19

RT Window Data Filename: 191009D1 S#4 Analysis Date: 9-OCT-19 Time: 18:36:09

ZB-5MS IS Data Filename: 191009D1 S#4 Analysis Date: 9-OCT-19 Time: 18:36:09

DB_225 IS Data Filename: Analysis Date: Time:

ZB-5MS RT WINDOW DEFINING STANDARDS RESULTS

| ISOMERS | ABSOLUTE RT | ISOMERS | ABSOLUTE RT |
|-------------------------|-------------|-------------------------|-------------|
| 1,3,6,8-TCDD (F) | 23:24 | 1,3,6,8-TCDF (F) | 21:25 |
| 1,2,8,9-TCDD (L) | 27:24 | 1,2,8,9-TCDF (L) | 27:33 |
| 1,2,4,7,9-PeCDD (F) | 28:55 | 1,3,4,6,8-PeCDF (F) | 27:28 |
| 1,2,3,8,9-PeCDD (L) | 31:17 | 1,2,3,8,9-PeCDF (L) | 31:32 |
| 1,2,4,6,7,9-HxCDD (F) | 32:41 | 1,2,3,4,6,8-HxCDF (F) | 32:08 |
| 1,2,3,7,8,9-HxCDD (L) | 34:42 | 1,2,3,7,8,9-HxCDF (L) | 35:07 |
| 1,2,3,4,6,7,9-HpCDD (F) | 37:16 | 1,2,3,4,6,7,8-HpCDF (F) | 36:57 |
| 1,2,3,4,6,7,8-HpCDD (L) | 38:05 | 1,2,3,4,7,8,9-HpCDF (L) | 38:41 |

(F) = First eluting isomer (ZB-5MS); (L) = Last eluting isomer (ZB-5MS).

=====

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

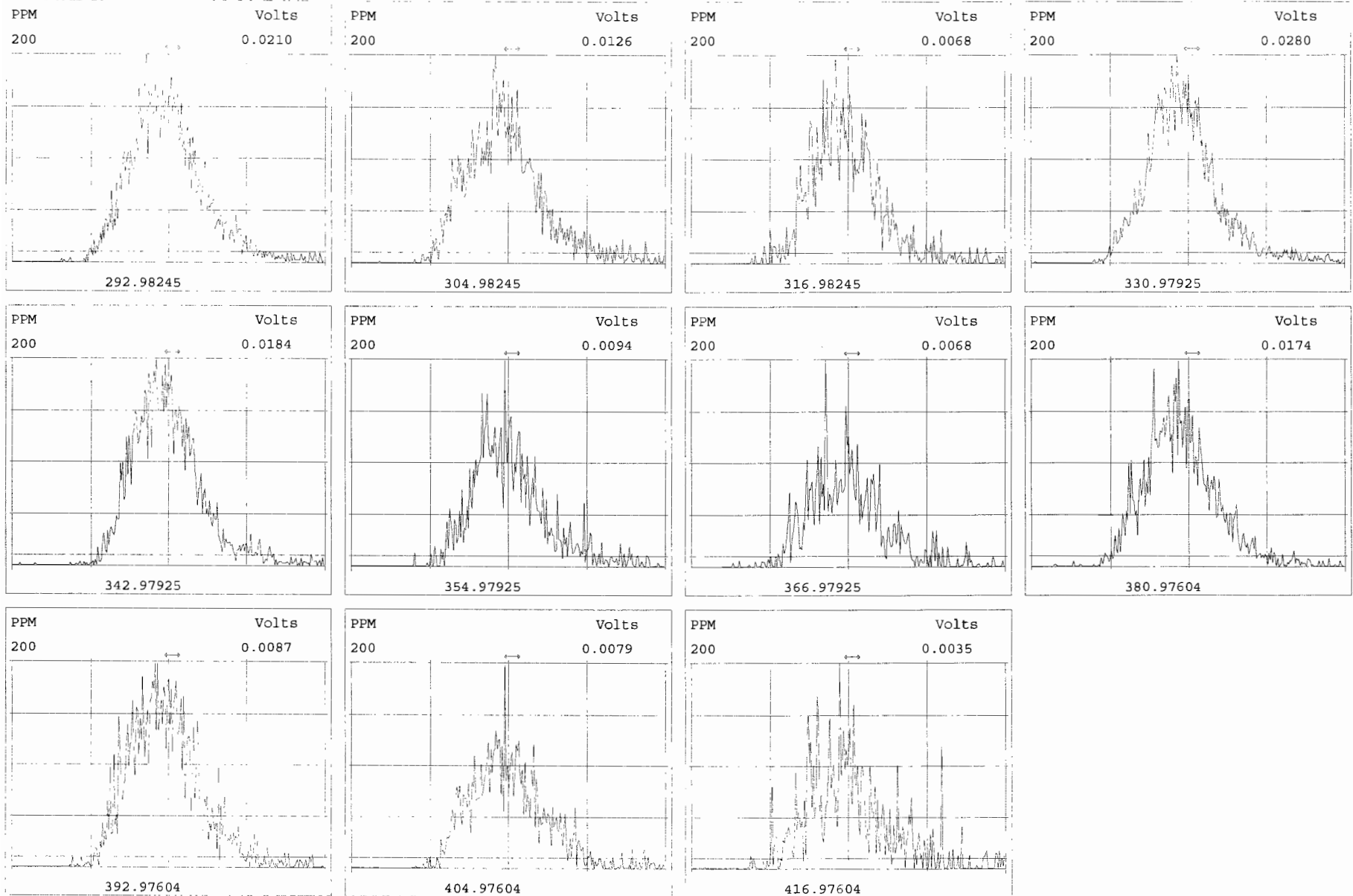
% VALLEY HEIGHT
BETWEEN
COMPARED PEAKS (1)

<25%

(1) To meet contract requirements, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

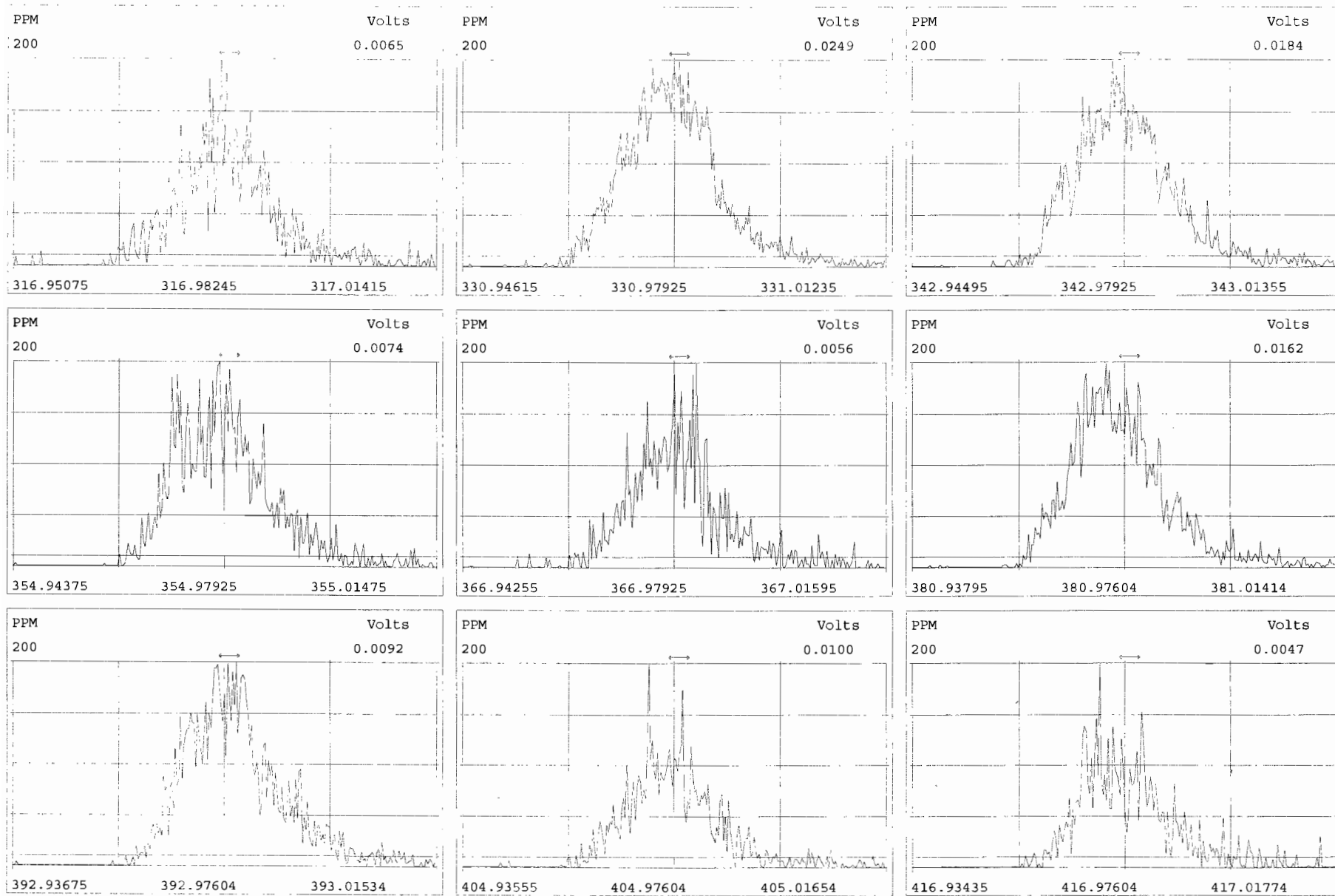
Analyst: DB

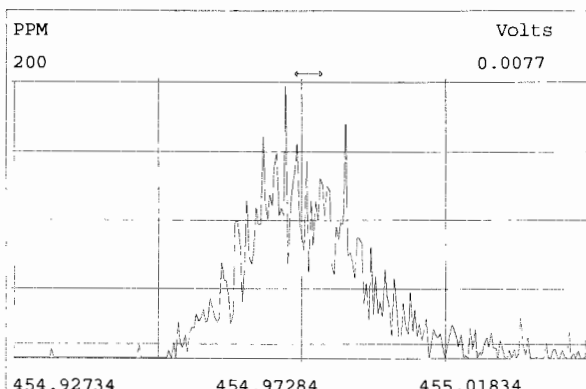
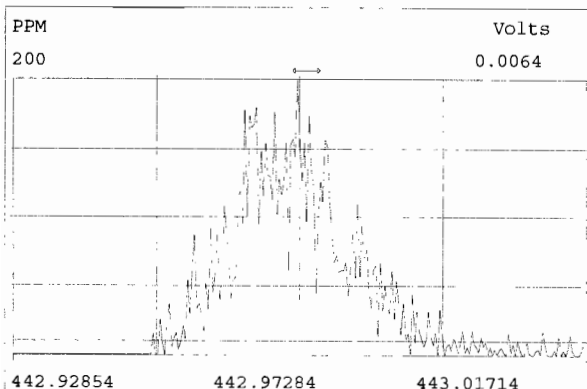
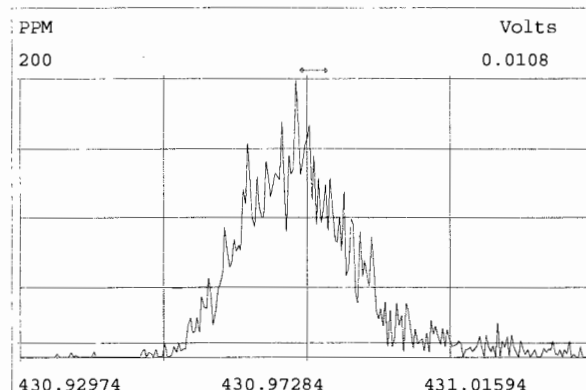
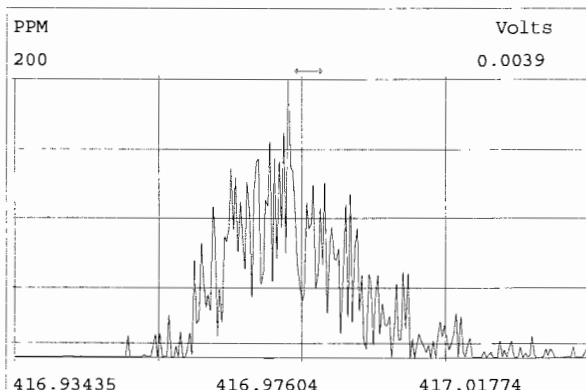
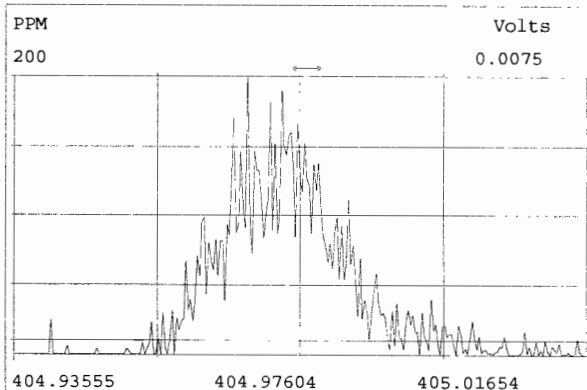
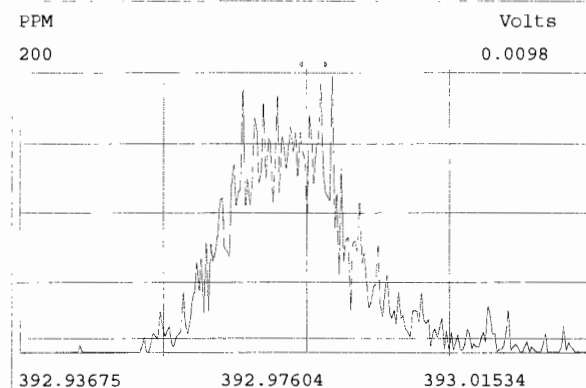
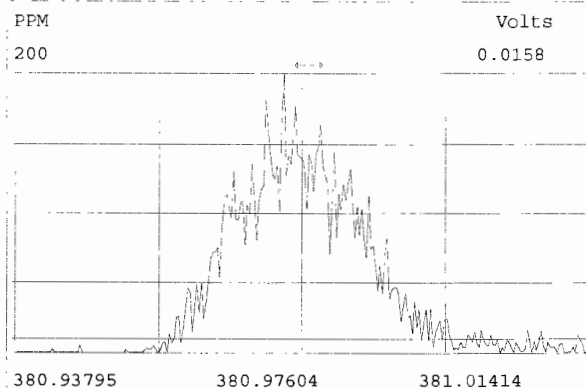
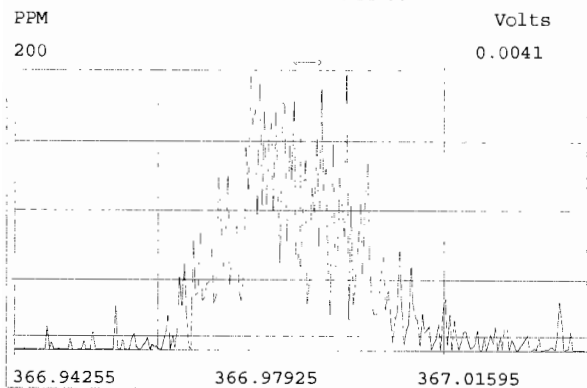
Date: 10/10/19

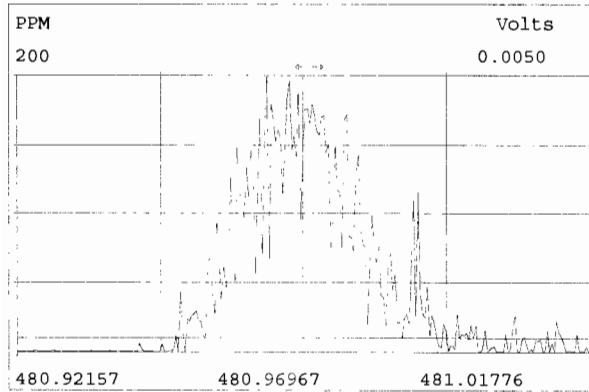
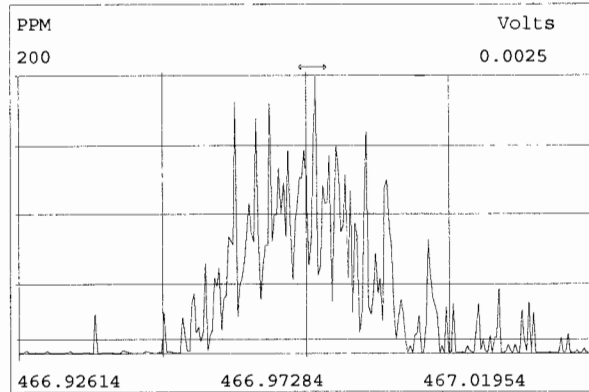
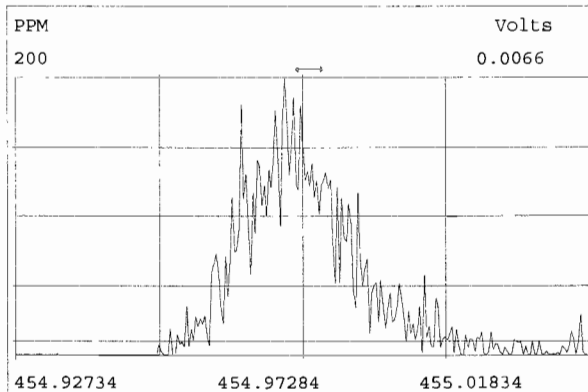
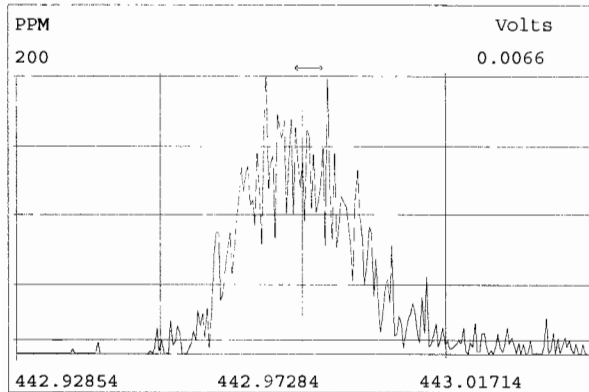
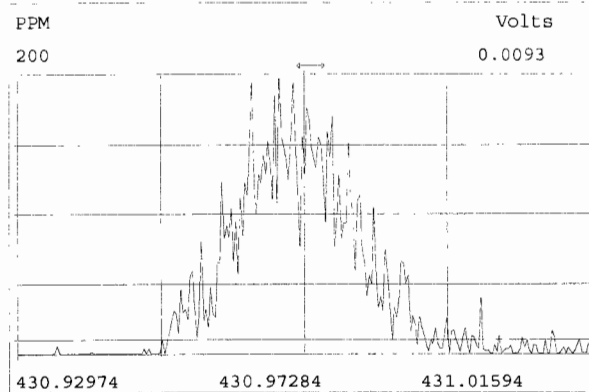
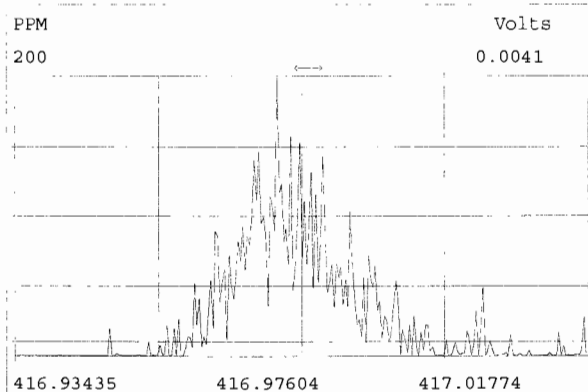
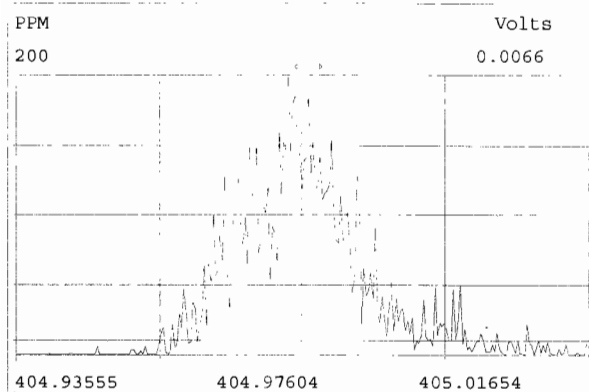


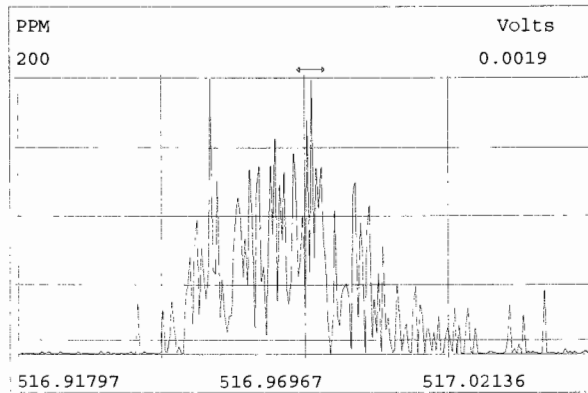
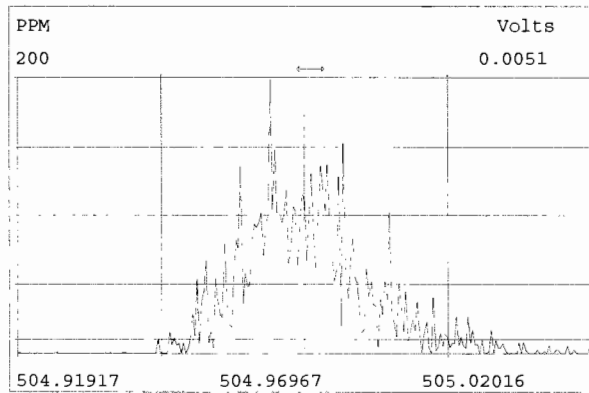
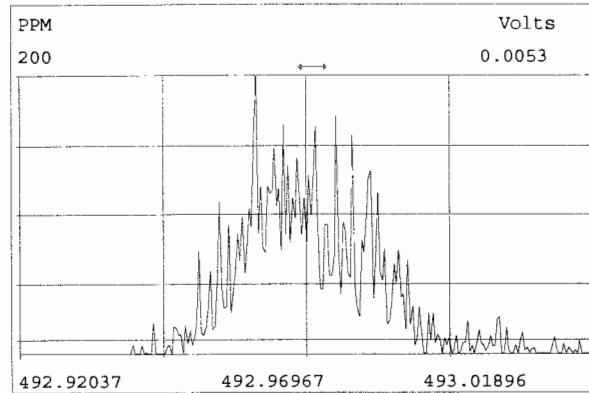
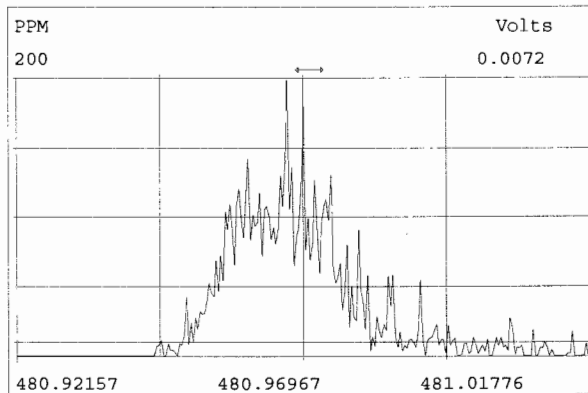
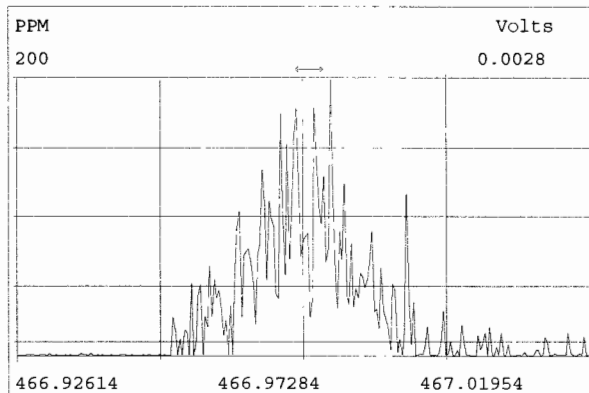
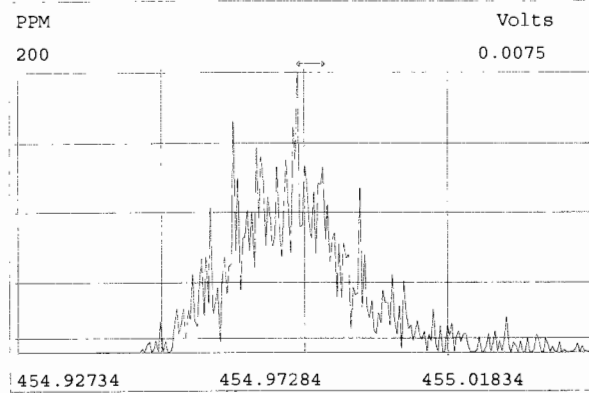
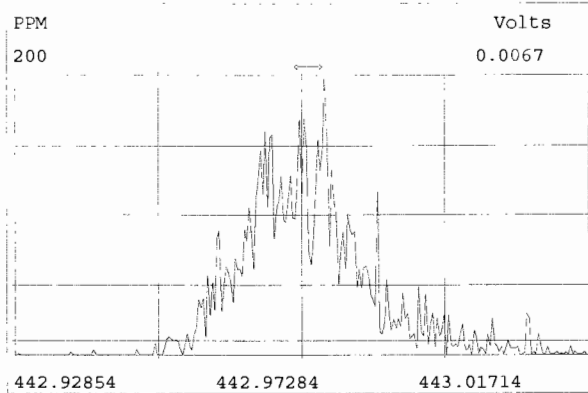
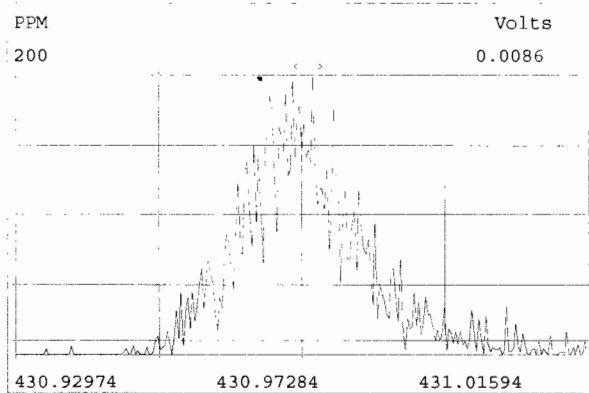
Peak Locate Examination: 9-OCT-2019:16:10 File:191009D1

Experiment:OCDD_DB5 Function:2 Reference:PFK





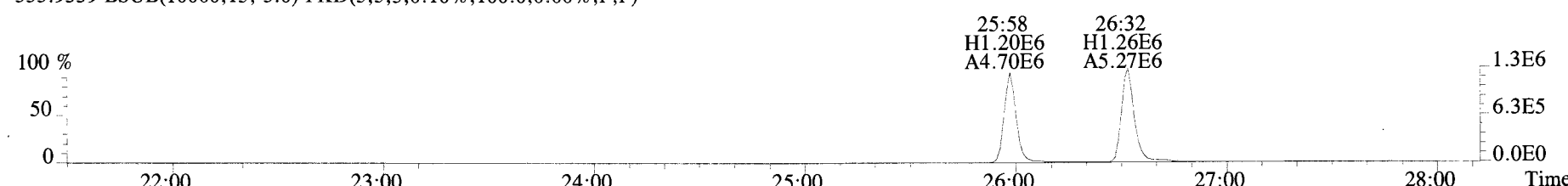
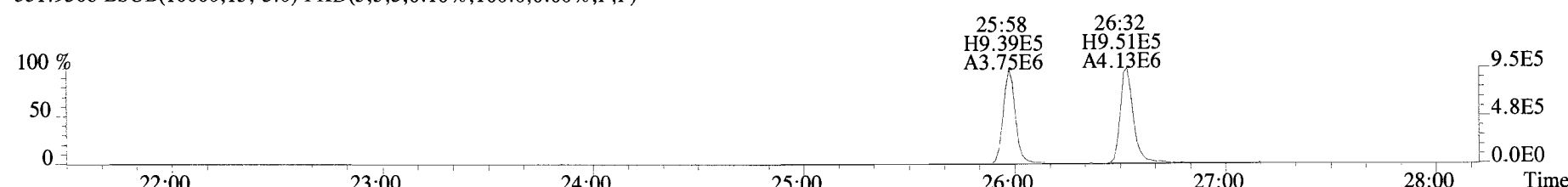
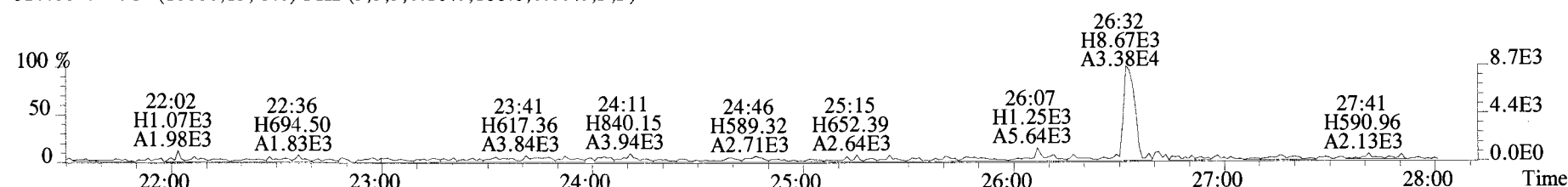
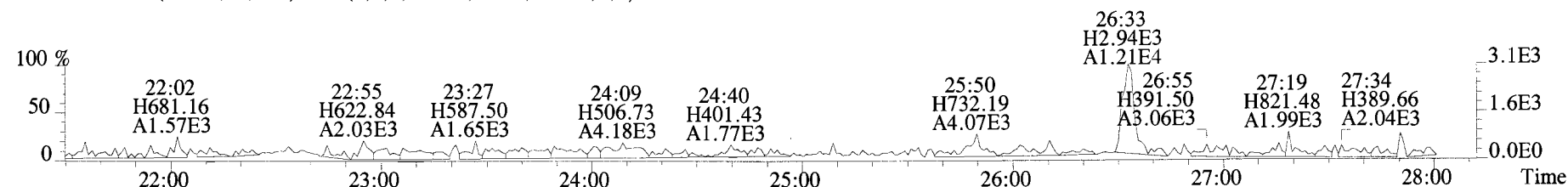
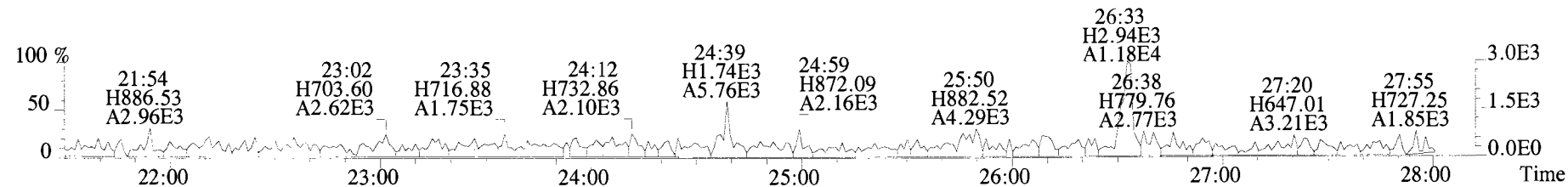




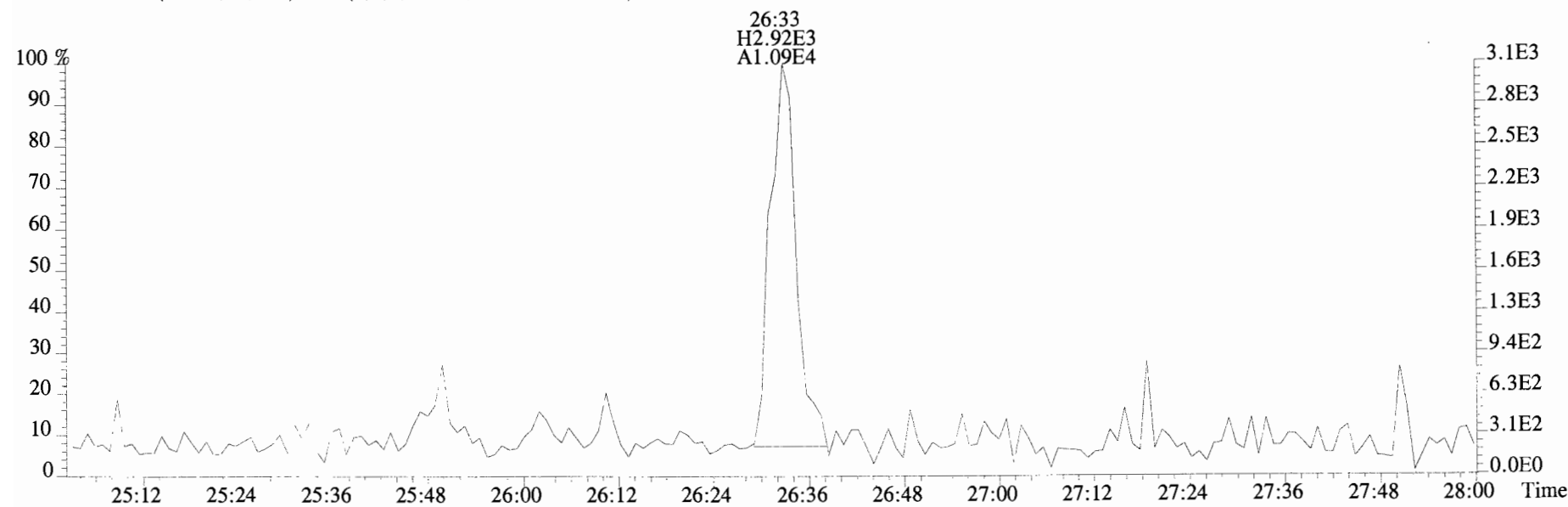
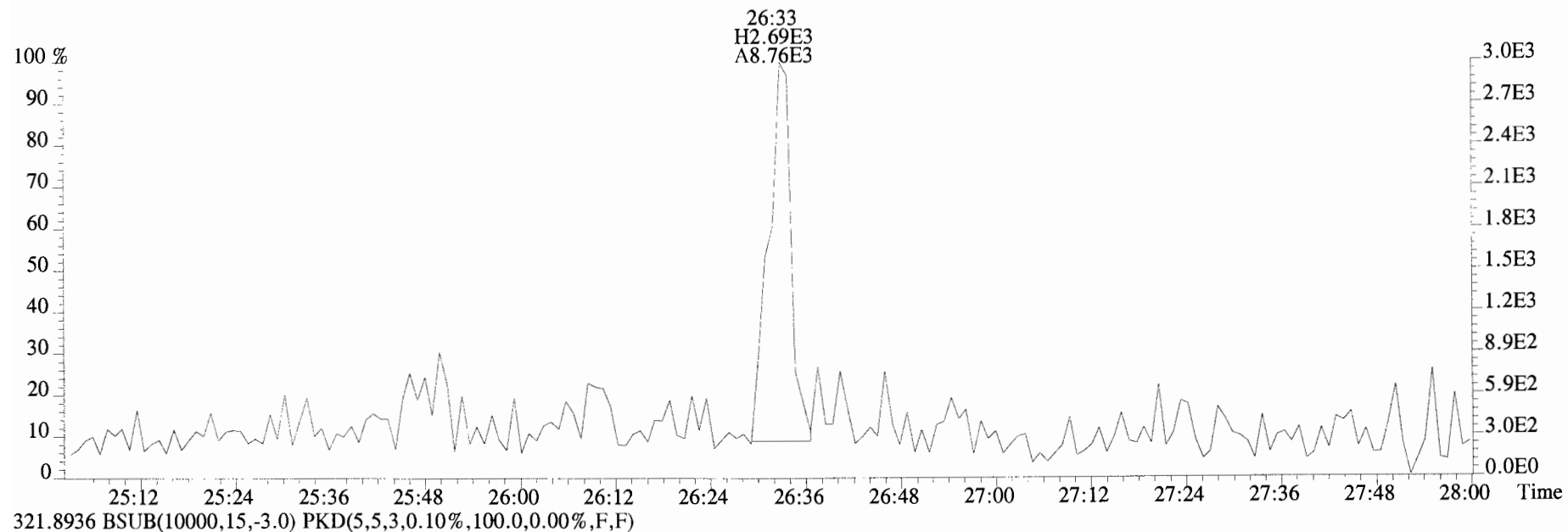
Vista Analytical Laboratory - Injection Log Run file: 191009D1 Instrument ID: VG-7 GC Column ID: ZB-5MS

| Data file | S# | Sample ID | Analyst | Acq date | Acq time | CCal | ECal |
|-----------|----|-----------------|---------|-----------|----------|--------------|------|
| 191009D1 | 1 | ST191009D1-1 | DB | 9-OCT-19 | 16:13:04 | ST191009D1-4 | NA |
| 191009D1 | 2 | ST191009D1-2 | DB | 9-OCT-19 | 17:00:45 | ST191009D1-4 | NA |
| 191009D1 | 3 | ST191009D1-3 | DB | 9-OCT-19 | 17:48:27 | ST191009D1-4 | NA |
| 191009D1 | 4 | ST191009D1-4 | DB | 9-OCT-19 | 18:36:09 | ST191009D1-4 | NA |
| 191009D1 | 5 | ST191009D1-5 | DB | 9-OCT-19 | 19:23:46 | ST191009D1-4 | NA |
| 191009D1 | 6 | ST191009D1-6 | DB | 9-OCT-19 | 20:11:17 | ST191009D1-4 | NA |
| 191009D1 | 7 | SOLVENT BLANK | DB | 9-OCT-19 | 20:58:57 | ST191009D1-4 | NA |
| 191009D1 | 8 | SS191009D1-1 | DB | 9-OCT-19 | 21:46:34 | ST191009D1-4 | NA |
| 191009D1 | 9 | B9J0001-BS1 | DB | 9-OCT-19 | 22:34:09 | ST191009D1-4 | NA |
| 191009D1 | 10 | SOLVENT BLANK | DB | 9-OCT-19 | 23:21:45 | ST191009D1-4 | NA |
| 191009D1 | 11 | B9J0001-BLK1 | DB | 10-OCT-19 | 00:09:30 | ST191009D1-4 | NA |
| 191009D1 | 12 | QC191007D1-1 | DB | 10-OCT-19 | 00:57:00 | ST191009D1-4 | NA |
| 191009D1 | 13 | 1903285-08 | DB | 10-OCT-19 | 01:44:36 | ST191009D1-4 | NA |
| 191009D1 | 14 | 1903285-09 | DB | 10-OCT-19 | 02:32:11 | ST191009D1-4 | NA |
| 191009D1 | 15 | 1903285-10 | DB | 10-OCT-19 | 03:19:47 | ST191009D1-4 | NA |
| 191009D1 | 16 | 1903103-02@5X | DB | 10-OCT-19 | 04:07:23 | ST191009D1-4 | NA |
| 191009D1 | 17 | 1903103-01@5X | DB | 10-OCT-19 | 04:54:54 | ST191009D1-4 | NA |
| 191009D1 | 18 | B9I0240-DUP1@5X | DB | 10-OCT-19 | 05:42:38 | ST191009D1-4 | NA |

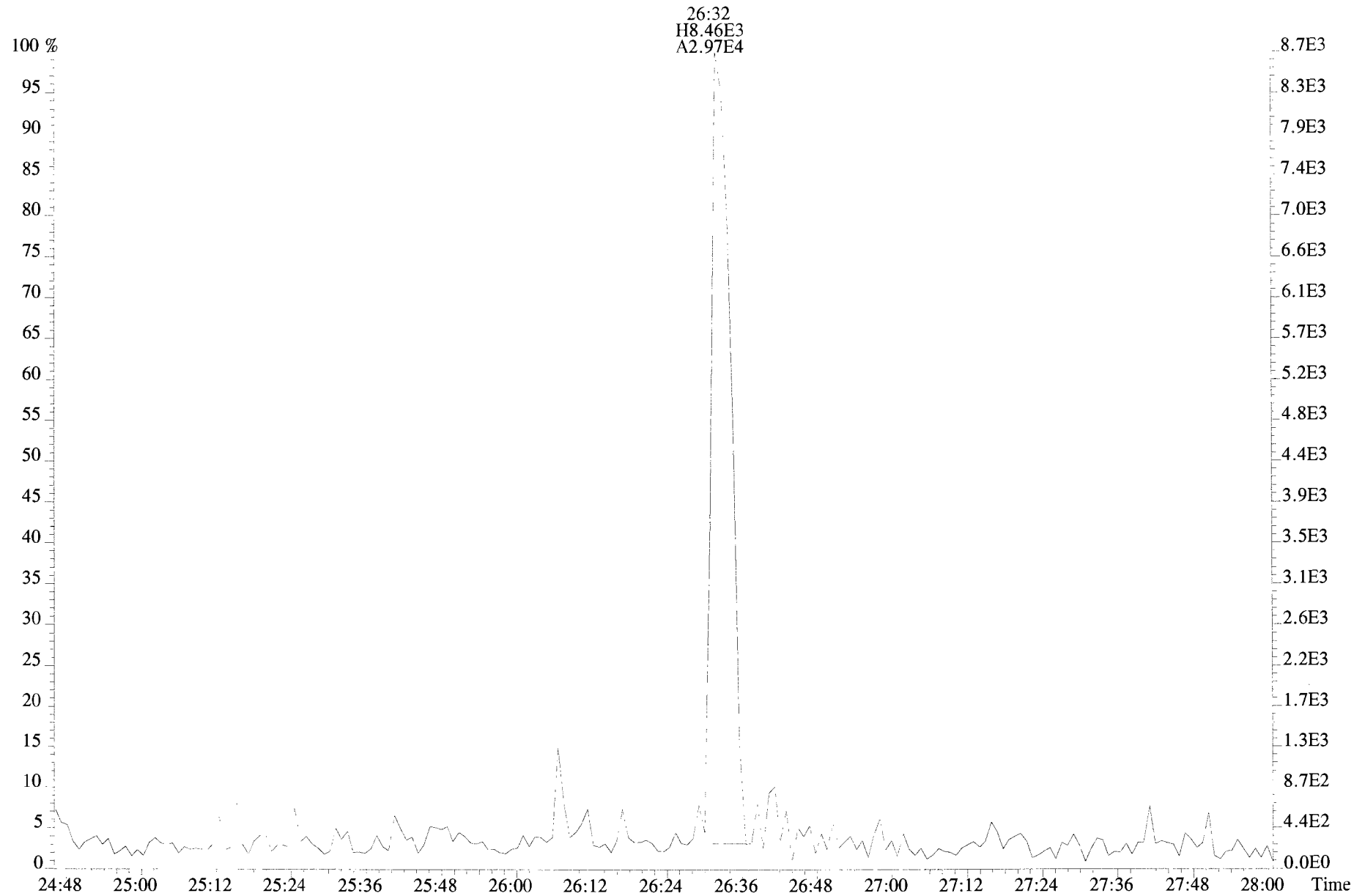
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



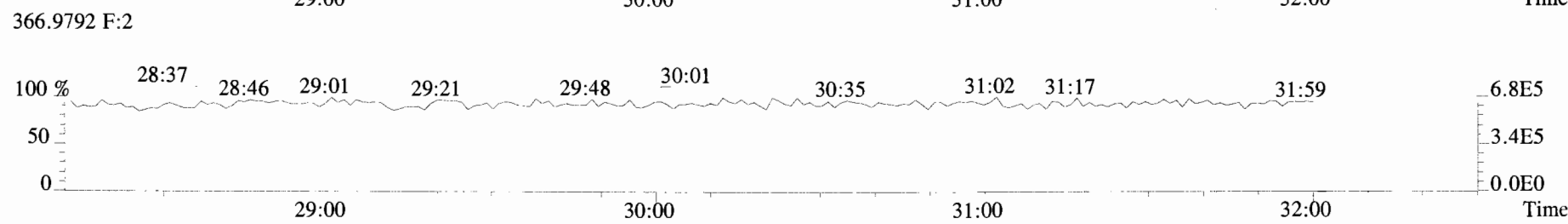
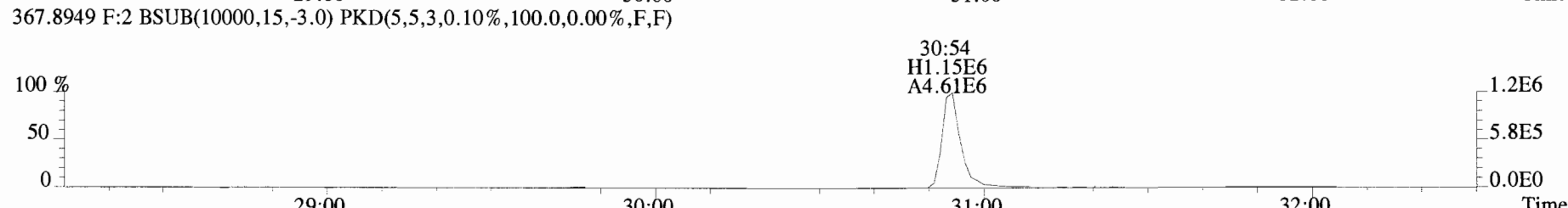
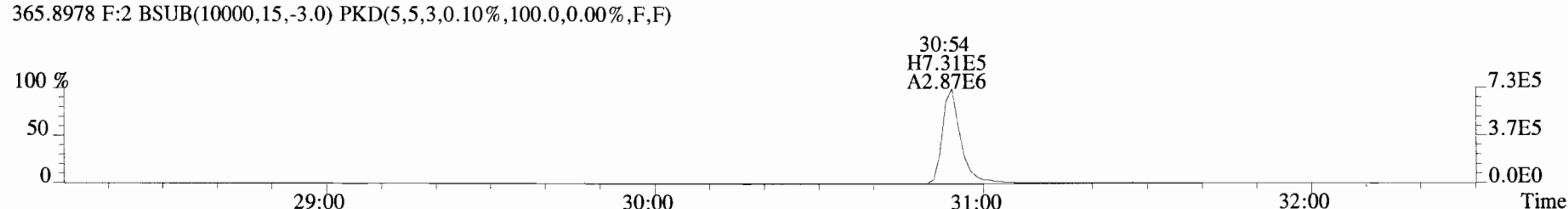
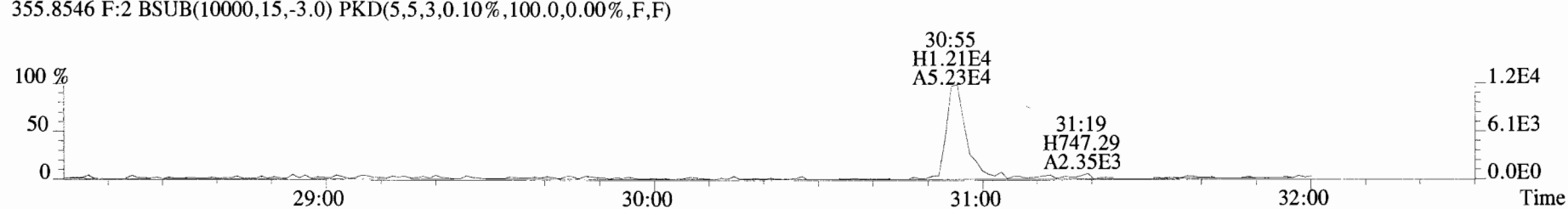
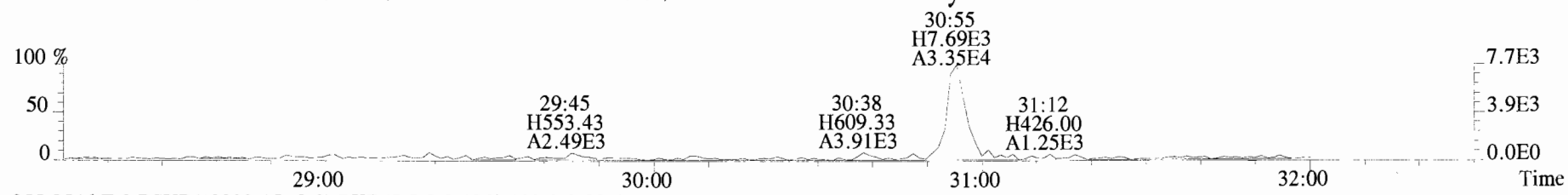
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



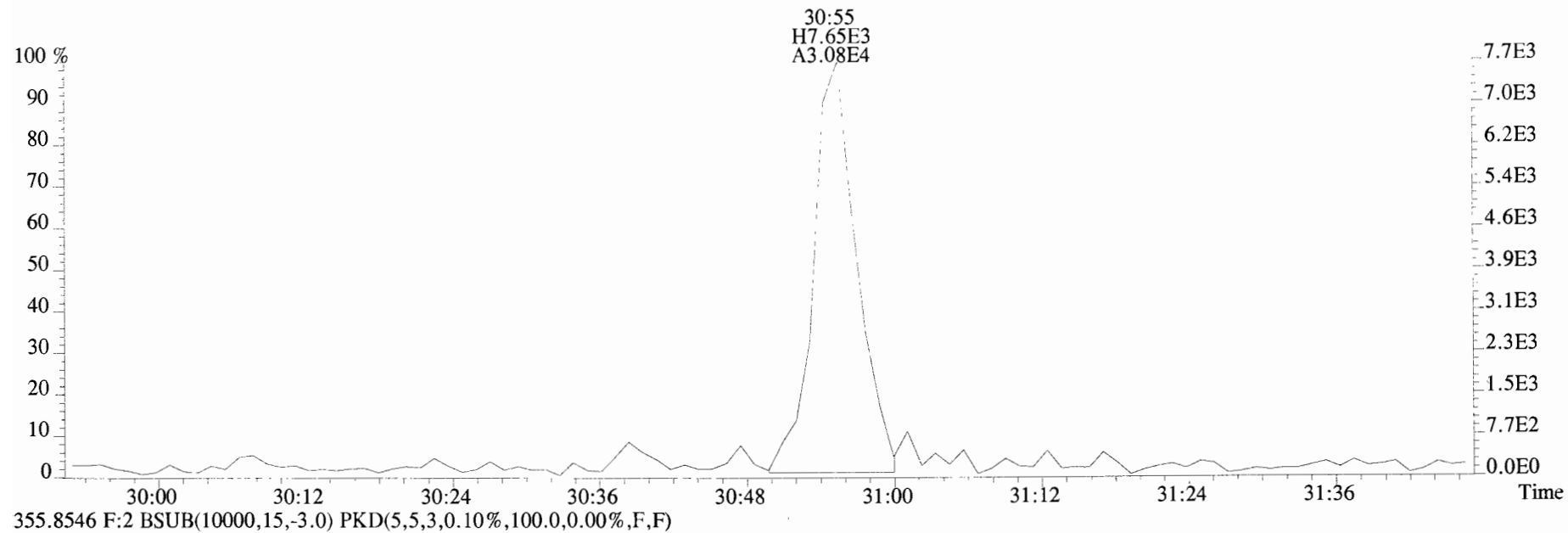
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
327.8847 BSUB(10000,15,-3.0)



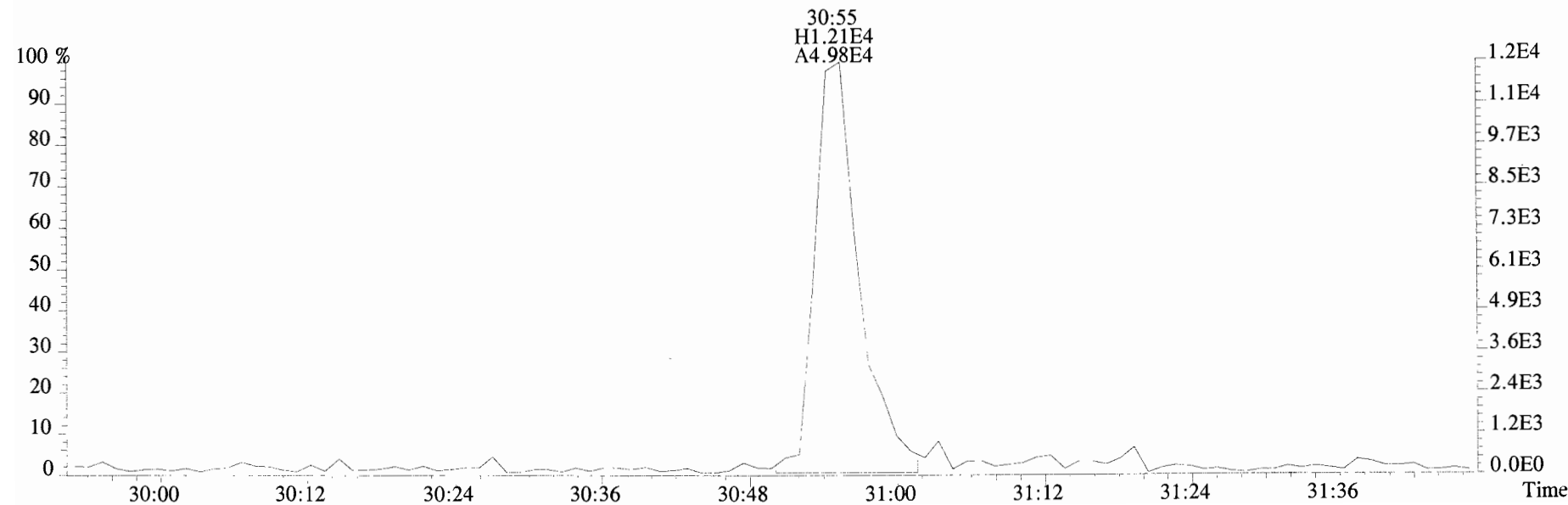
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



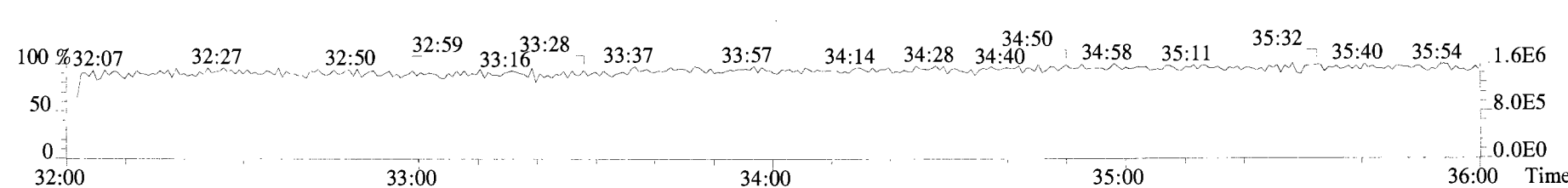
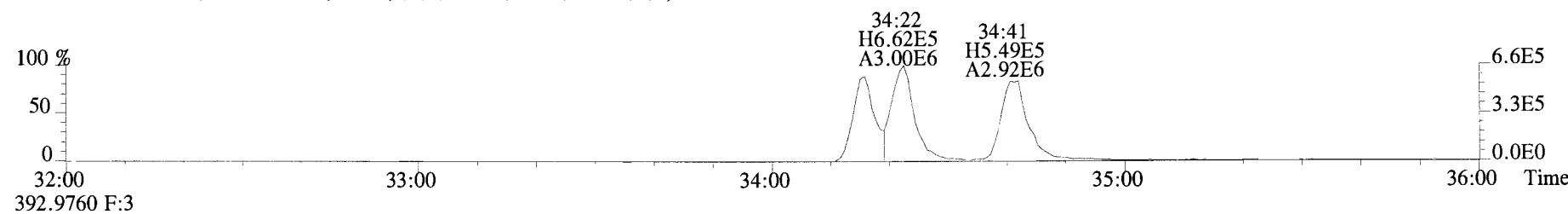
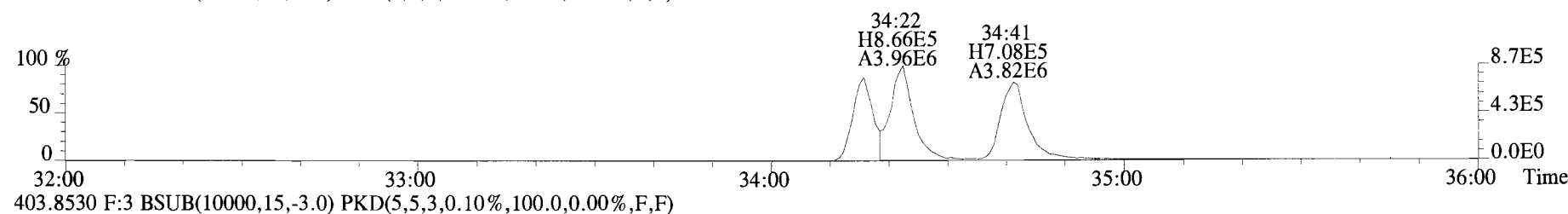
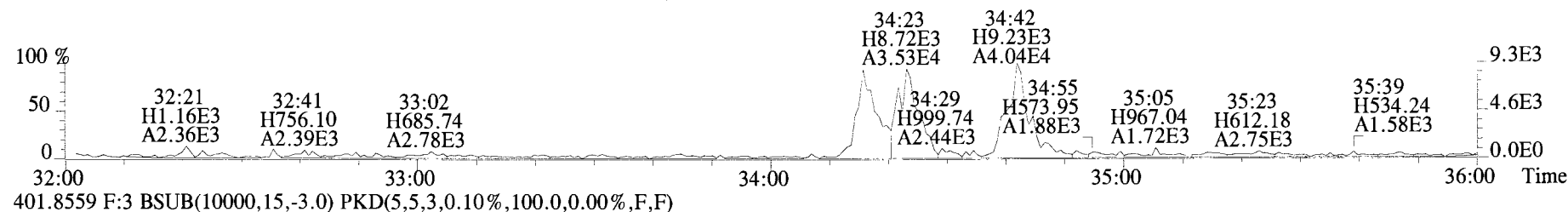
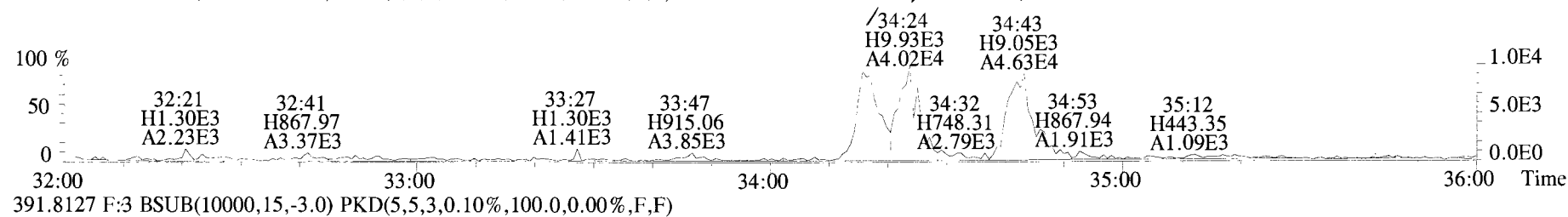
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



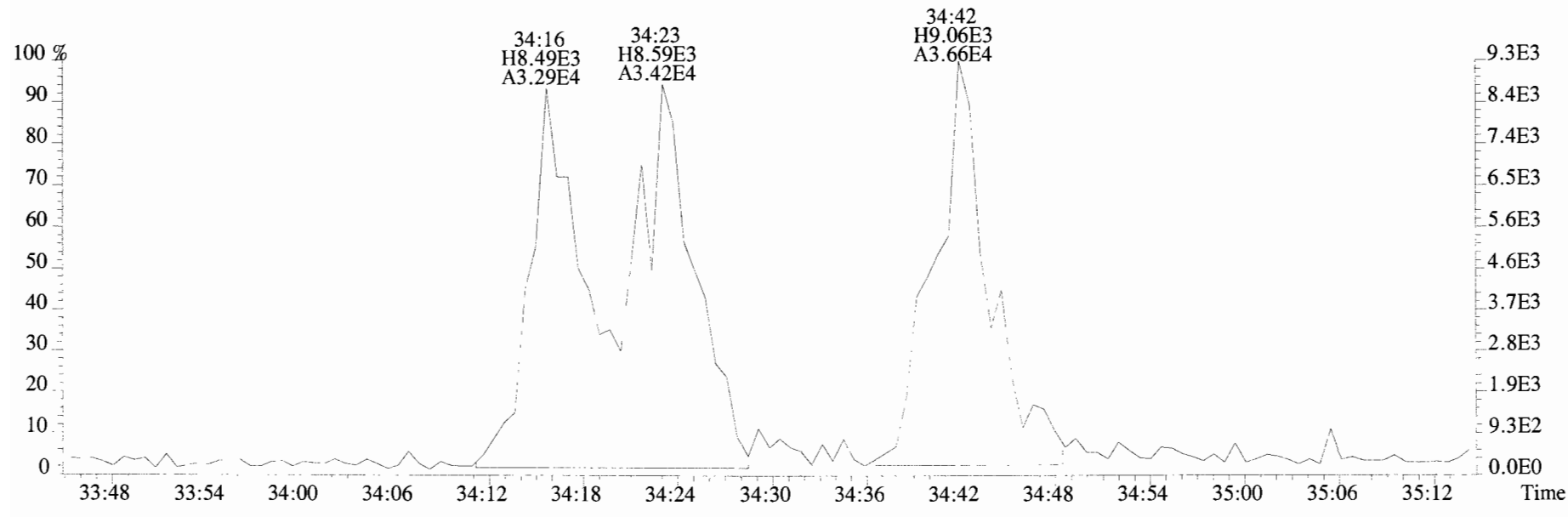
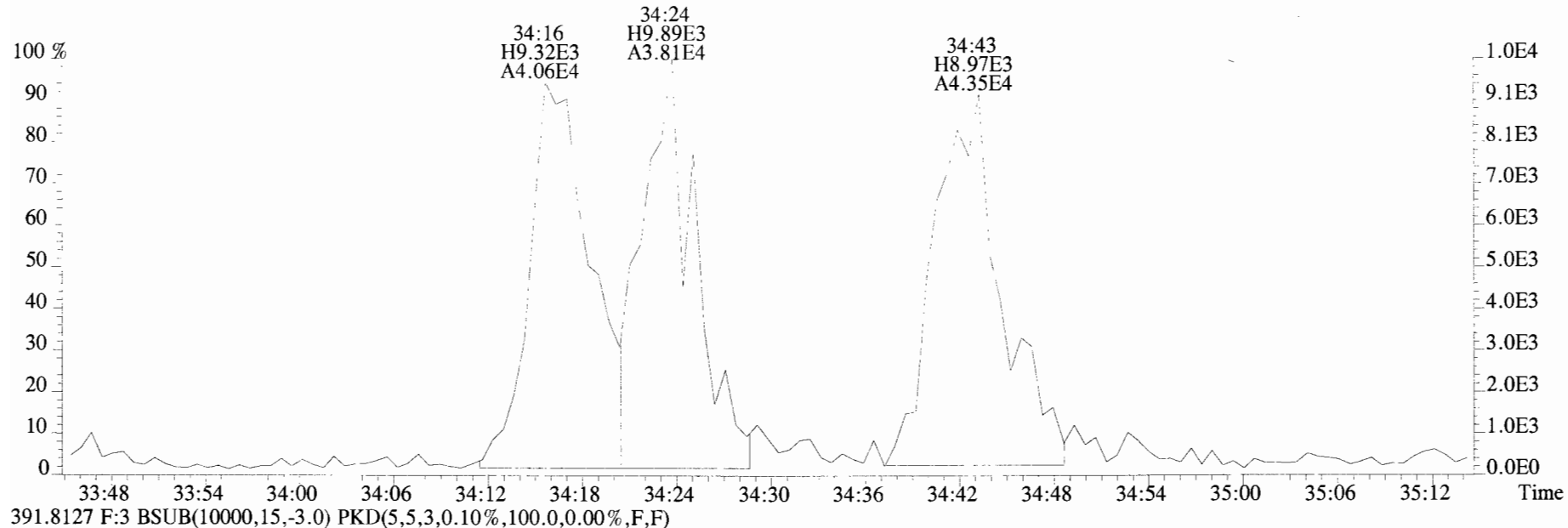
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



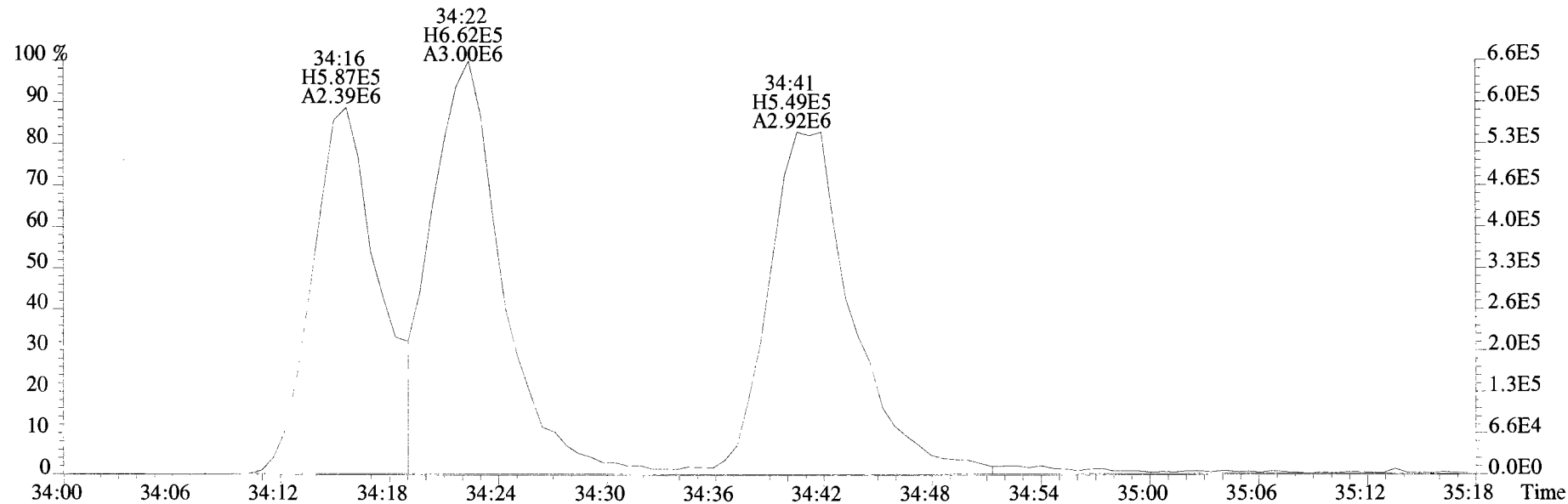
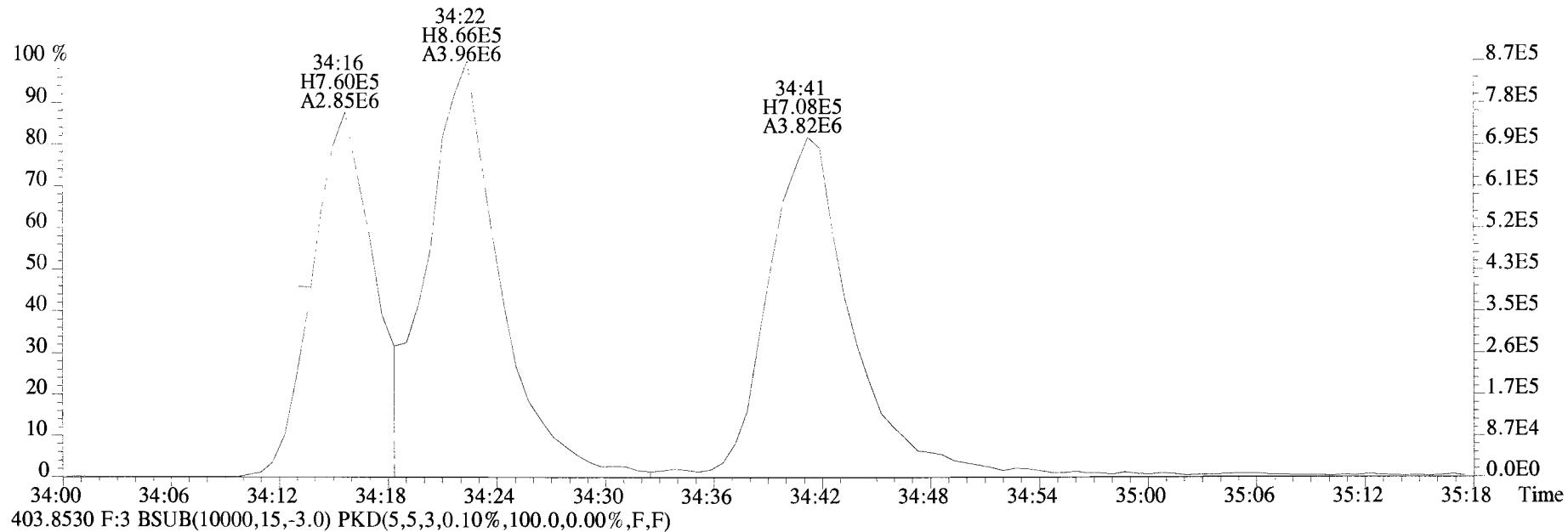
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



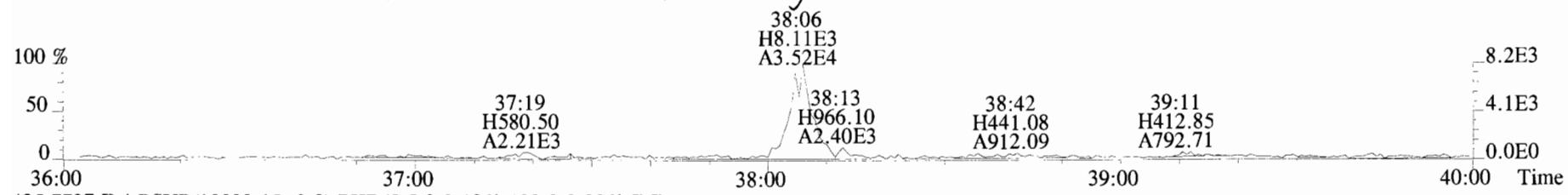
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



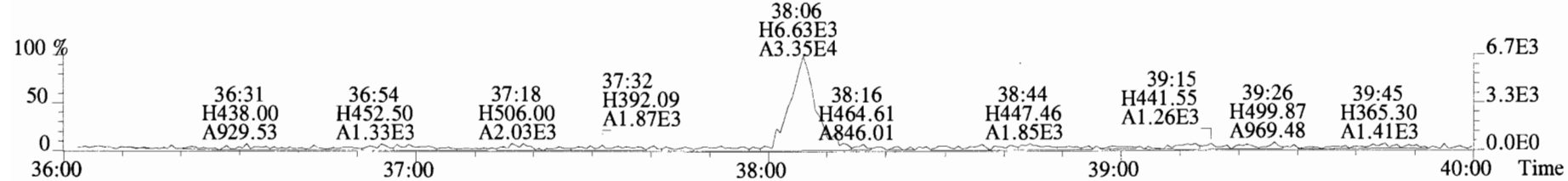
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



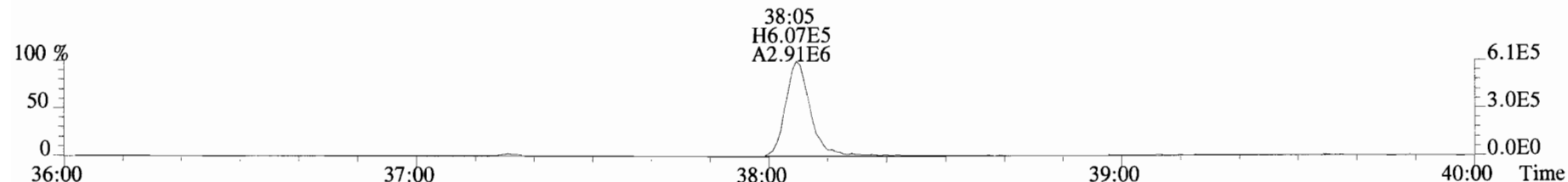
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



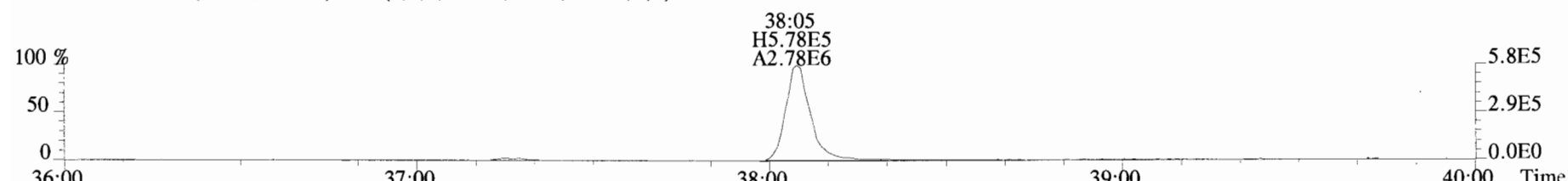
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



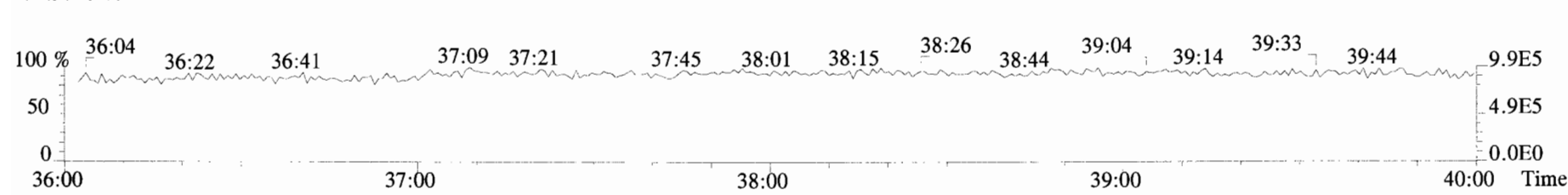
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



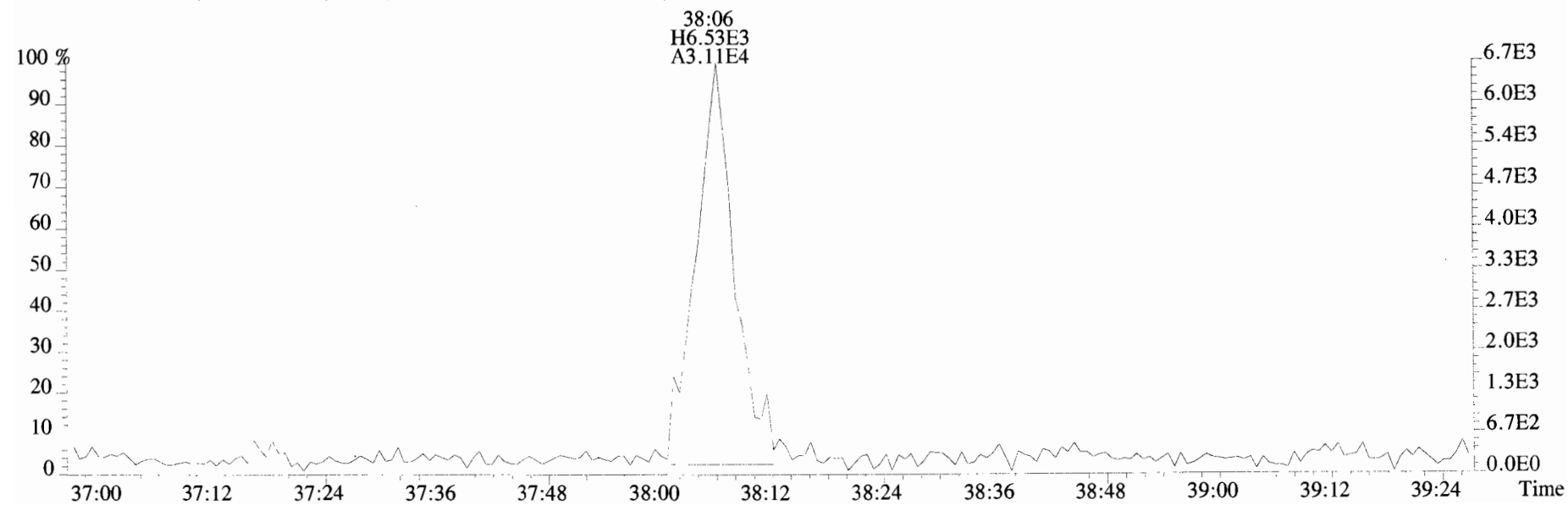
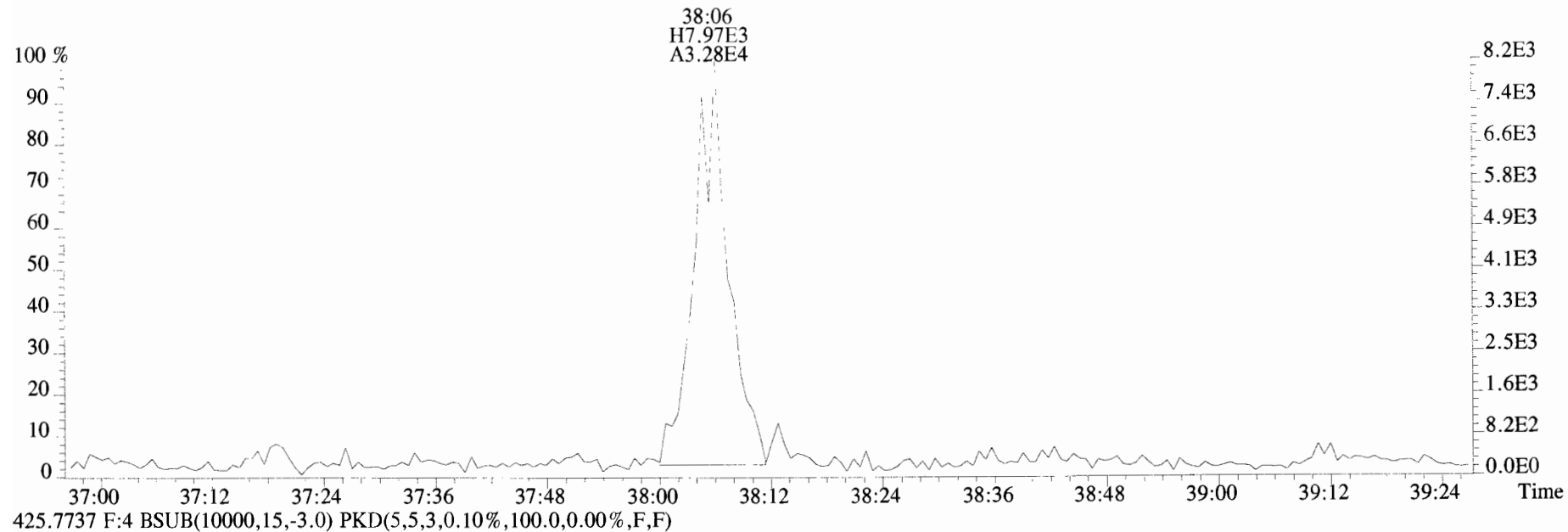
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



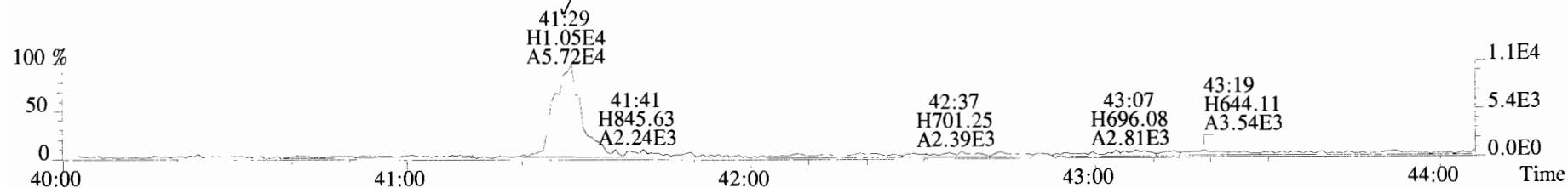
454.9728 F:4



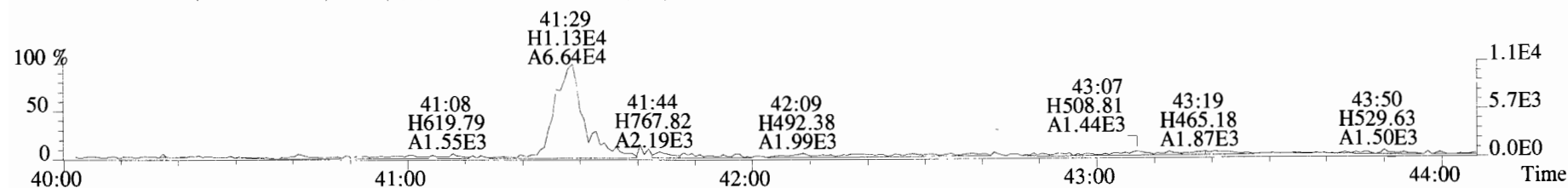
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



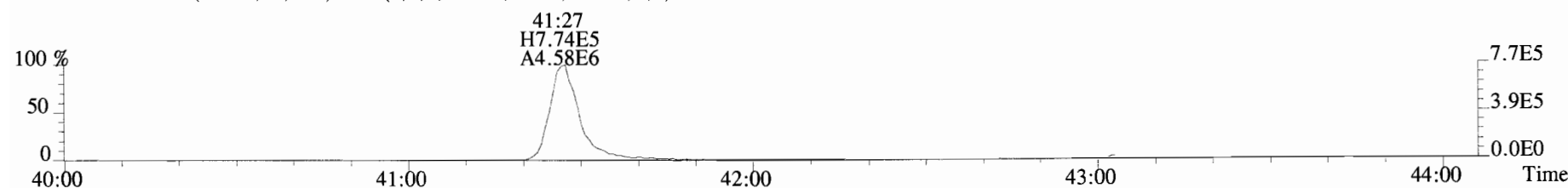
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



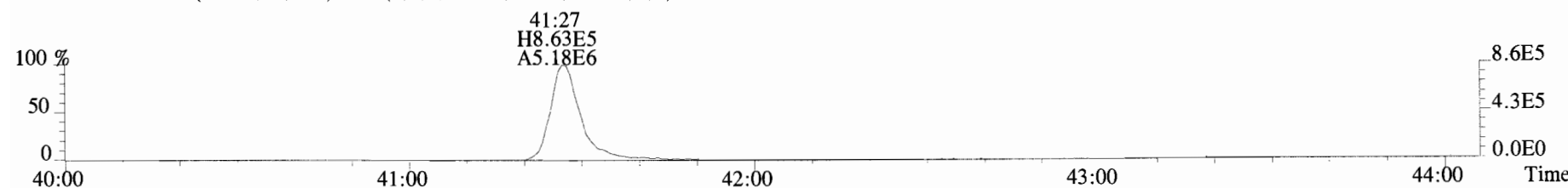
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



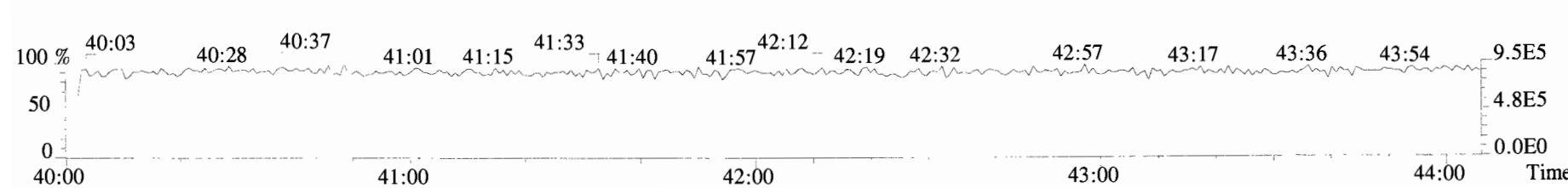
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



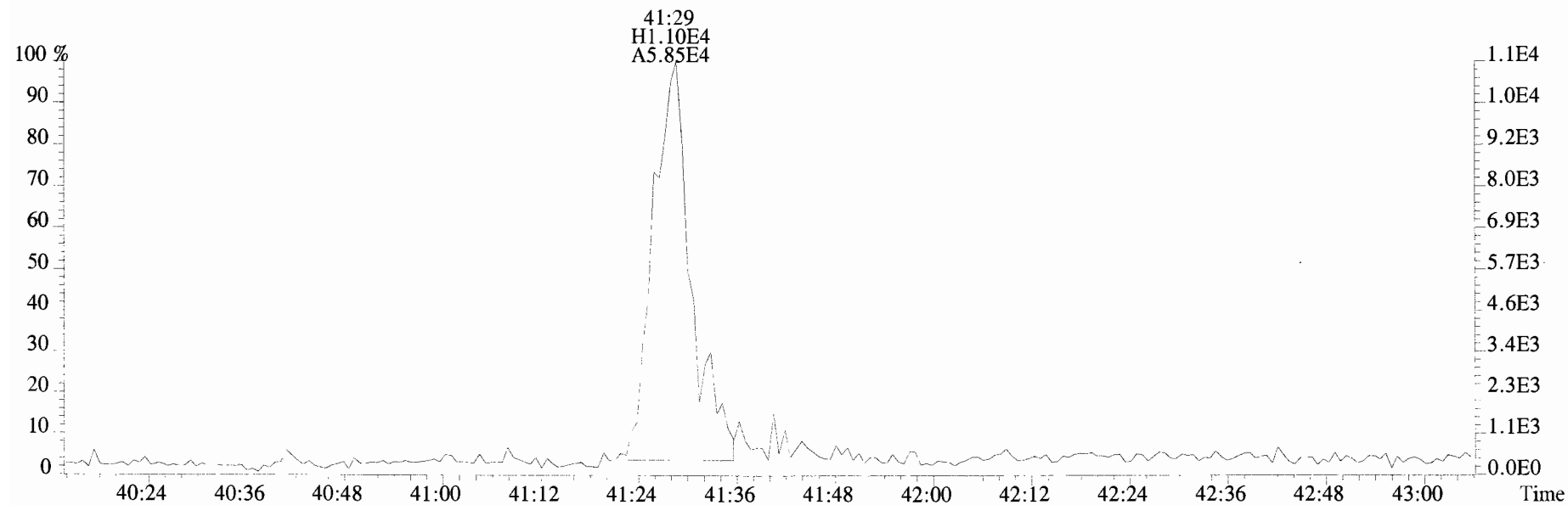
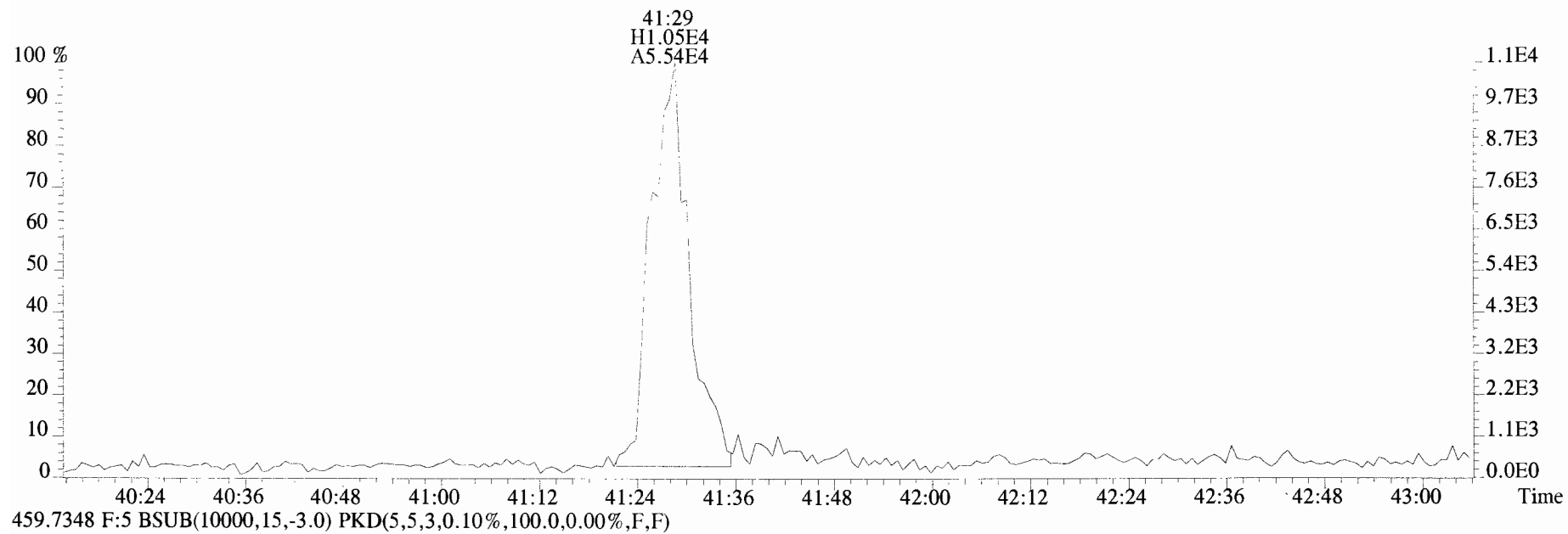
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



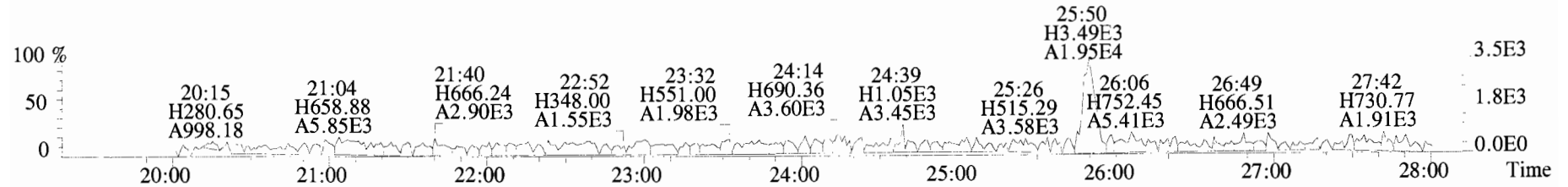
454.9728 F:5



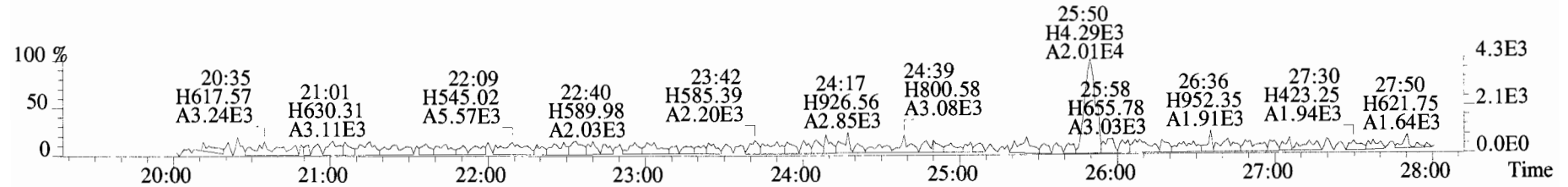
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



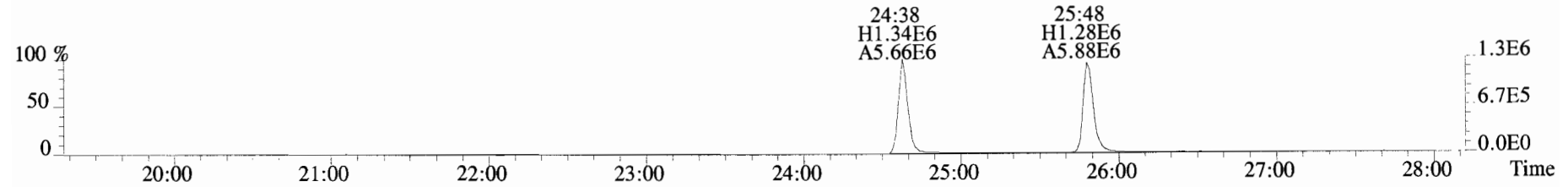
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



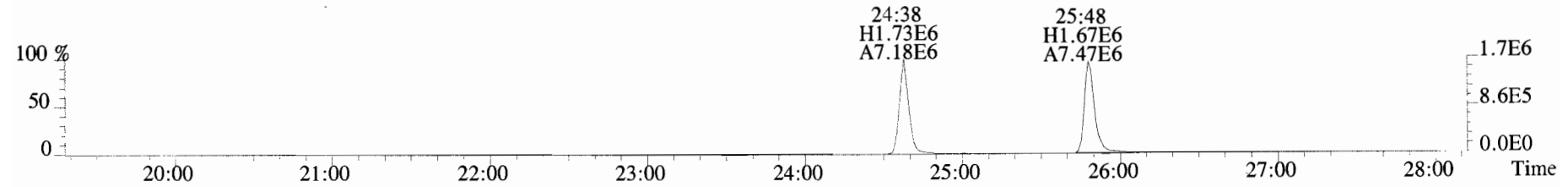
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



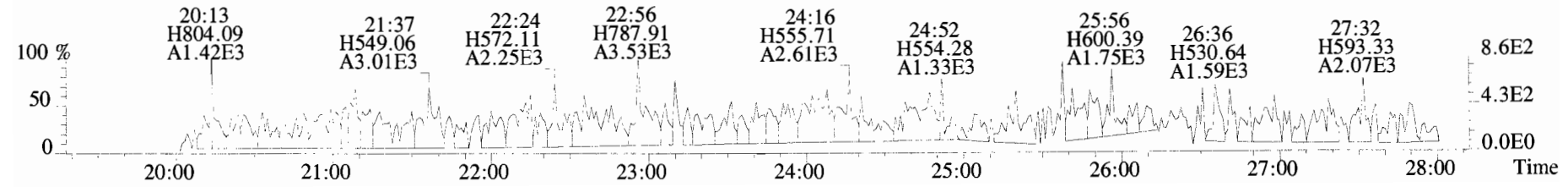
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



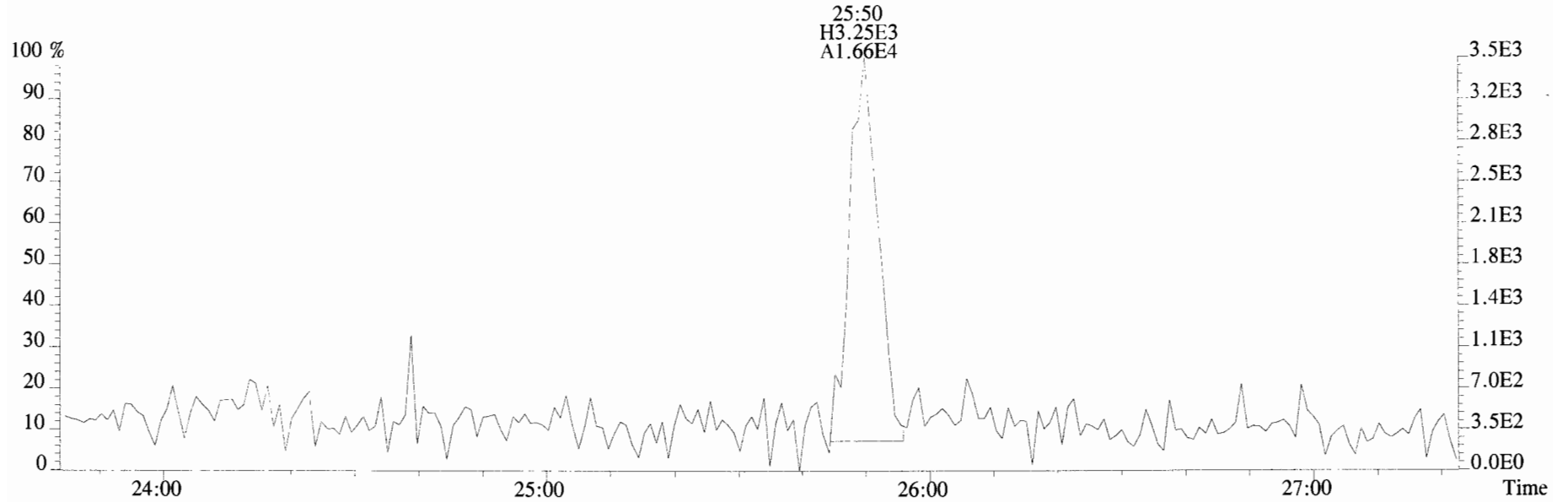
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



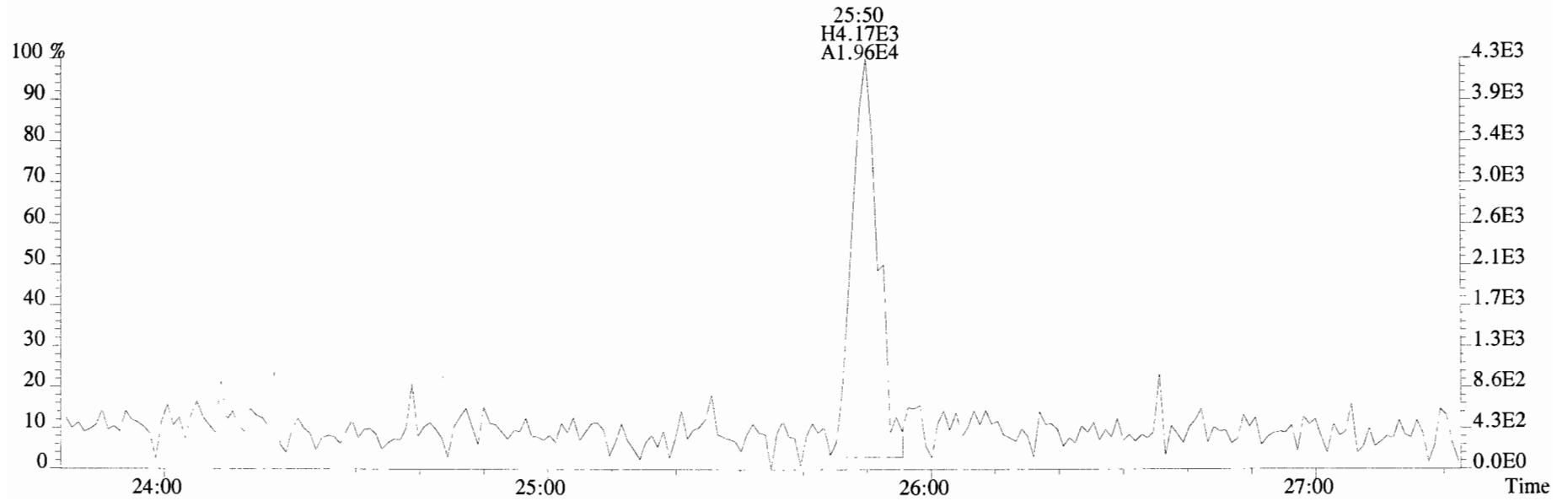
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



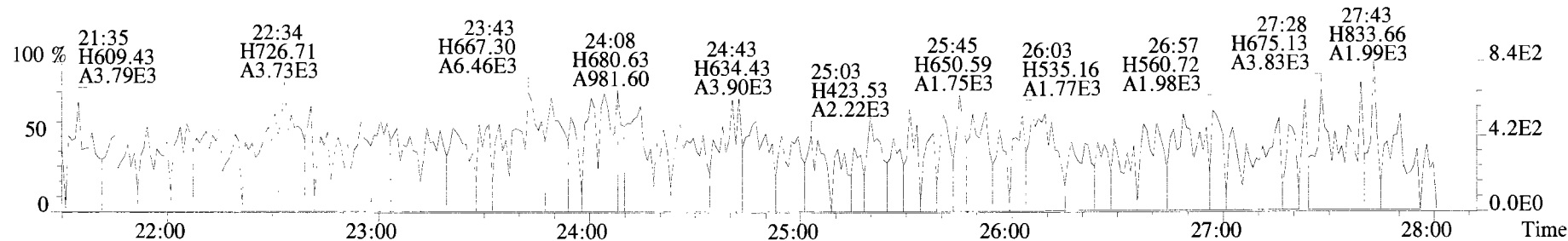
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



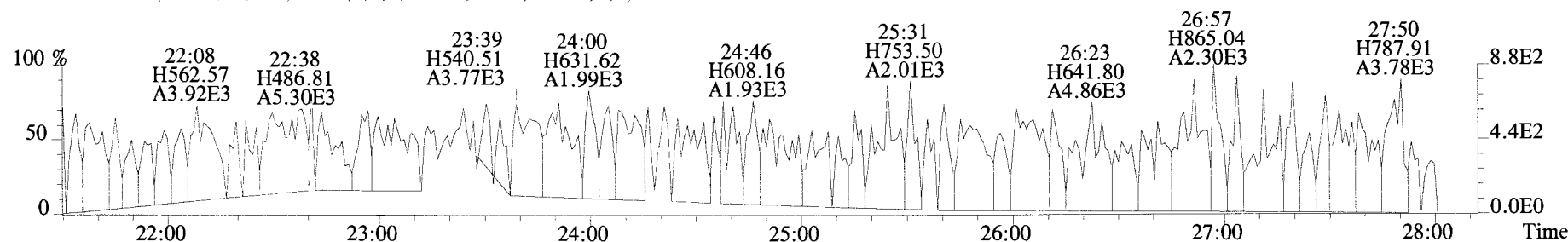
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



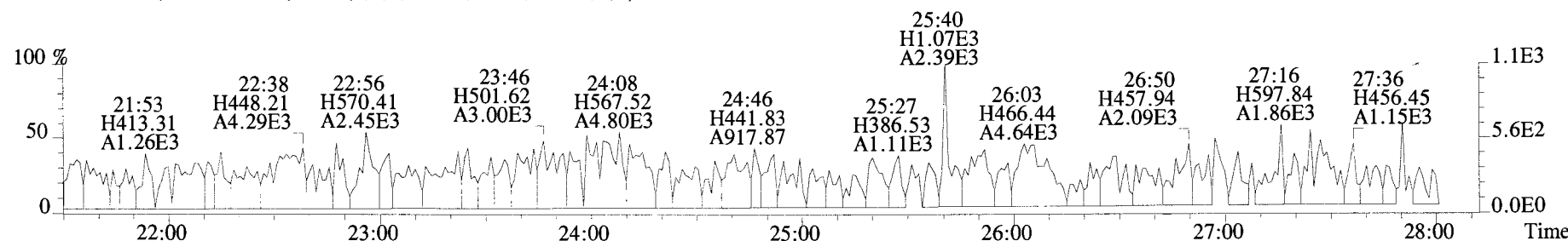
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



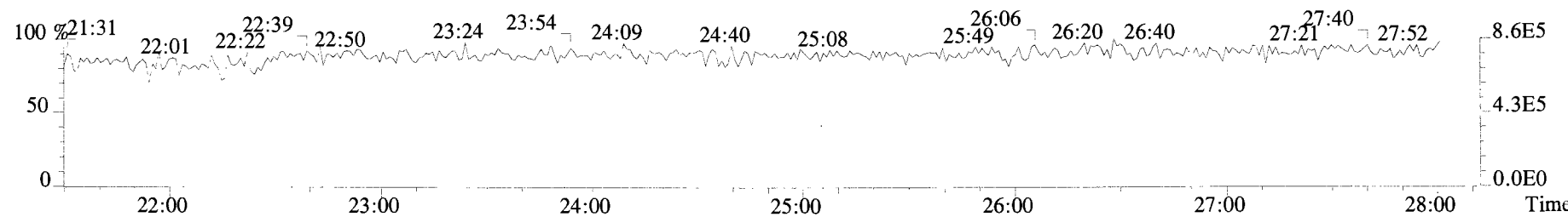
341.8568 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



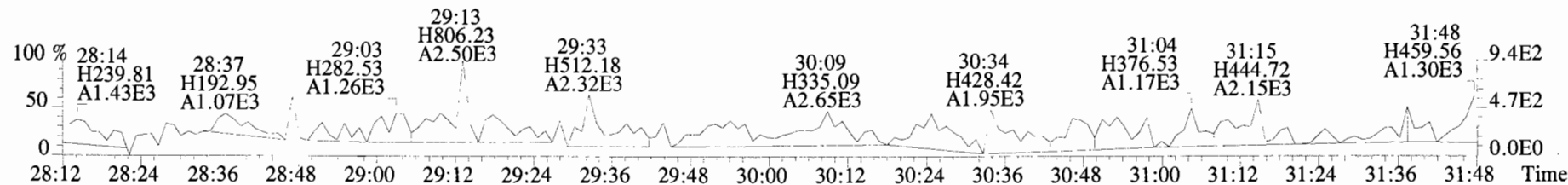
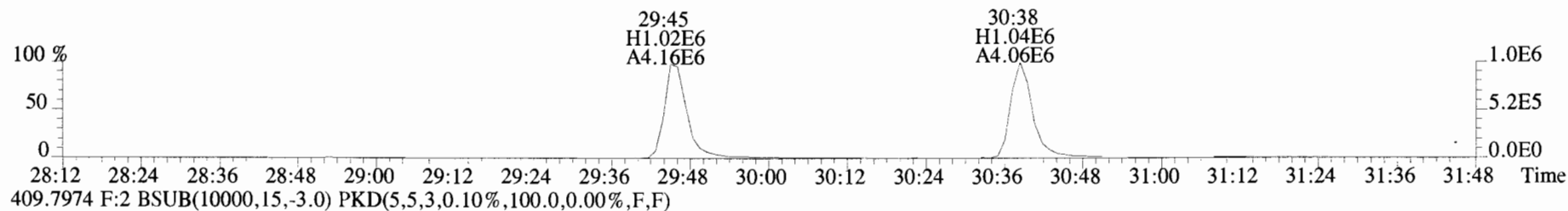
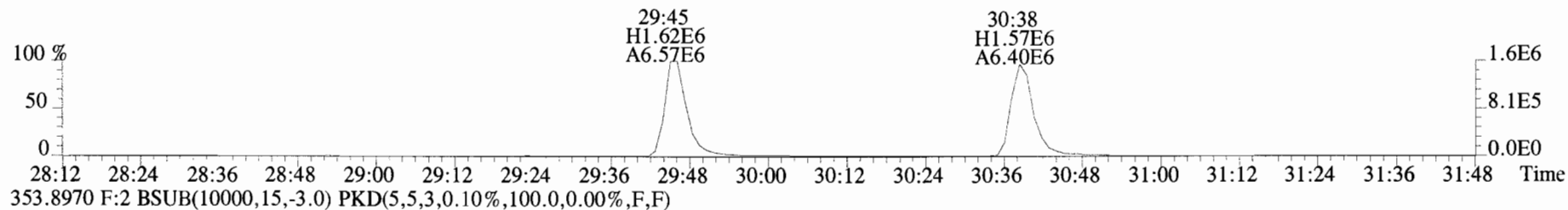
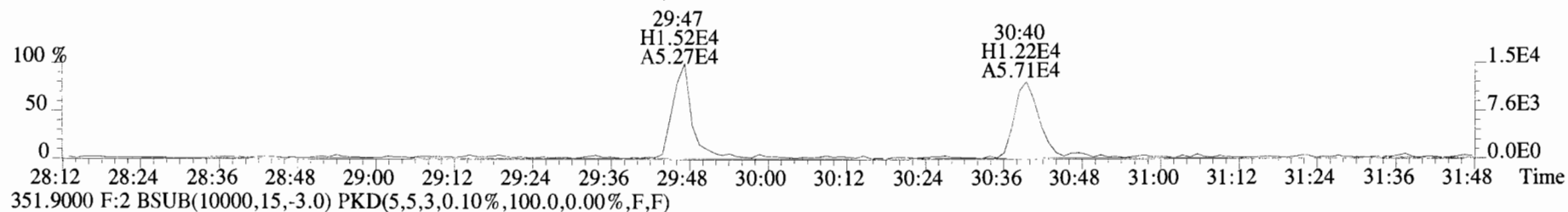
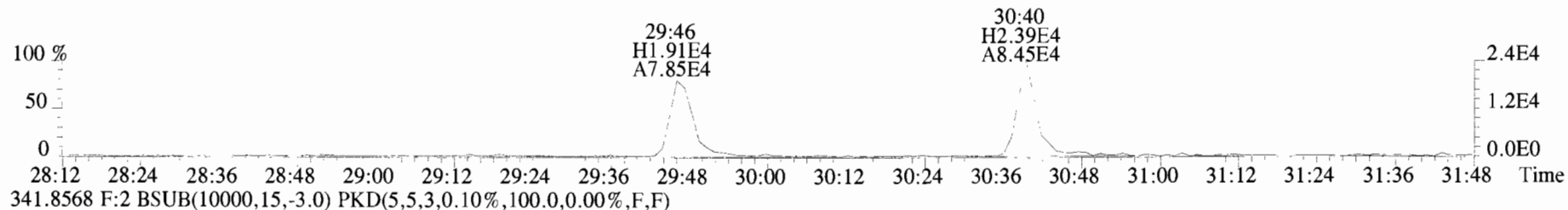
409.7974 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



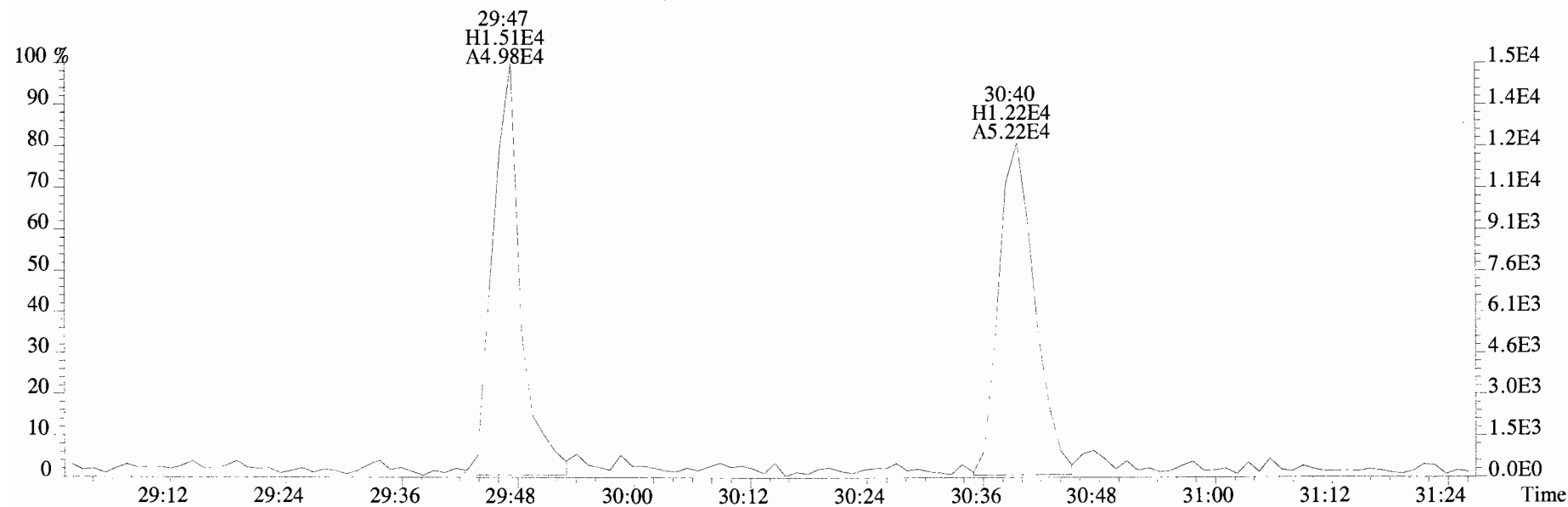
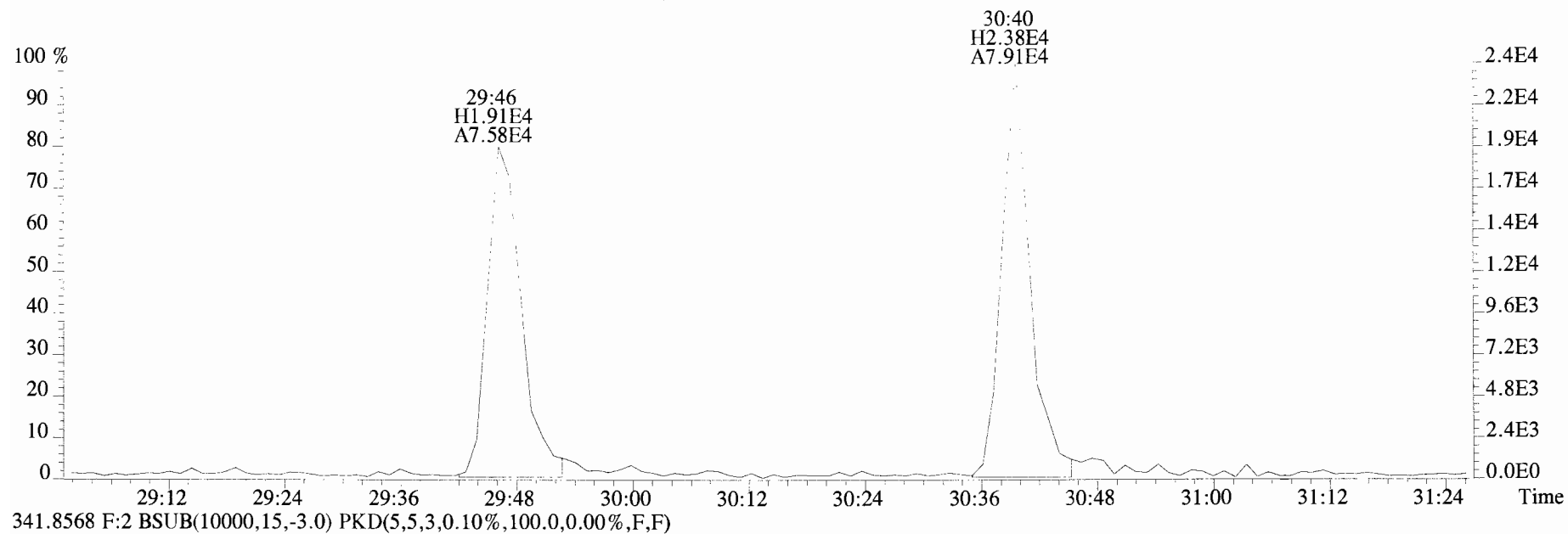
316.9824



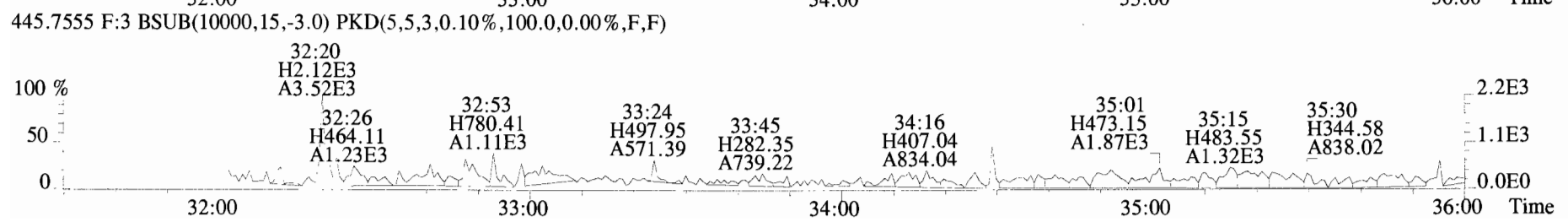
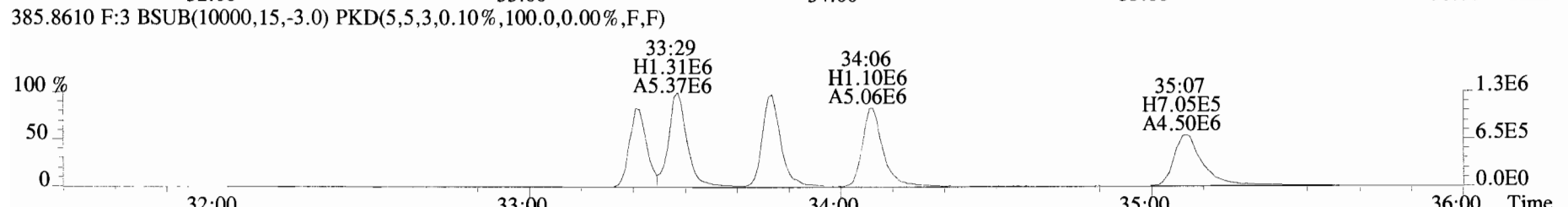
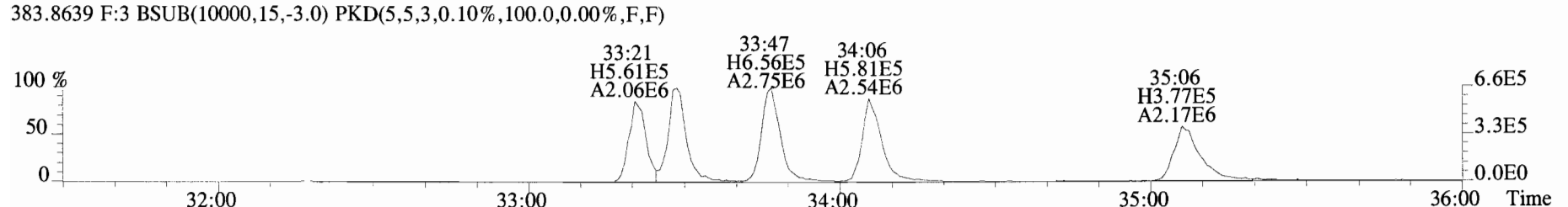
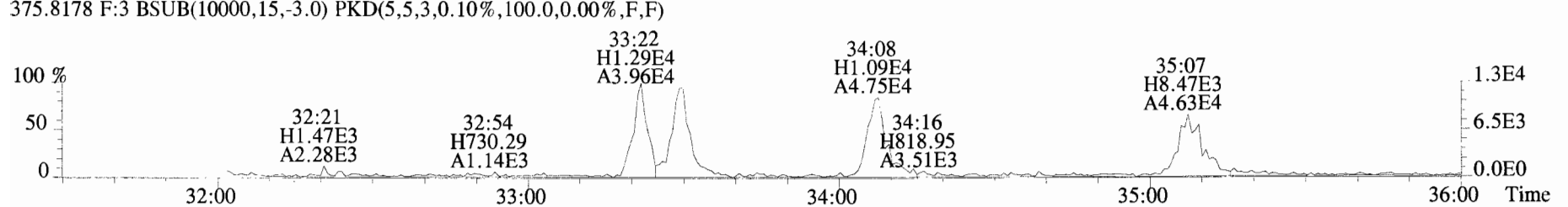
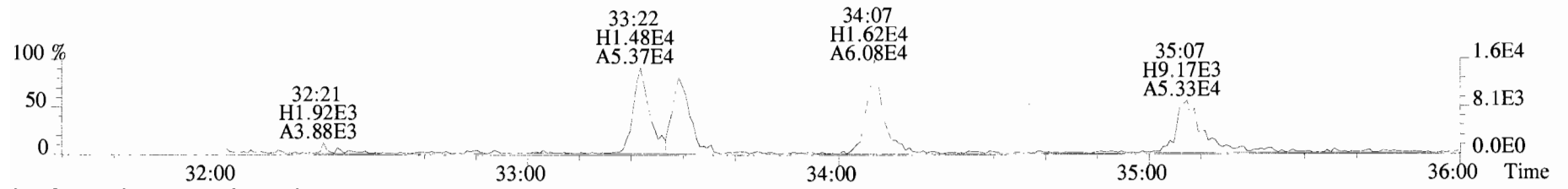
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



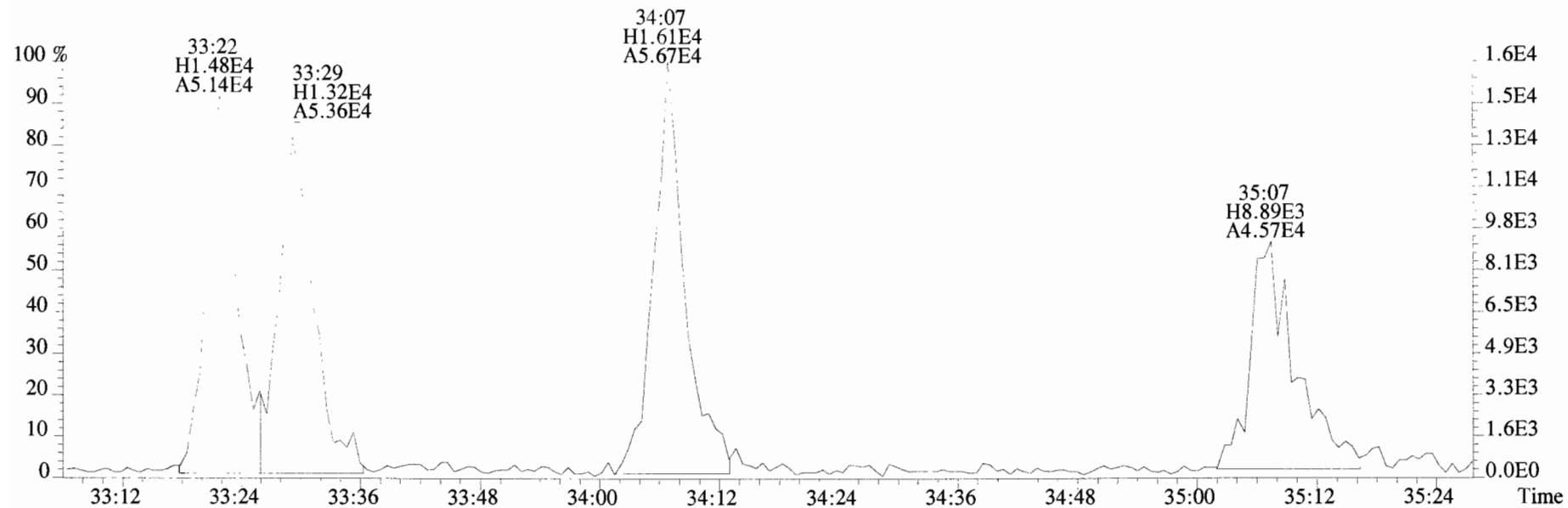
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



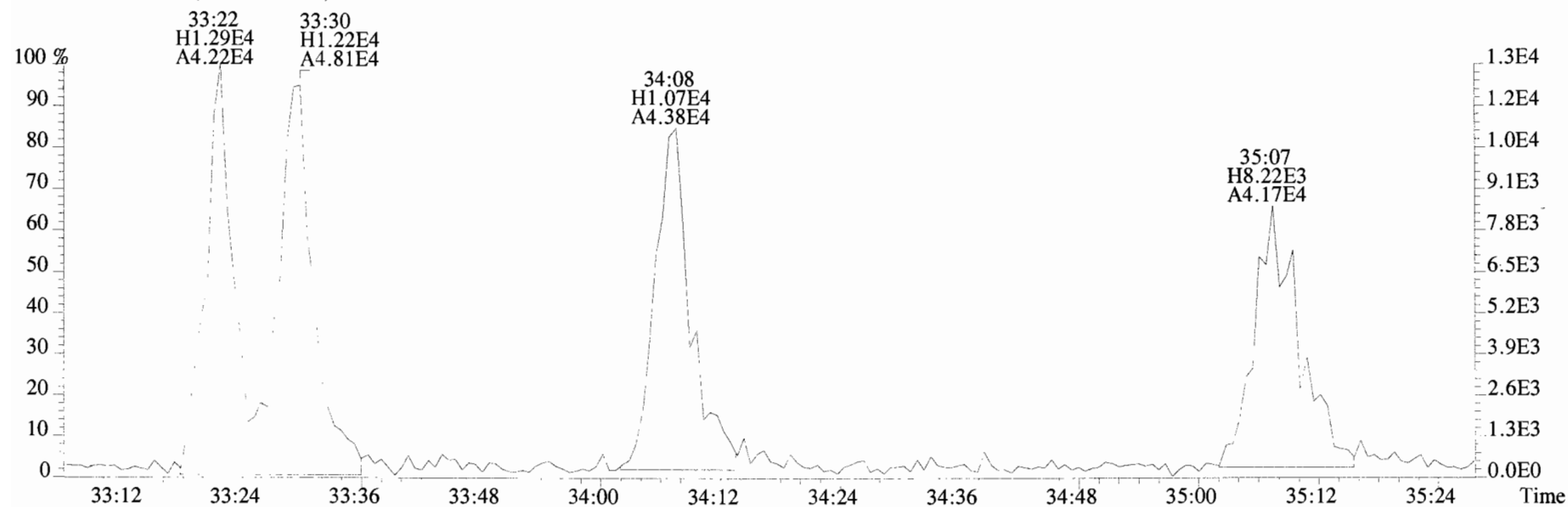
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



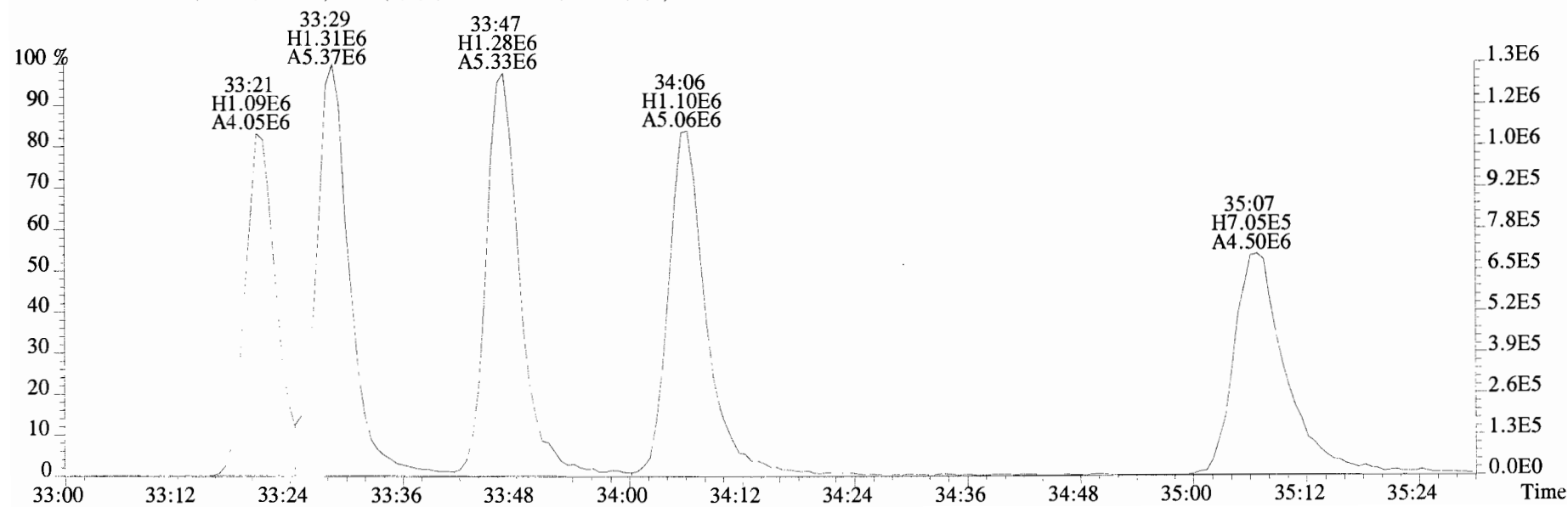
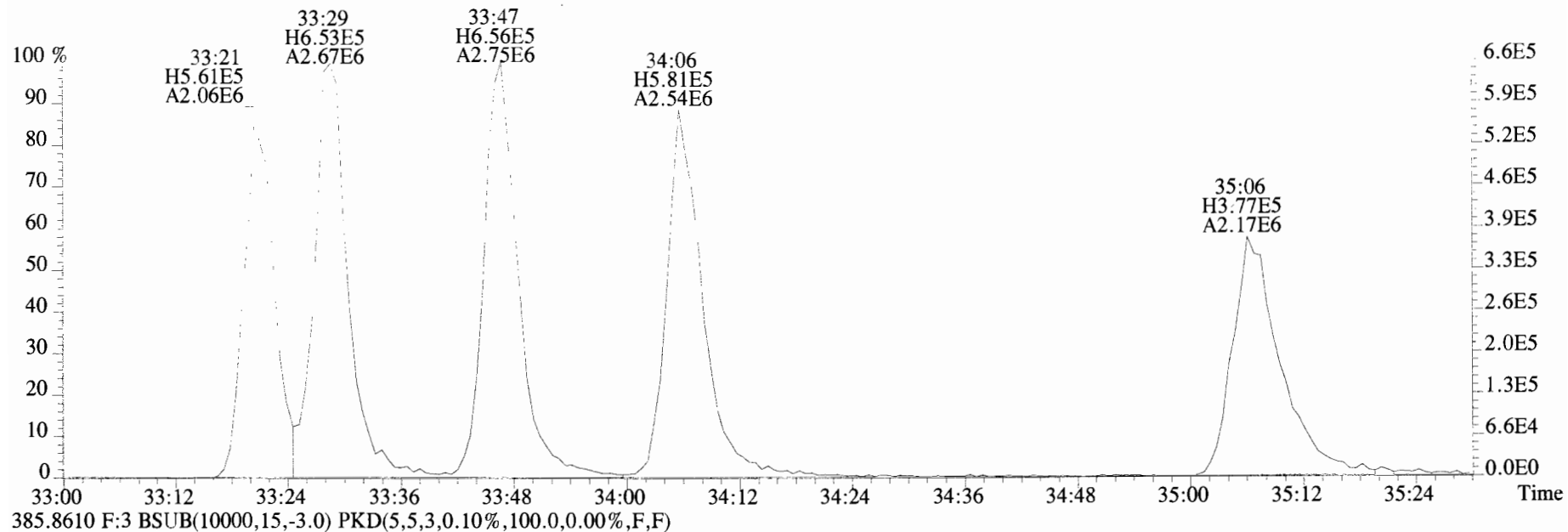
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
373.8207 F:3 BSUB(10000,15,-3.0)



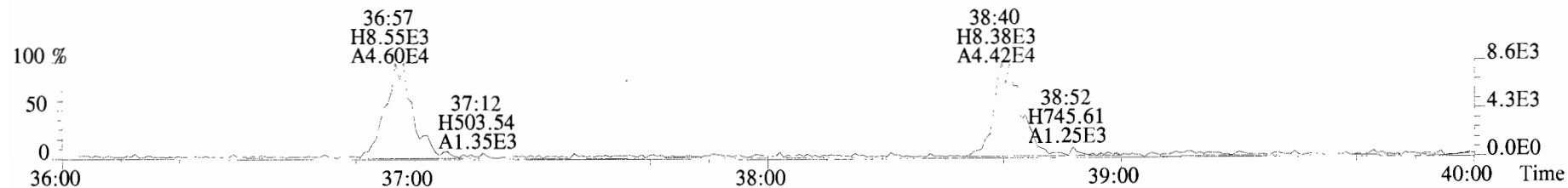
375.8178 F:3 BSUB(10000,15,-3.0)



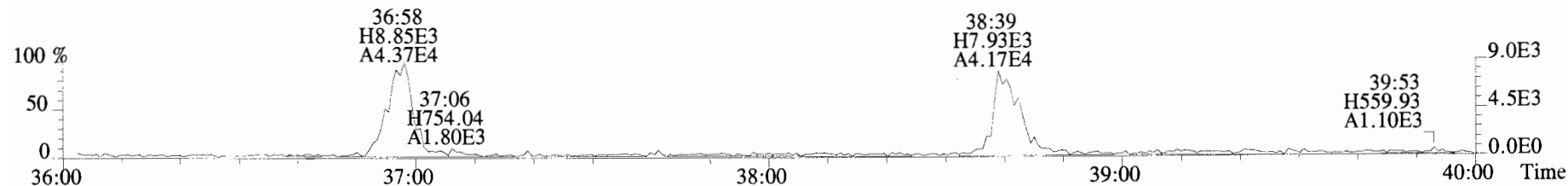
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



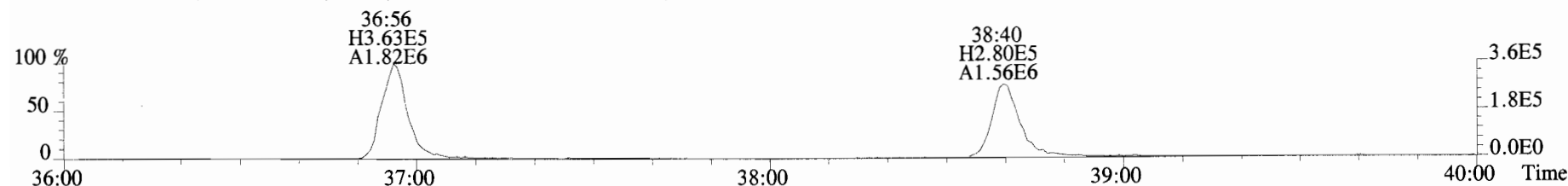
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



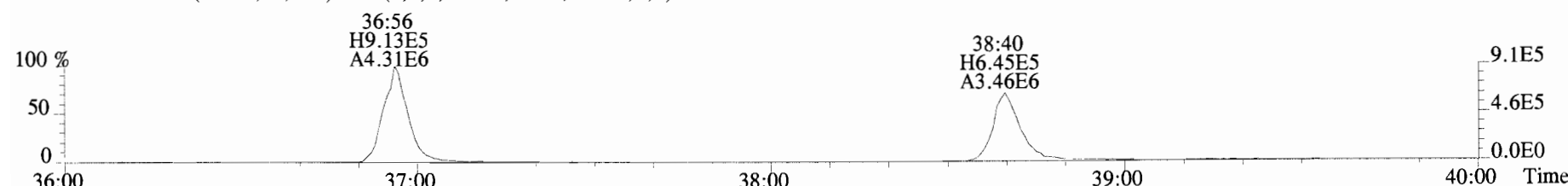
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



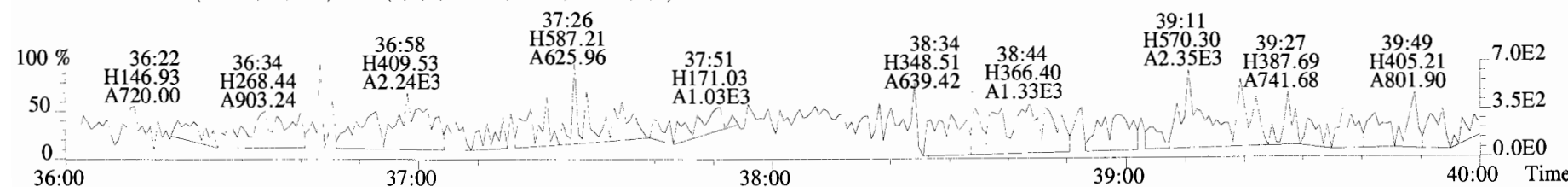
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



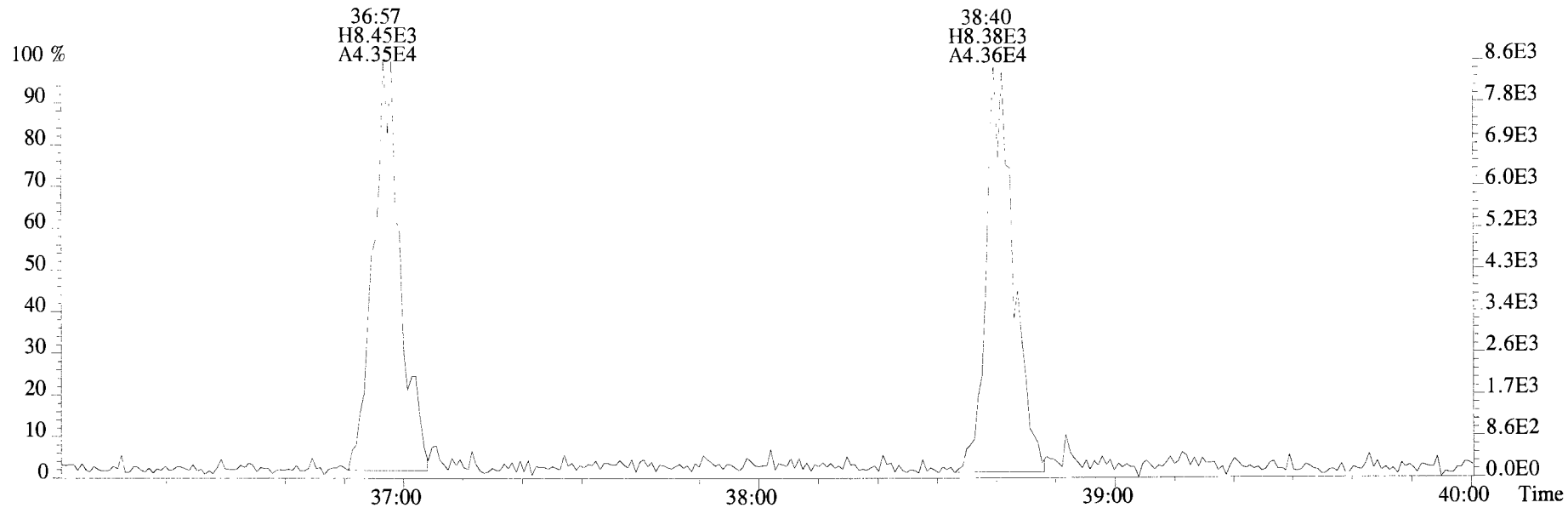
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



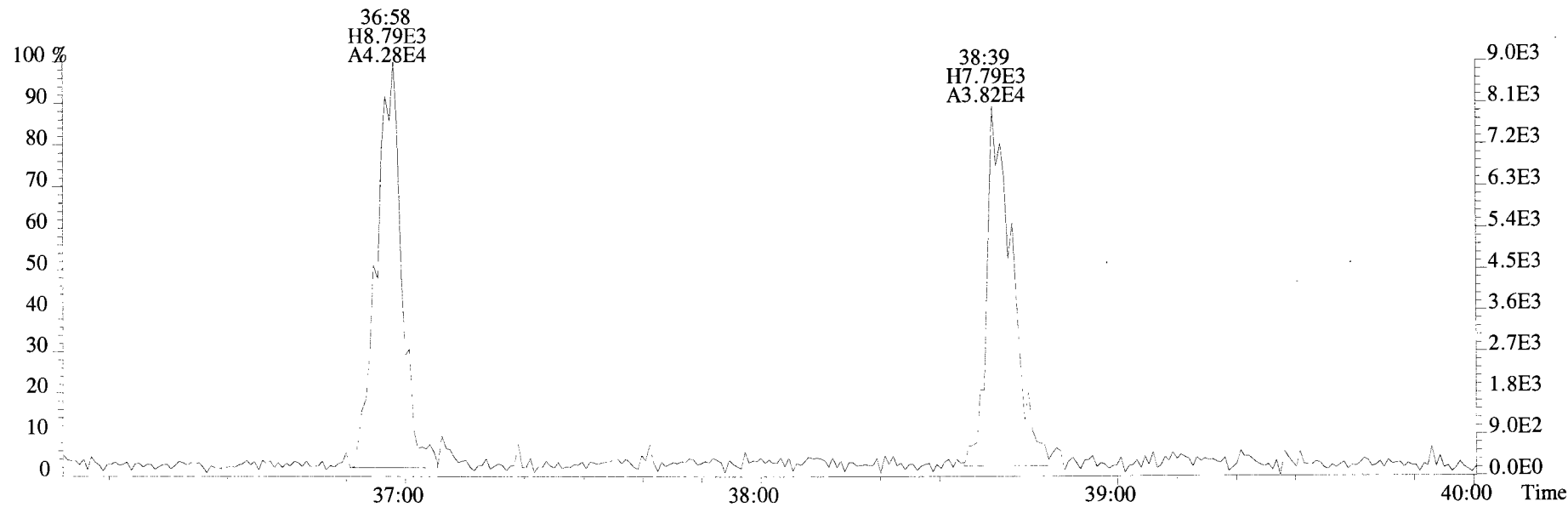
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



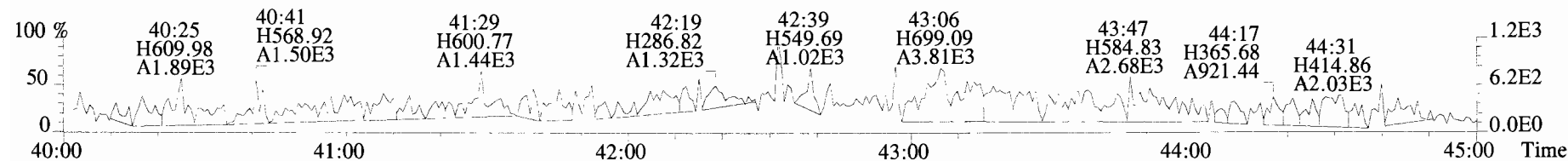
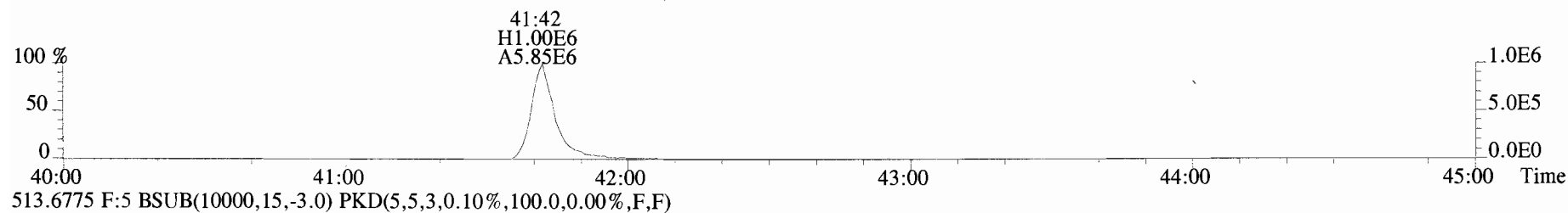
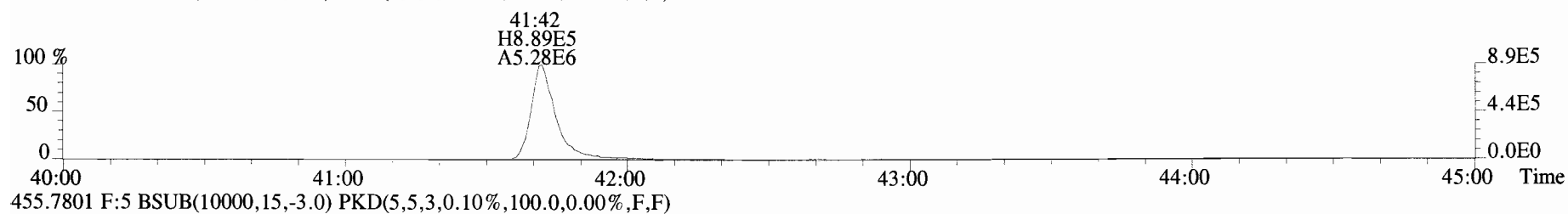
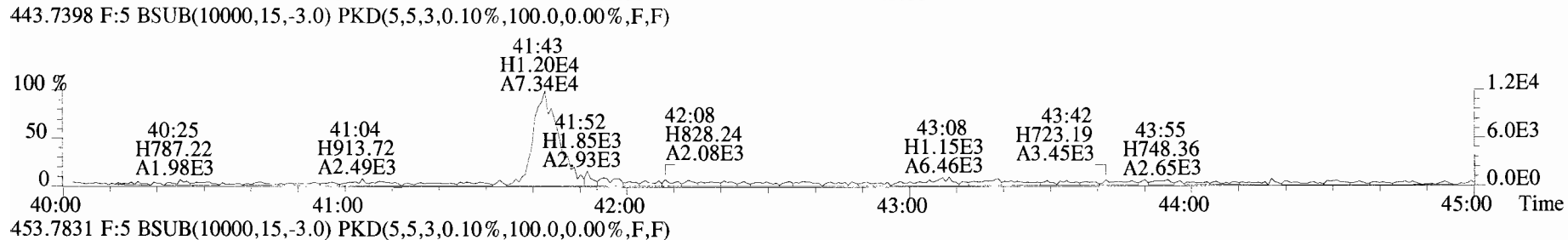
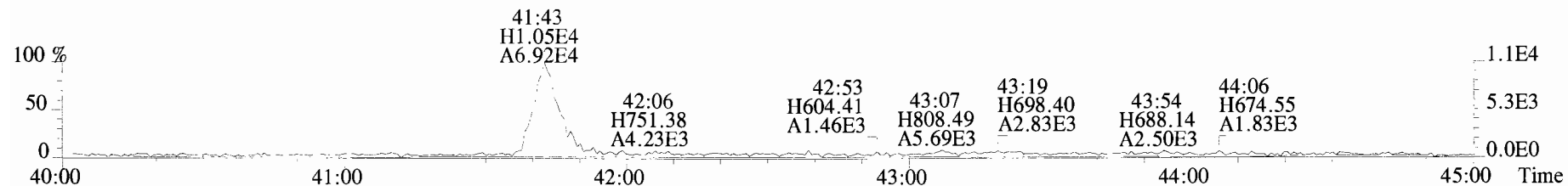
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



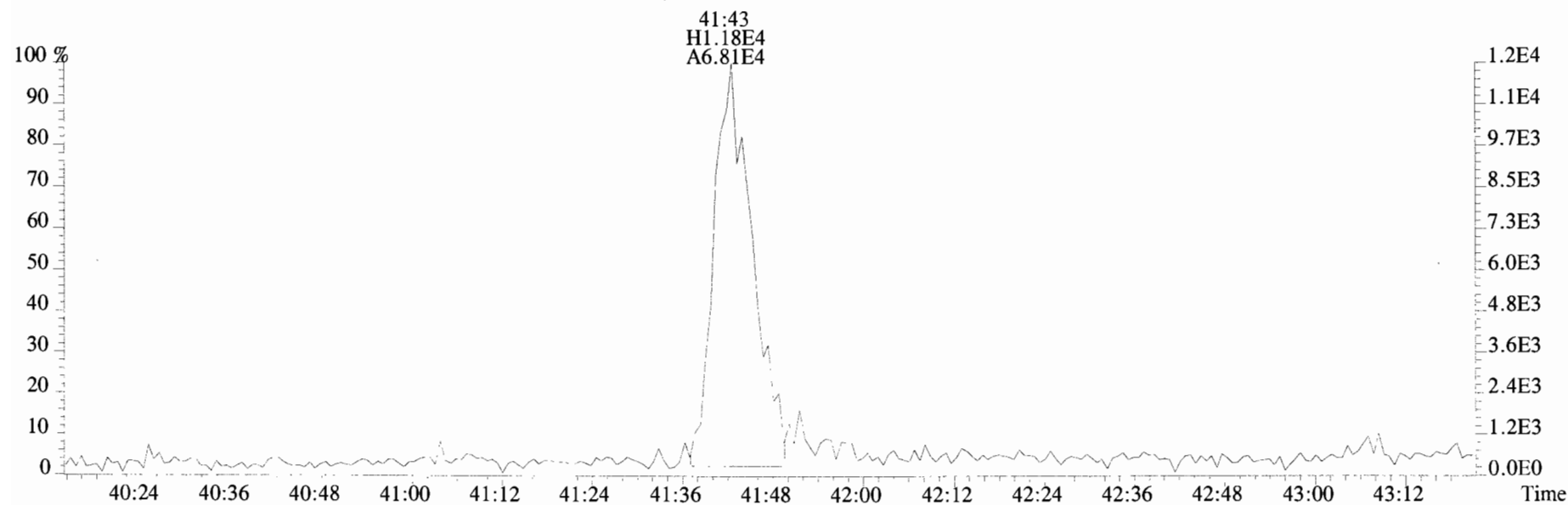
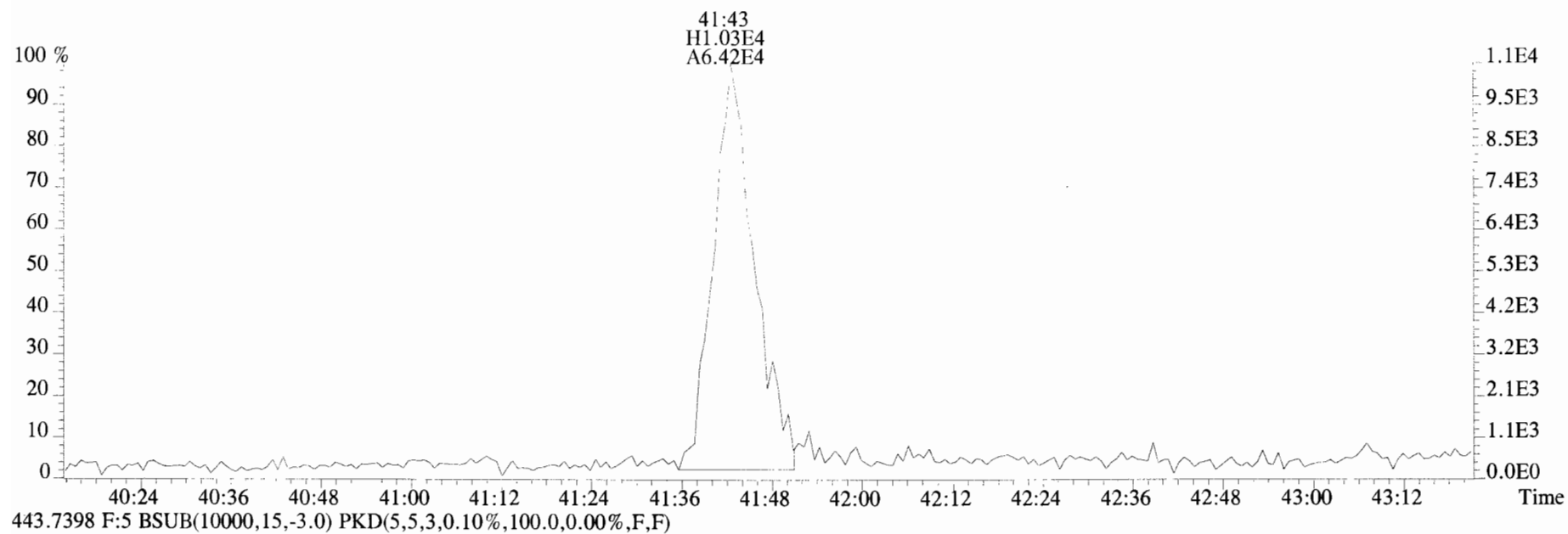
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



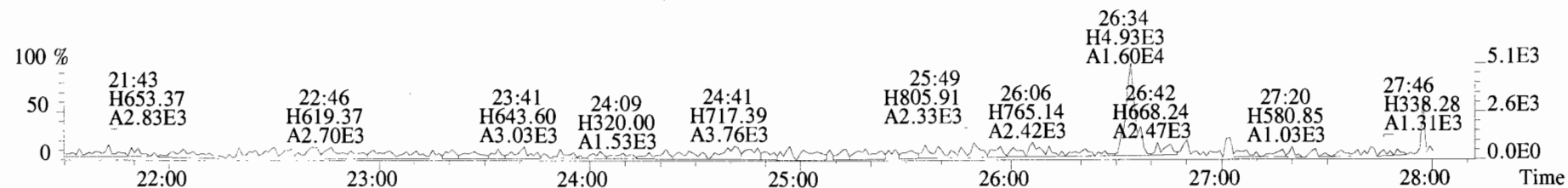
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



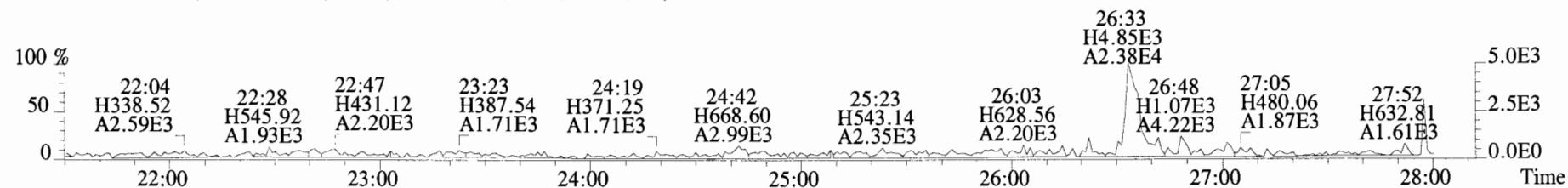
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



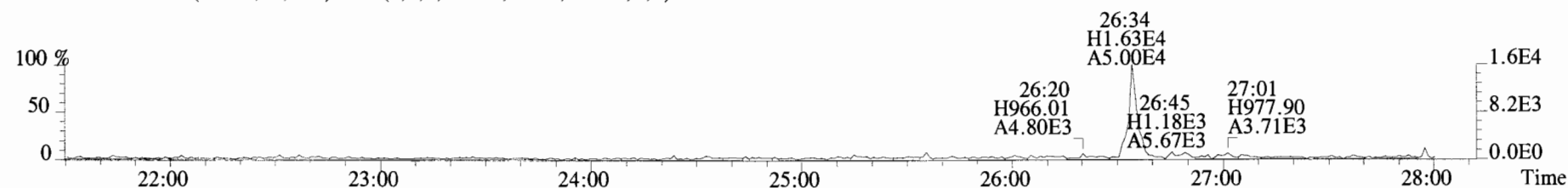
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



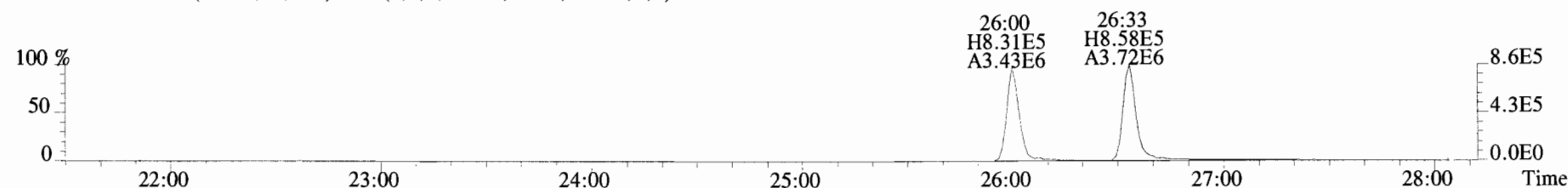
321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



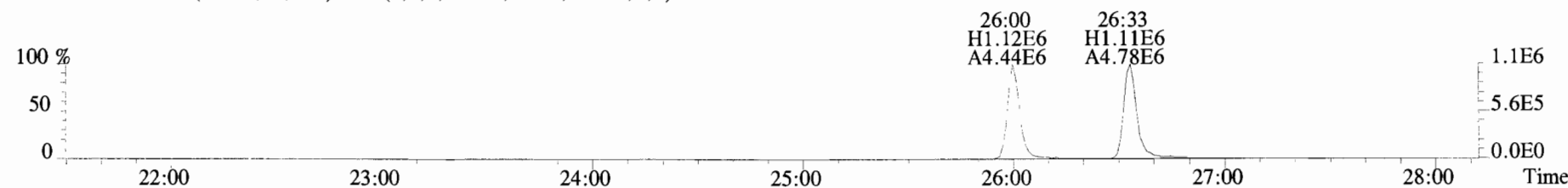
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



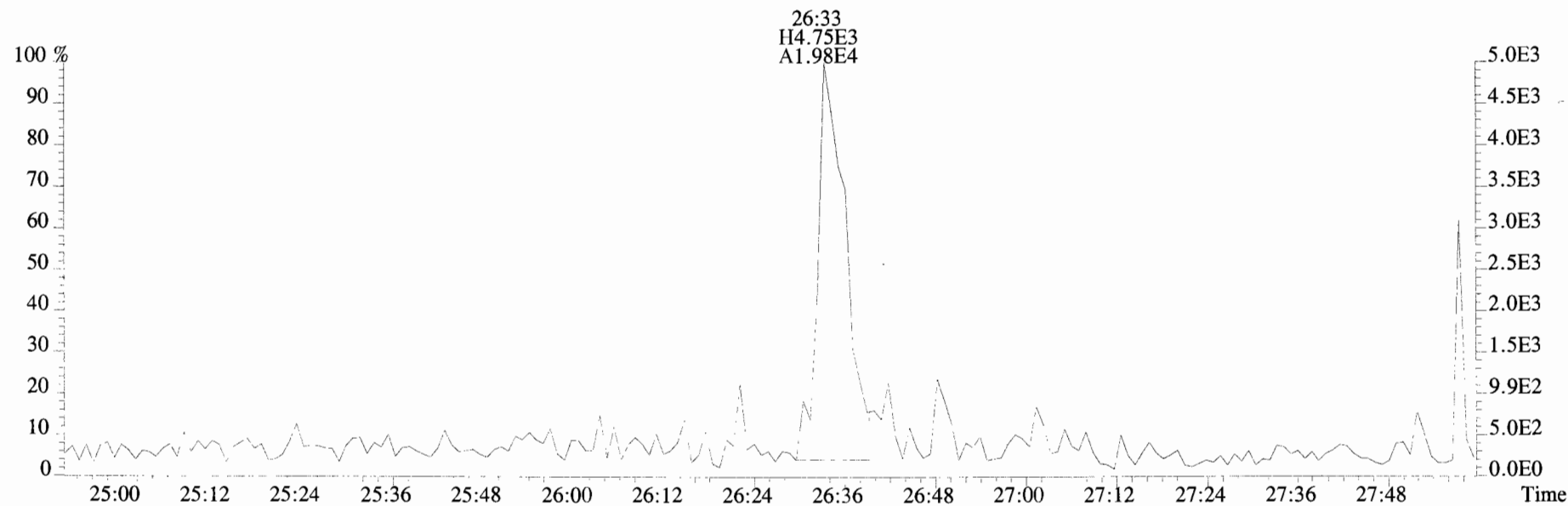
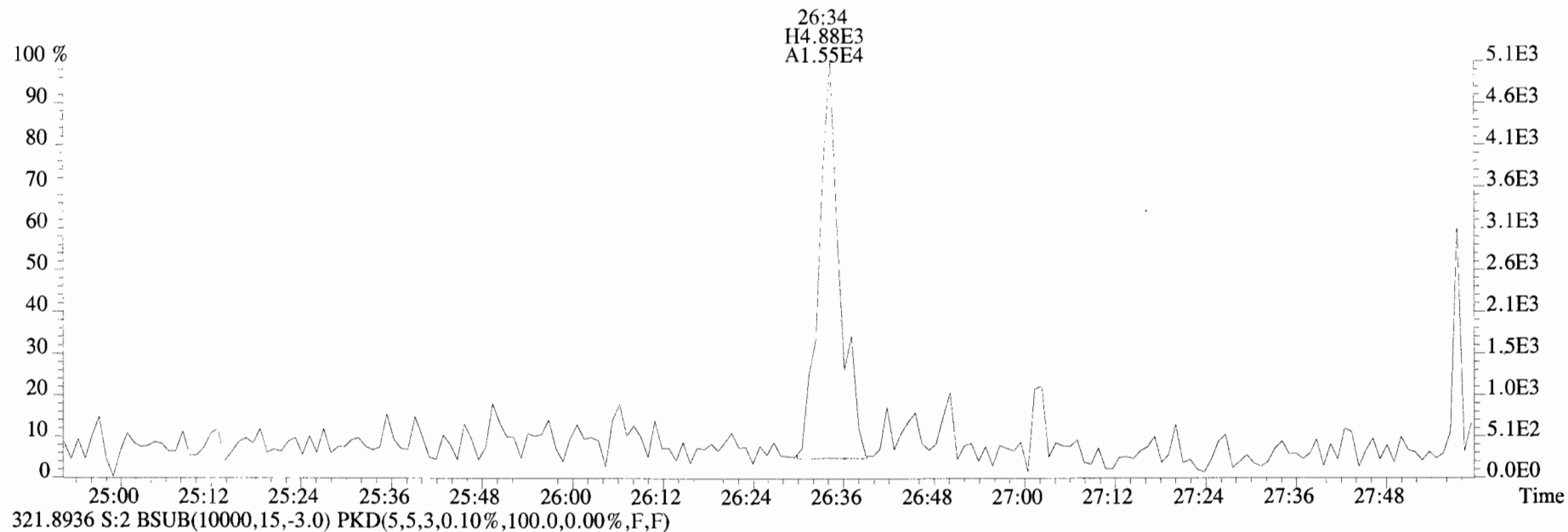
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



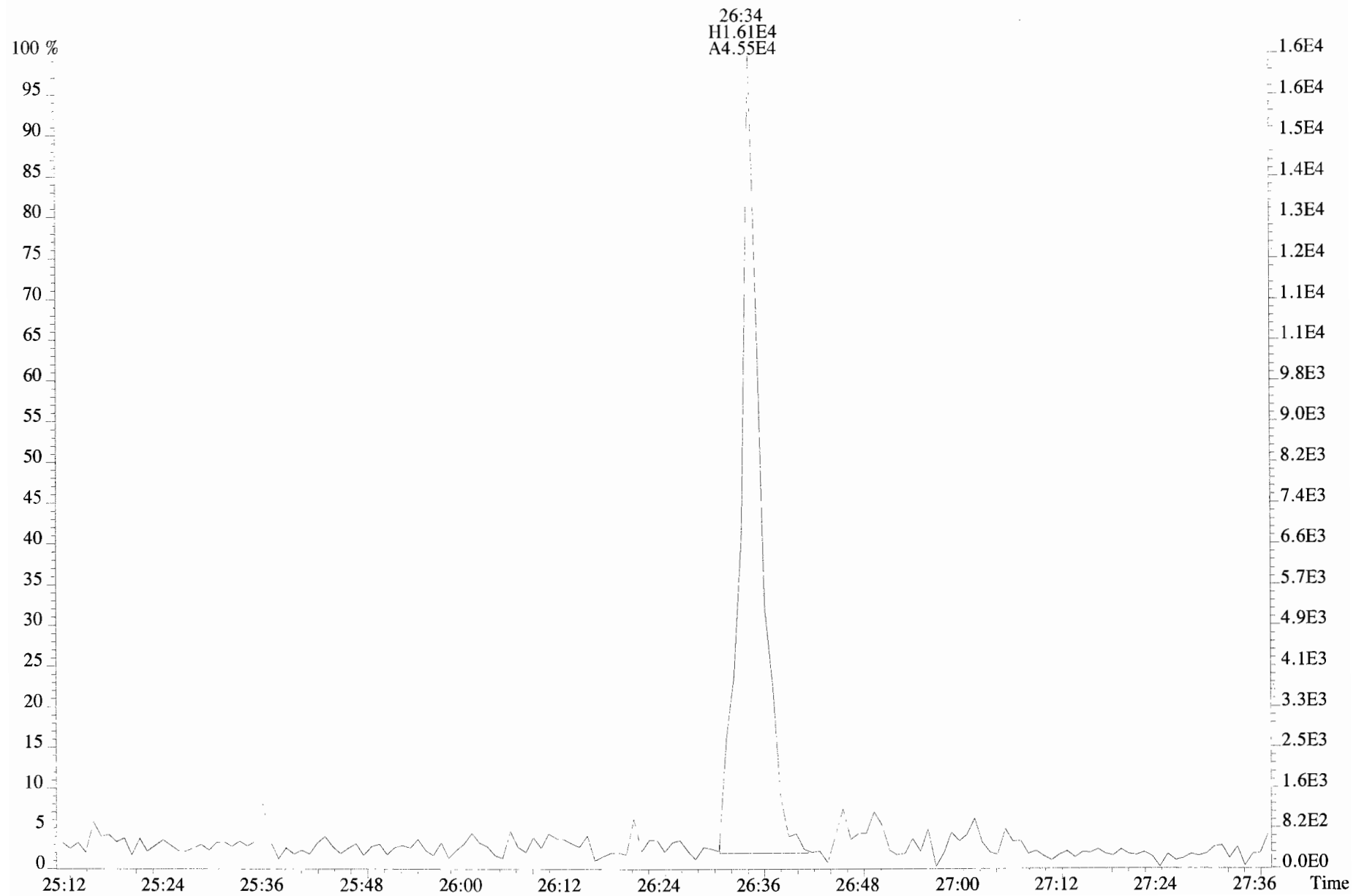
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



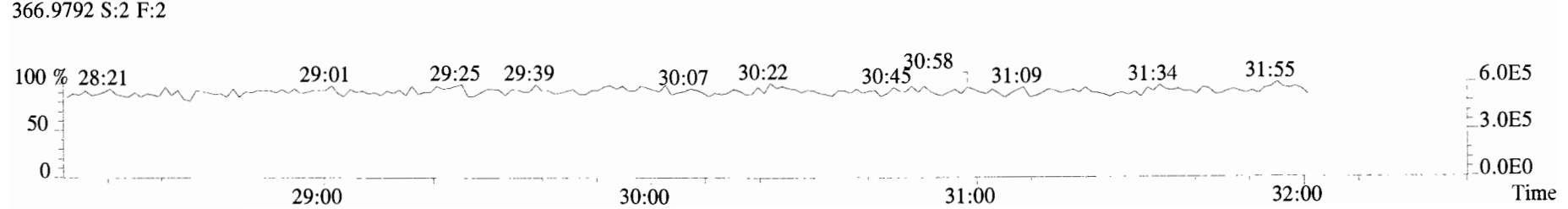
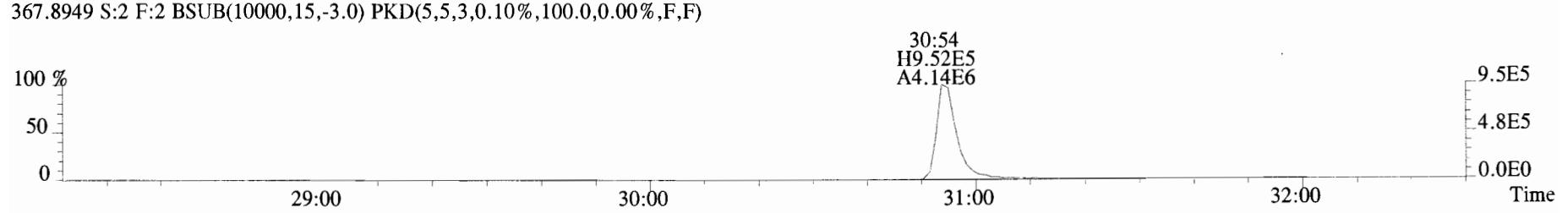
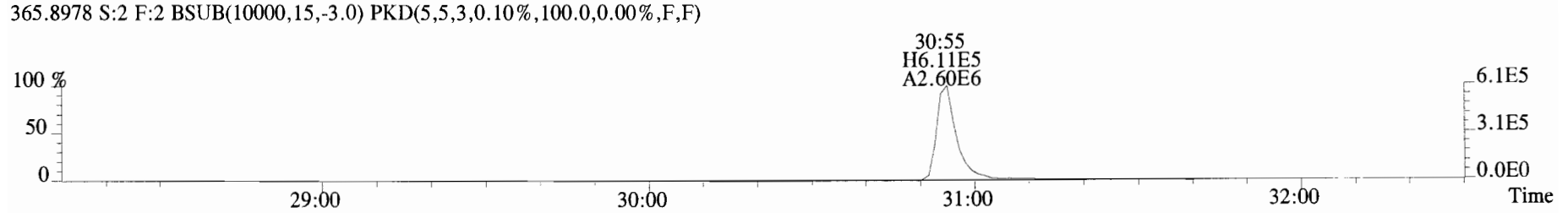
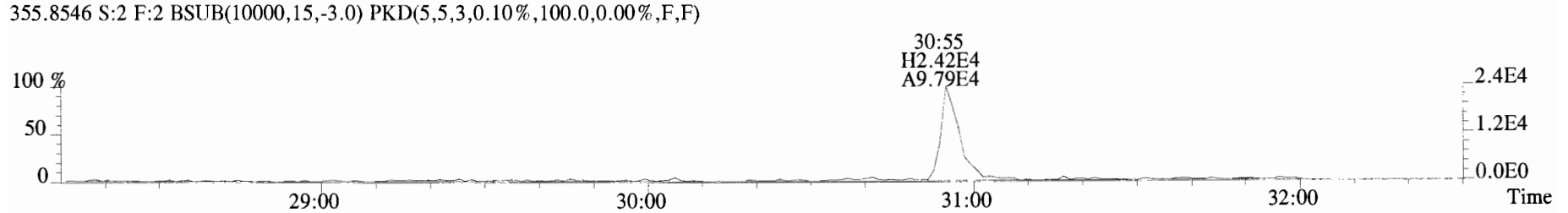
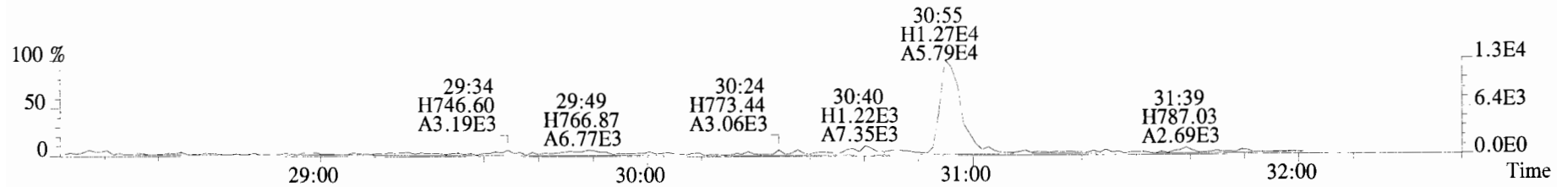
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



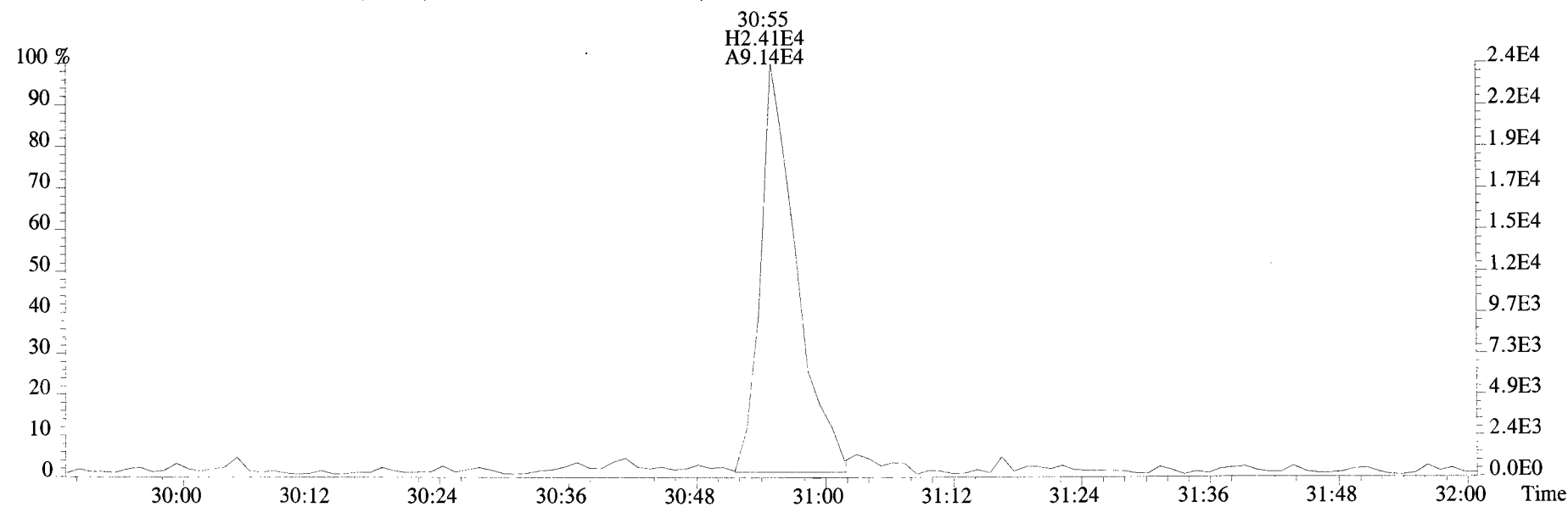
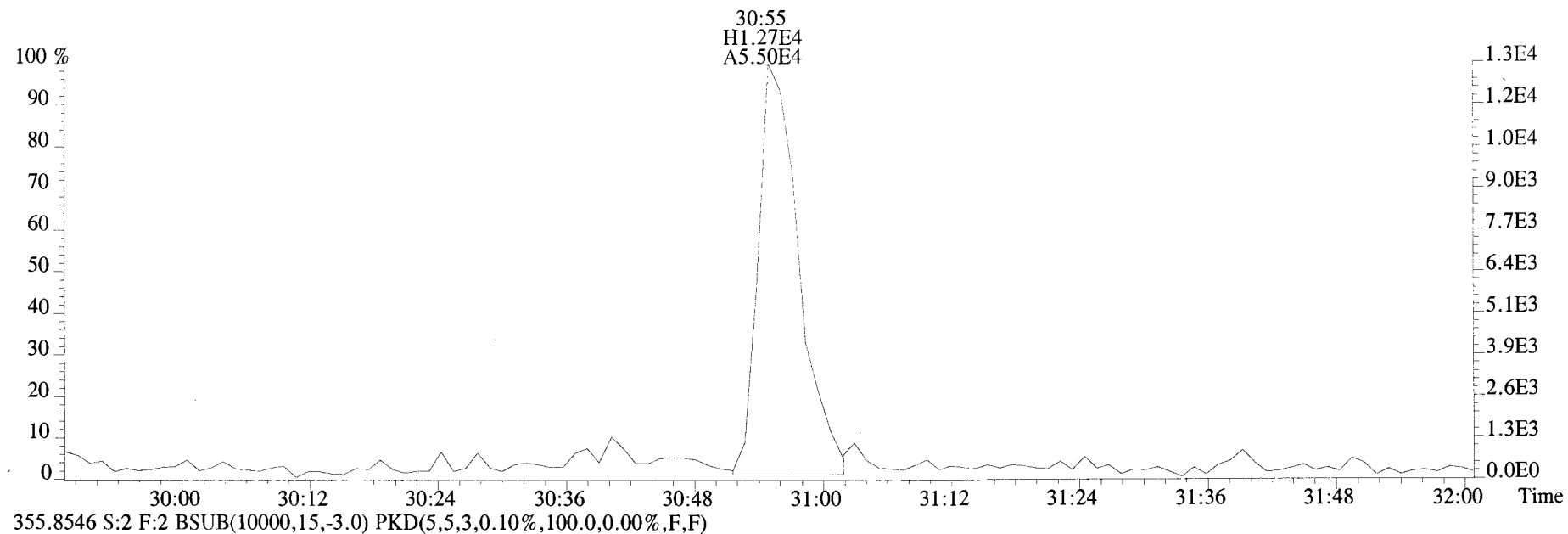
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
327.8847 S:2 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



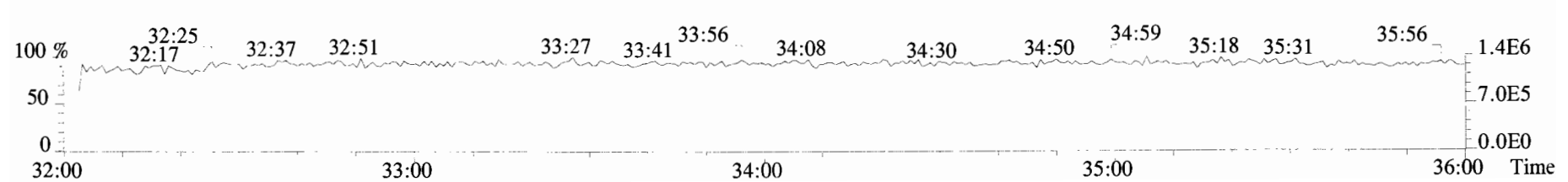
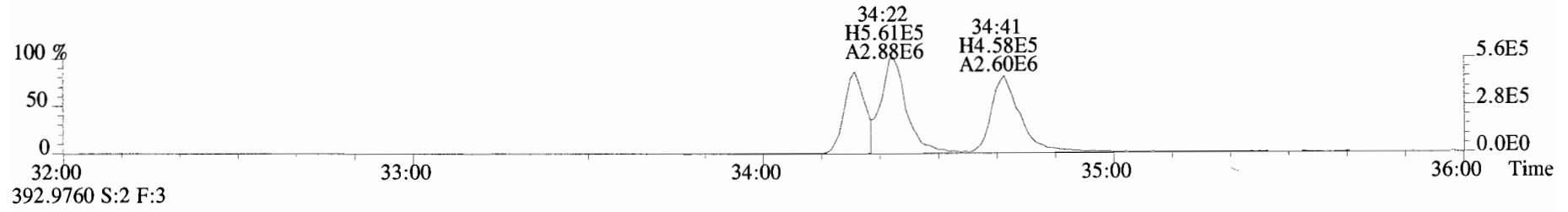
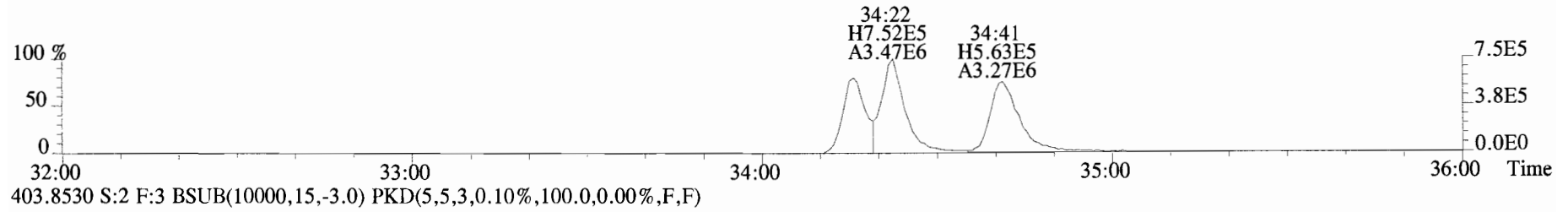
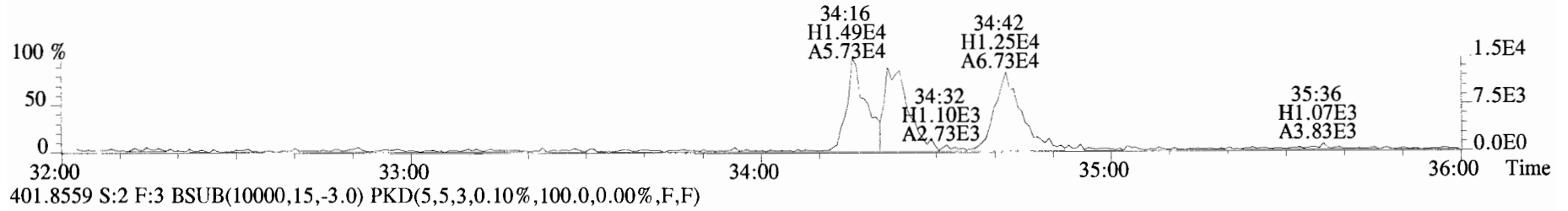
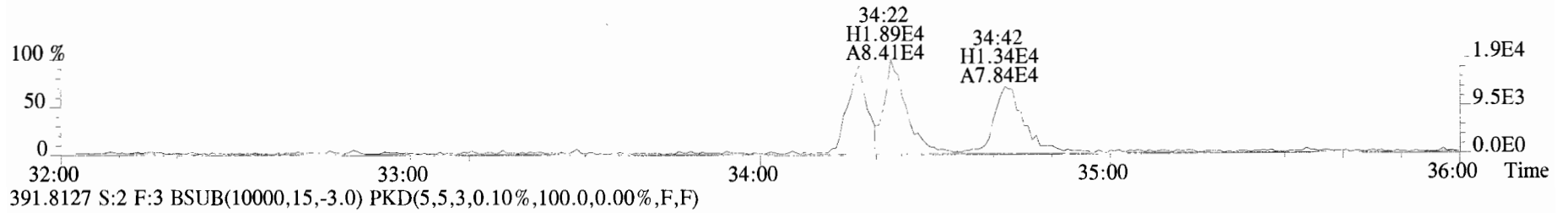
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
353.8576 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



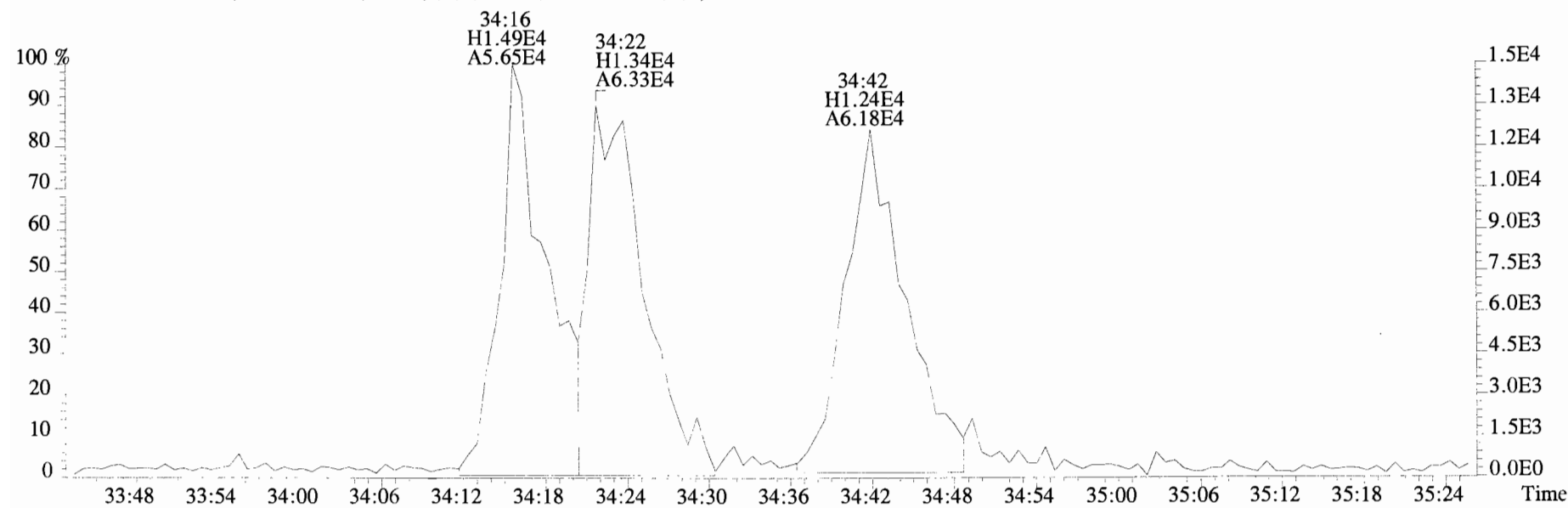
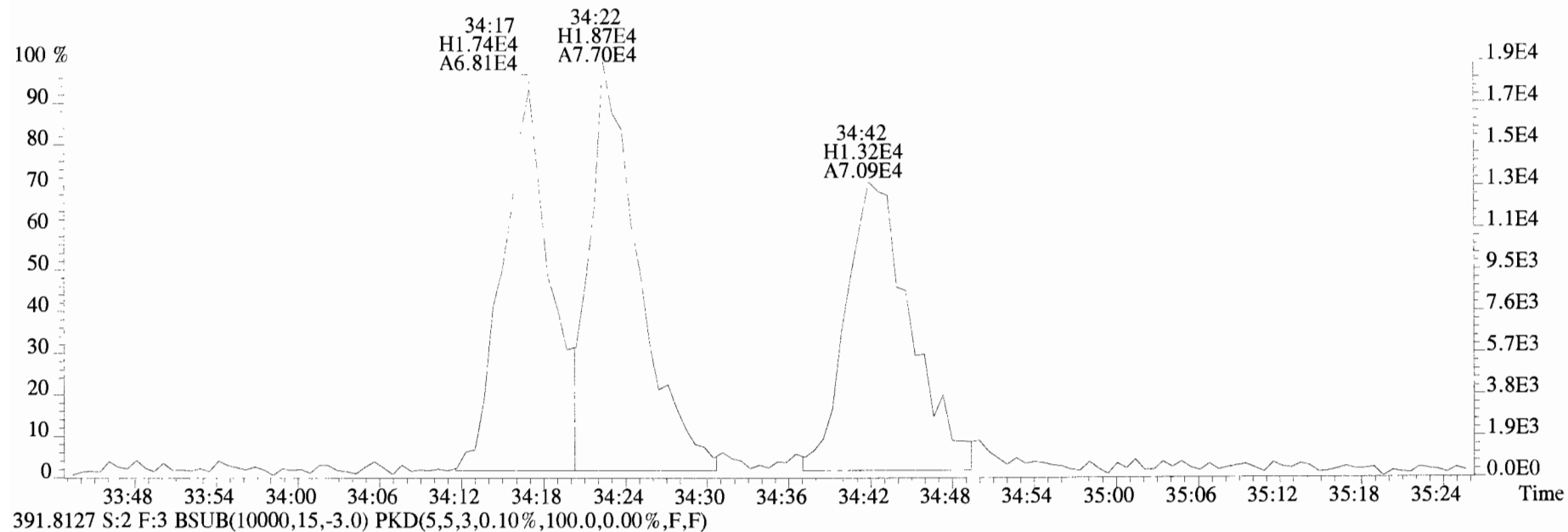
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
353.8576 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



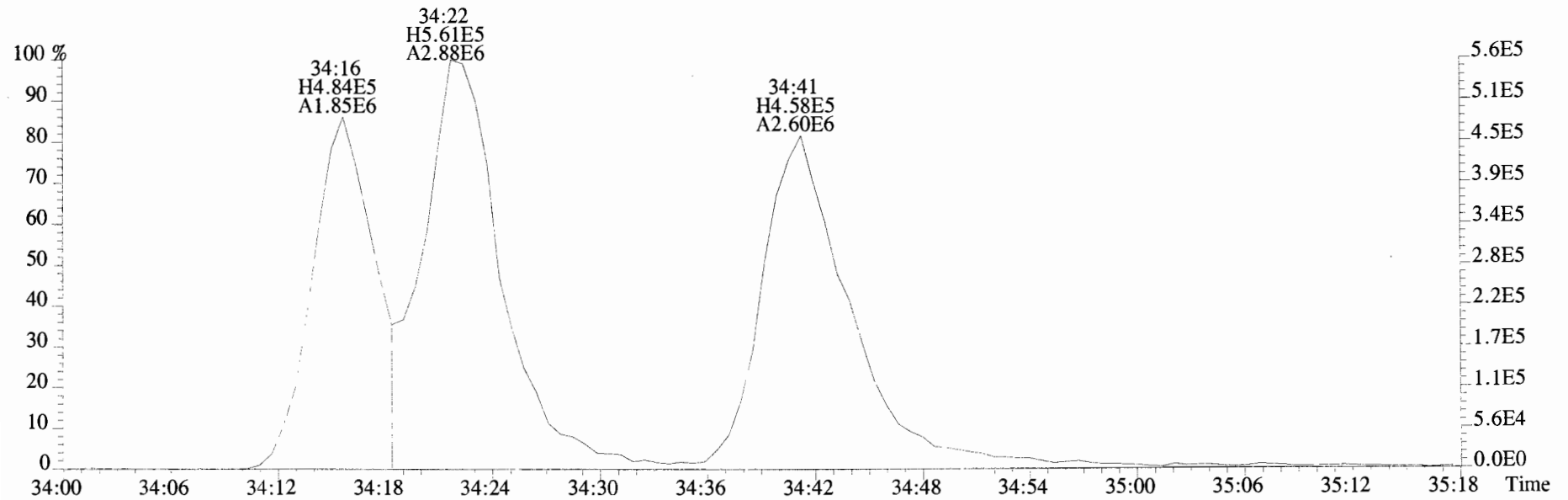
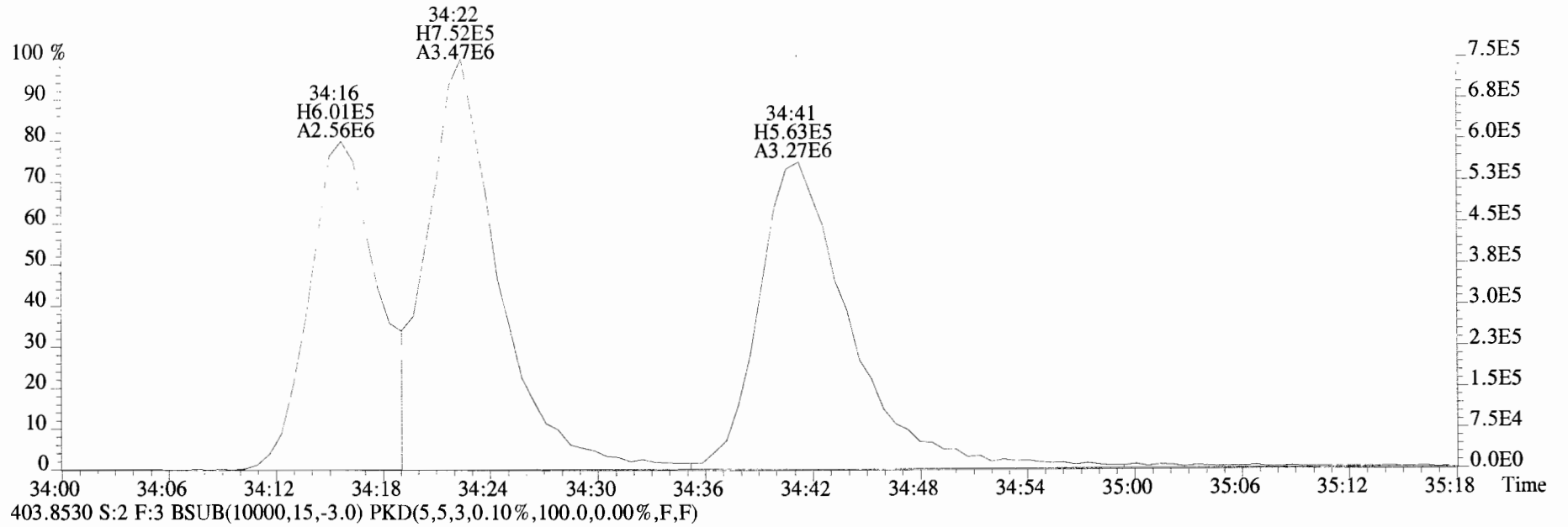
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



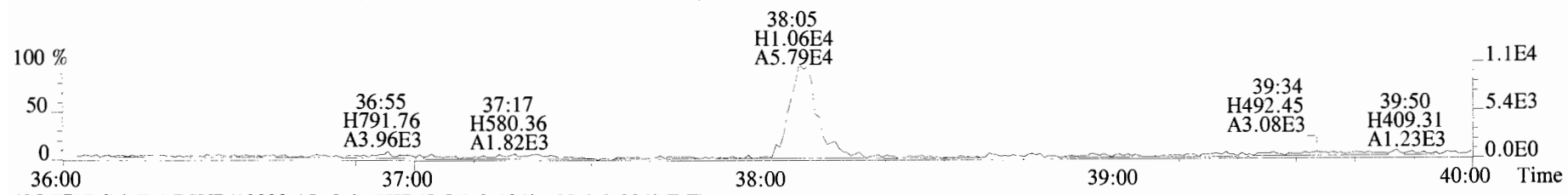
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



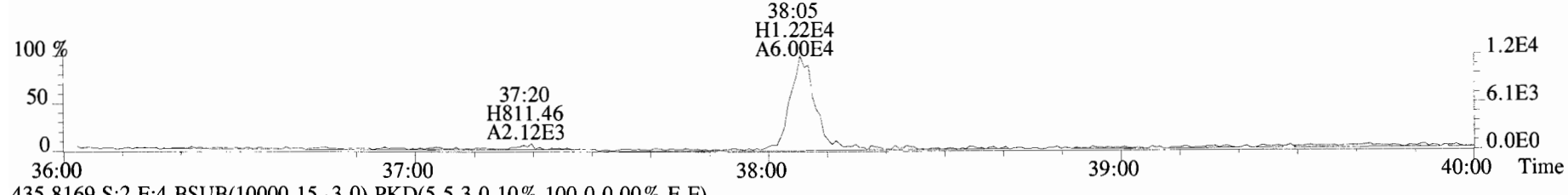
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



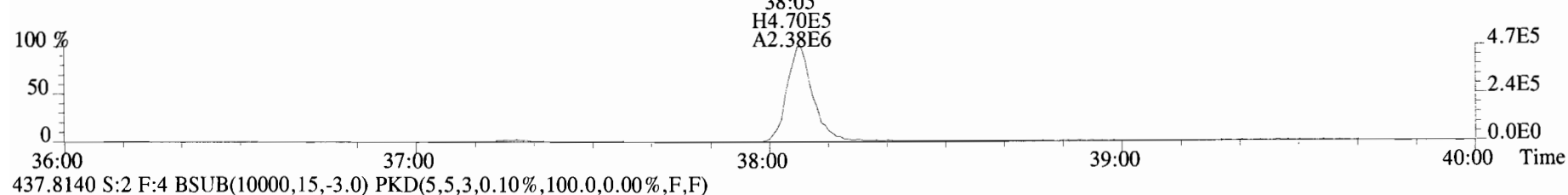
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



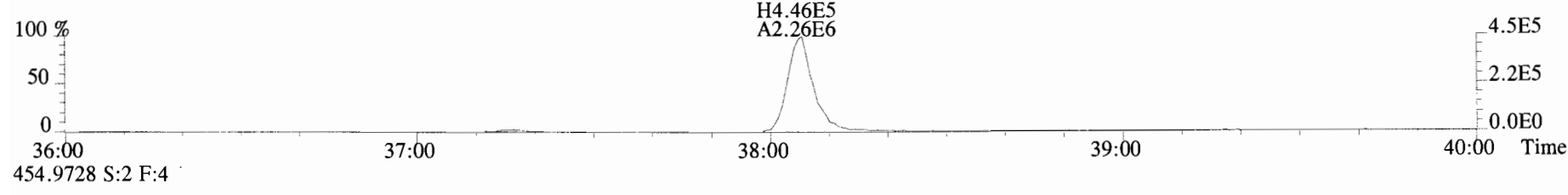
425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



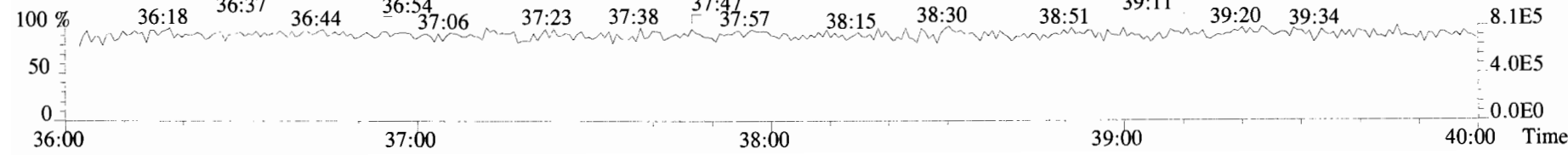
435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



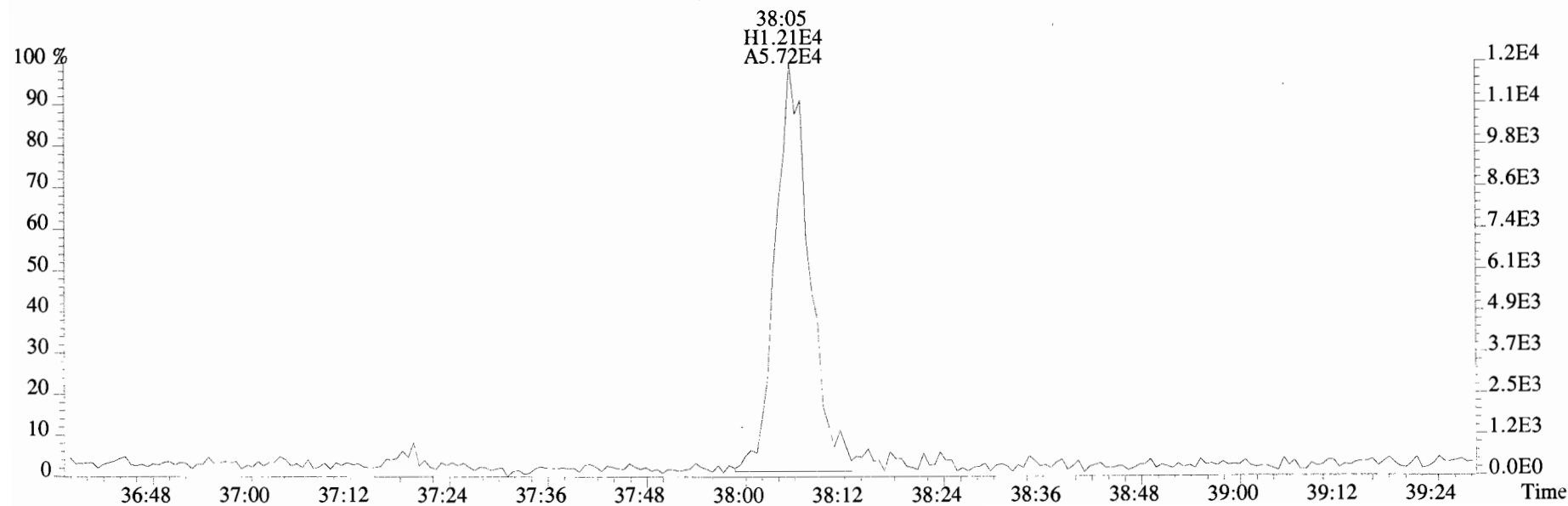
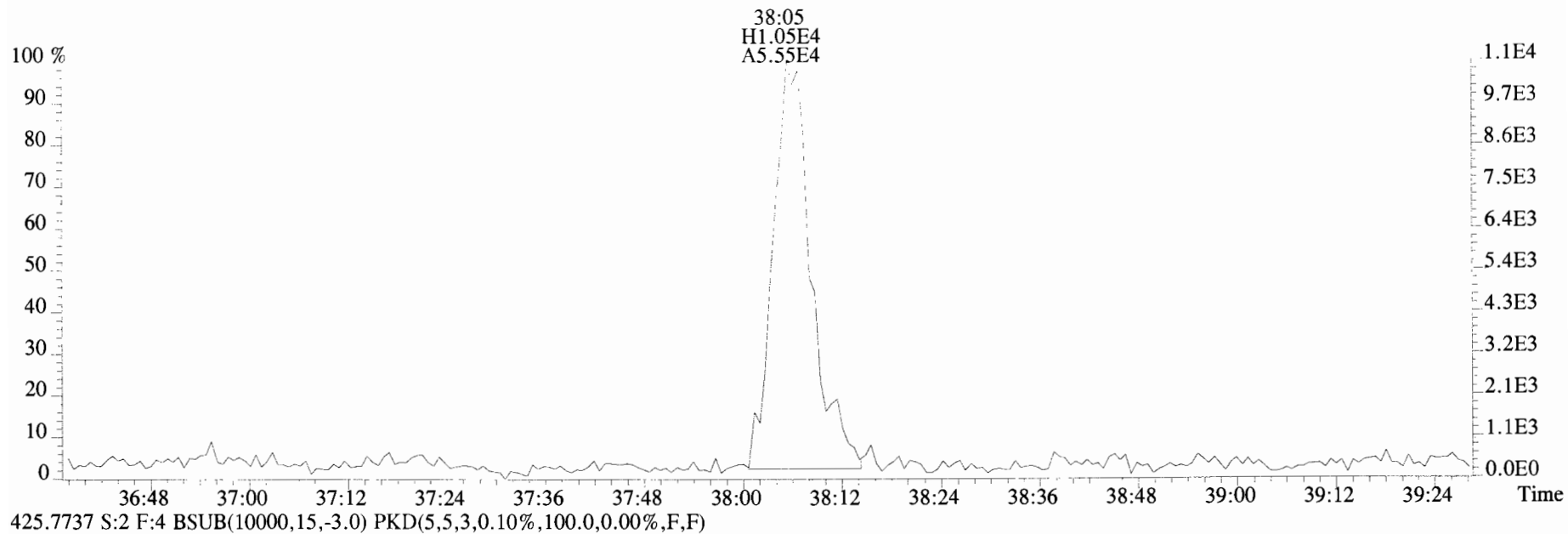
437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



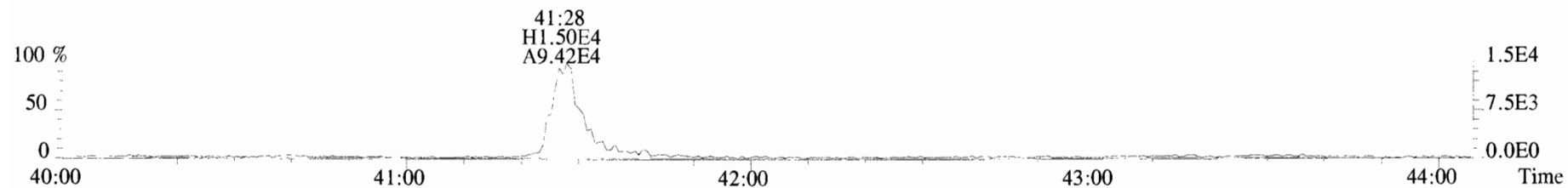
454.9728 S:2 F:4



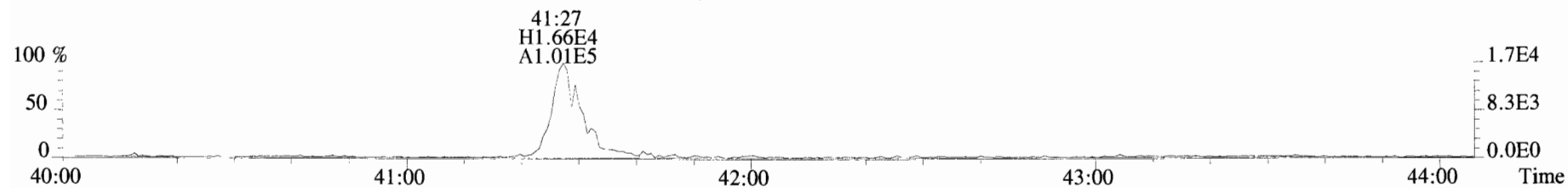
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
423.7767 S:2 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



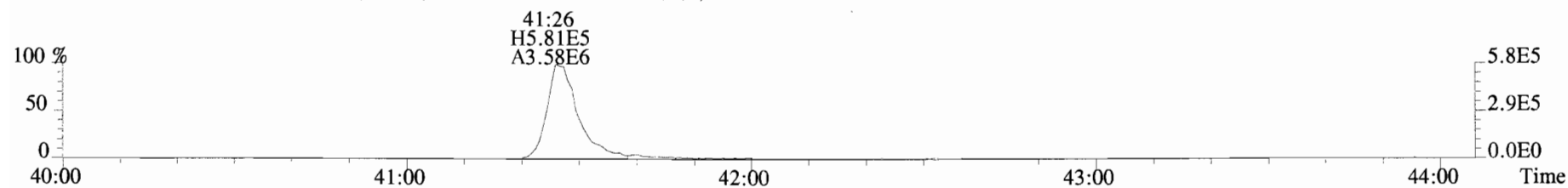
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



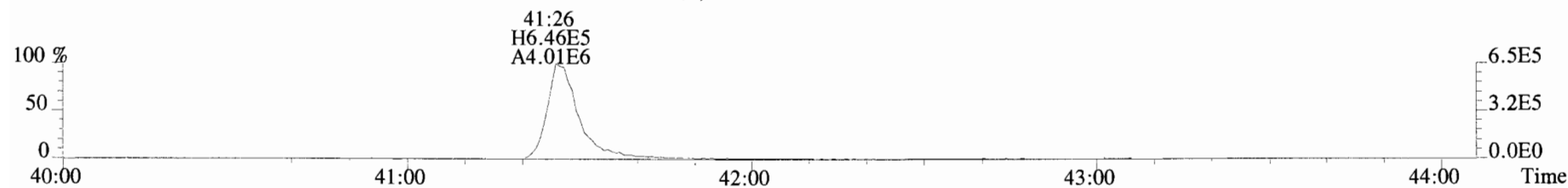
459.7348 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



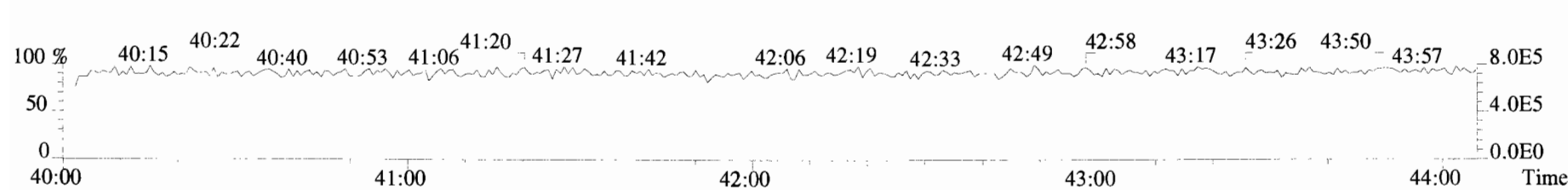
469.7780 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



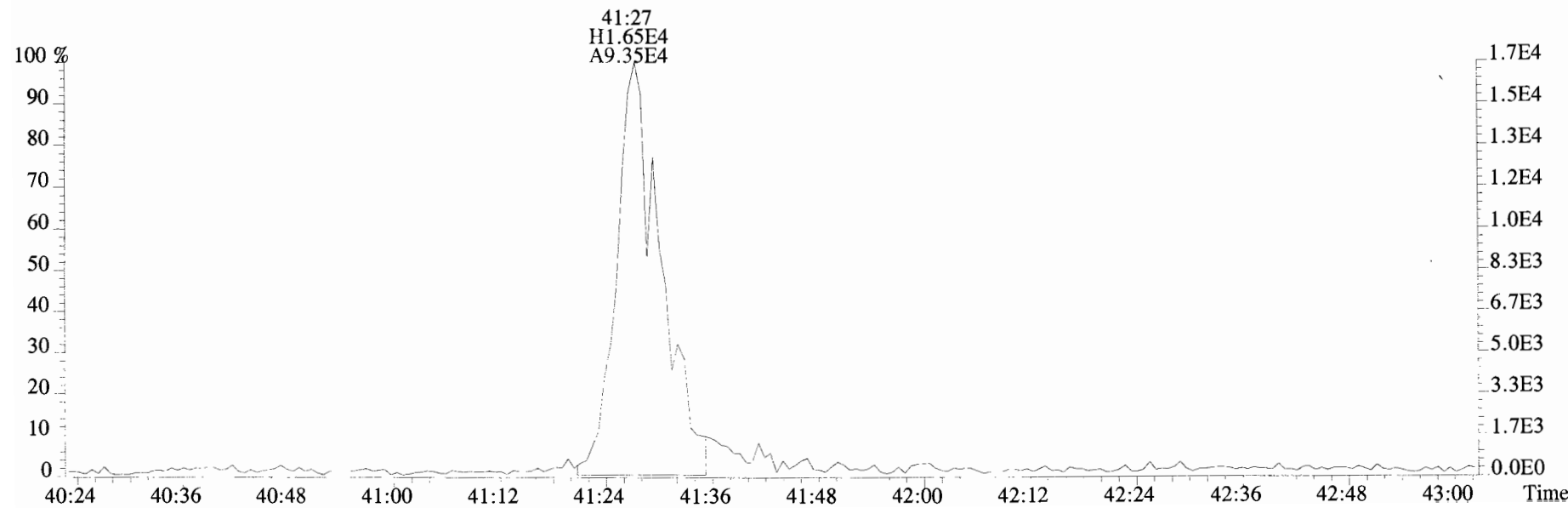
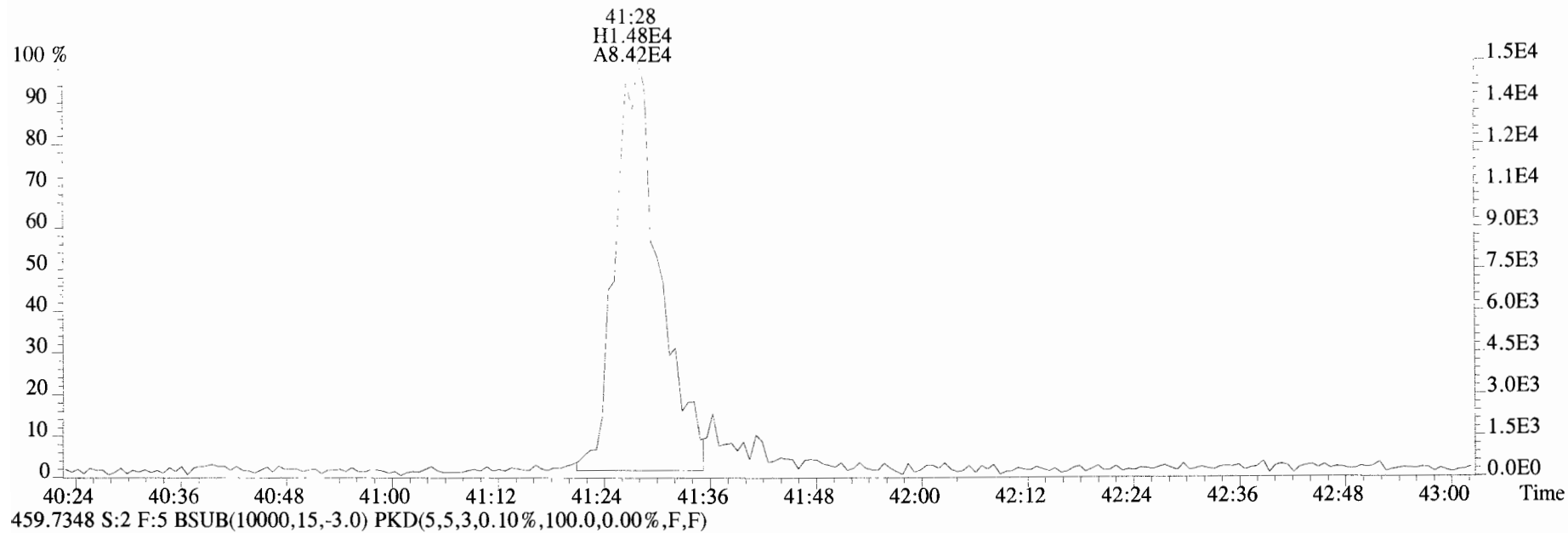
471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



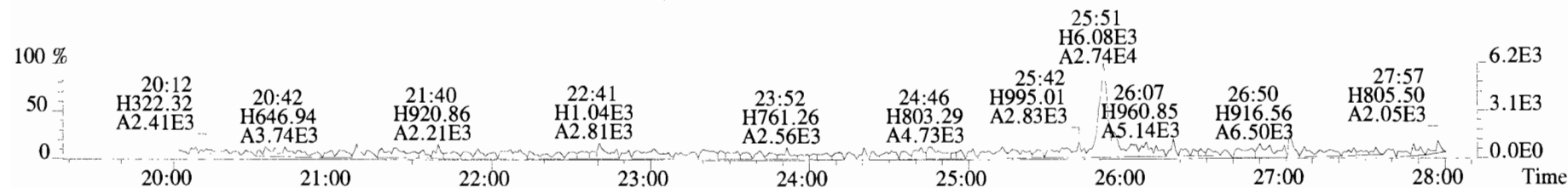
454.9728 S:2 F:5



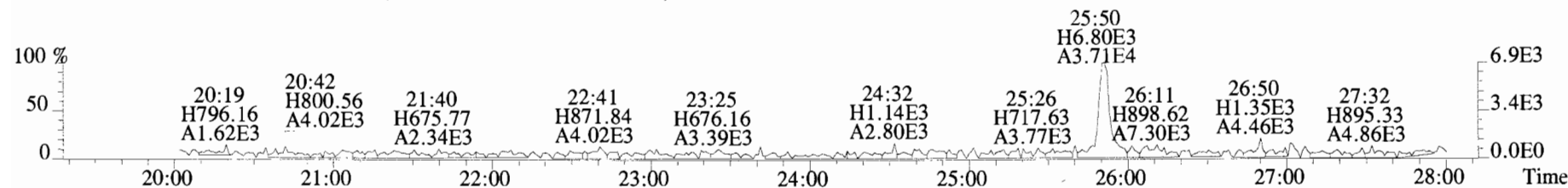
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



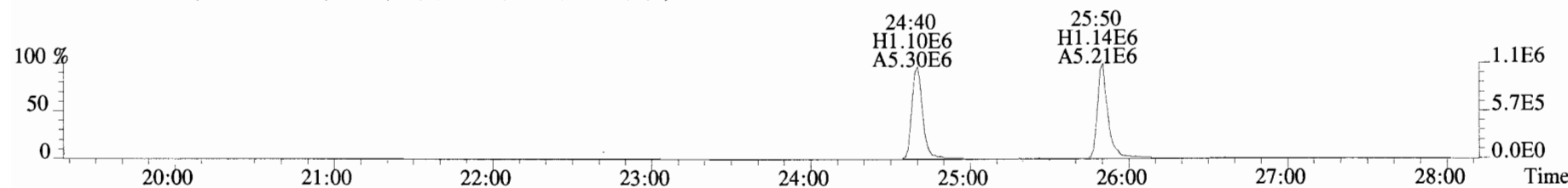
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



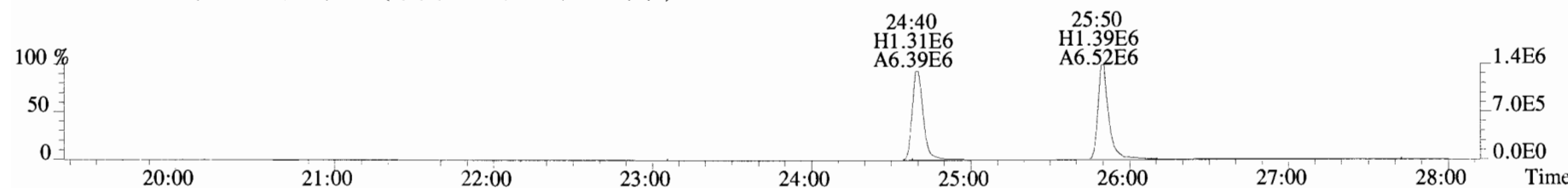
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



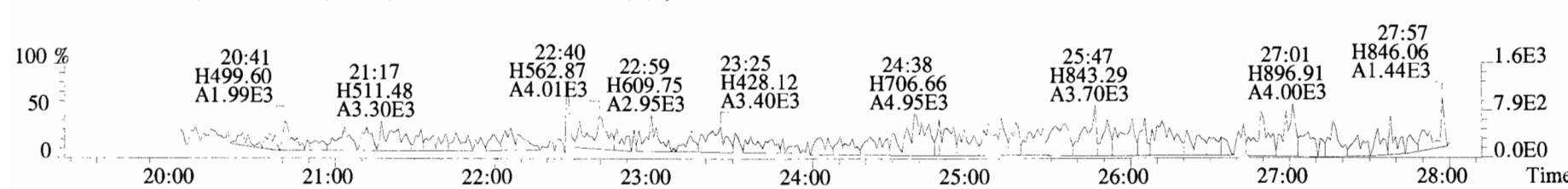
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



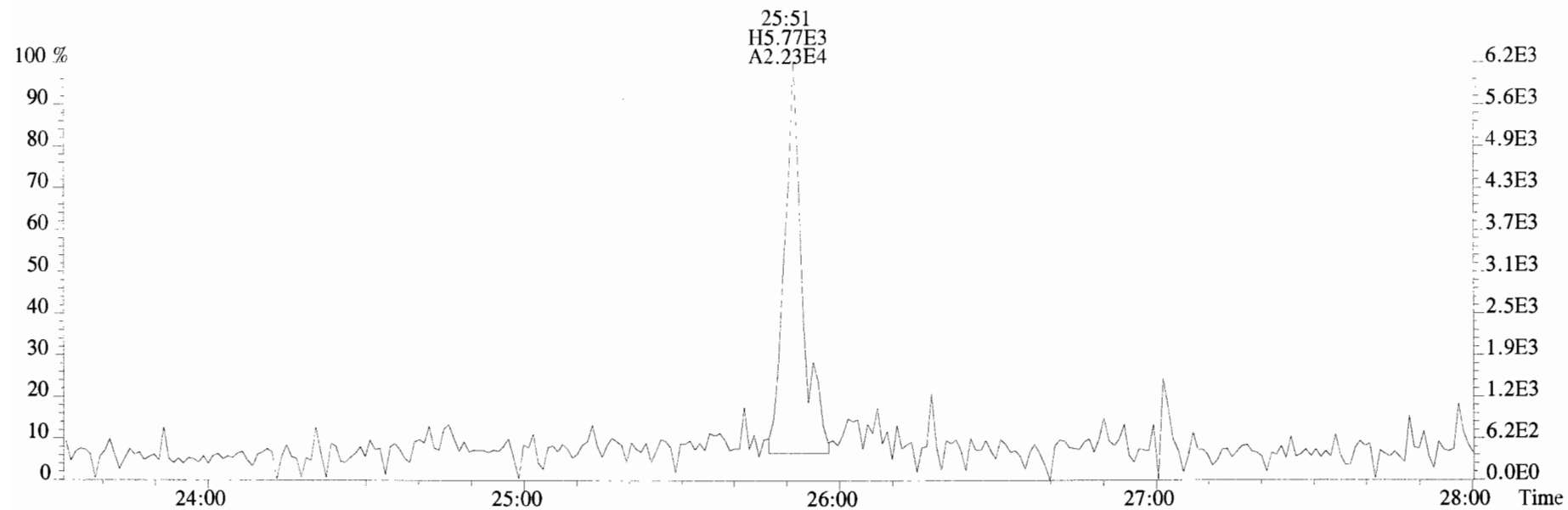
317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



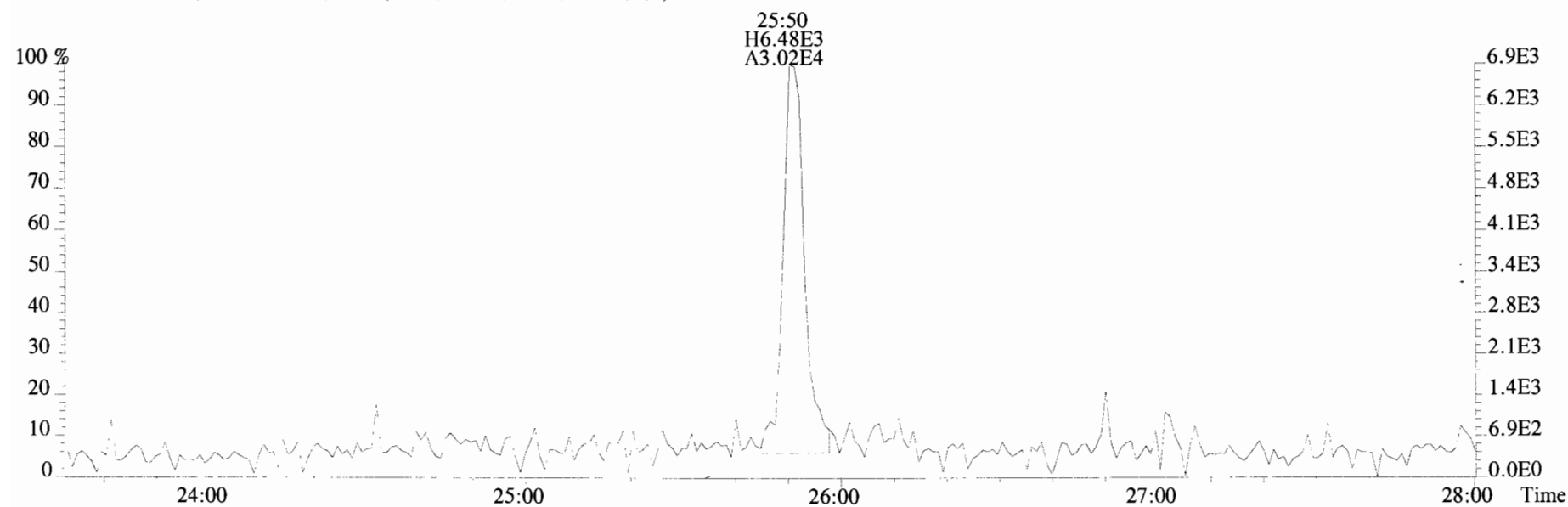
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



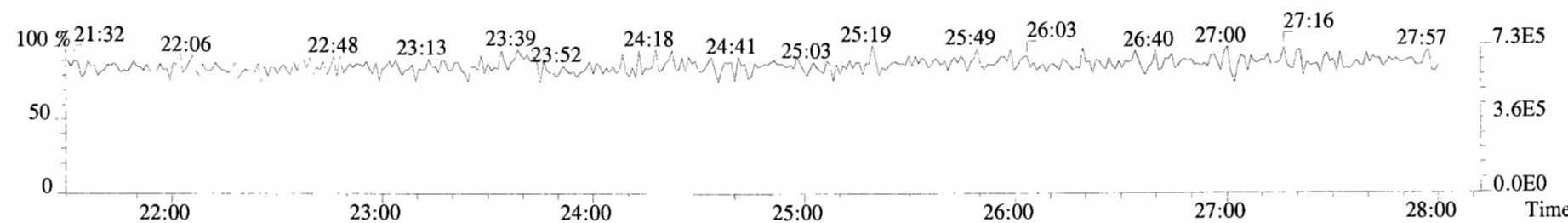
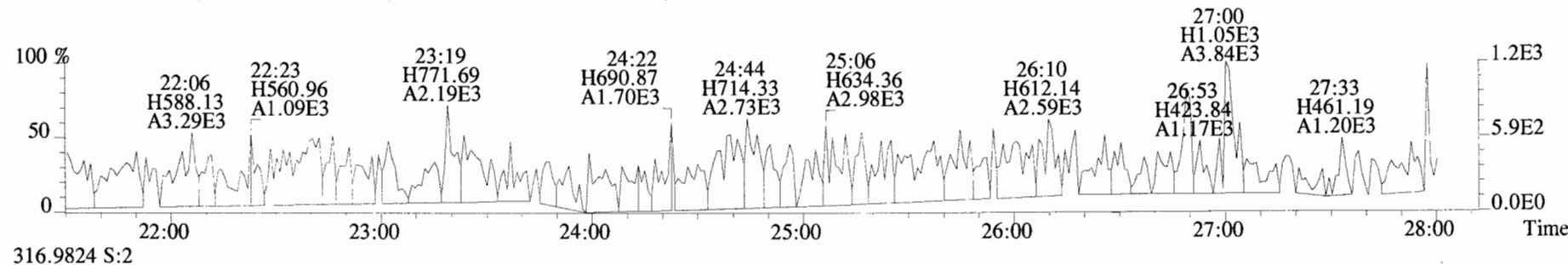
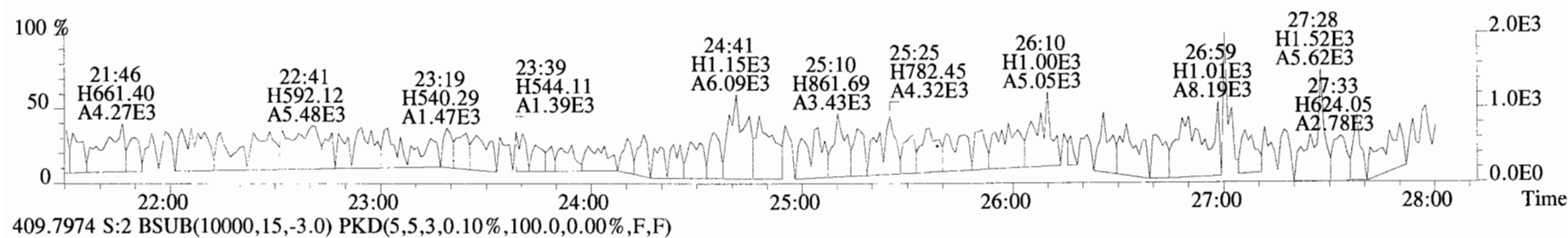
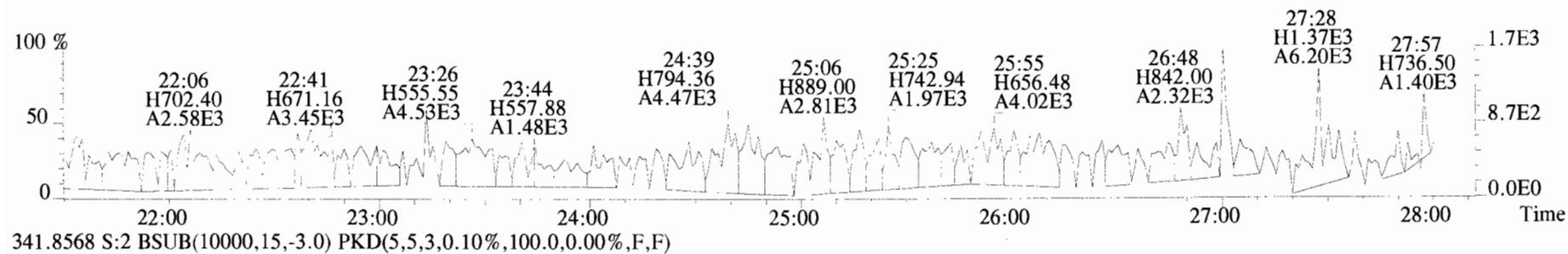
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



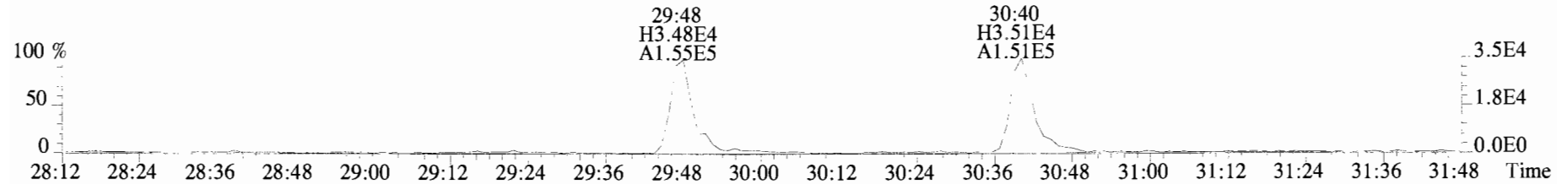
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



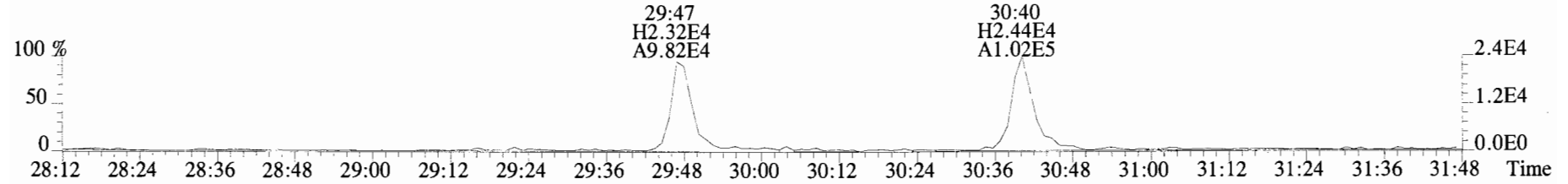
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



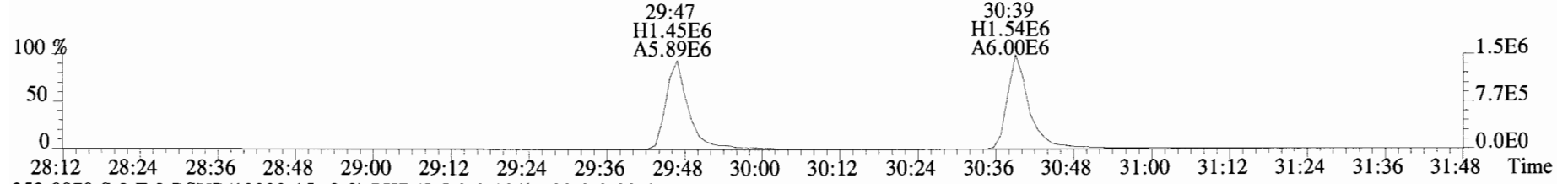
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



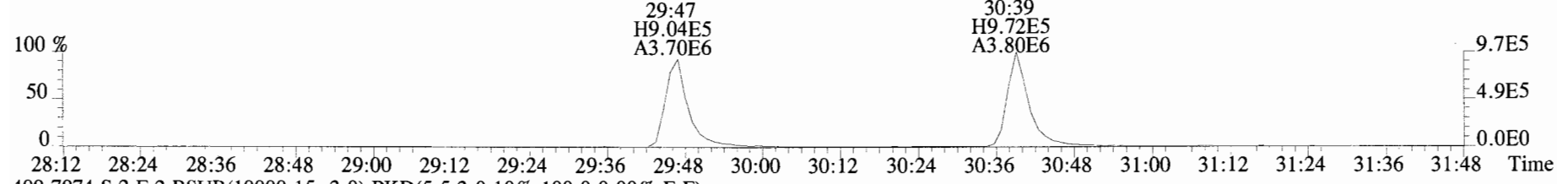
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



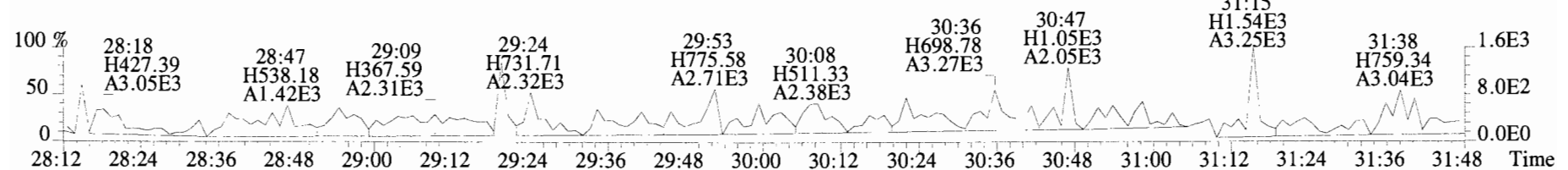
351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



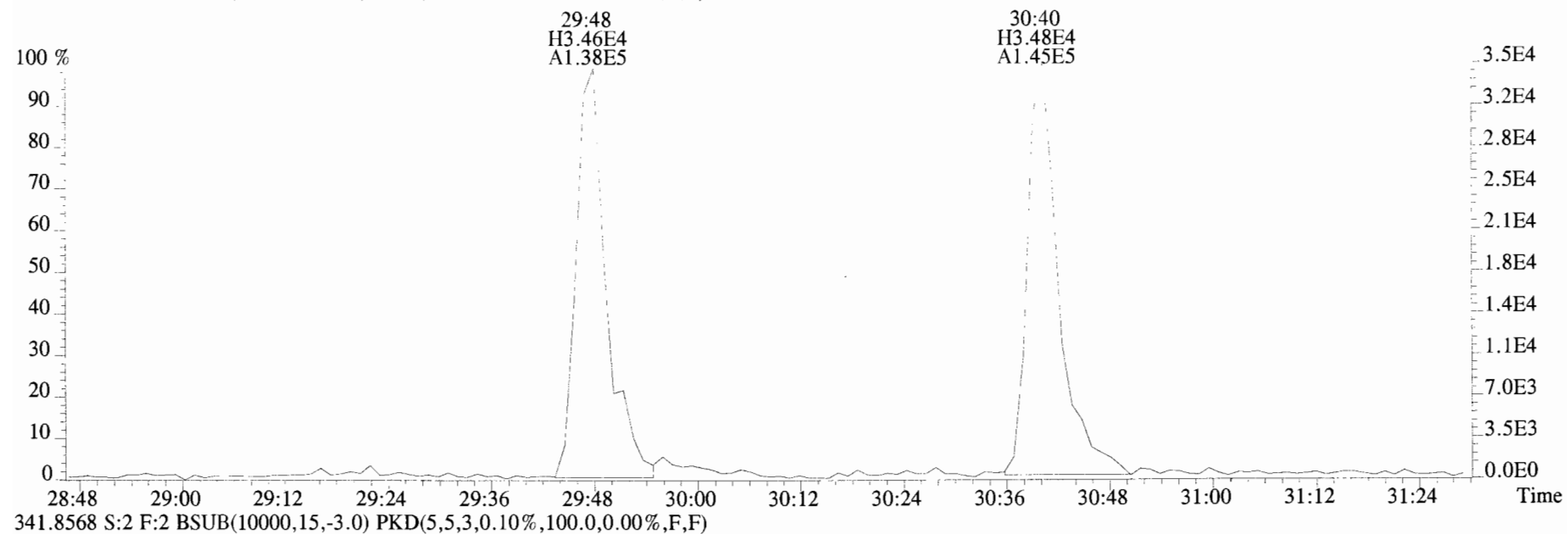
353.8970 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



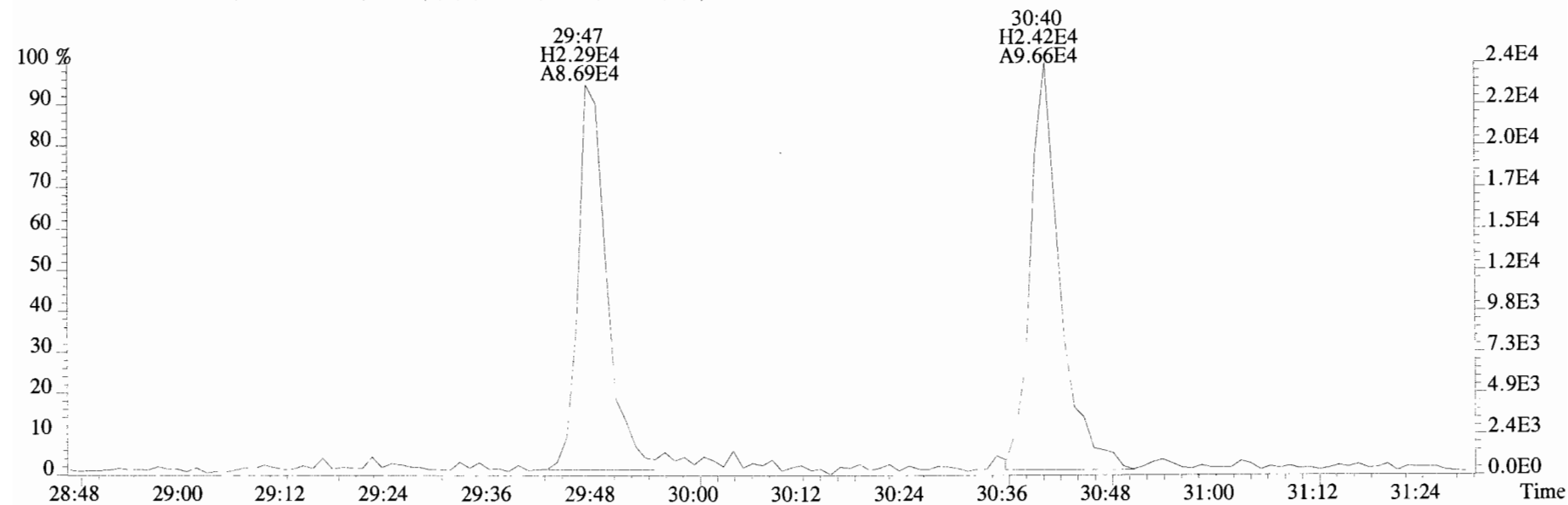
409.7974 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



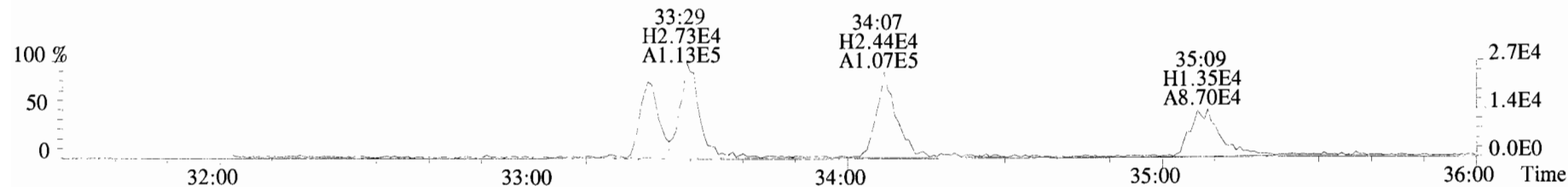
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



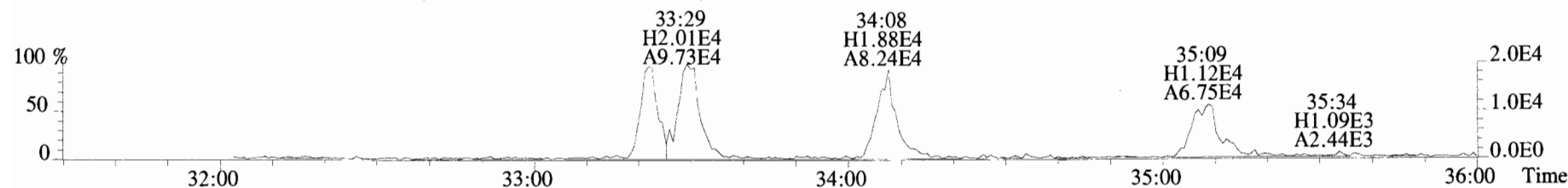
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



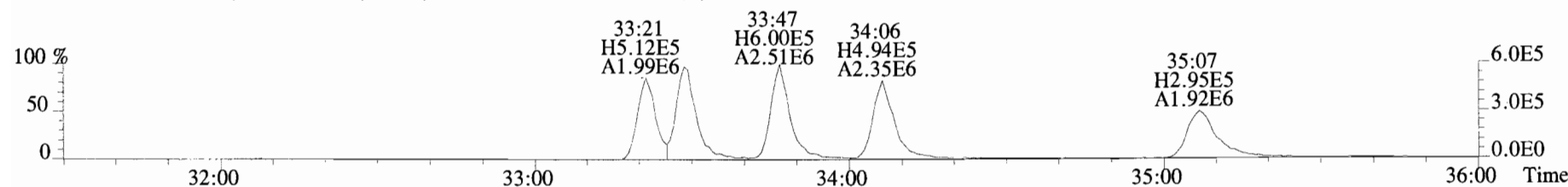
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



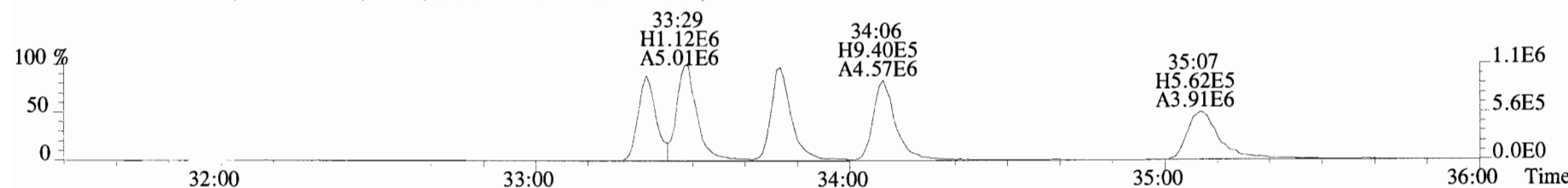
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



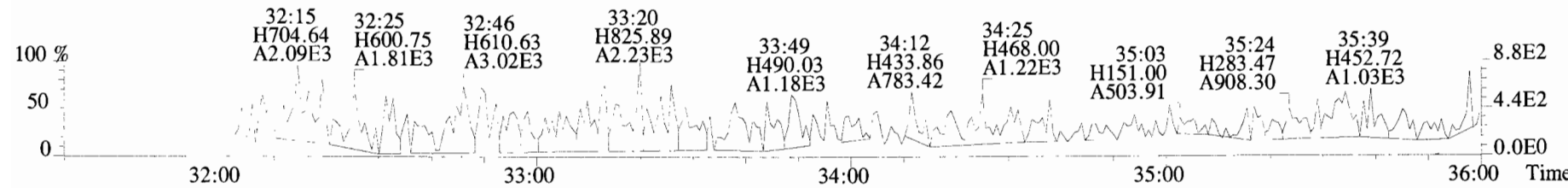
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



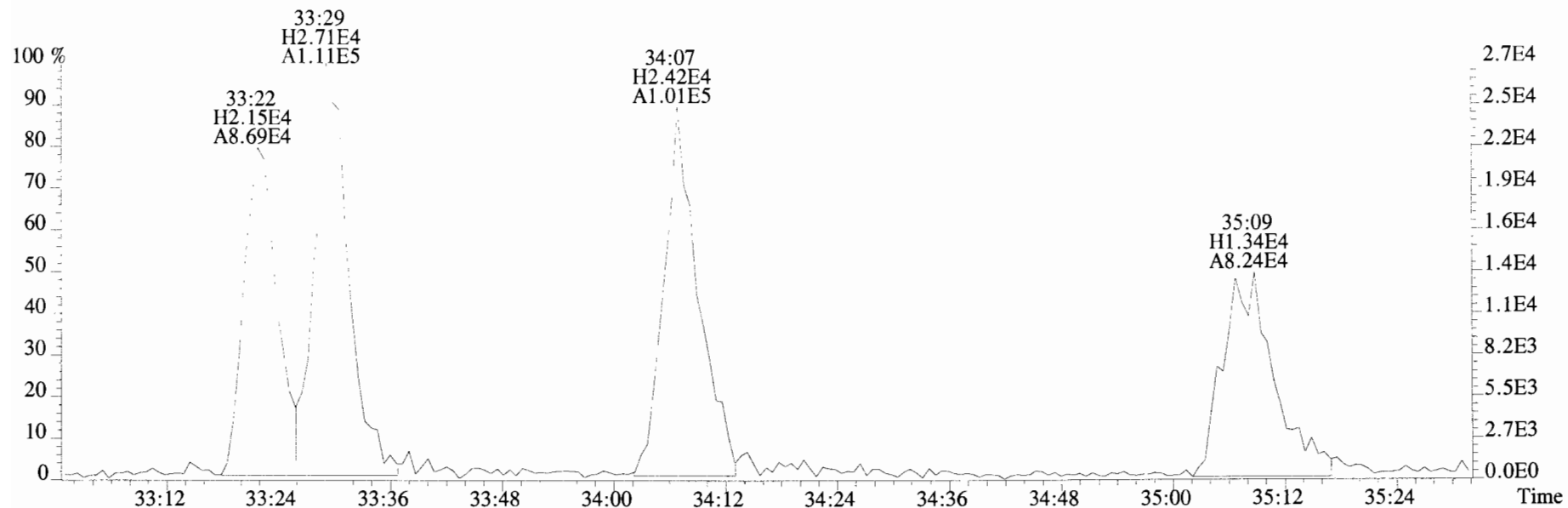
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



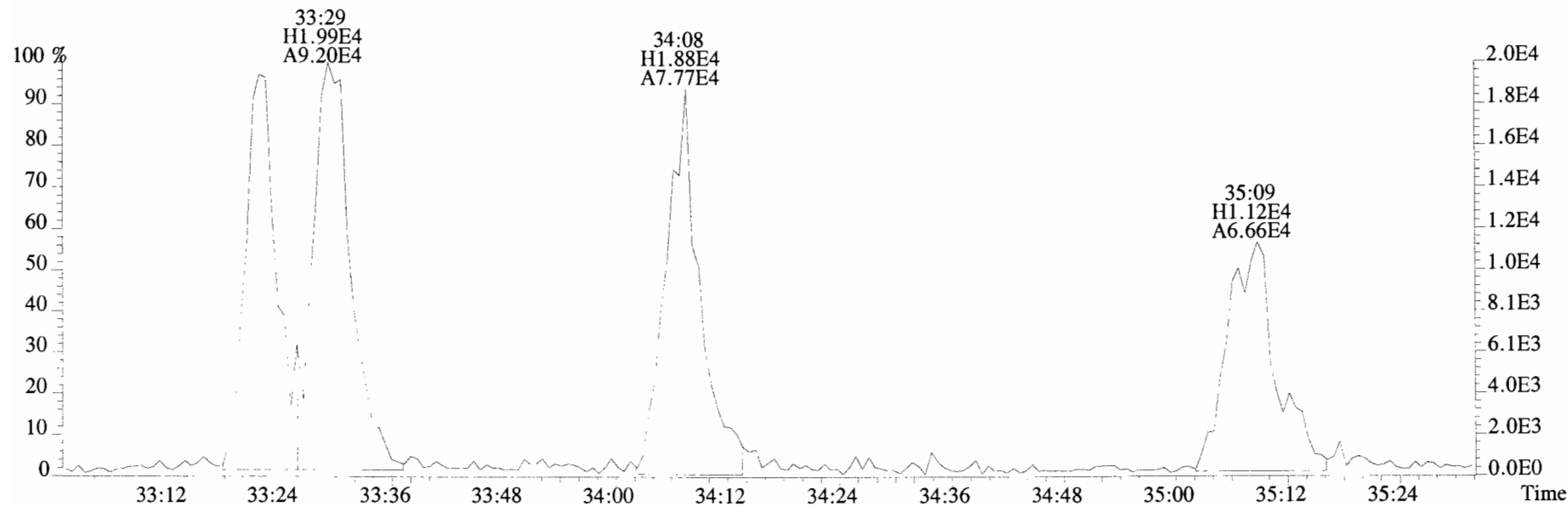
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



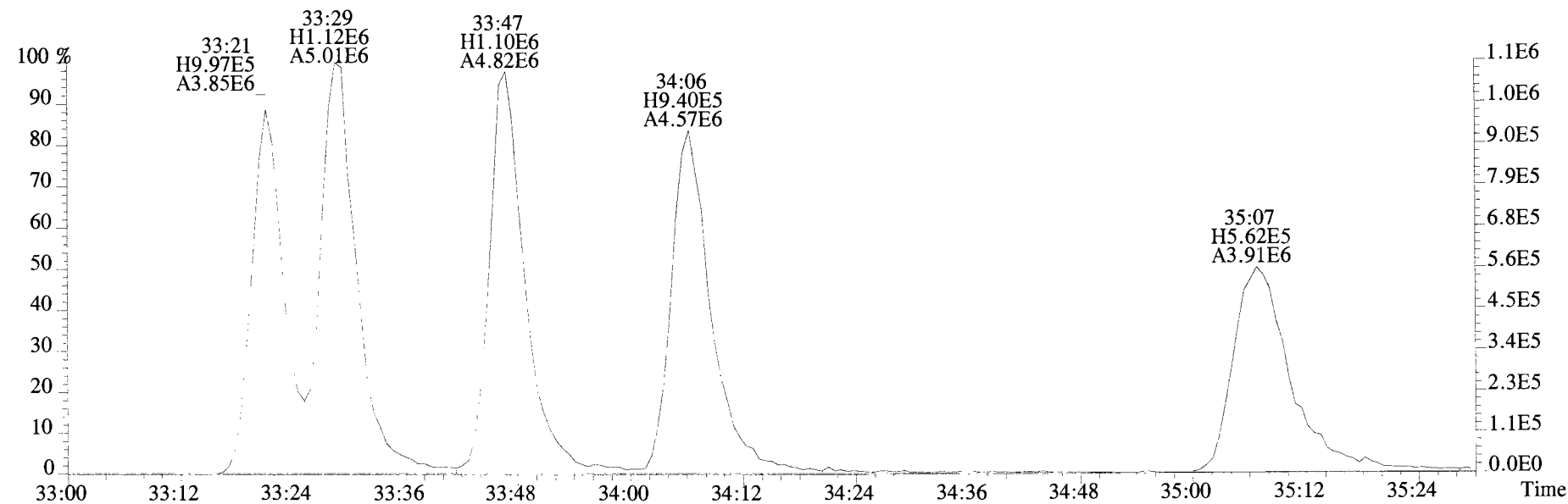
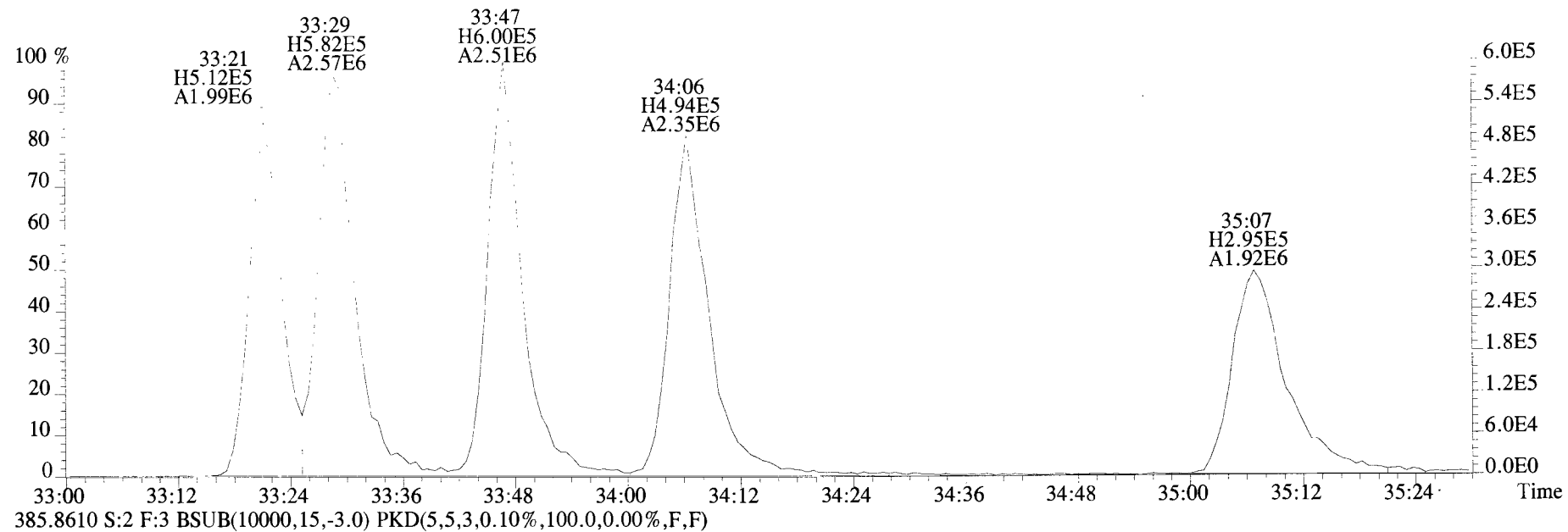
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



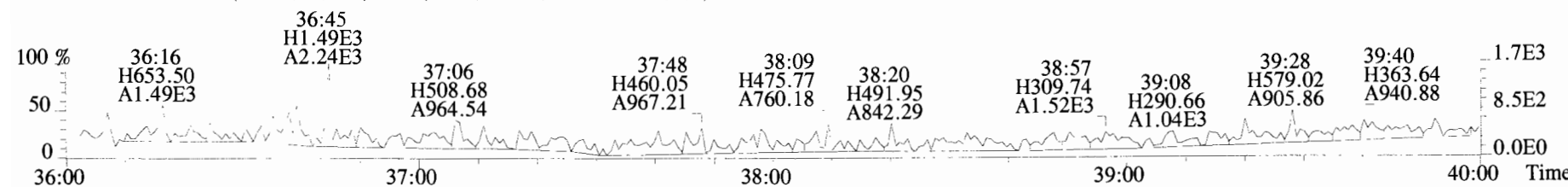
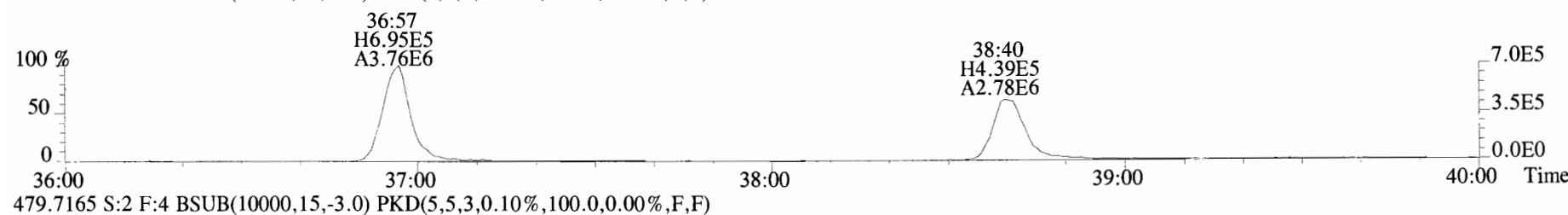
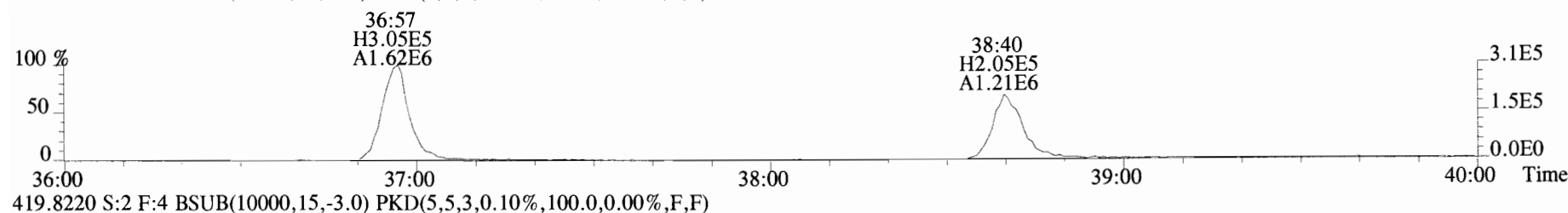
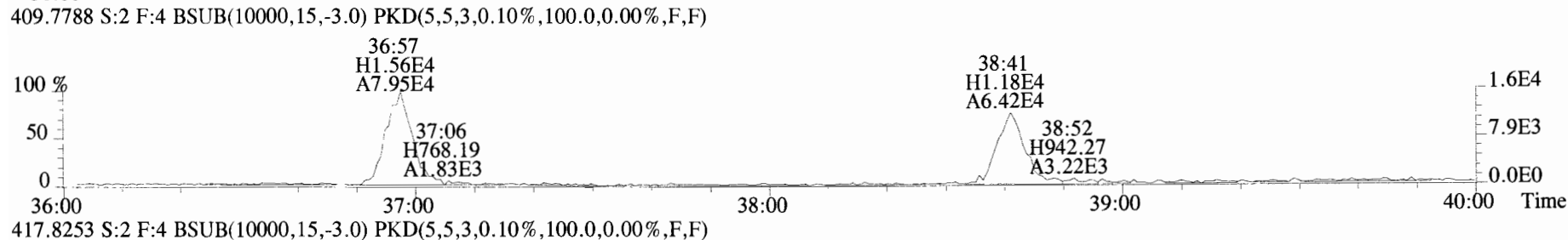
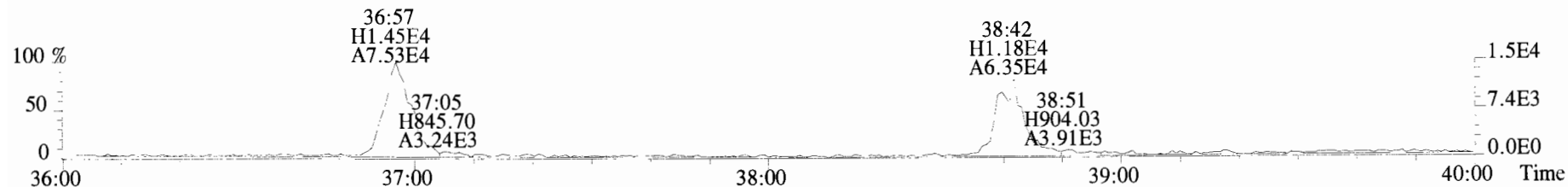
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



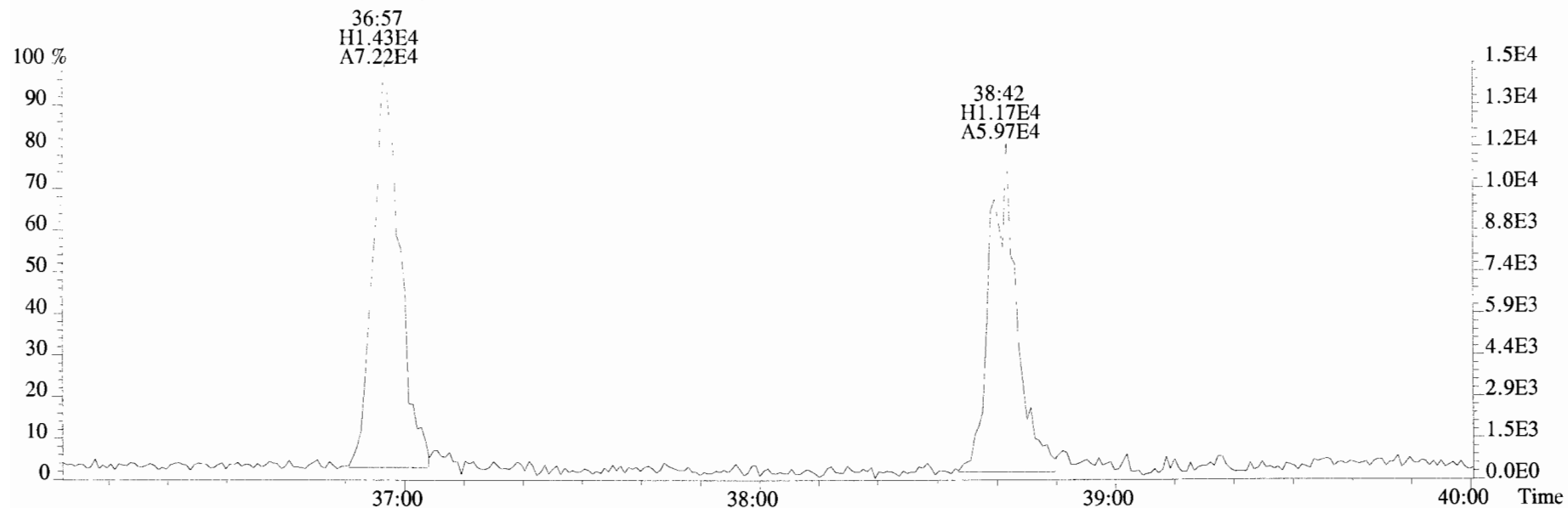
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



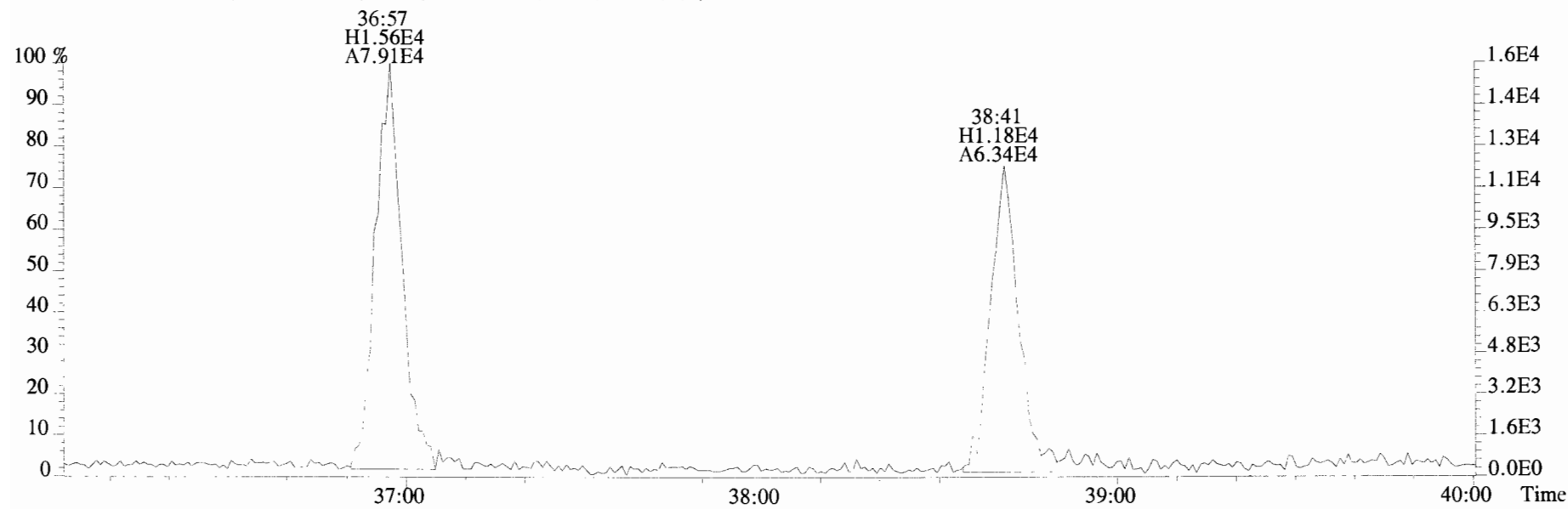
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



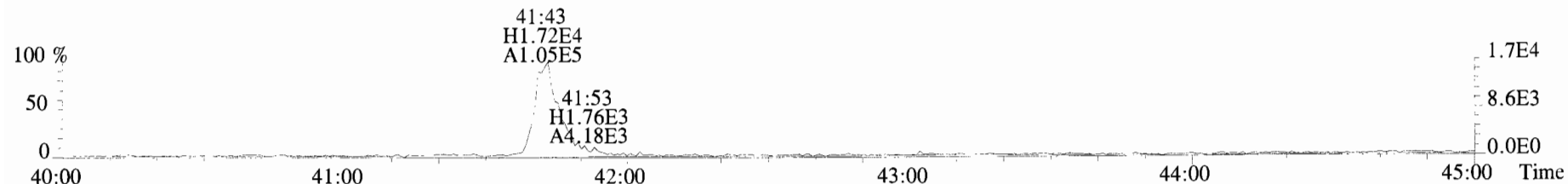
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



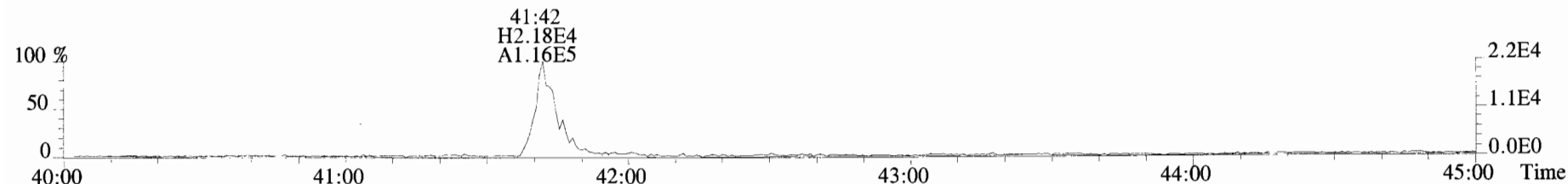
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



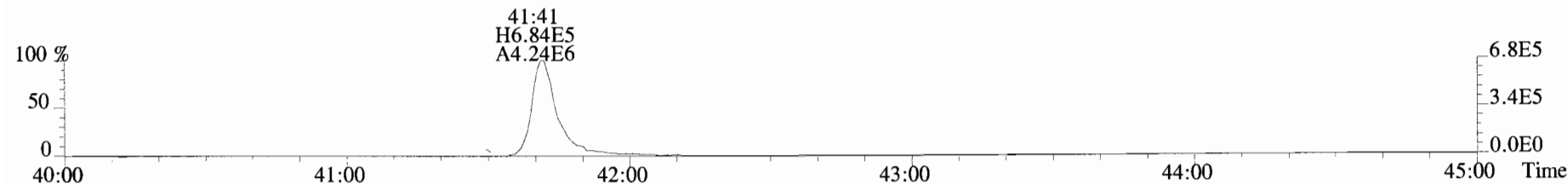
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



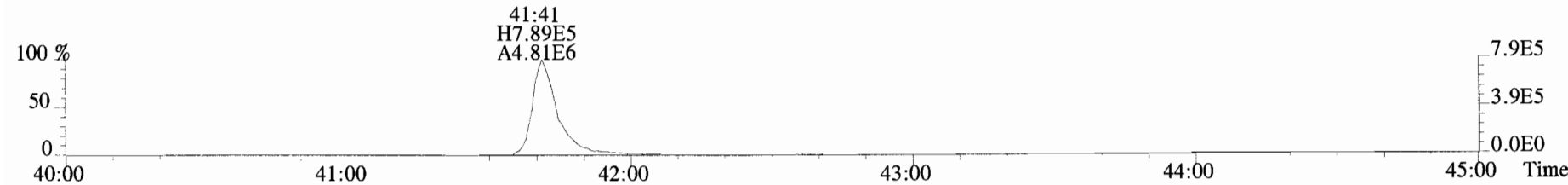
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



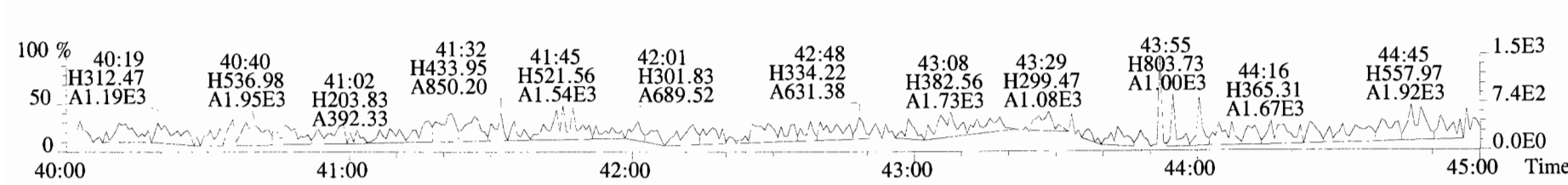
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



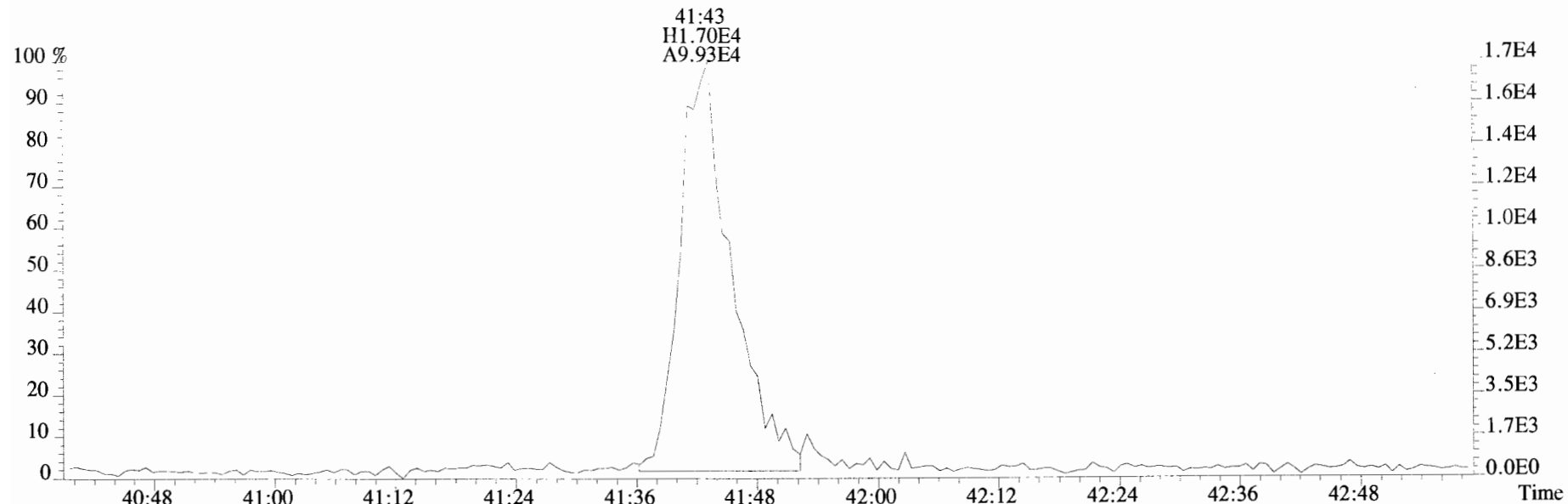
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



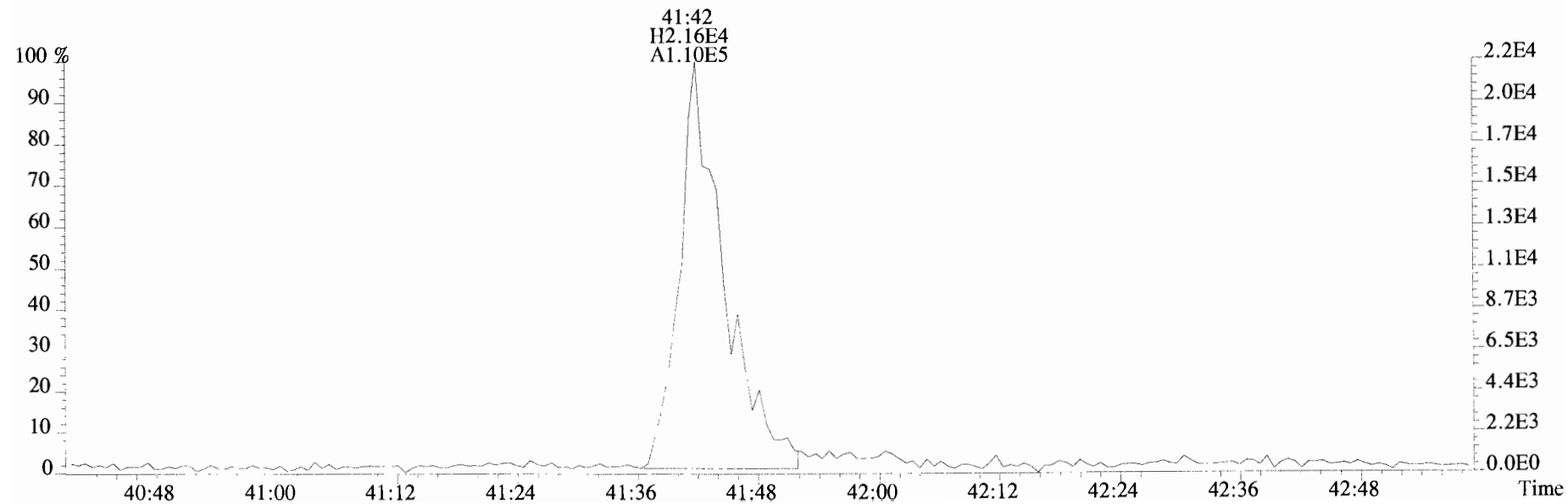
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



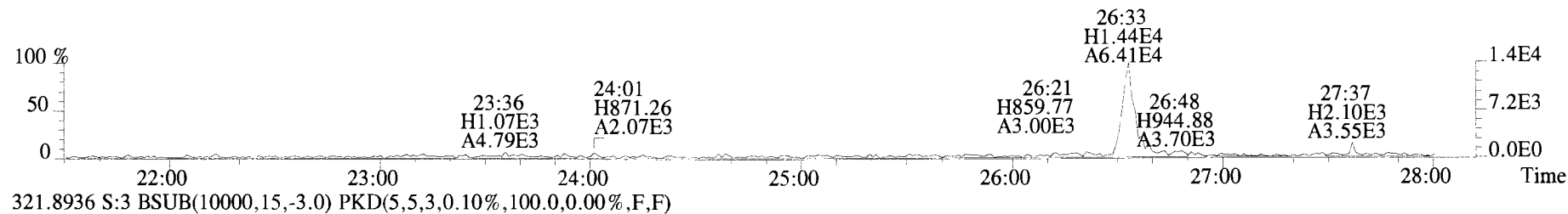
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



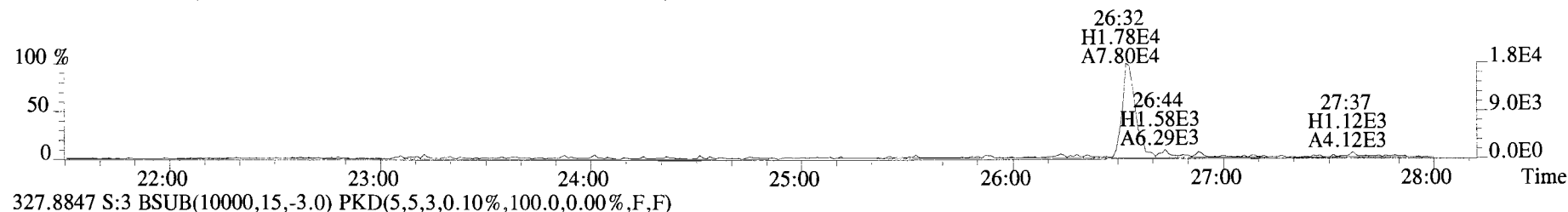
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



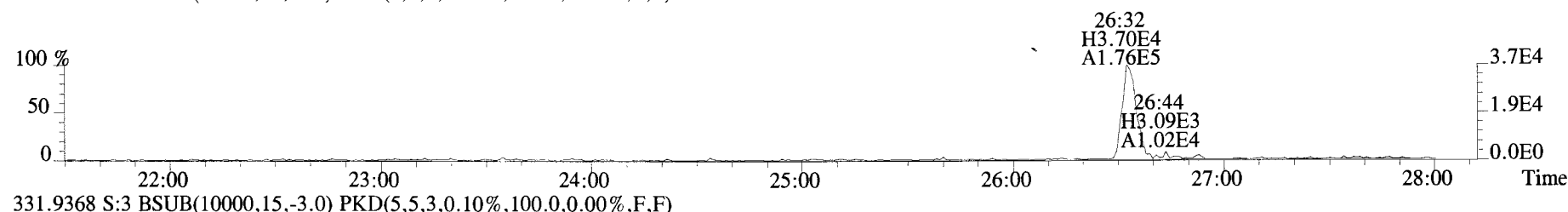
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



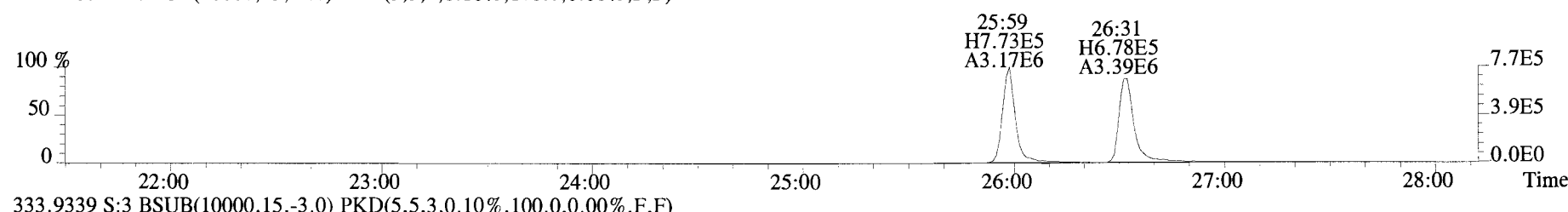
321.8936 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



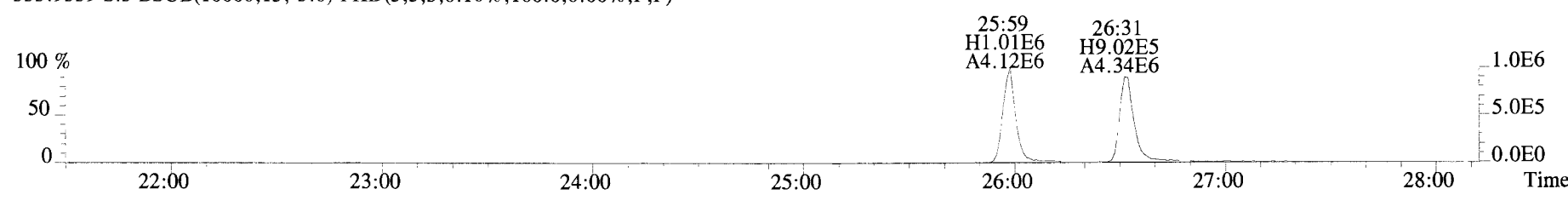
327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



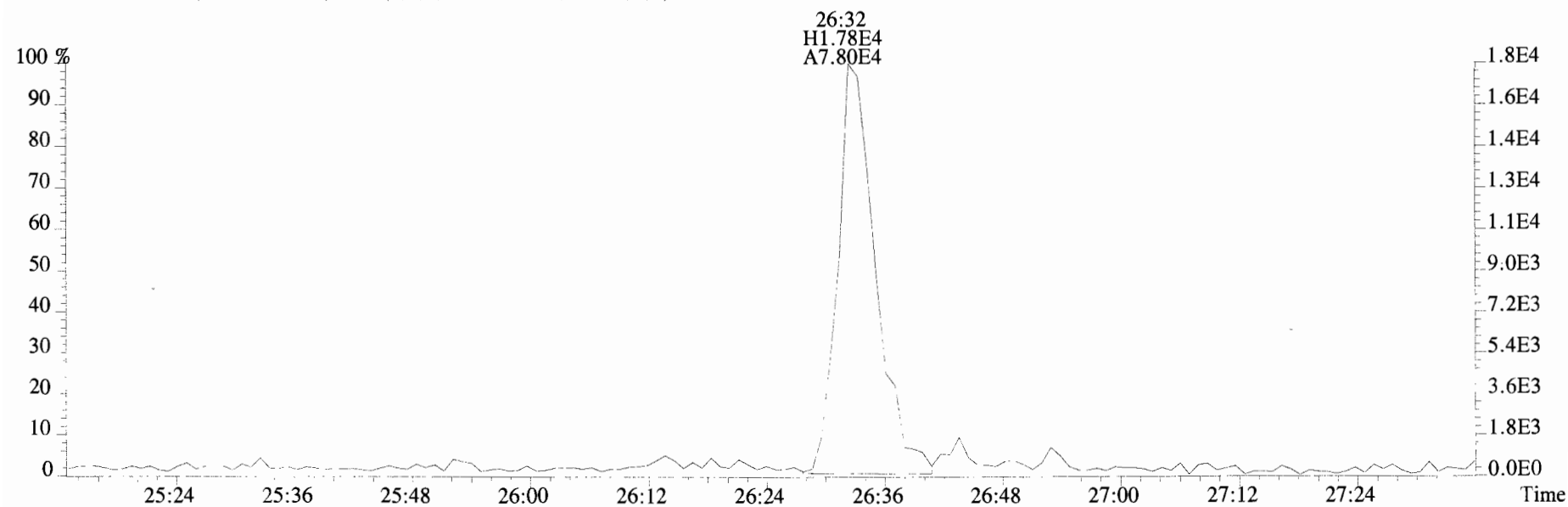
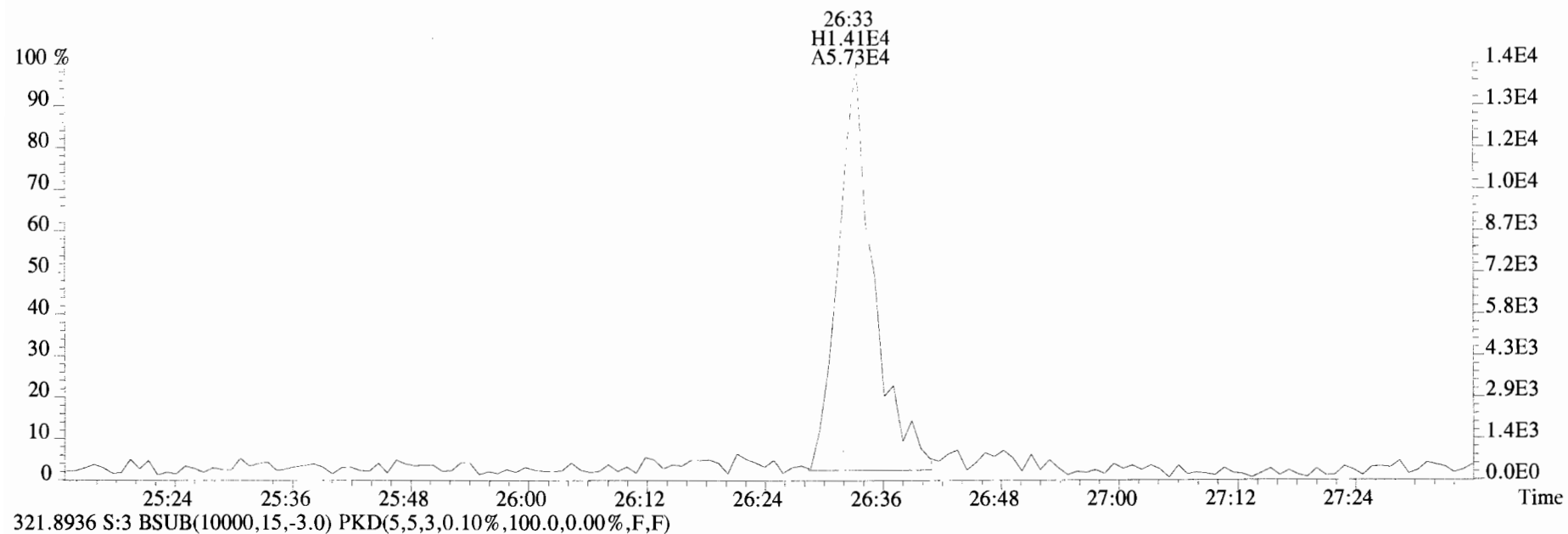
331.9368 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



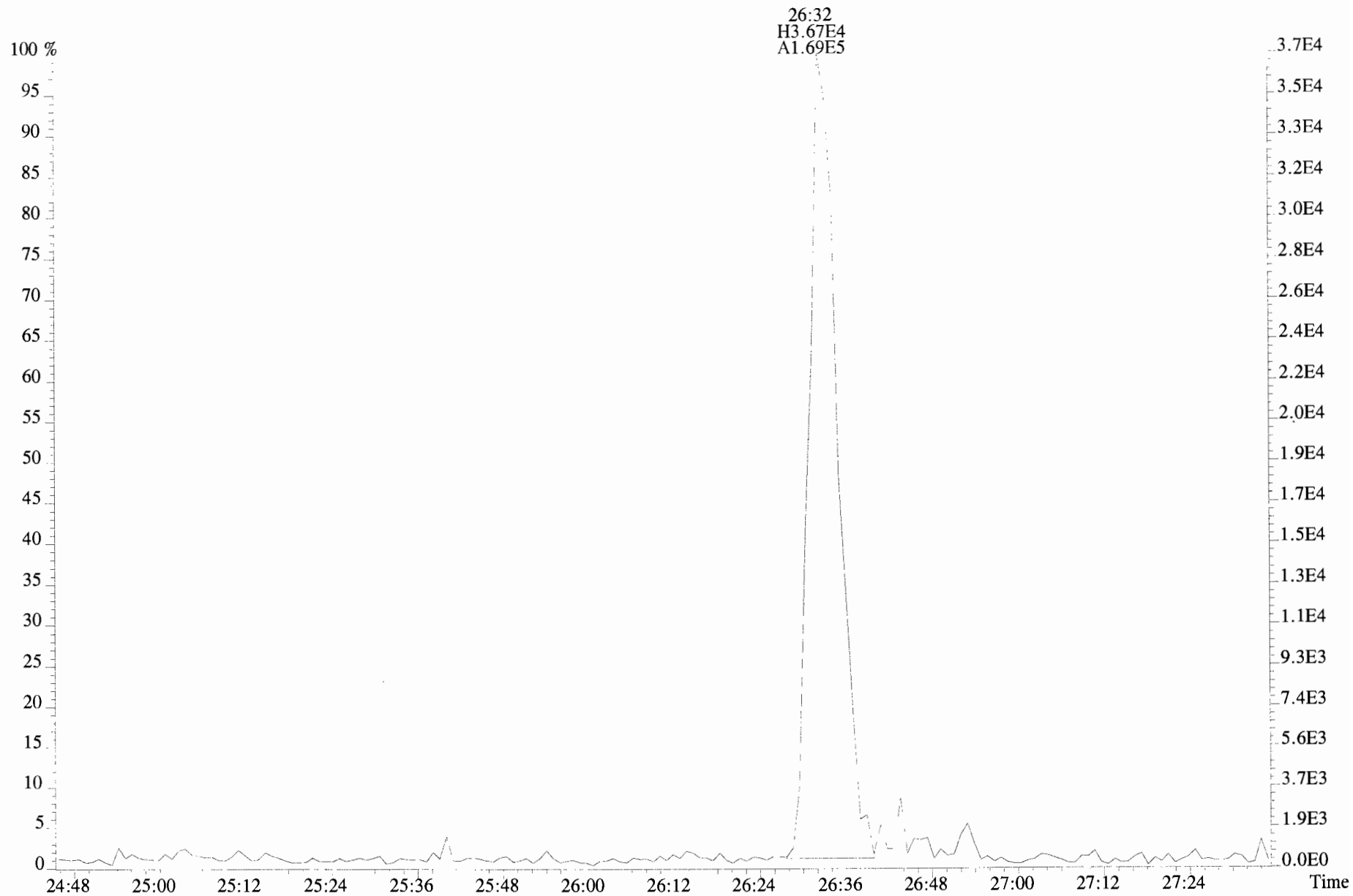
333.9339 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



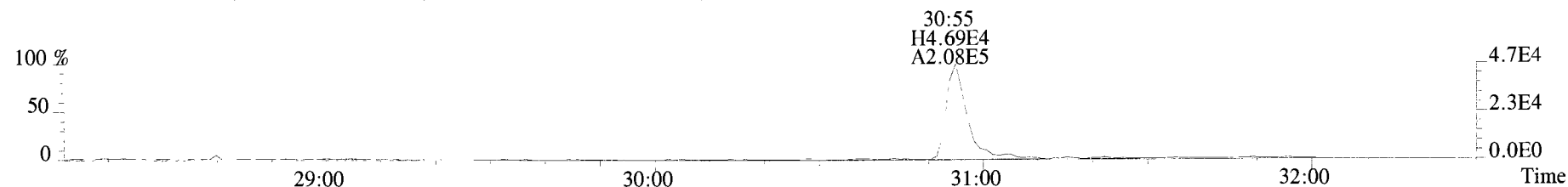
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



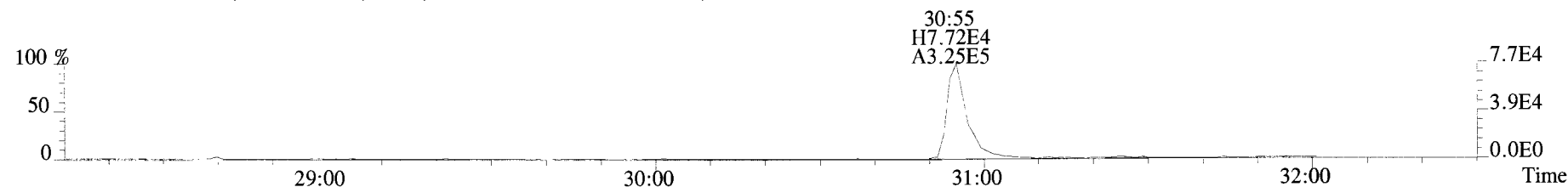
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
327.8847 S:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



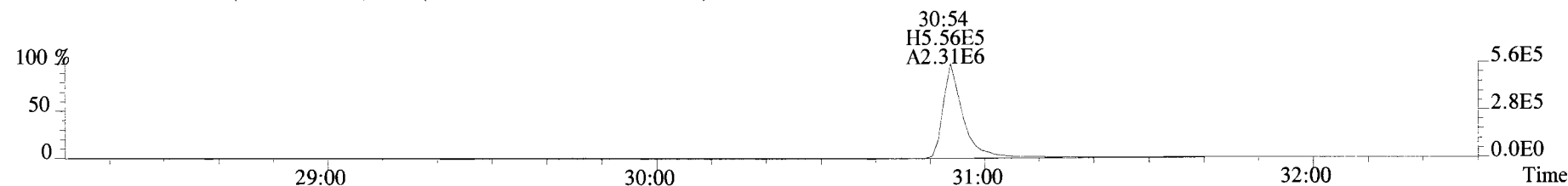
File:191009D1 #1-211 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
353.8576 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



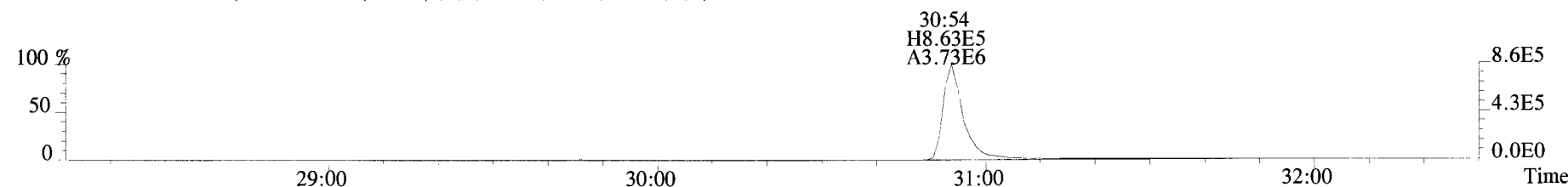
355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



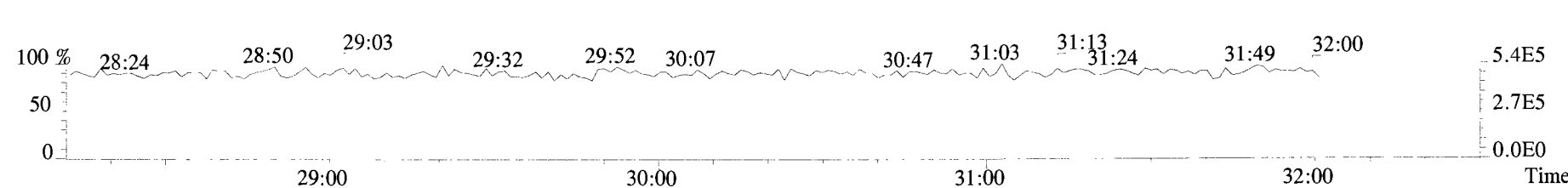
365.8978 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



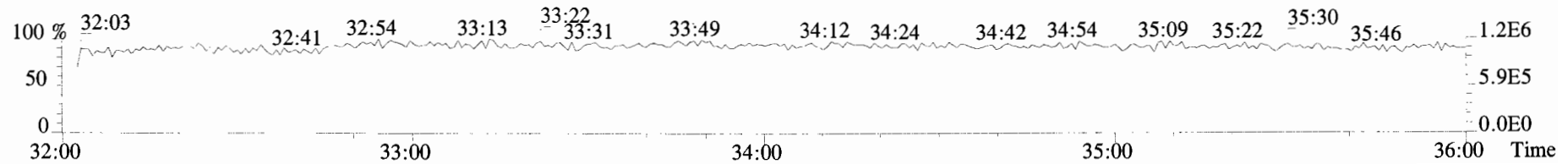
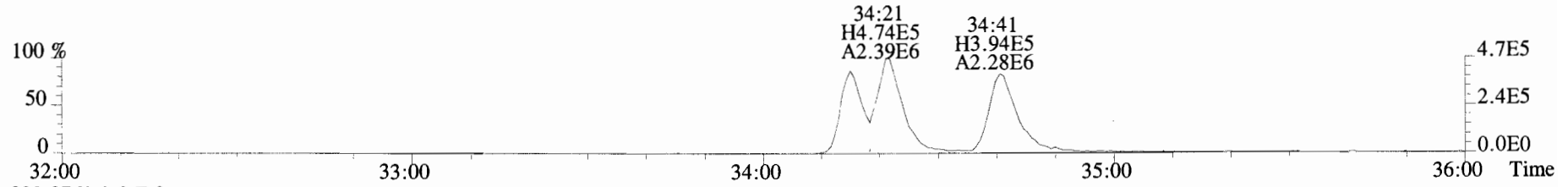
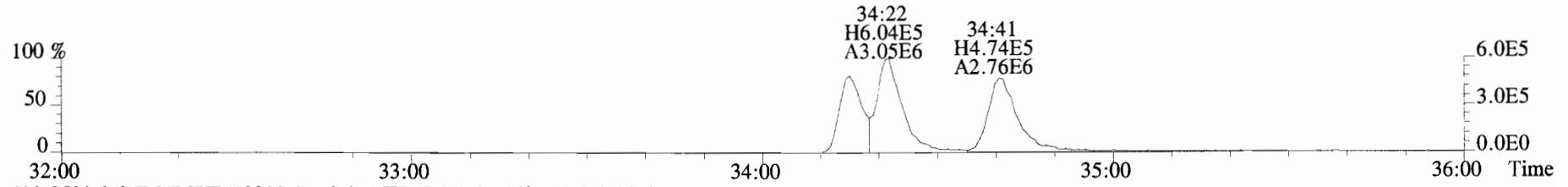
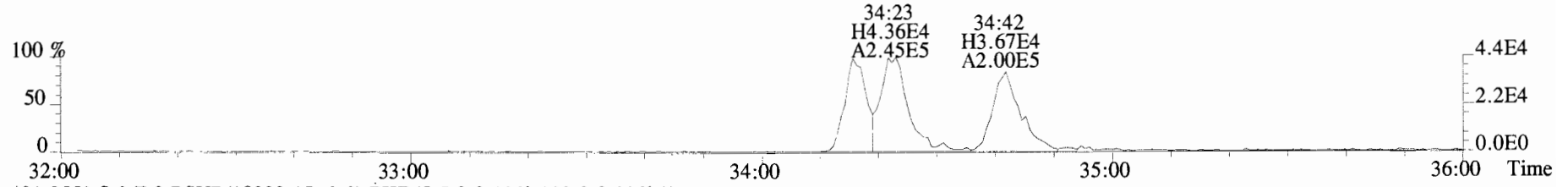
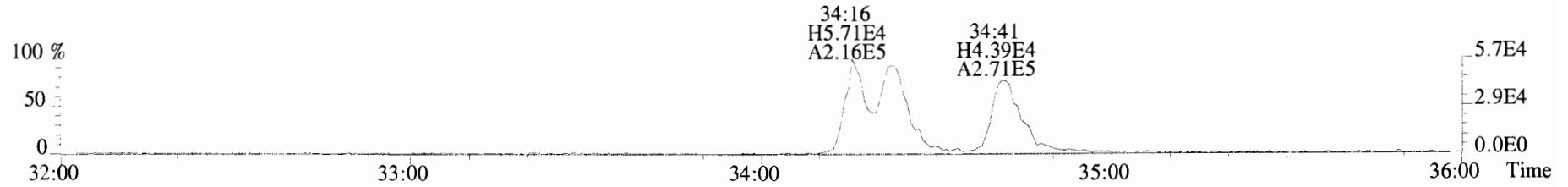
367.8949 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



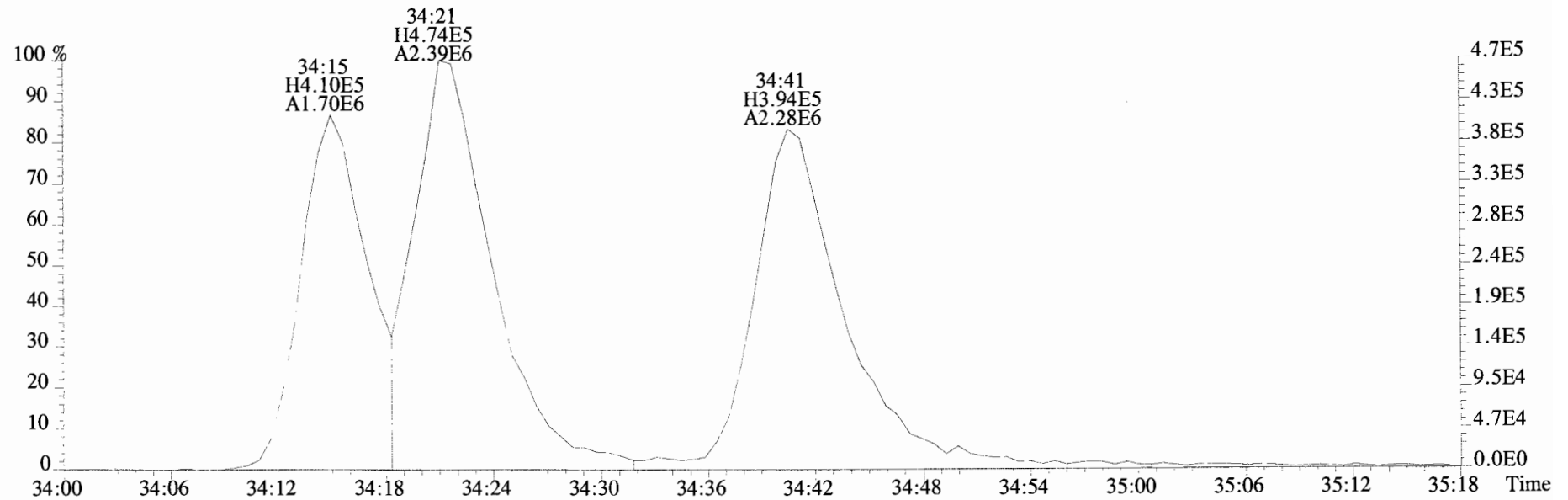
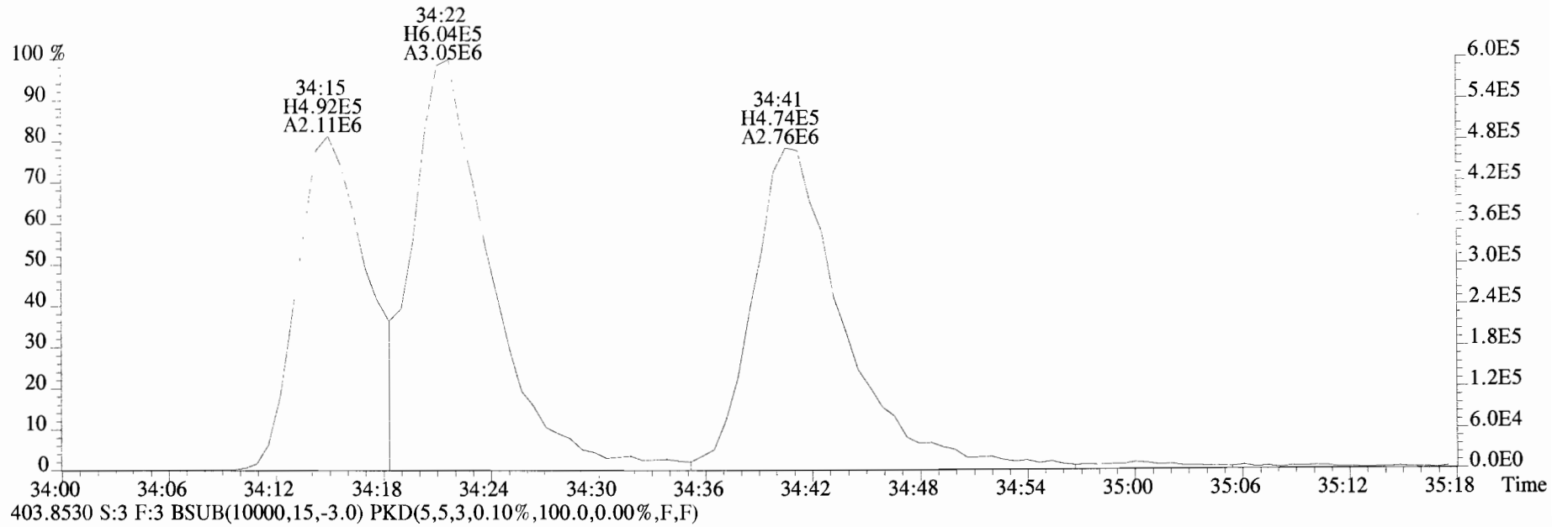
366.9792 S:3 F:2



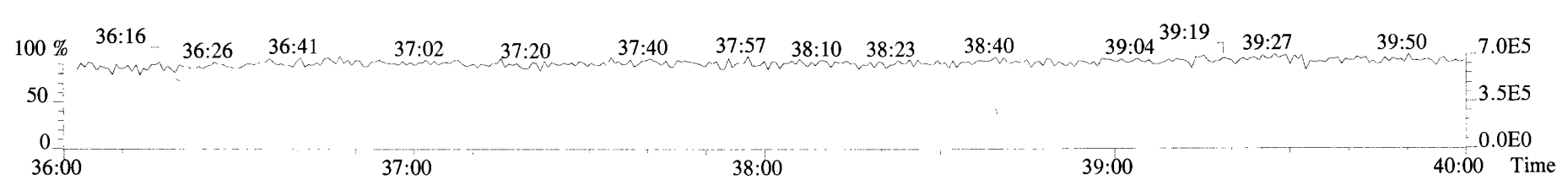
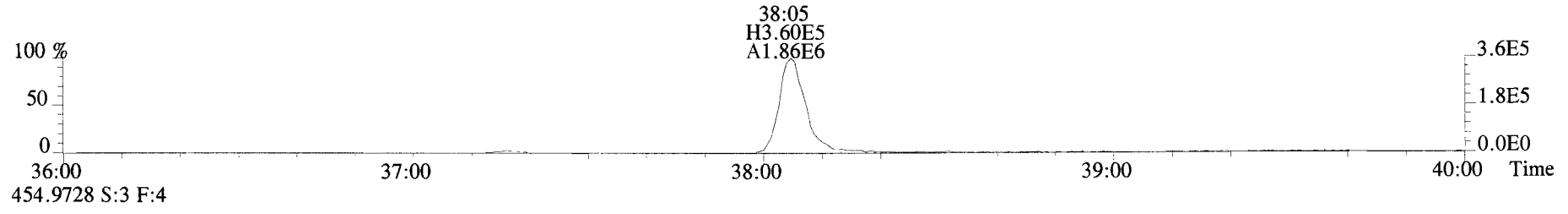
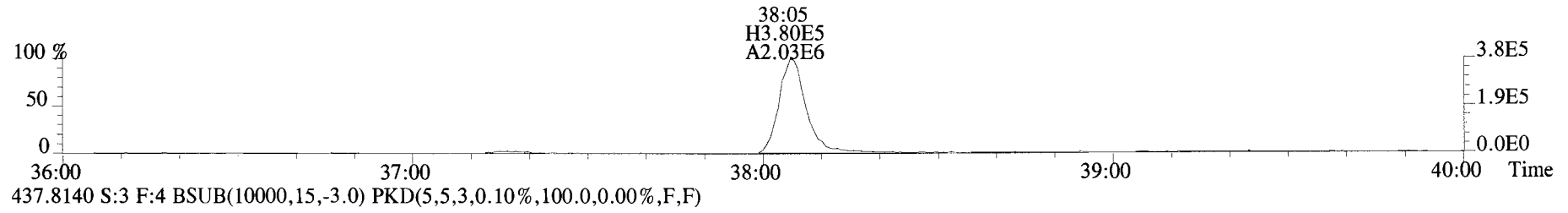
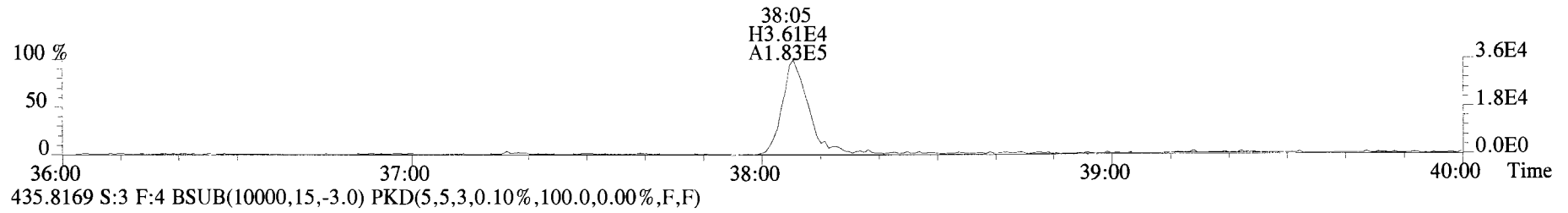
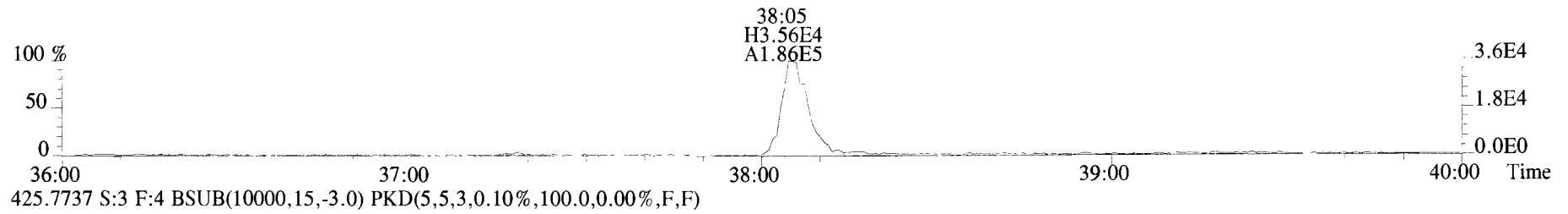
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



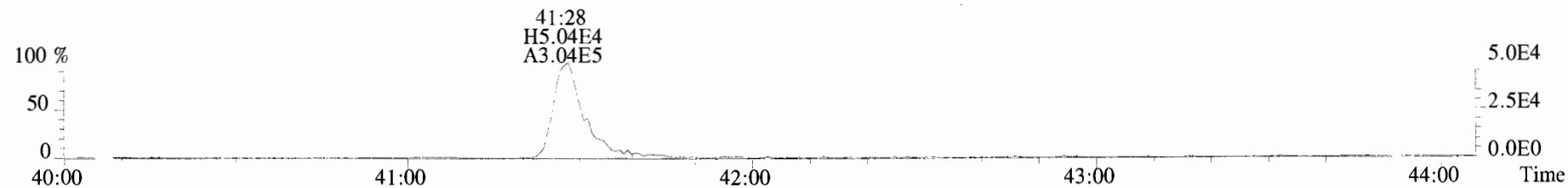
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text: Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



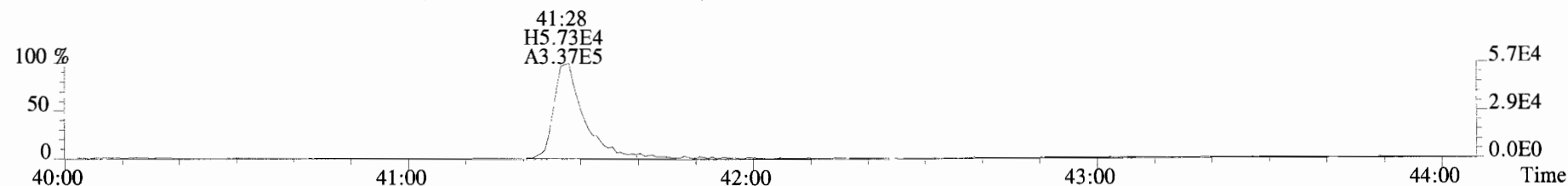
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



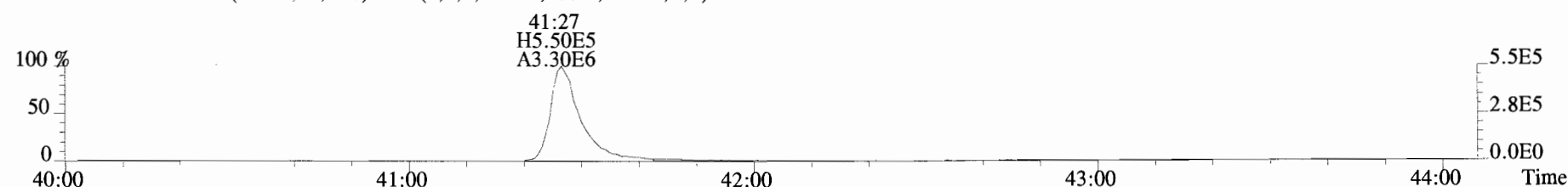
File:191009D1 #1-432 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



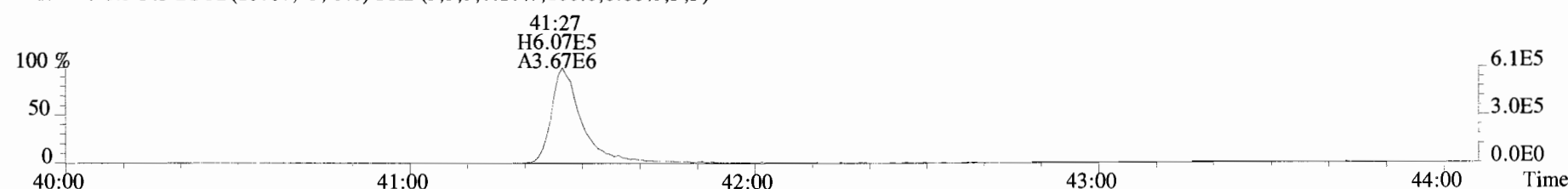
459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



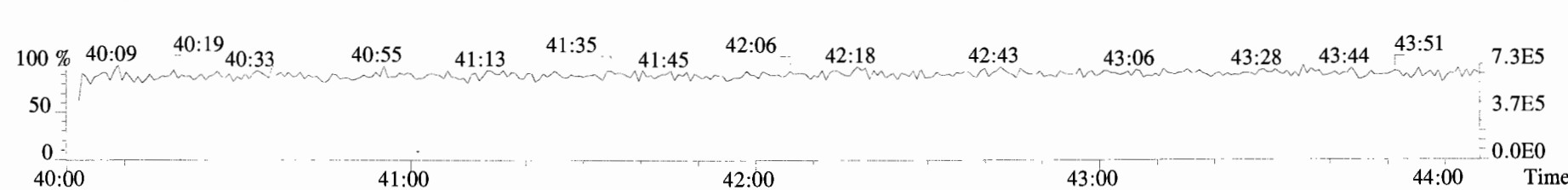
469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



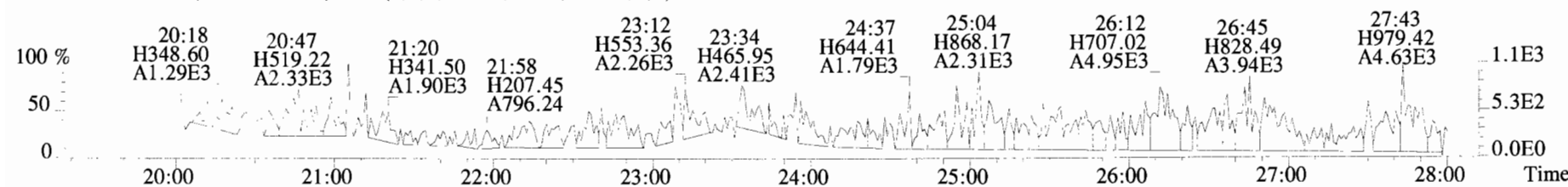
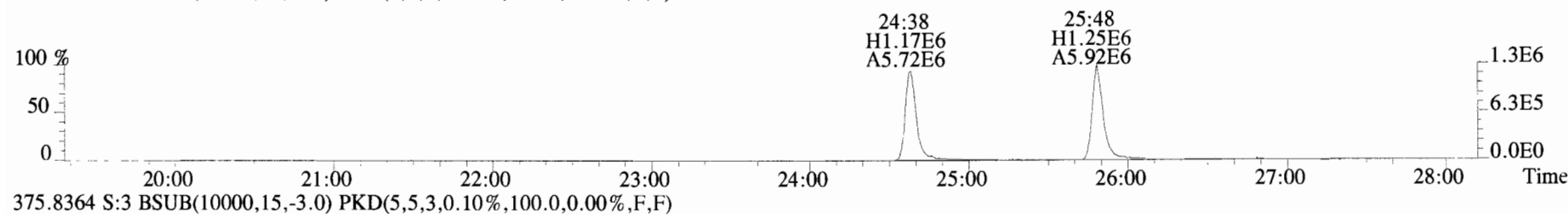
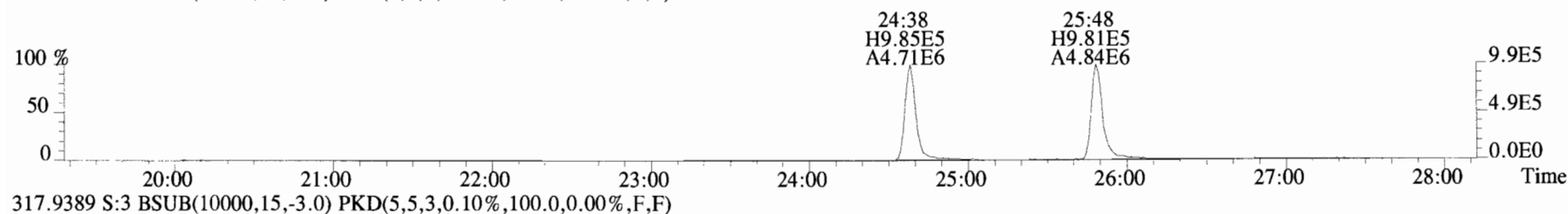
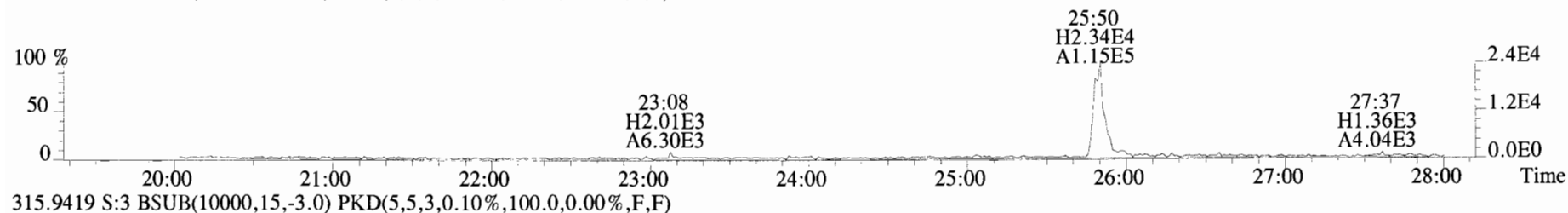
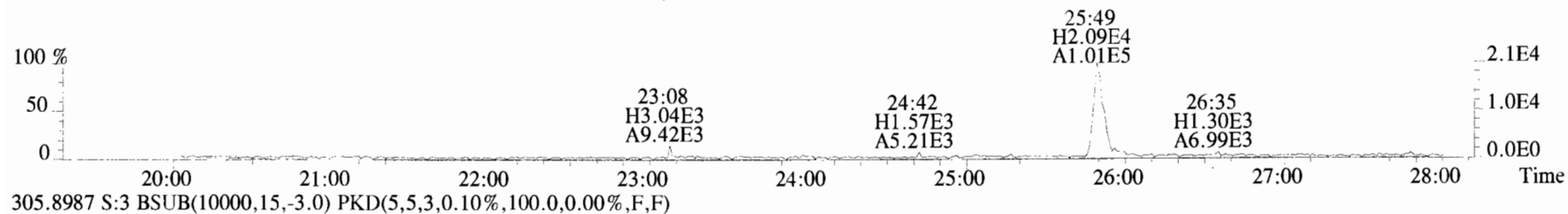
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



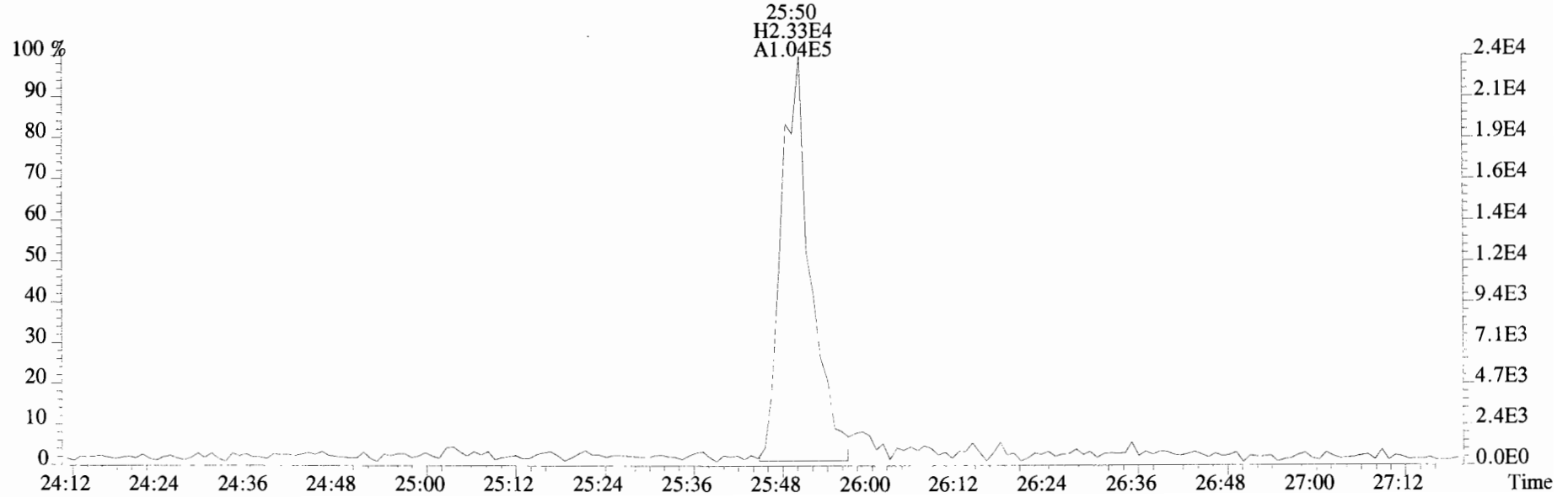
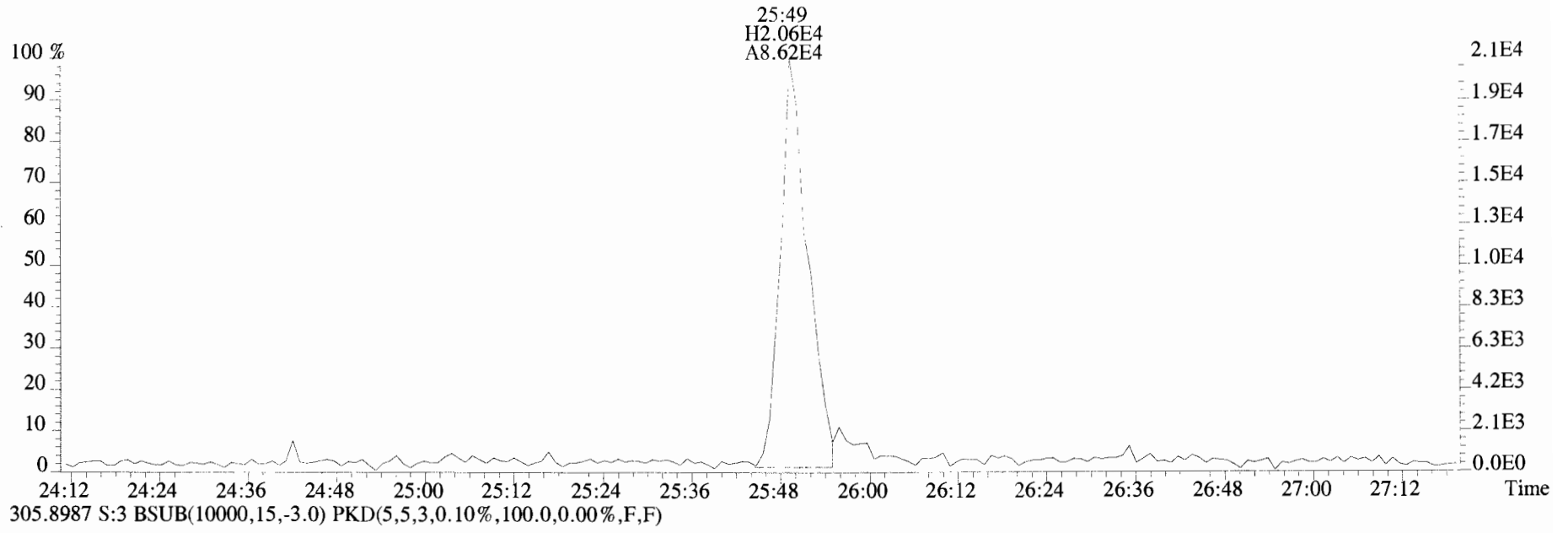
454.9728 S:3 F:5



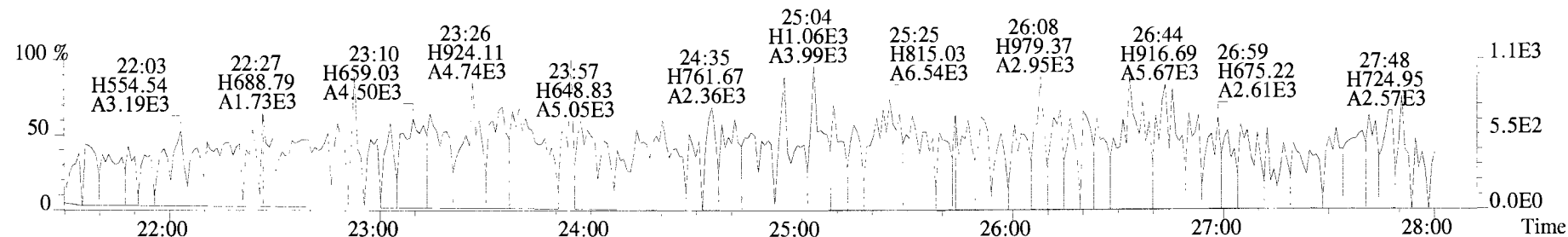
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



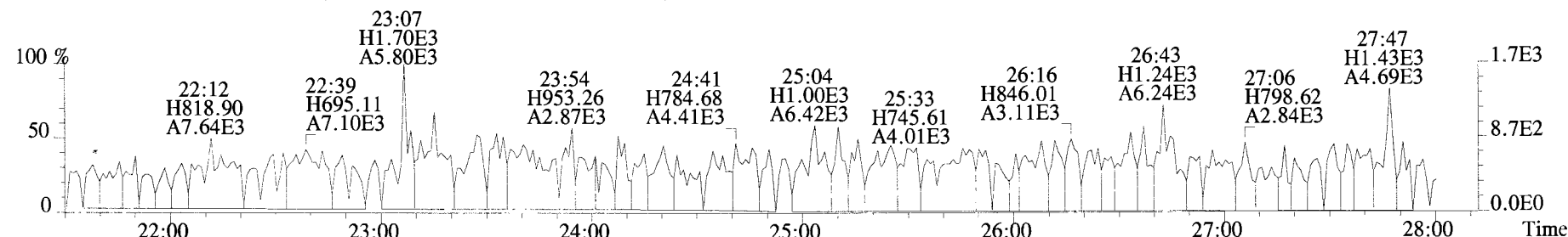
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



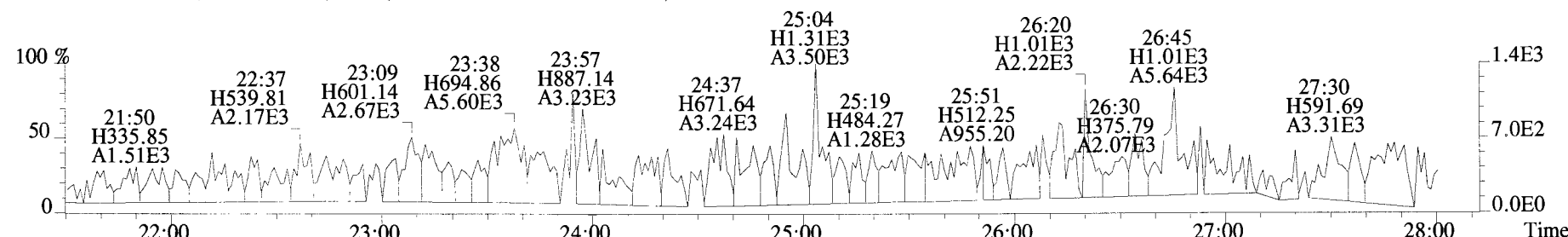
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



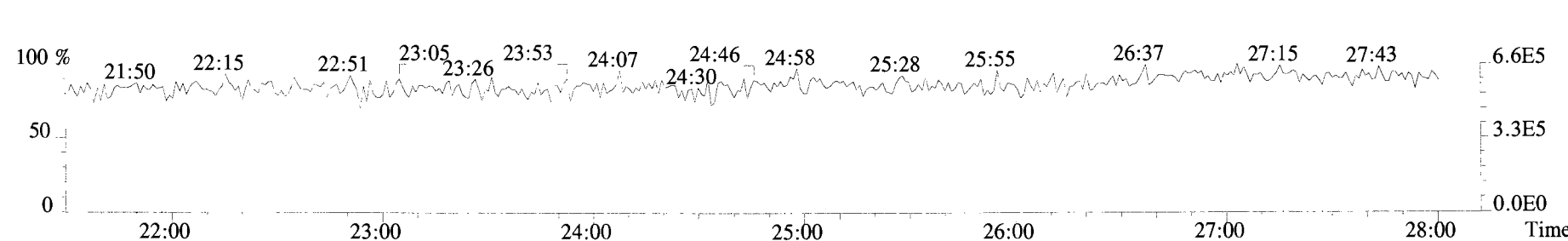
341.8568 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



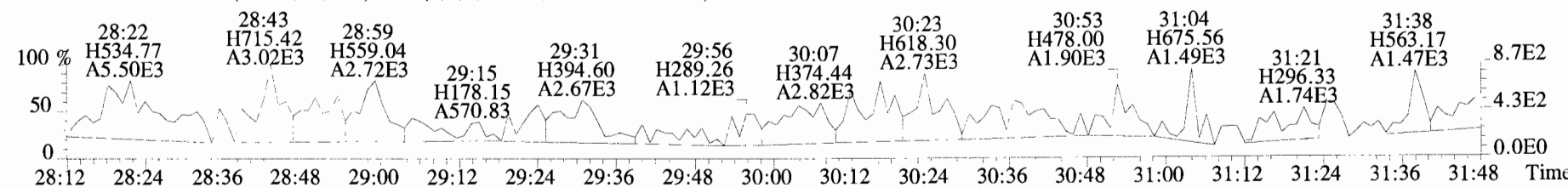
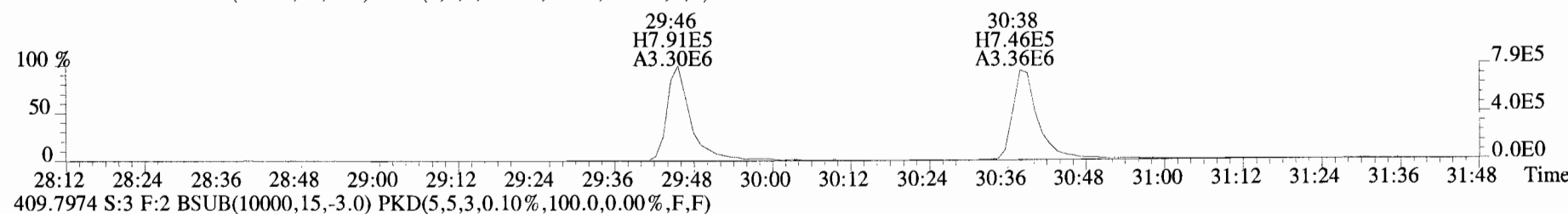
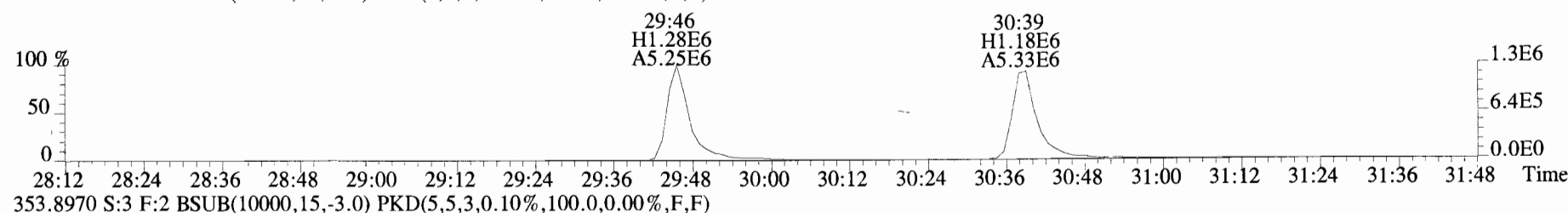
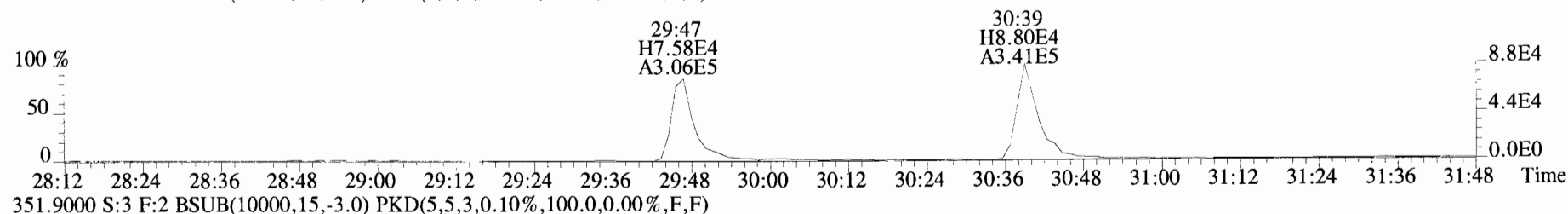
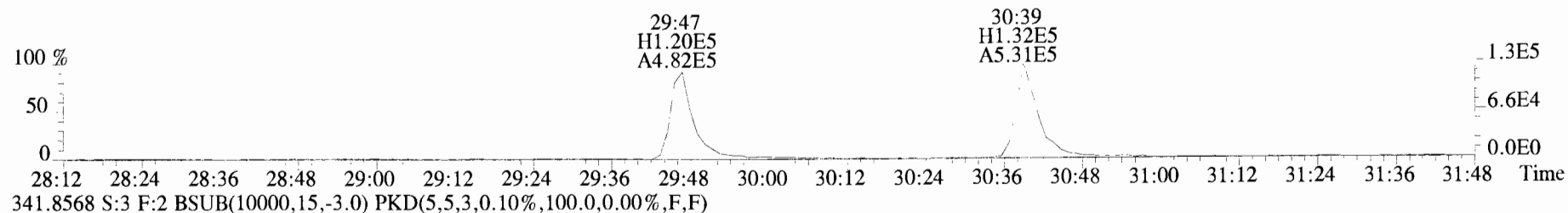
409.7974 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



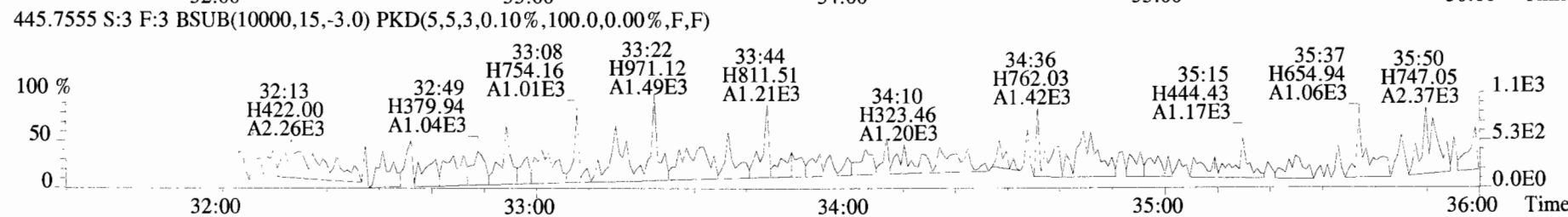
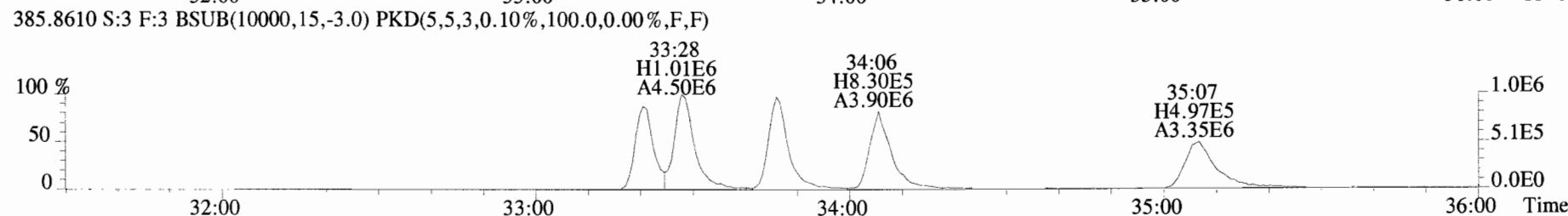
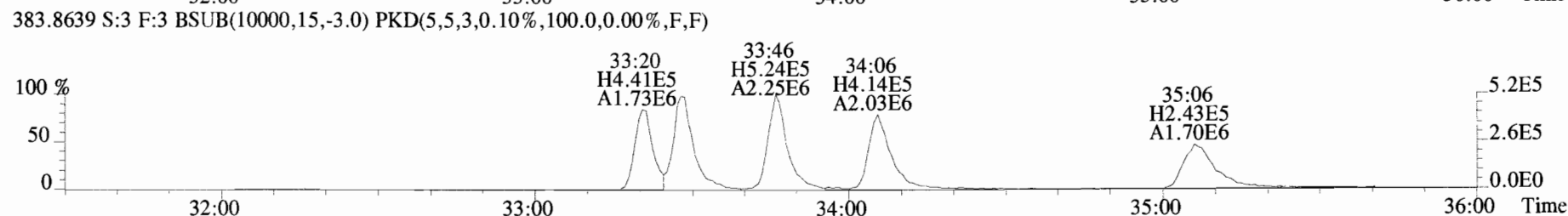
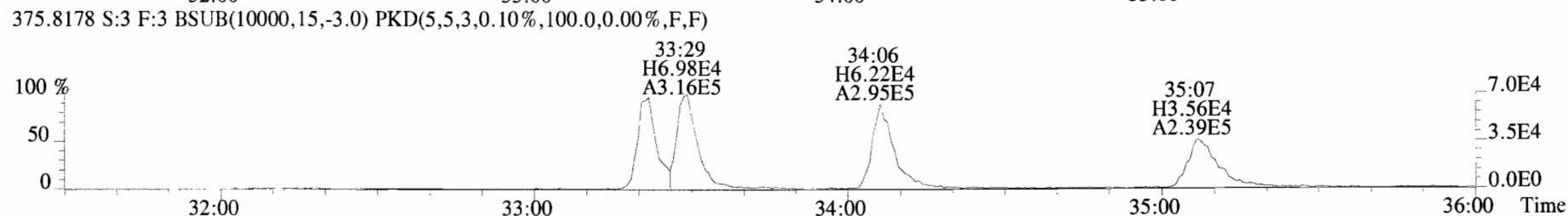
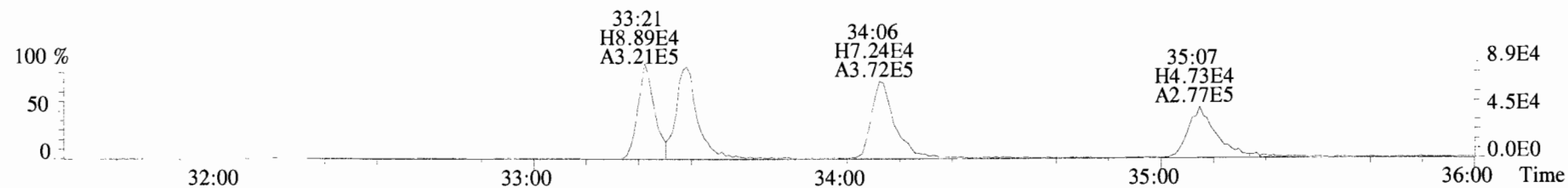
316.9824 S:3



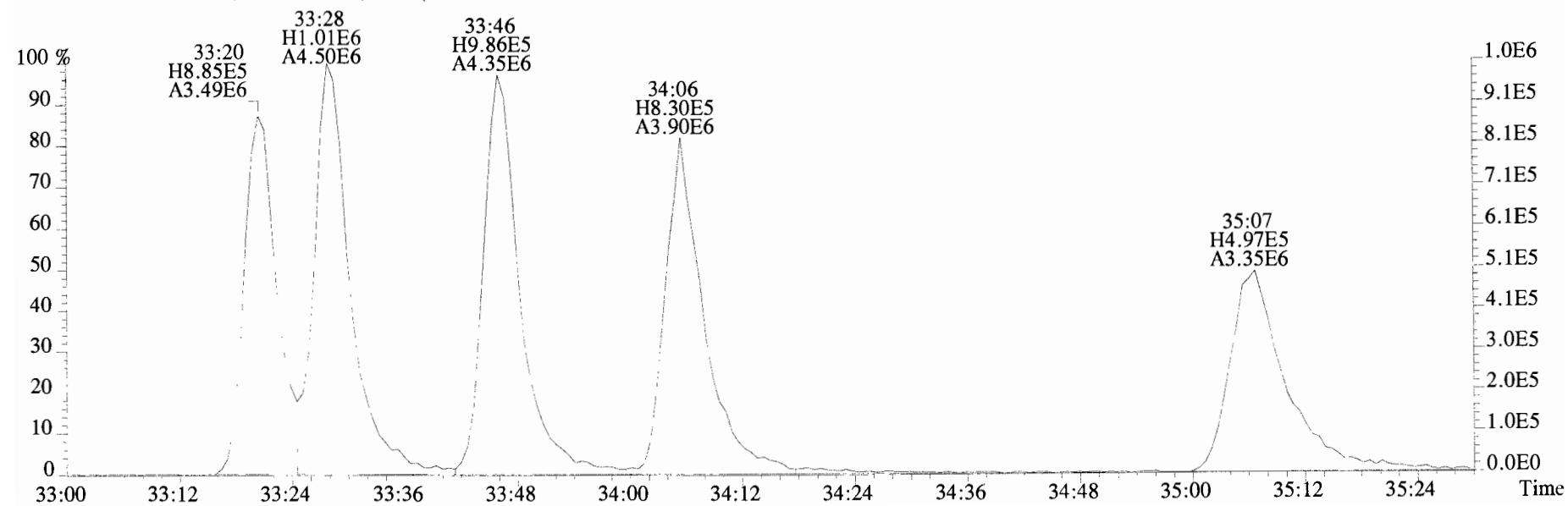
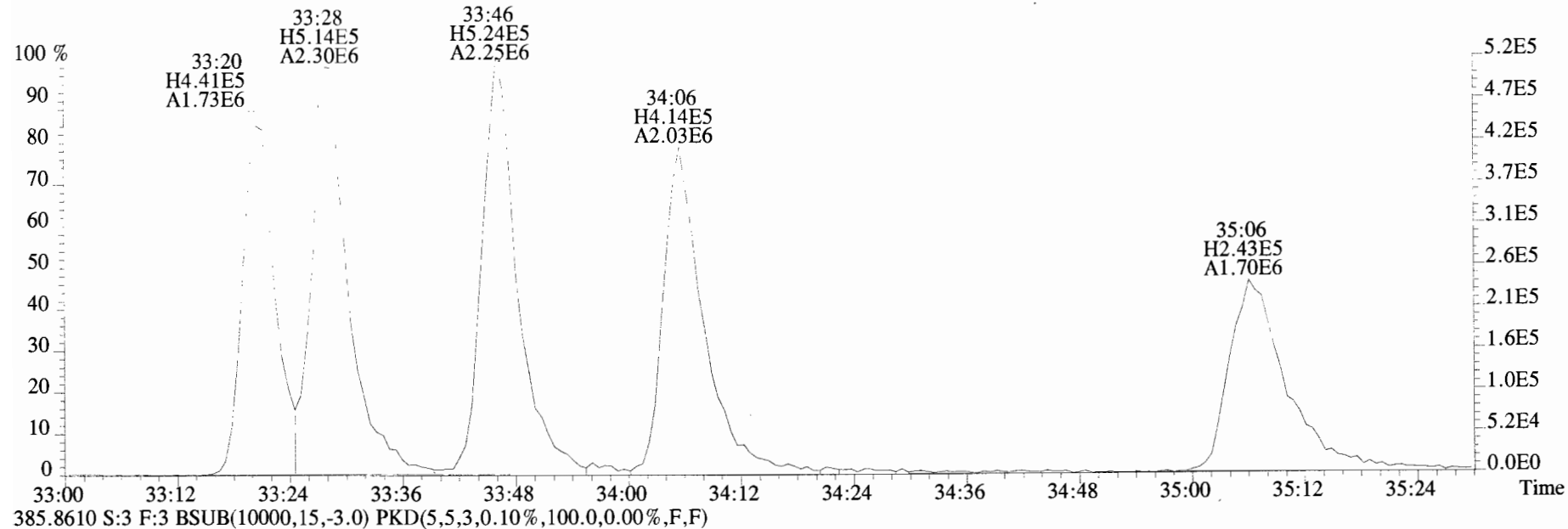
File:191009D1 #1-211 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 339.8597 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



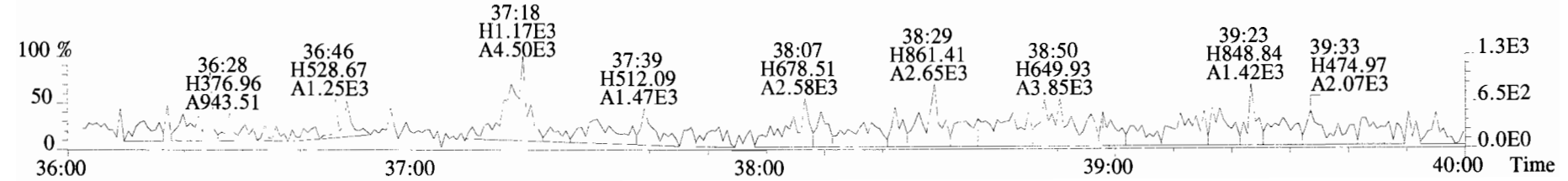
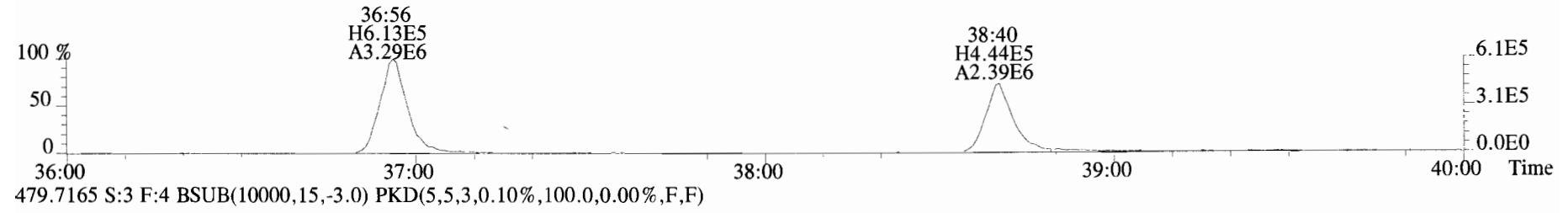
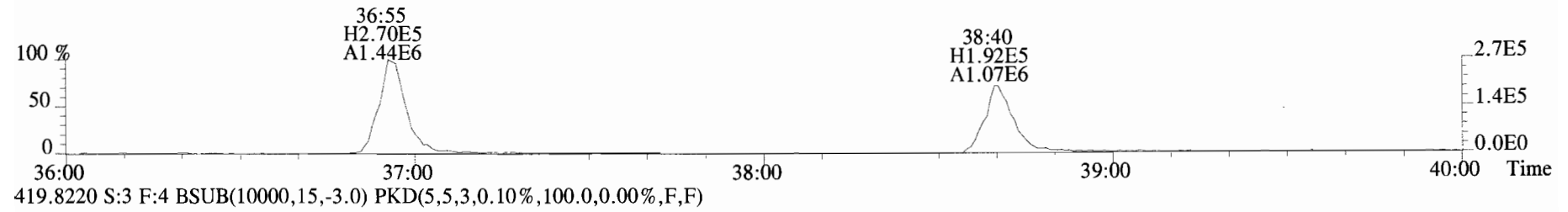
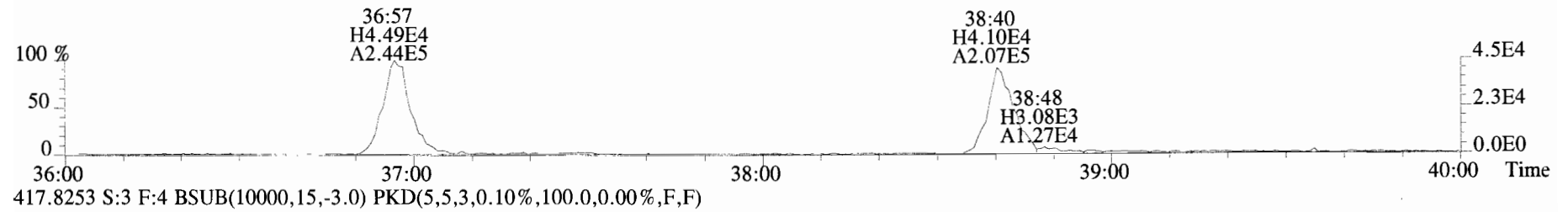
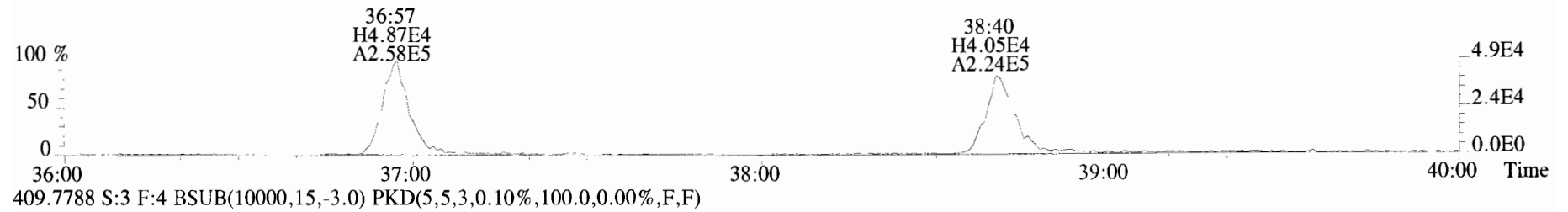
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



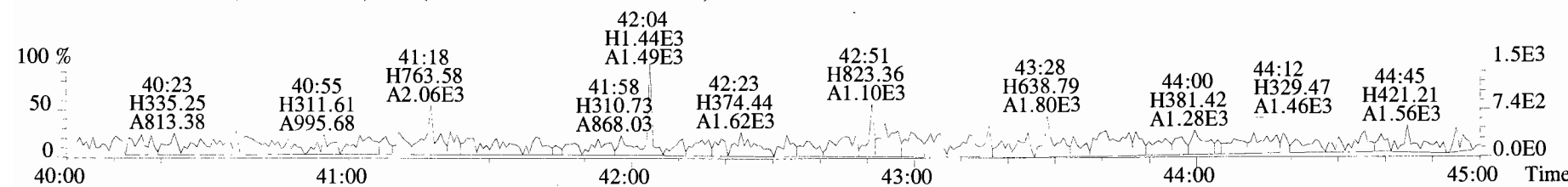
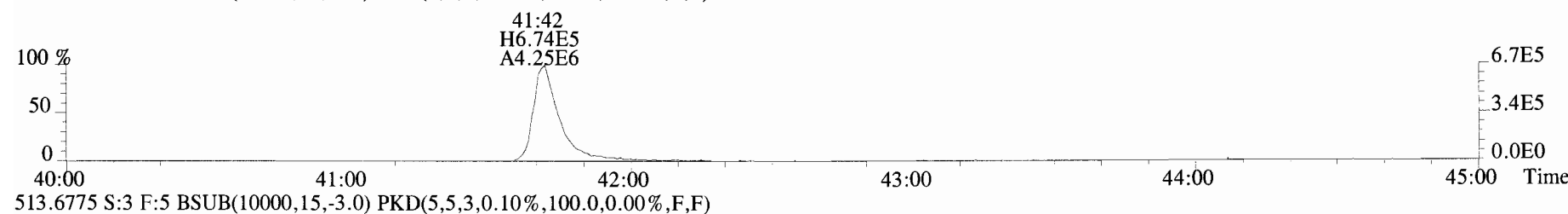
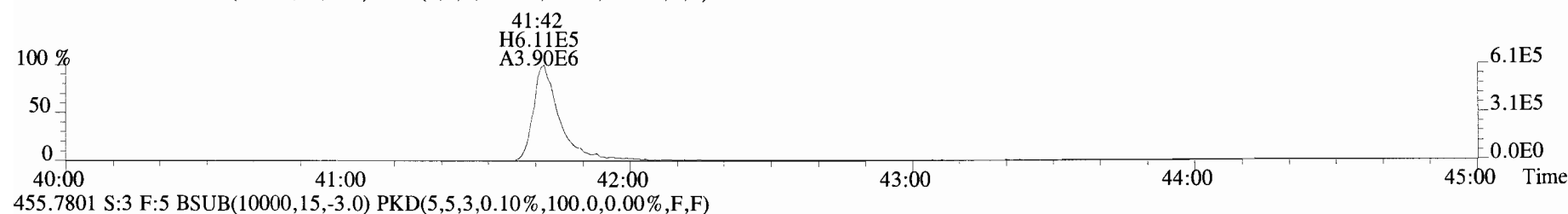
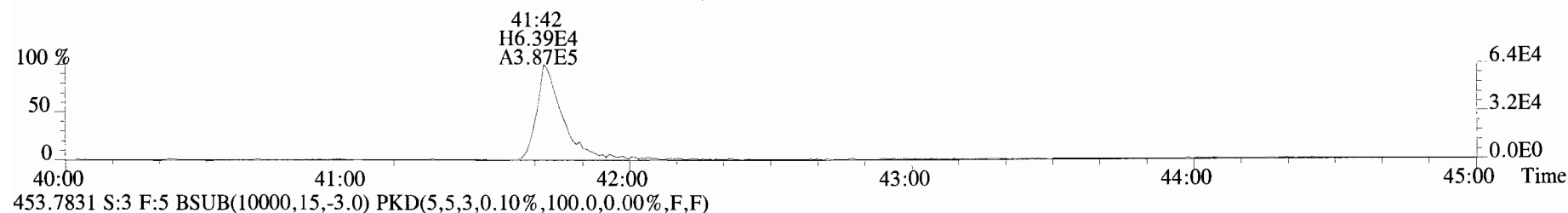
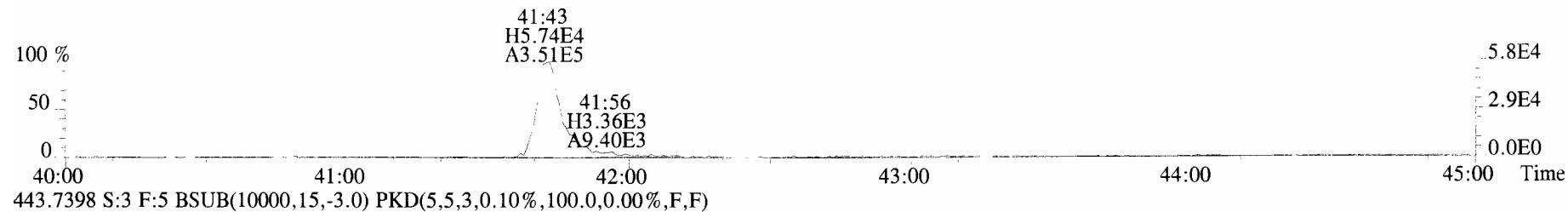
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 383.8639 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



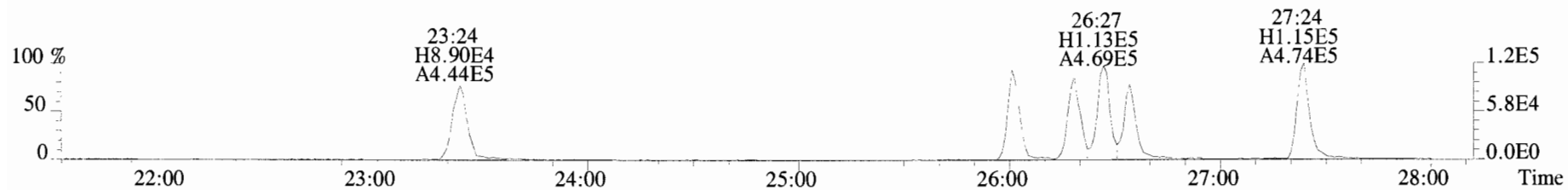
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



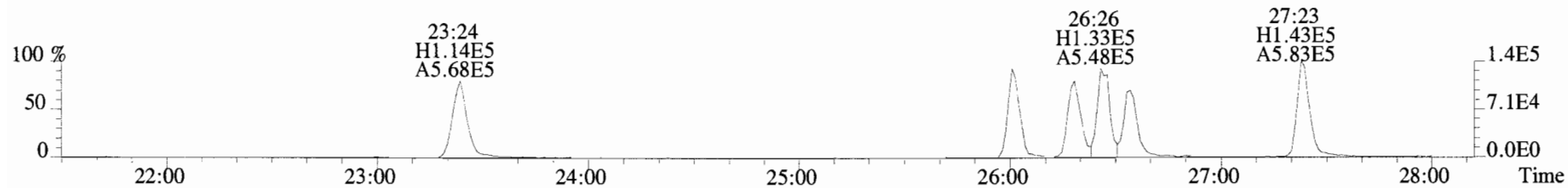
File:191009D1 #1-432 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



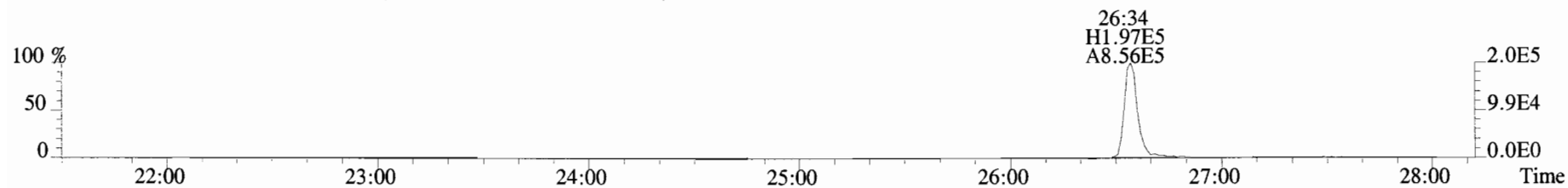
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



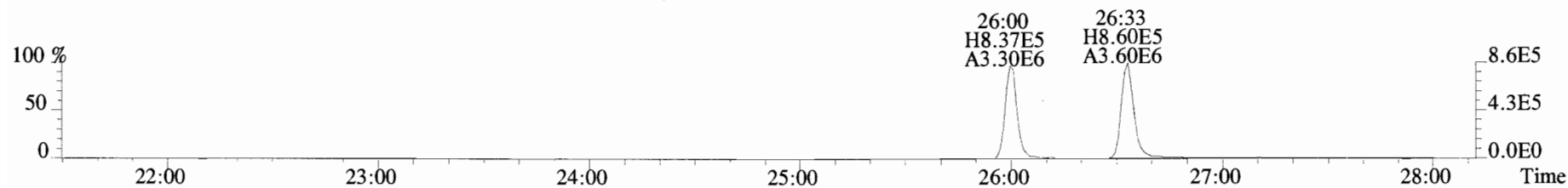
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



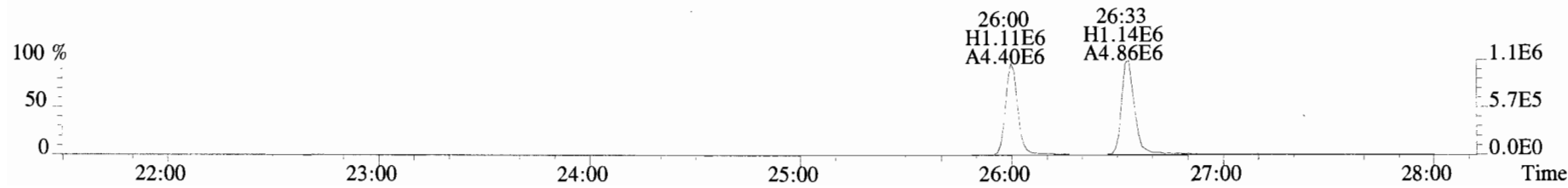
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



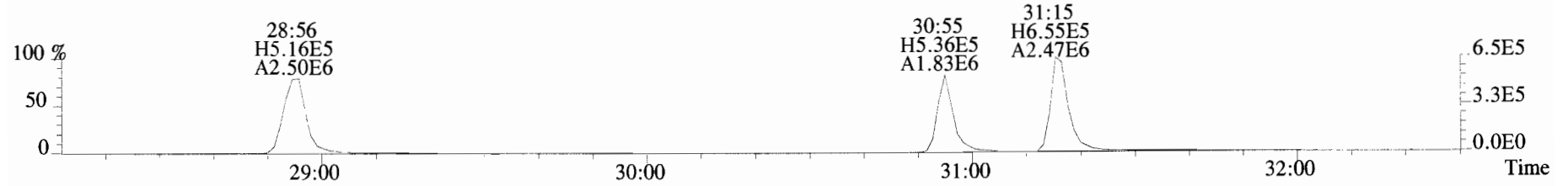
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



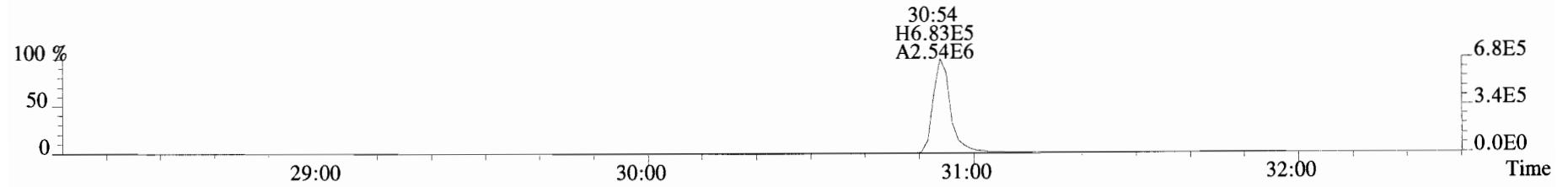
File:191009D1 #1-211 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
353.8576 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



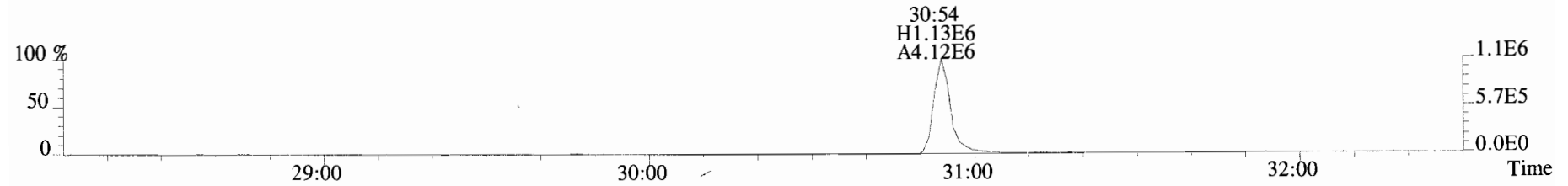
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



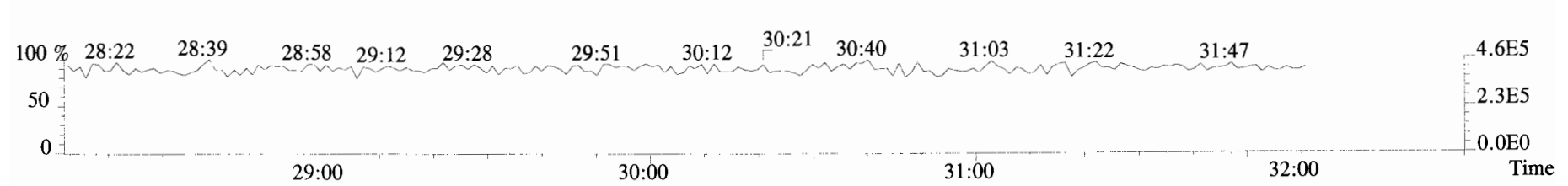
365.8978 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



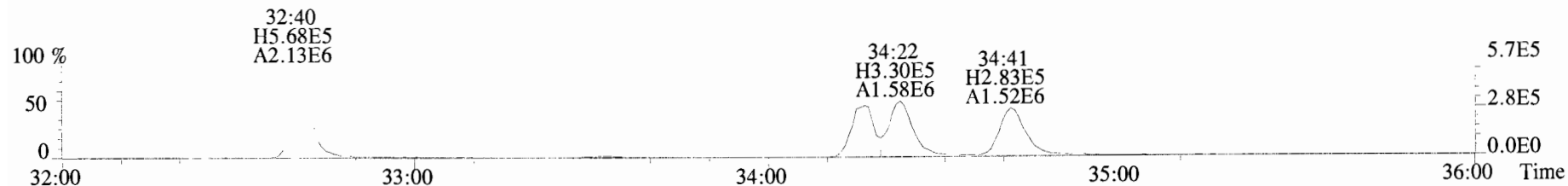
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



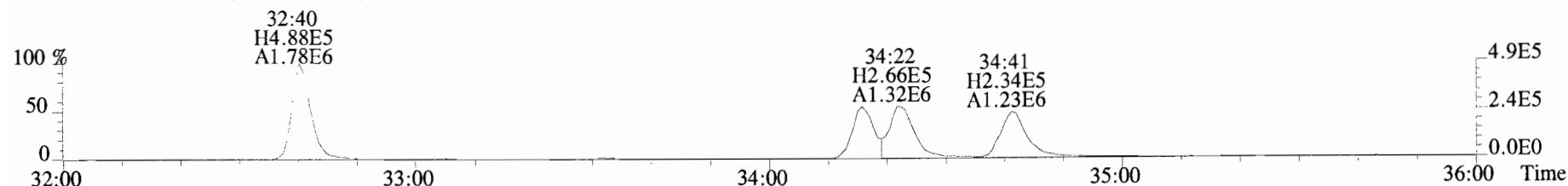
366.9792 S:4 F:2



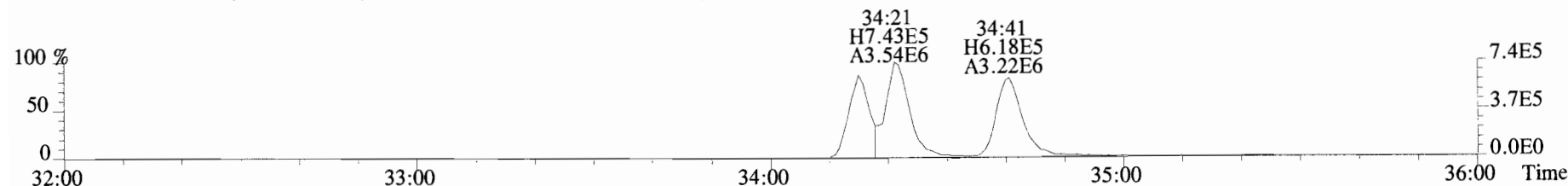
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



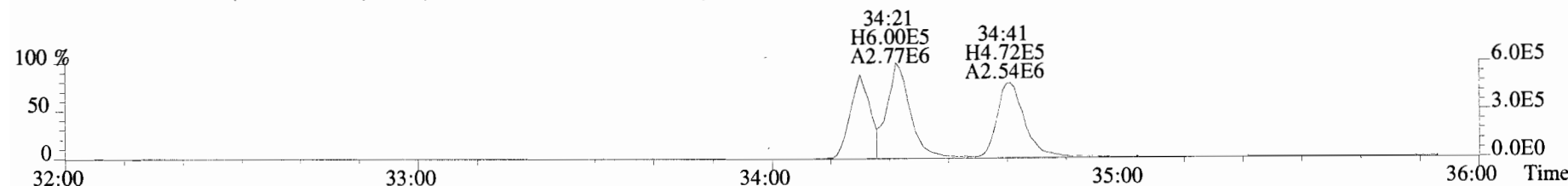
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



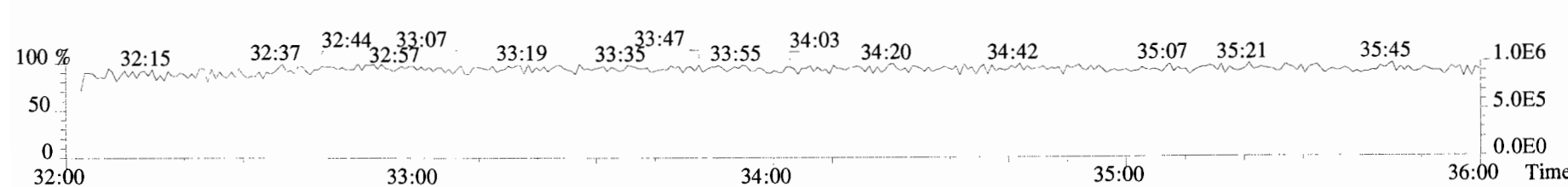
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



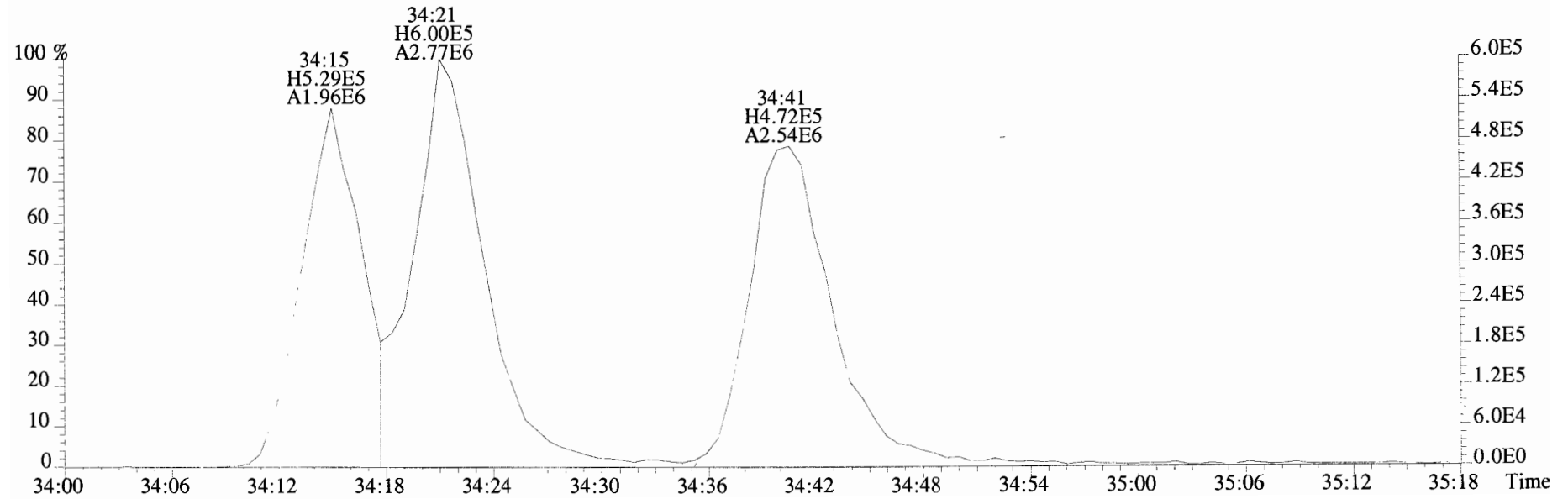
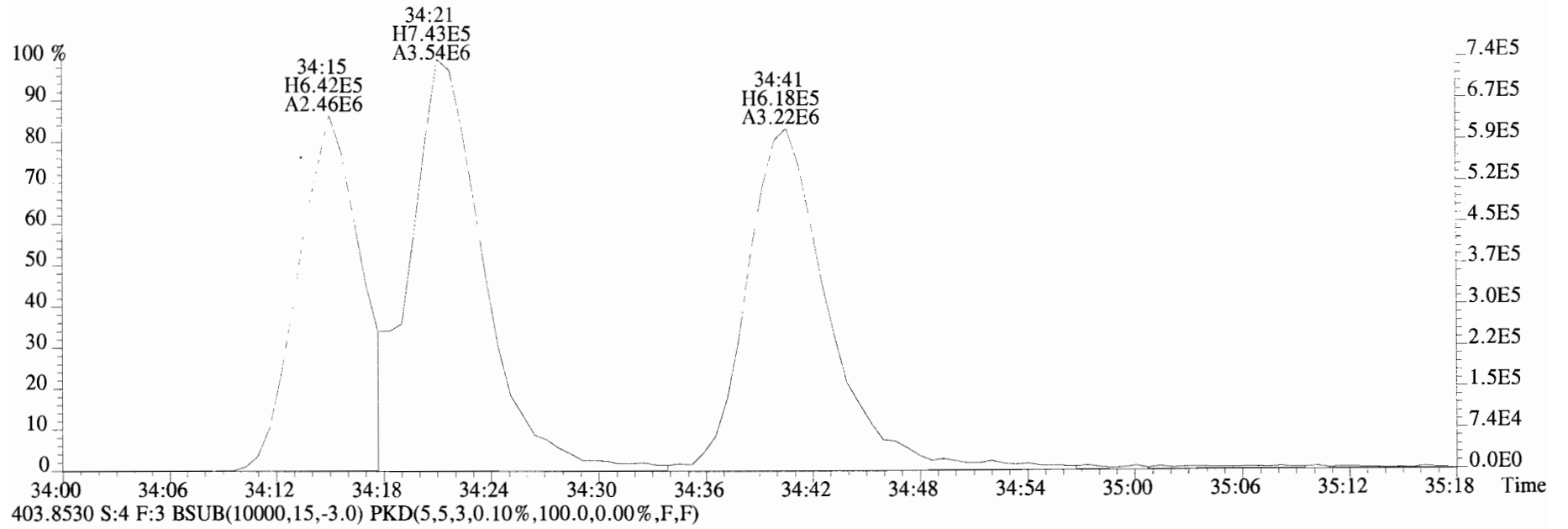
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



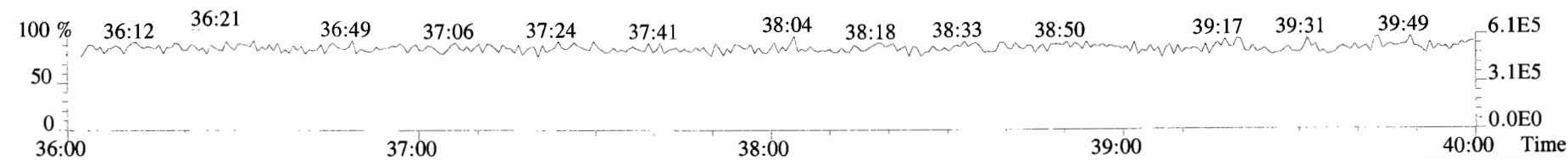
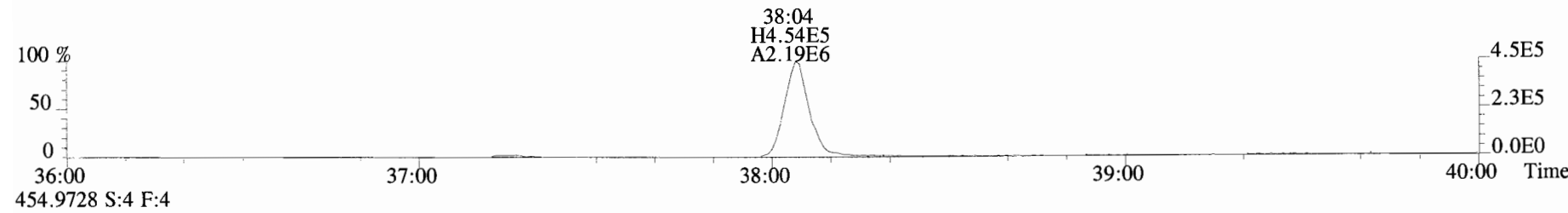
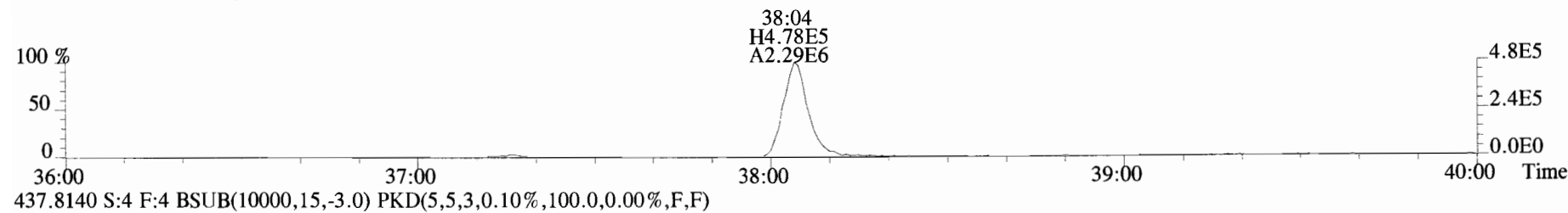
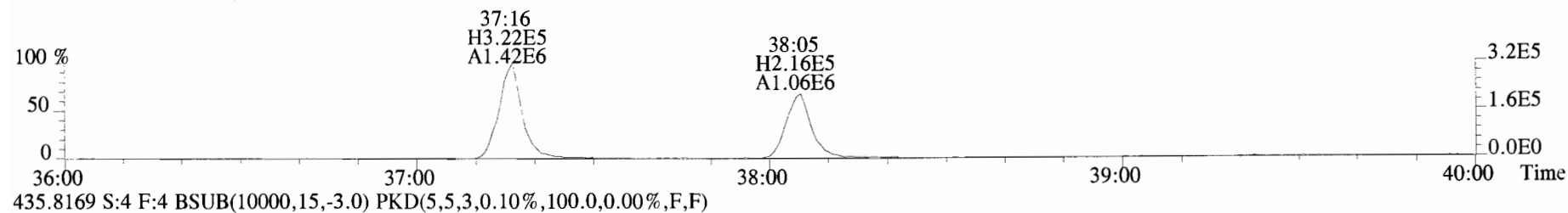
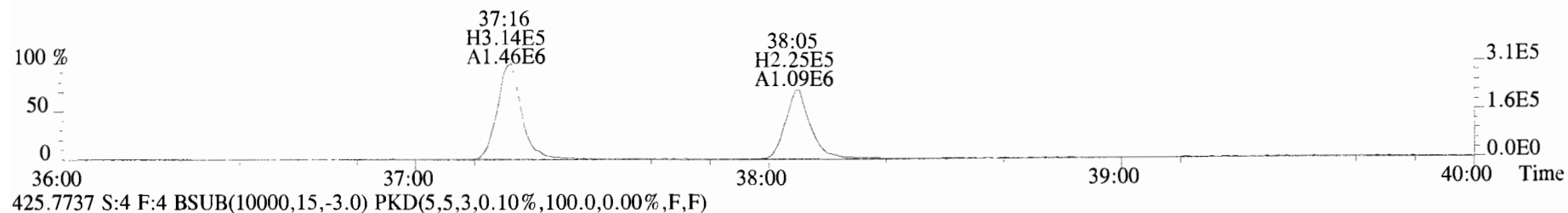
392.9760 S:4 F:3



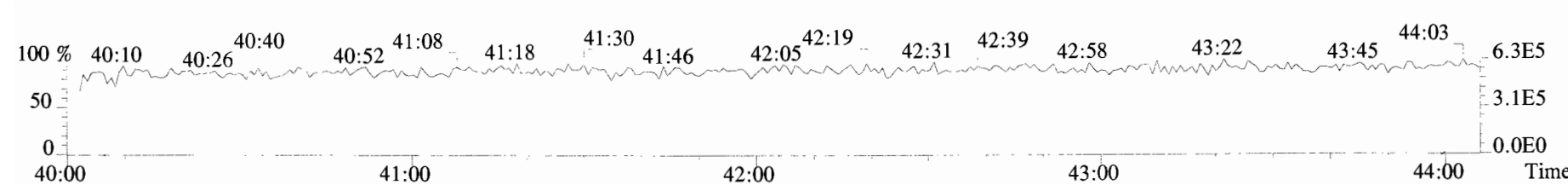
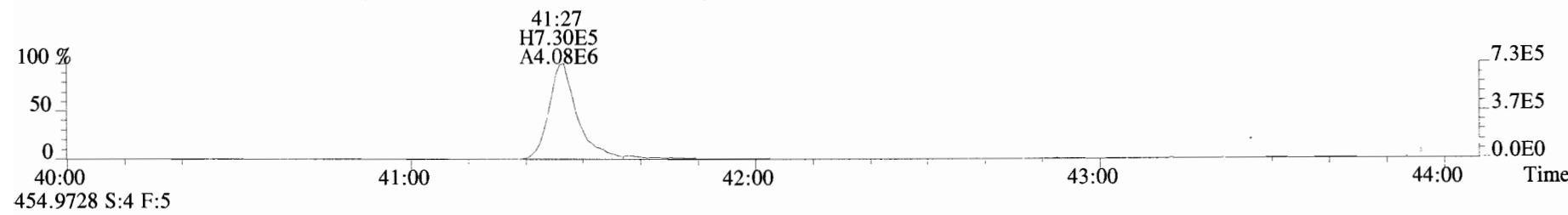
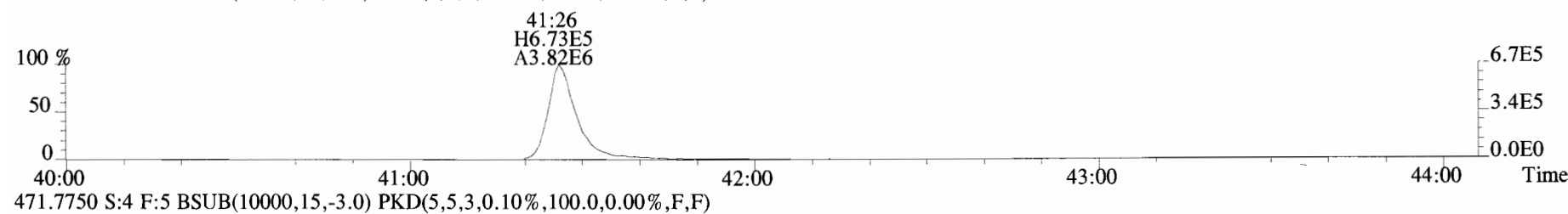
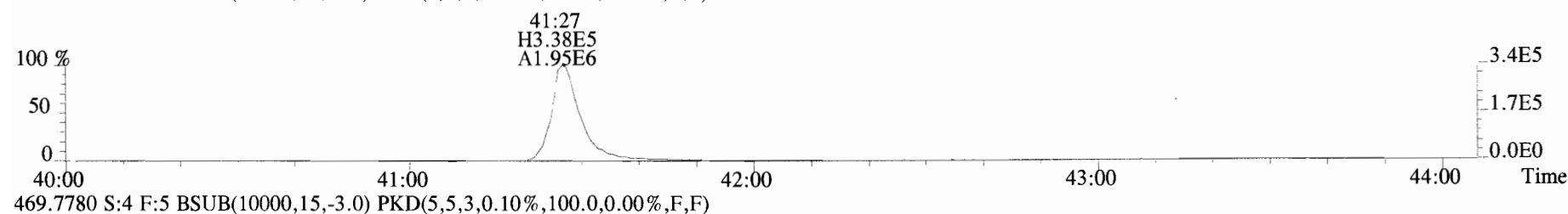
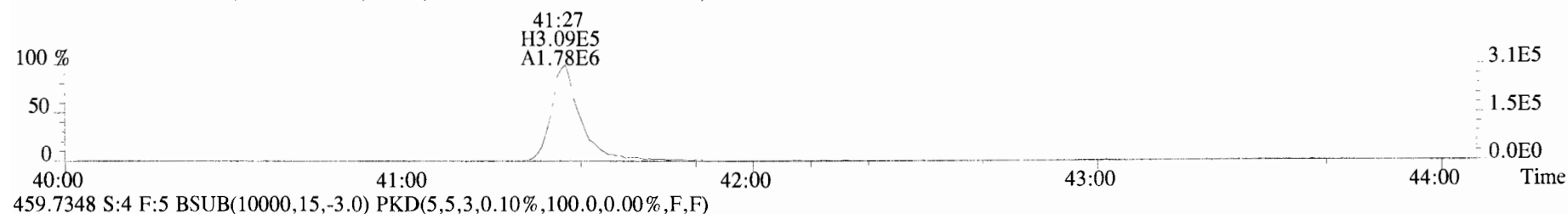
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



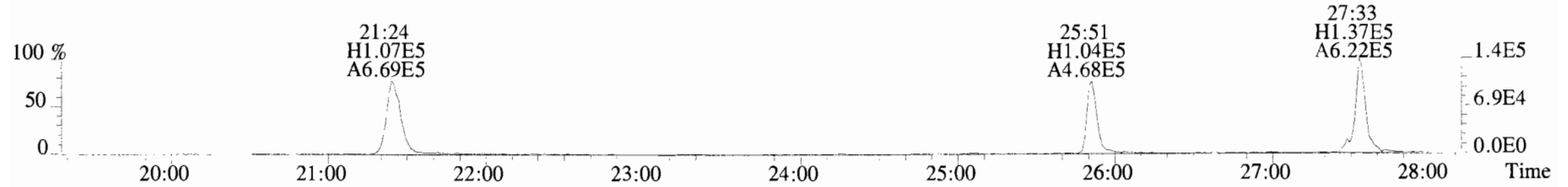
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



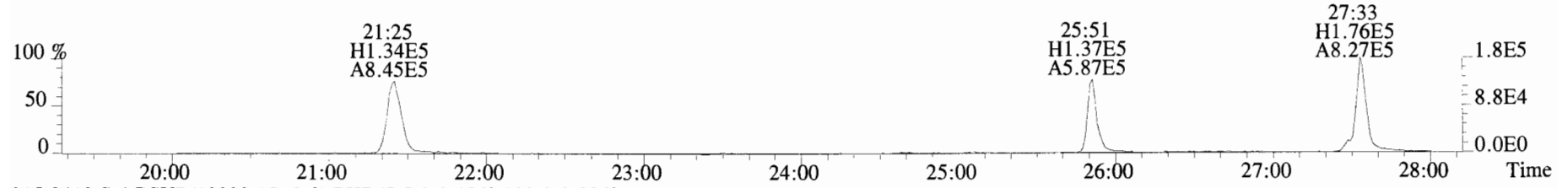
File:191009D1 #1-432 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



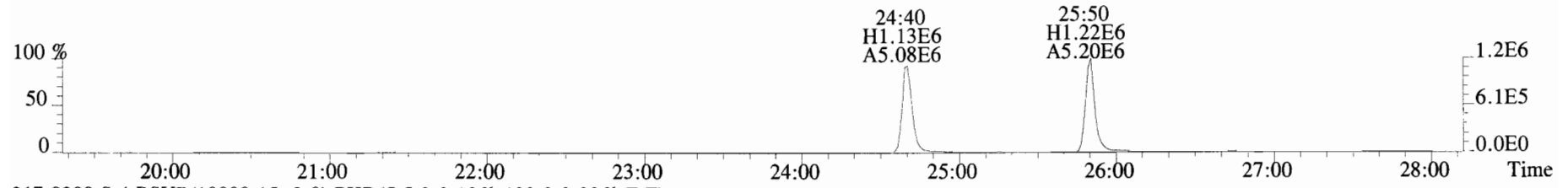
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



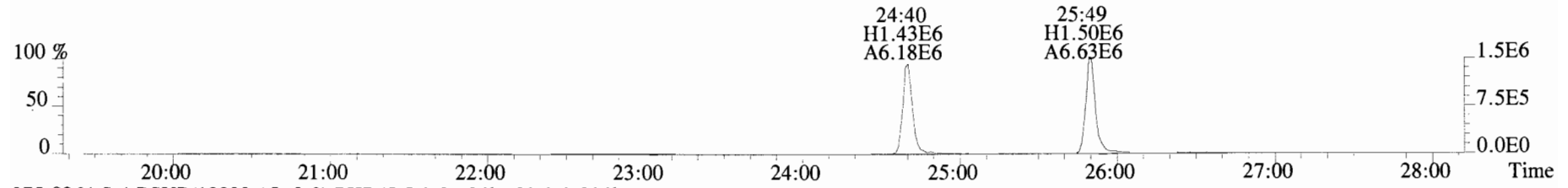
305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



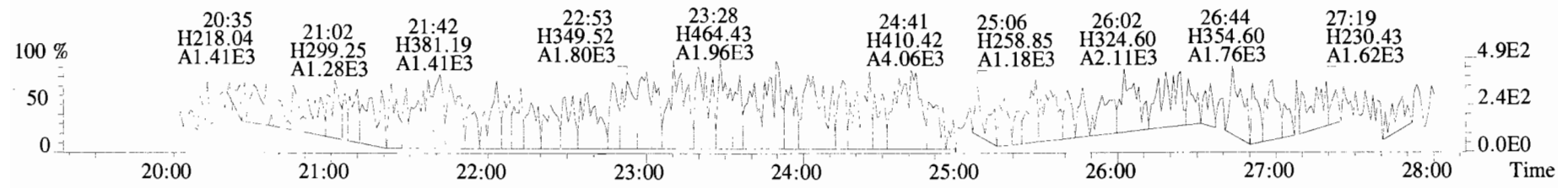
315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



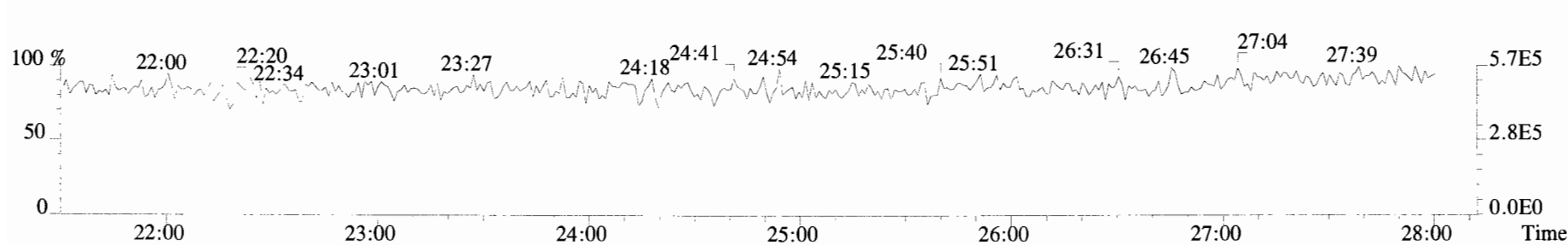
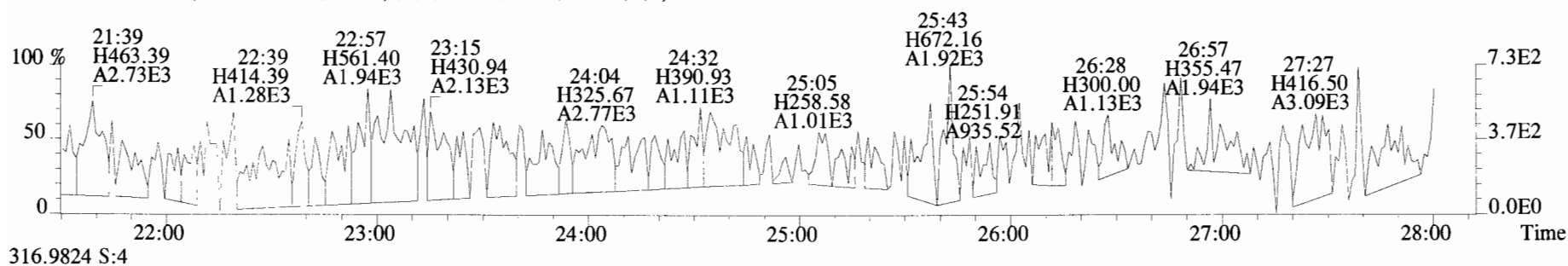
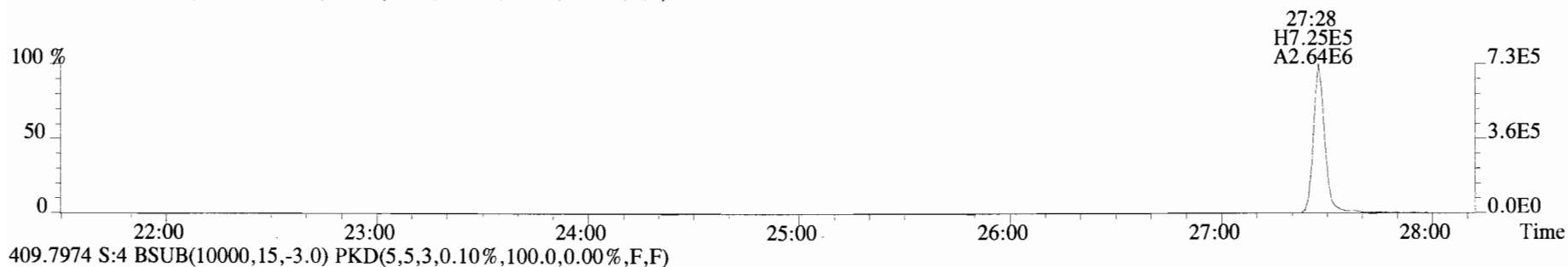
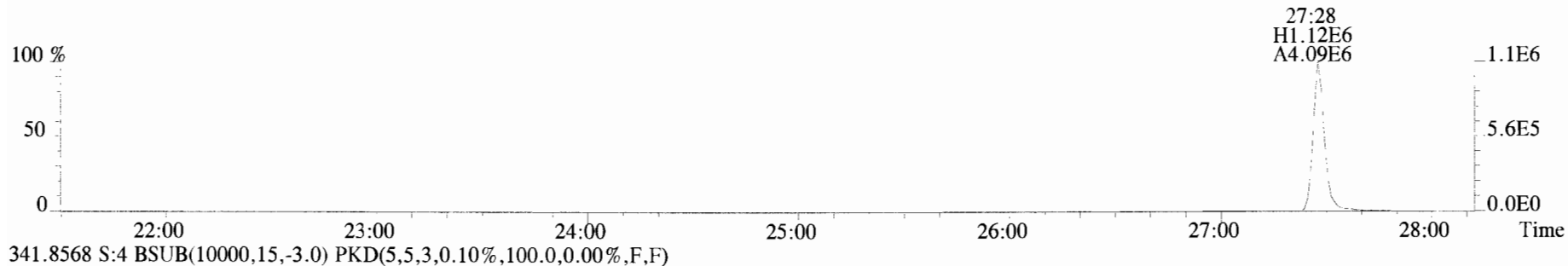
317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



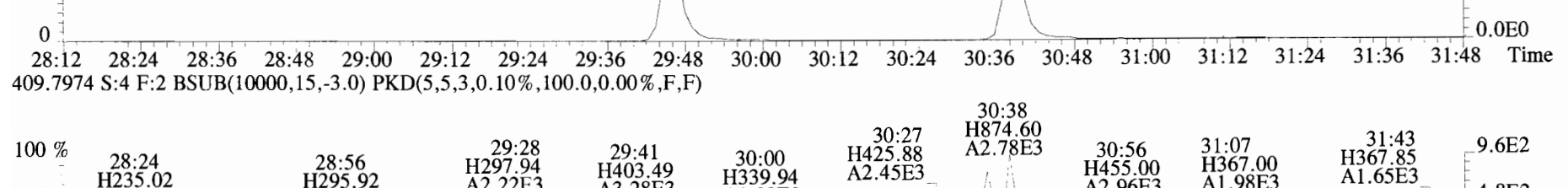
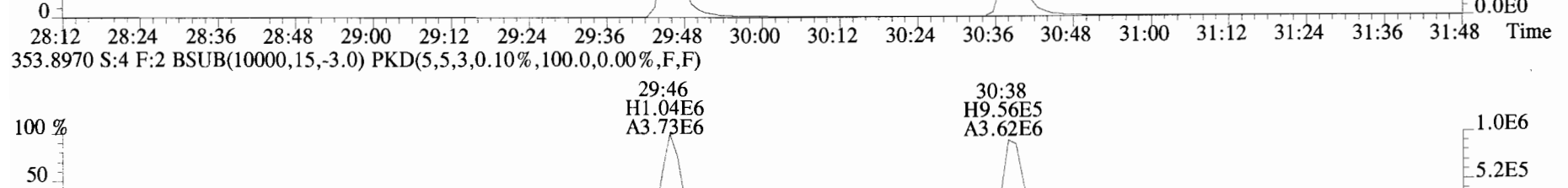
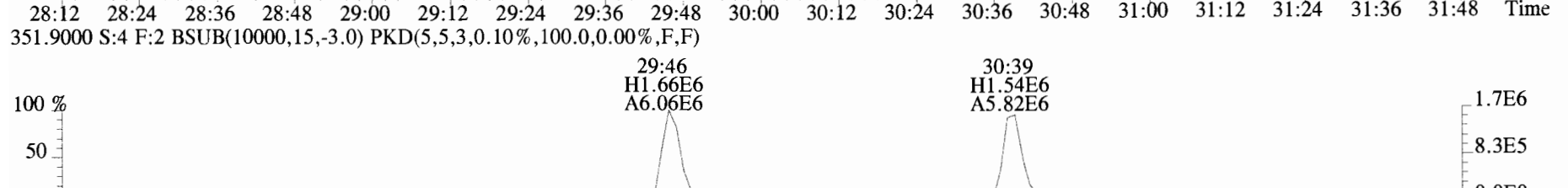
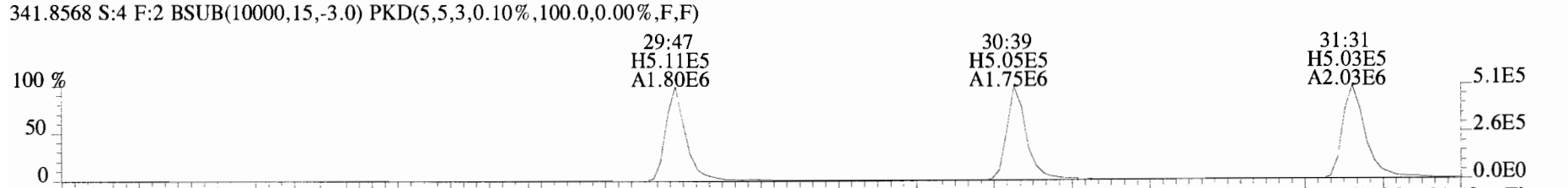
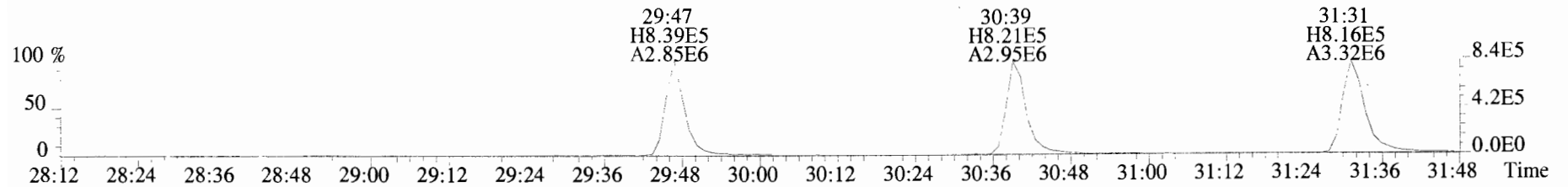
375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



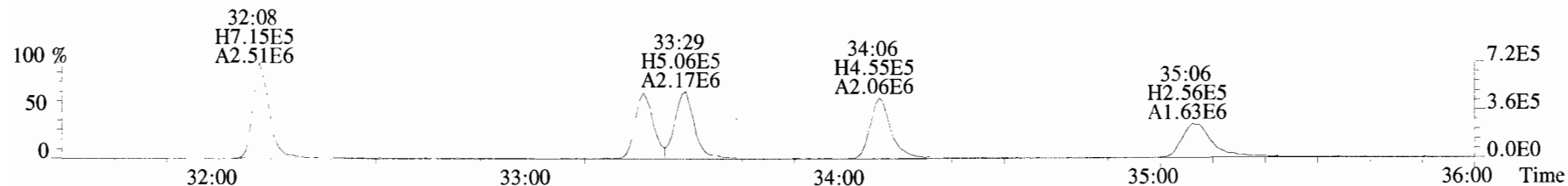
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



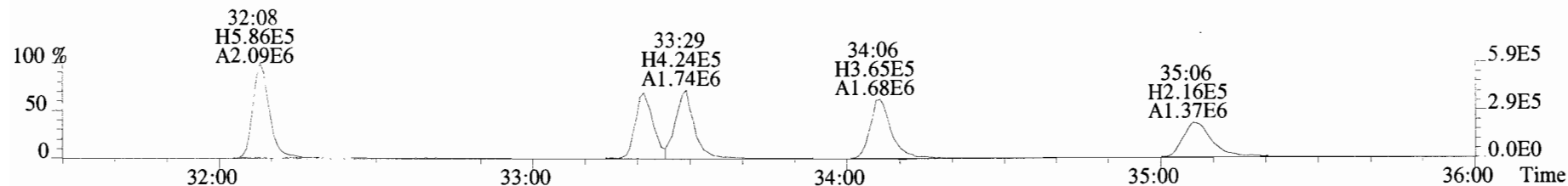
File:191009D1 #1-211 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



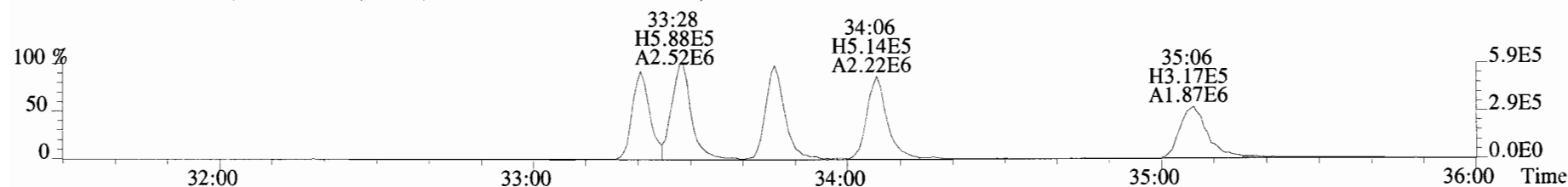
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



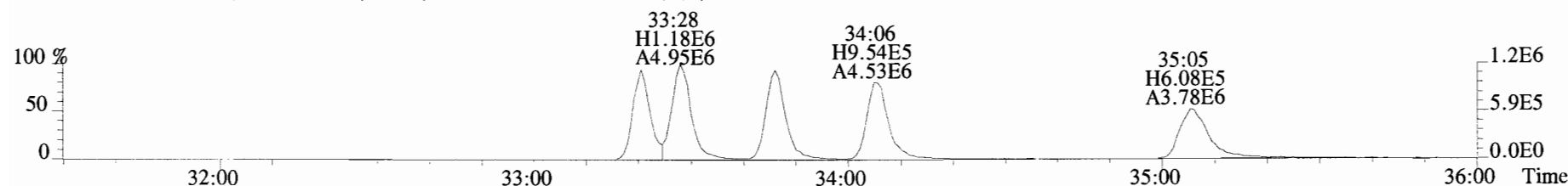
375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



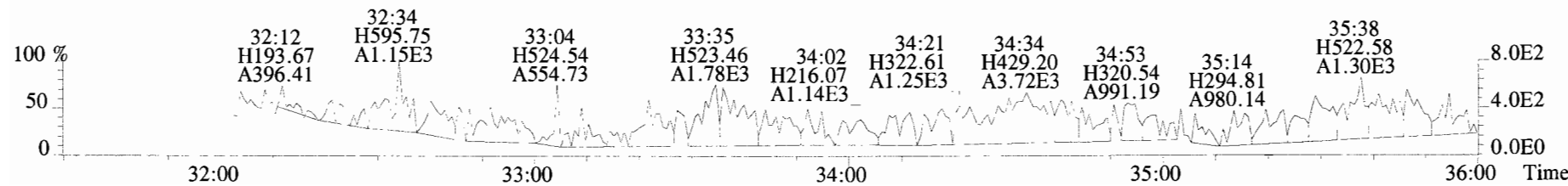
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



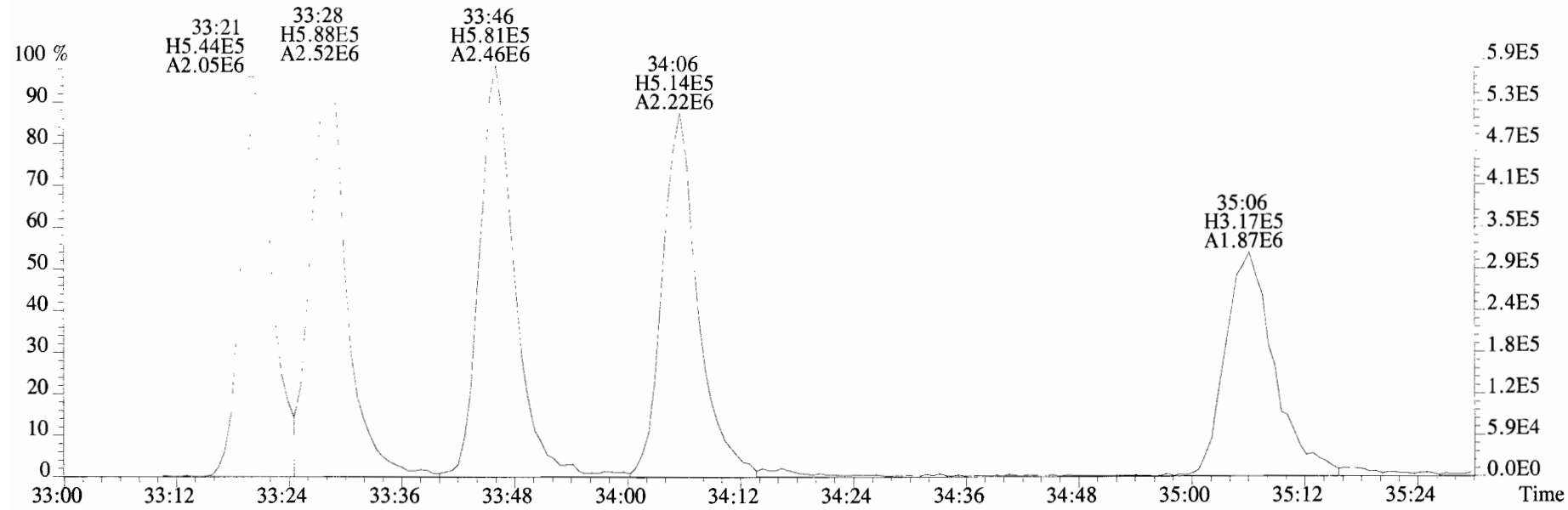
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



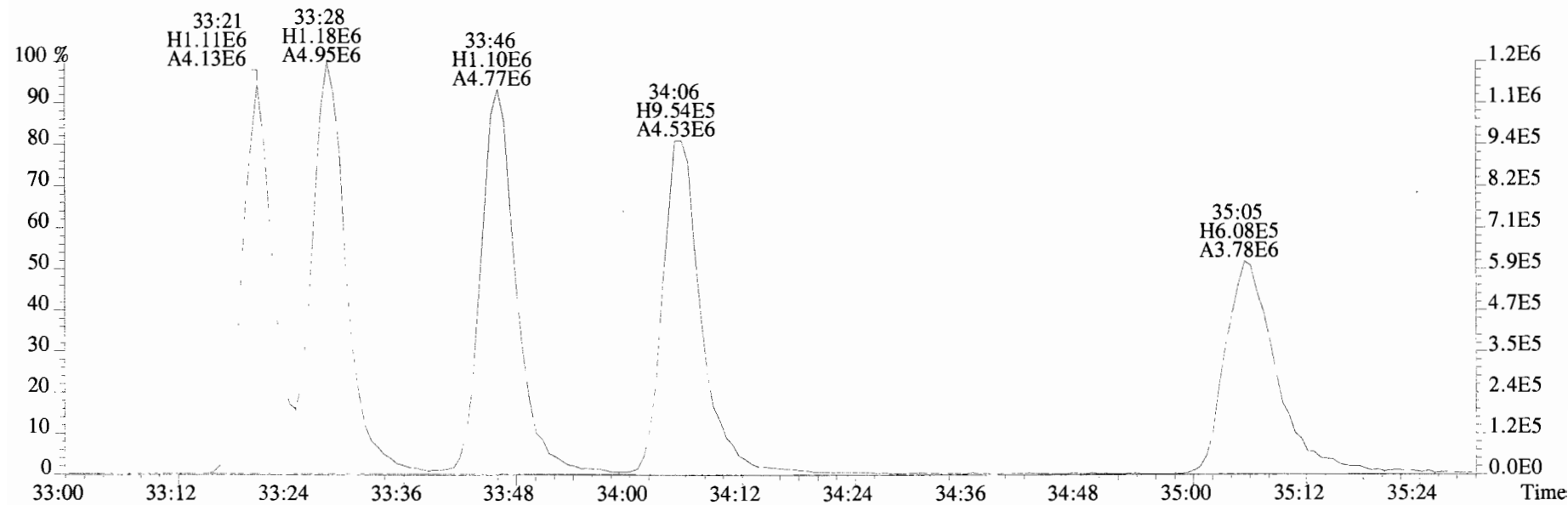
445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



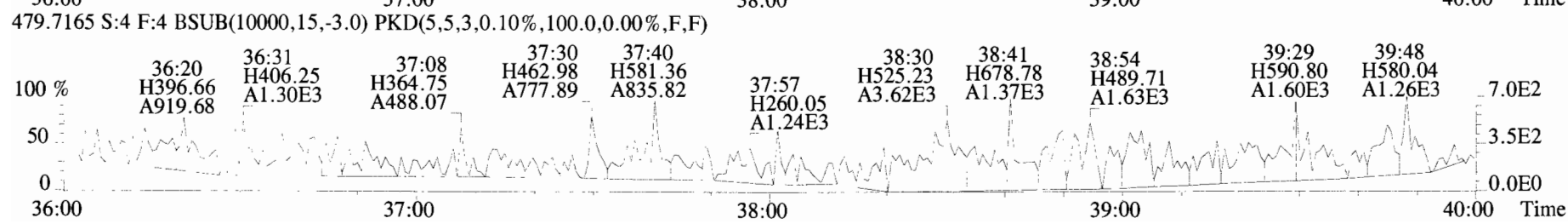
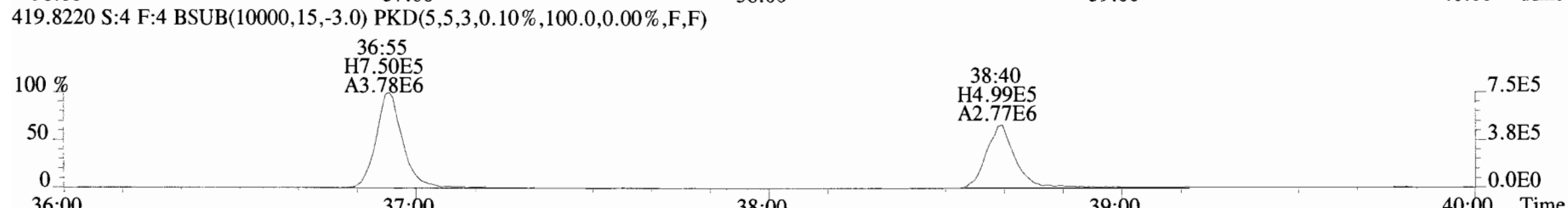
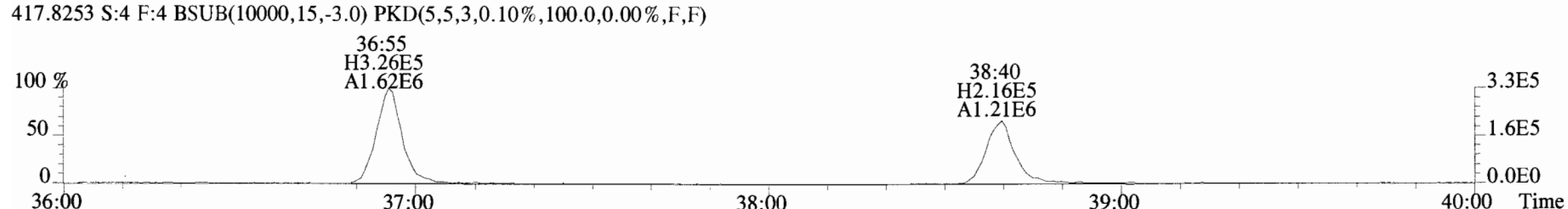
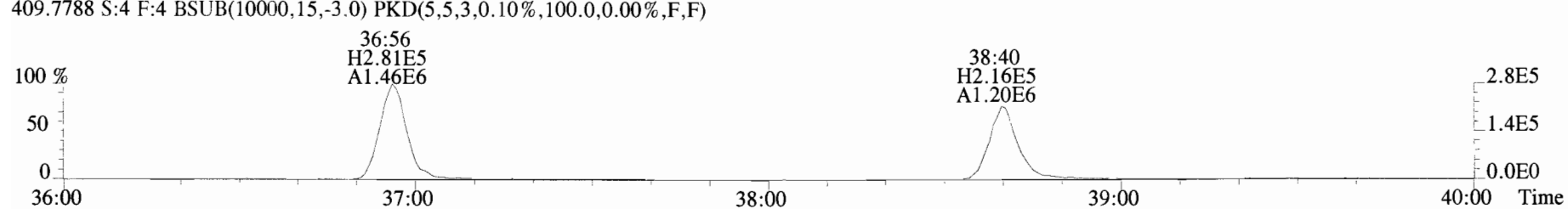
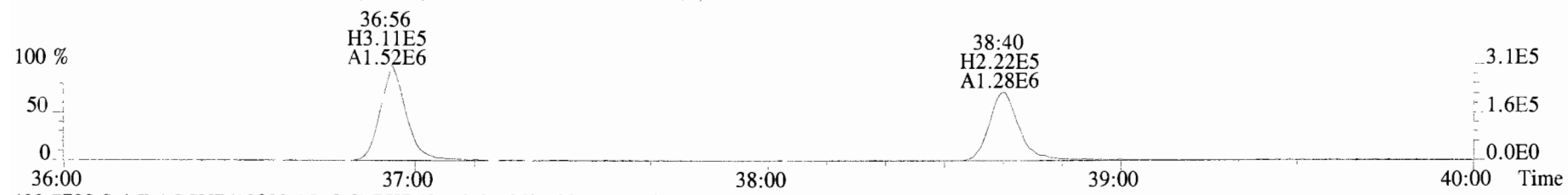
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



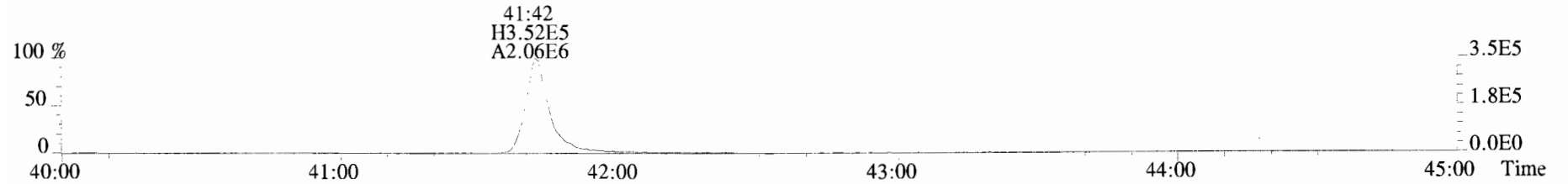
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



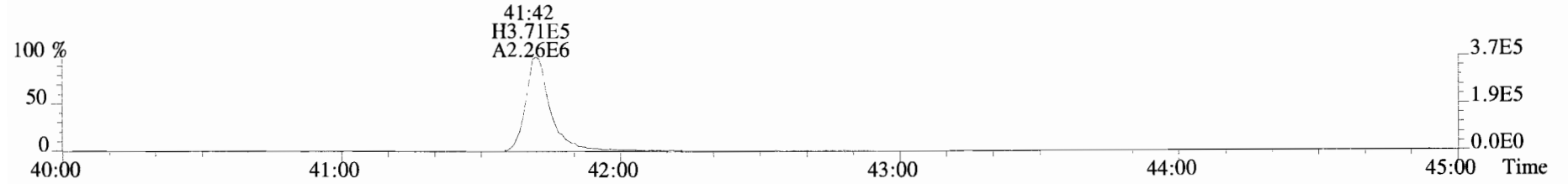
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



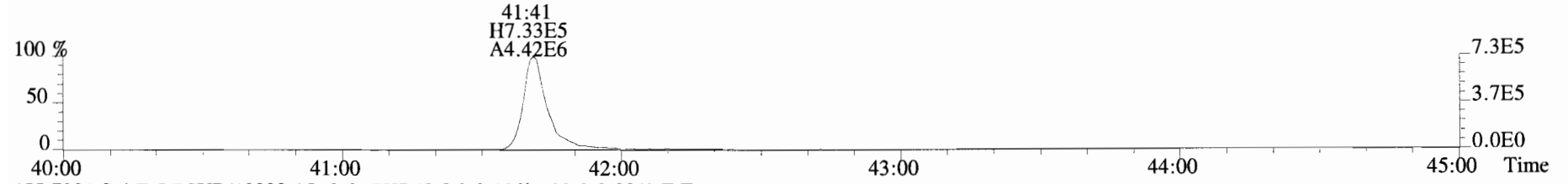
File:191009D1 #1-432 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



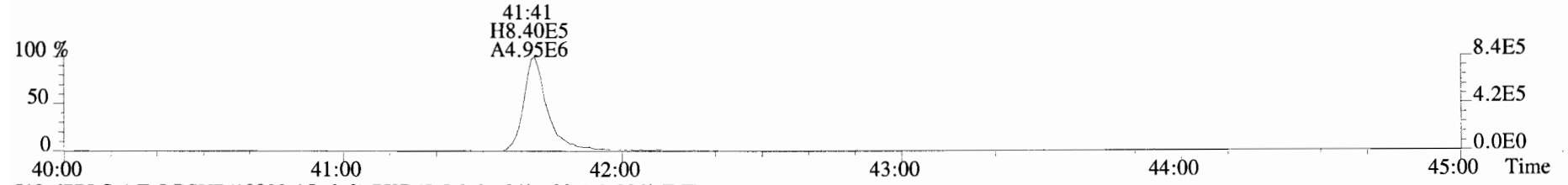
443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



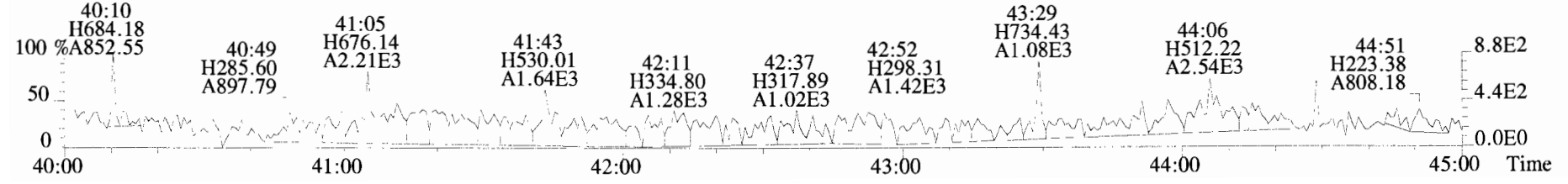
453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



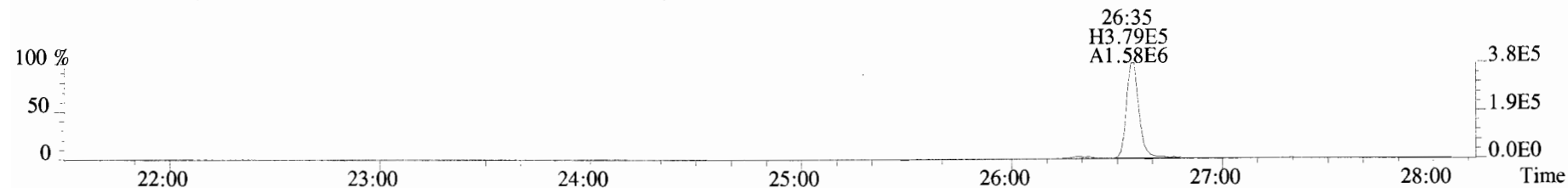
455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



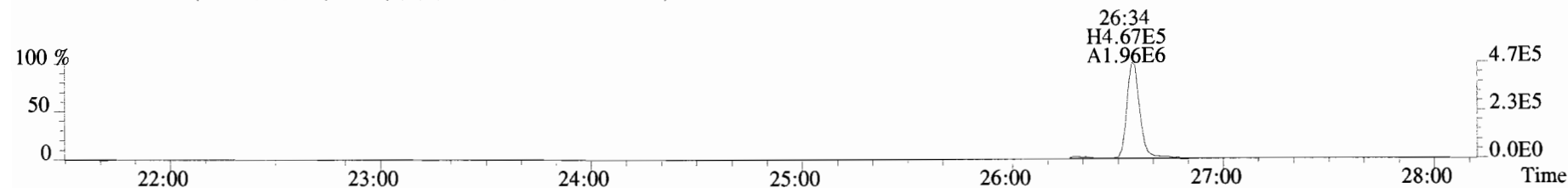
513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



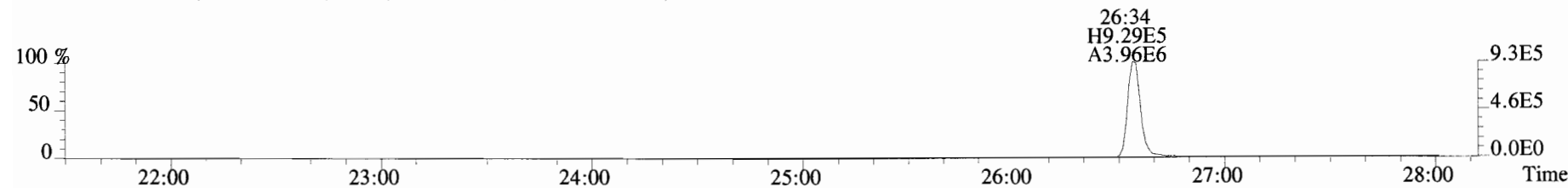
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



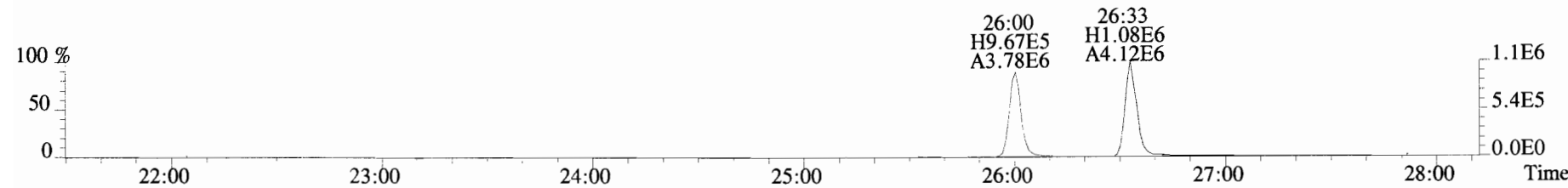
321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



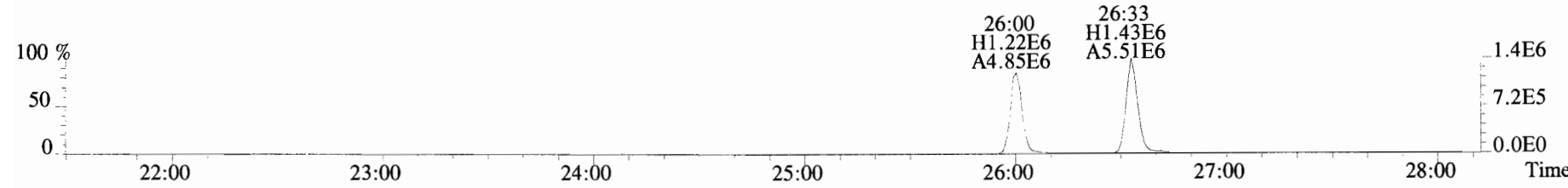
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



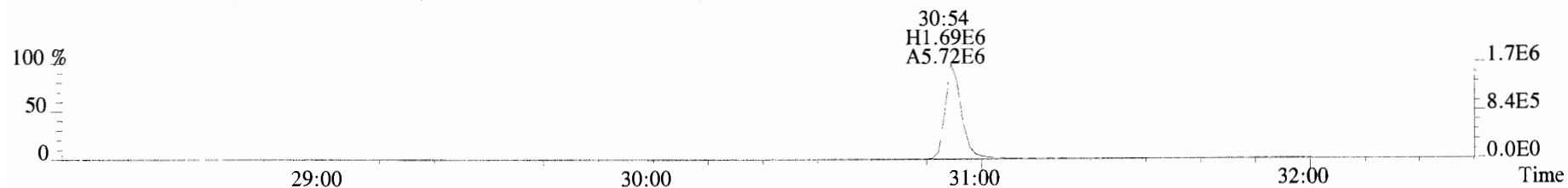
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



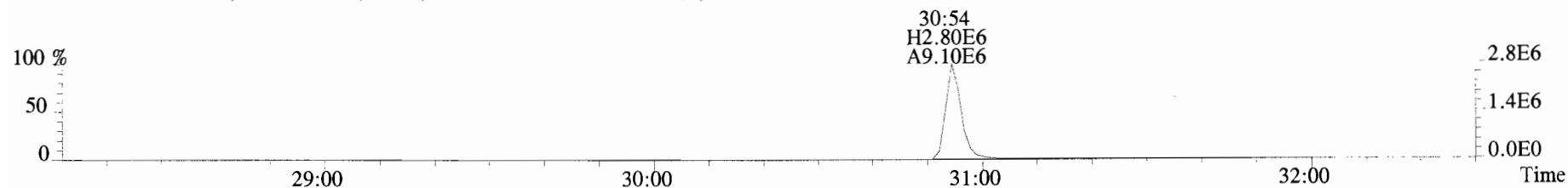
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



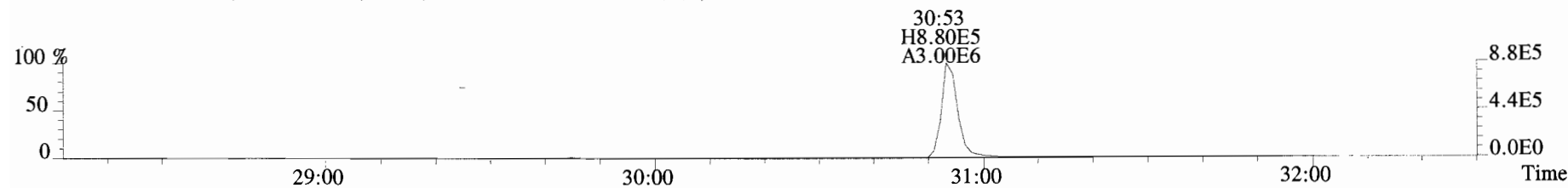
File:191009D1 #1-210 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
353.8576 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



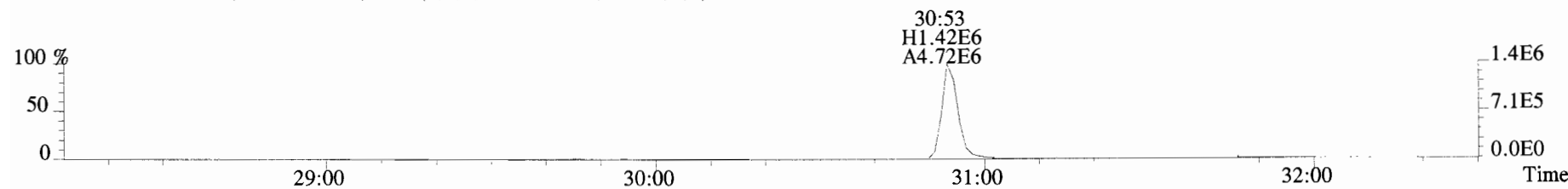
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



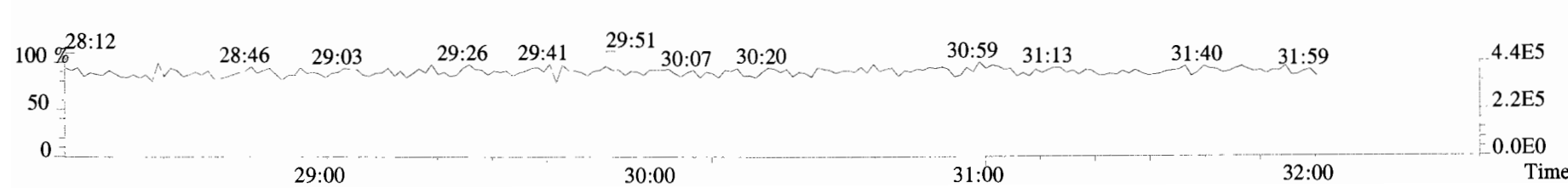
365.8978 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



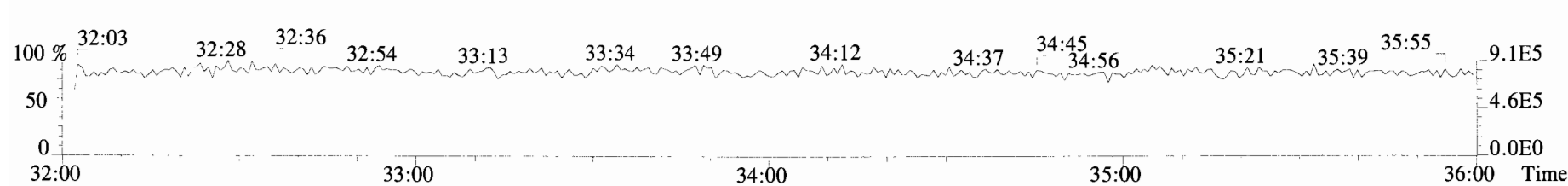
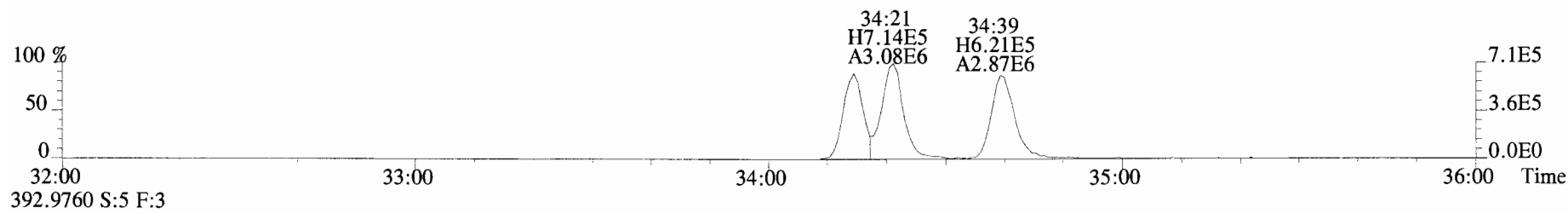
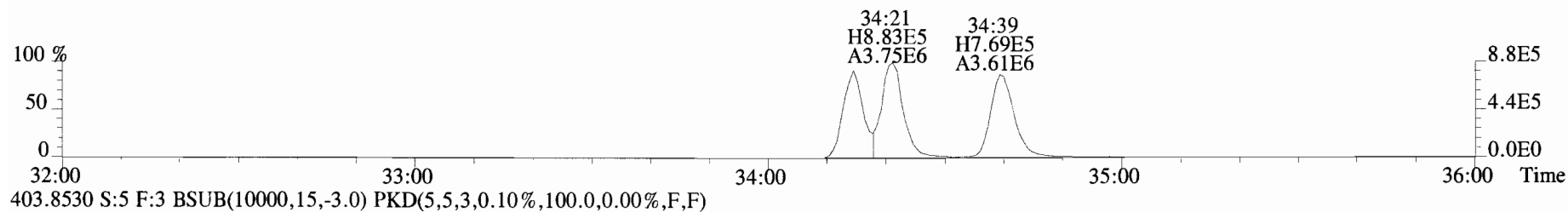
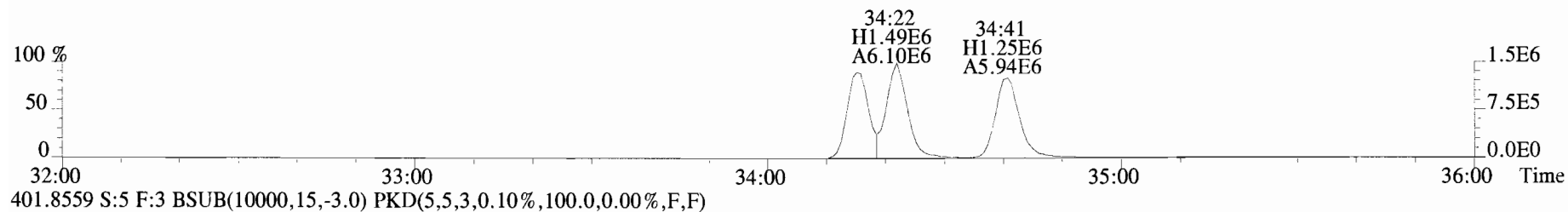
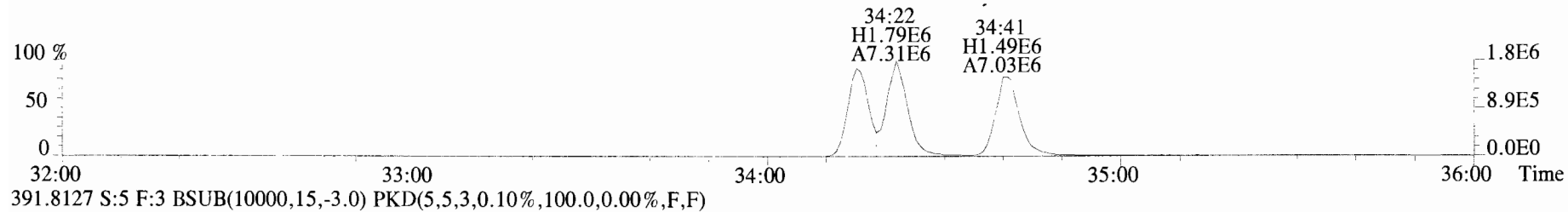
367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



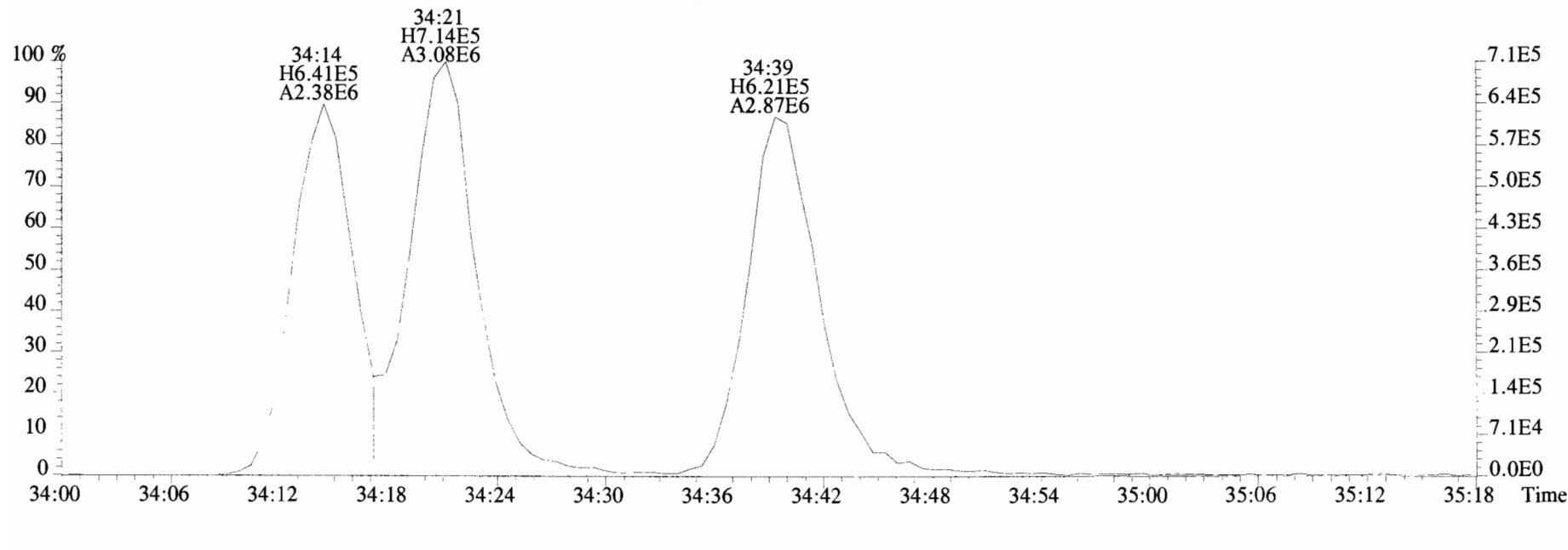
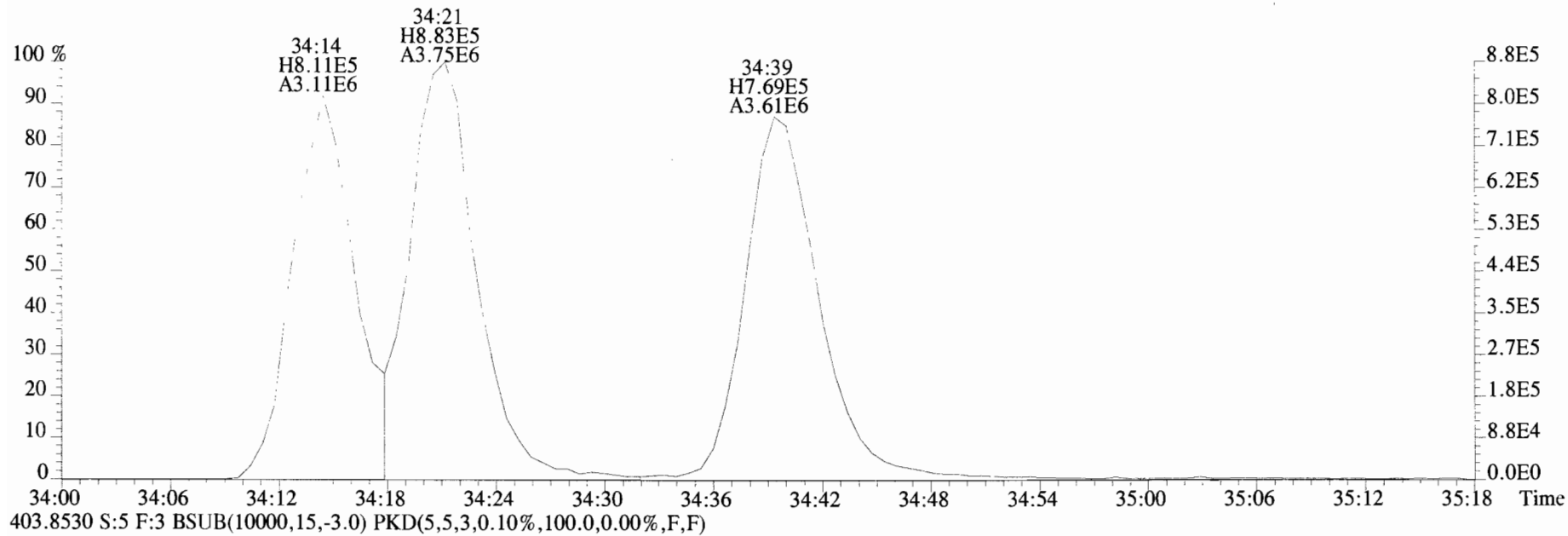
366.9792 S:5 F:2



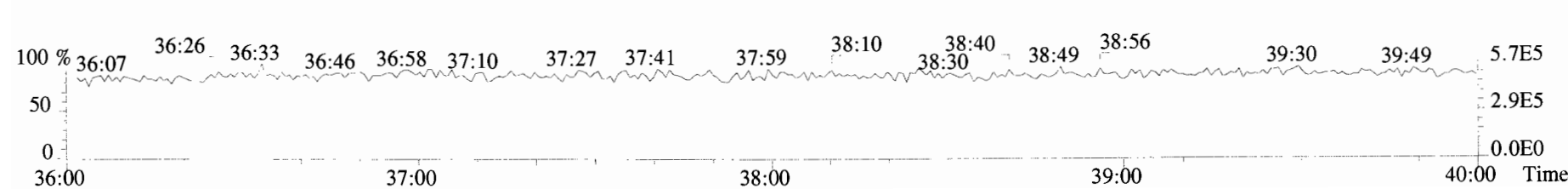
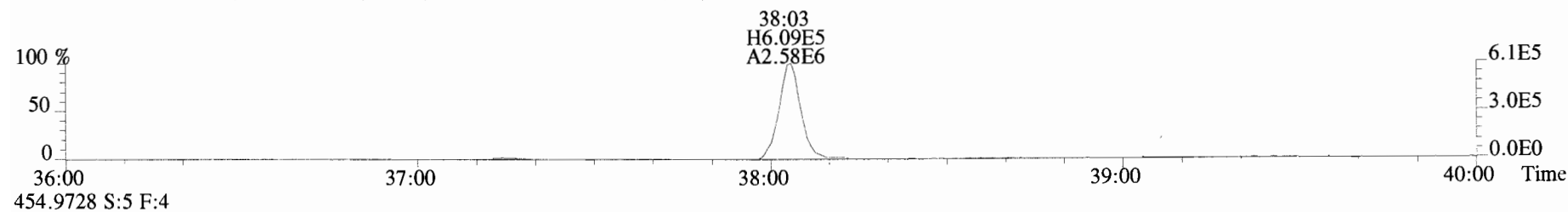
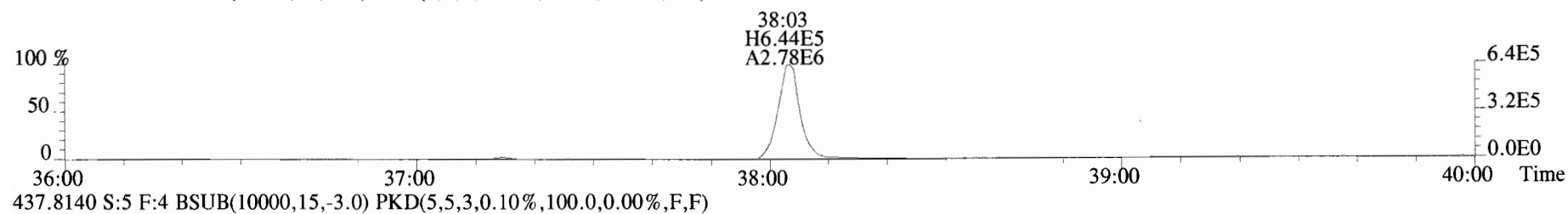
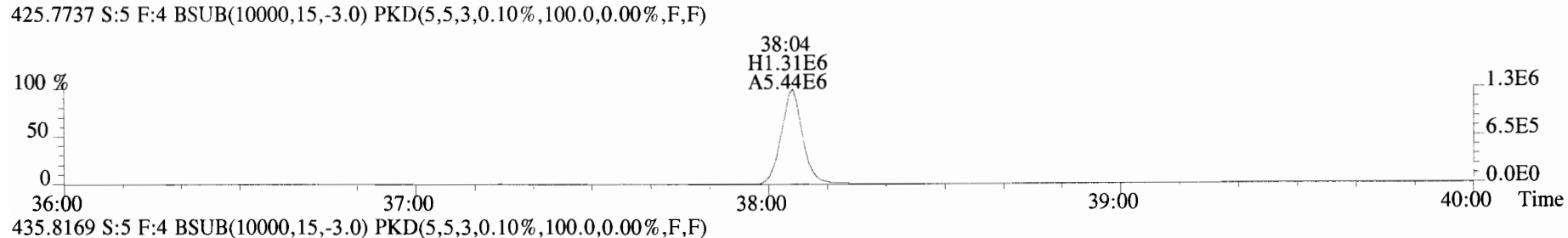
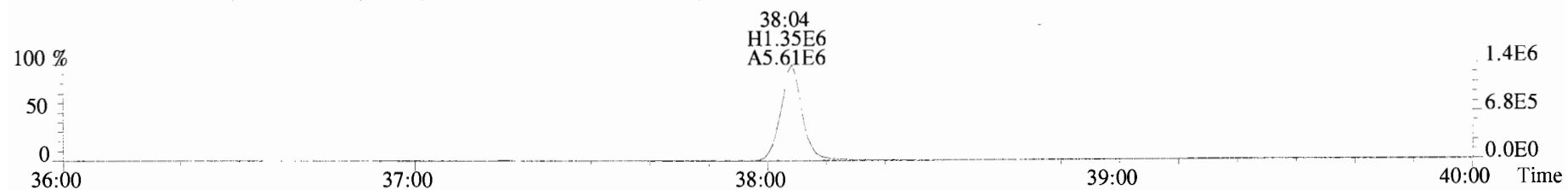
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



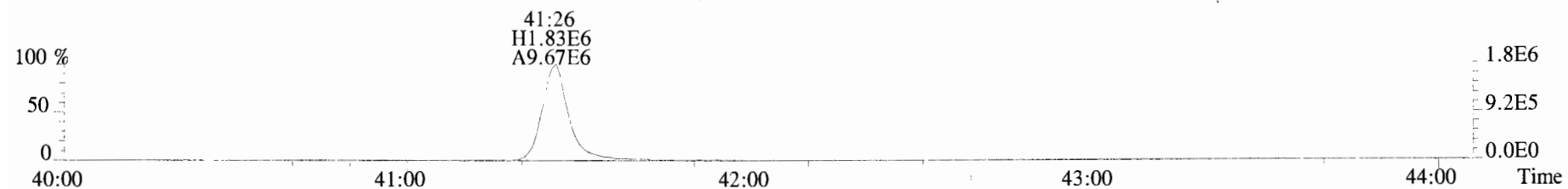
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



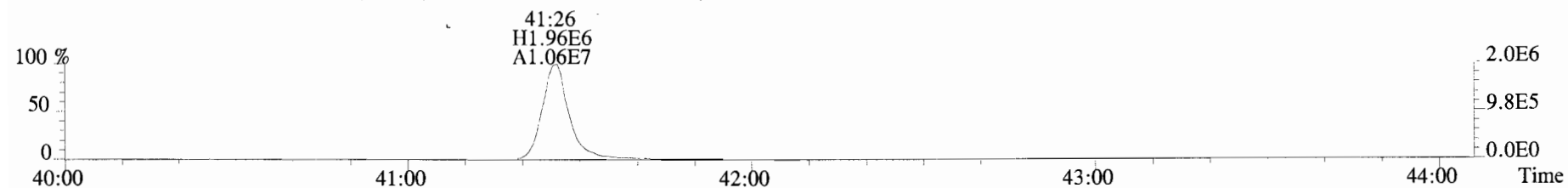
File:191009D1 #1-356 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista_Analytical_Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



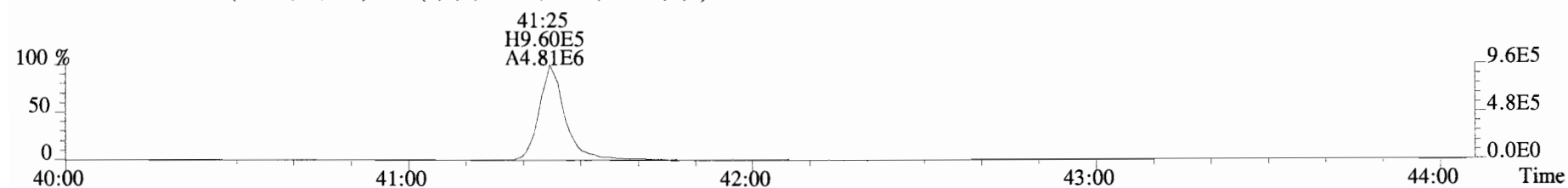
File:191009D1 #1-431 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



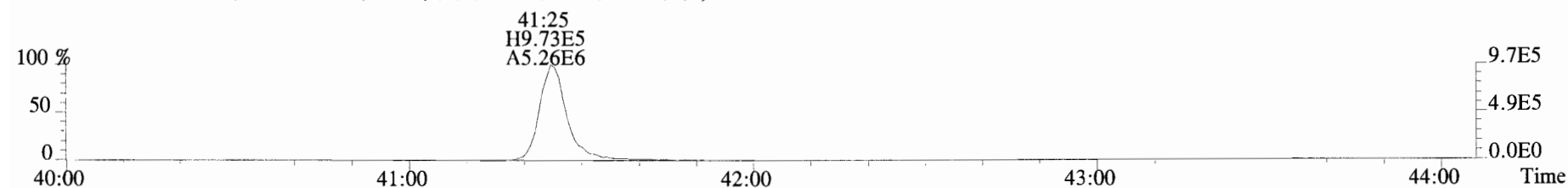
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



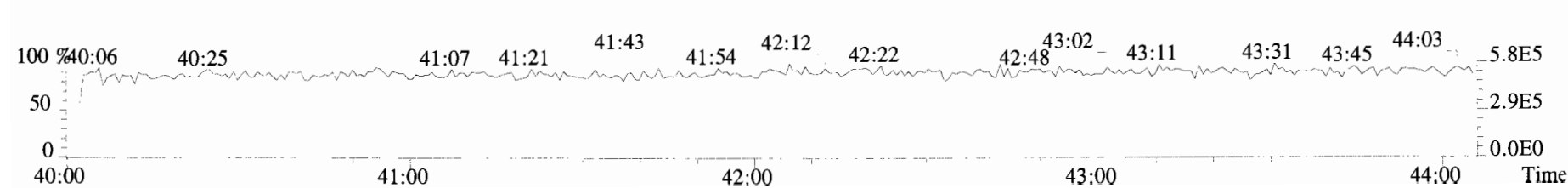
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



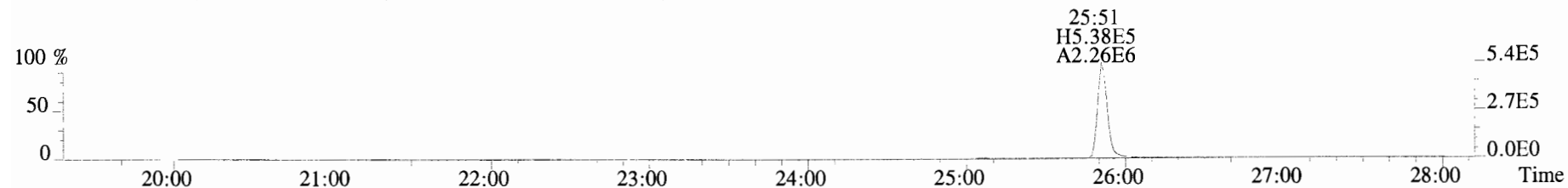
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



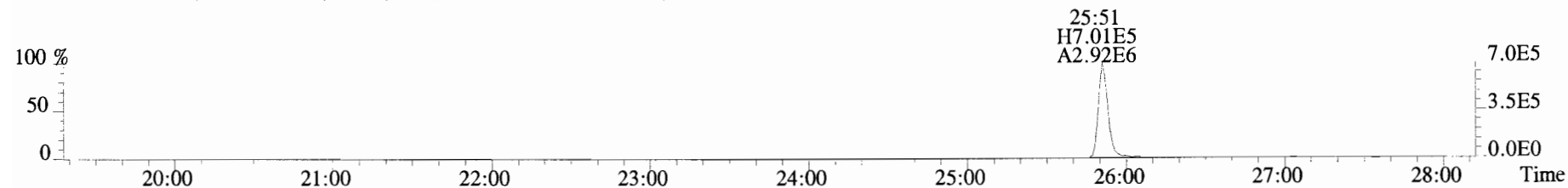
454.9728 S:5 F:5



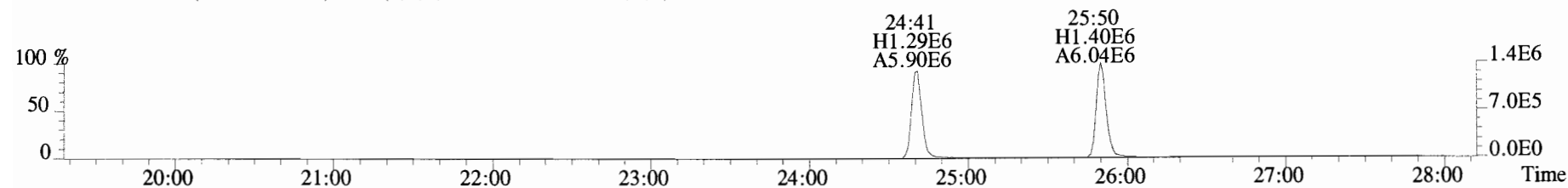
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



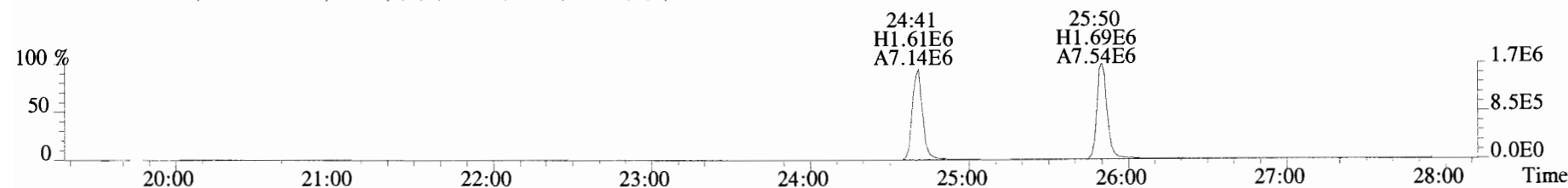
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



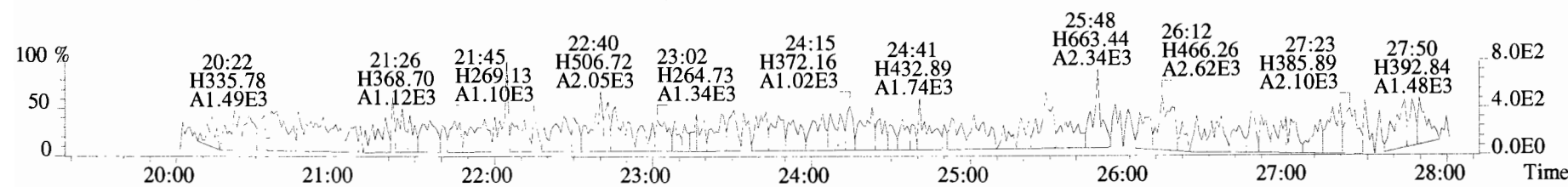
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



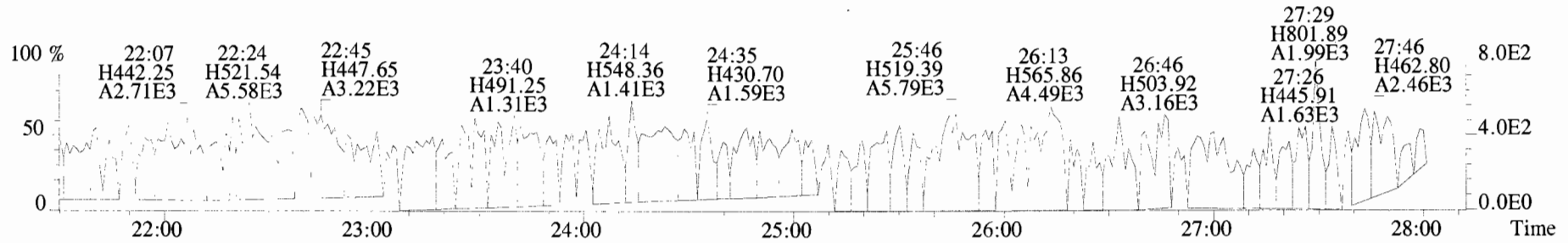
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



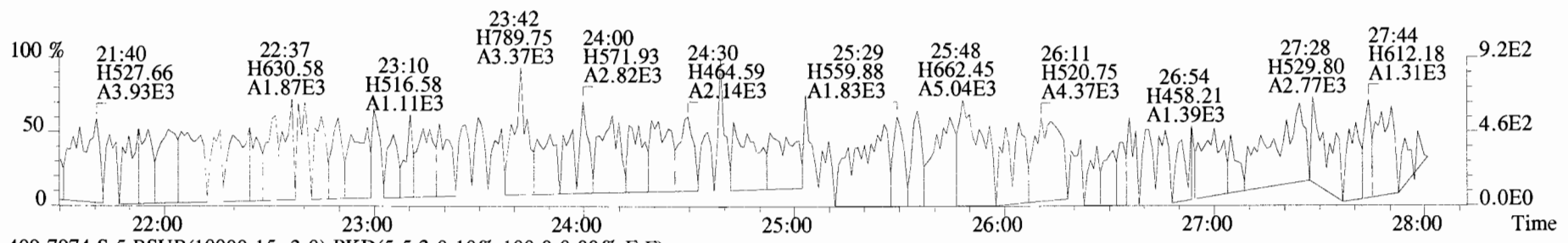
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



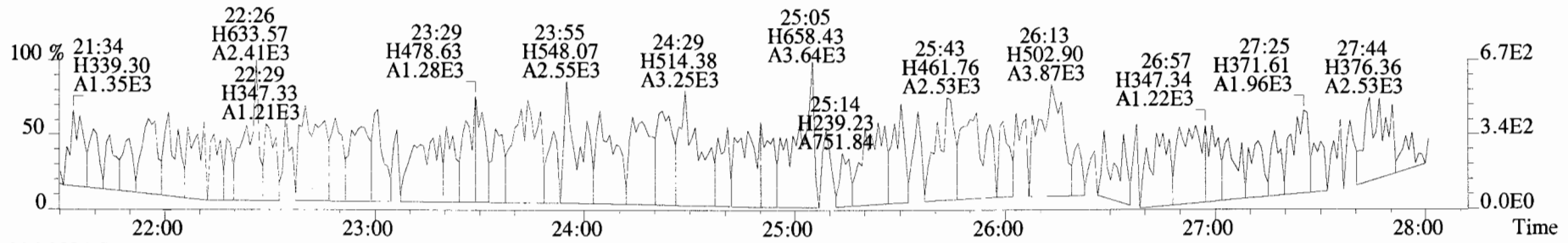
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



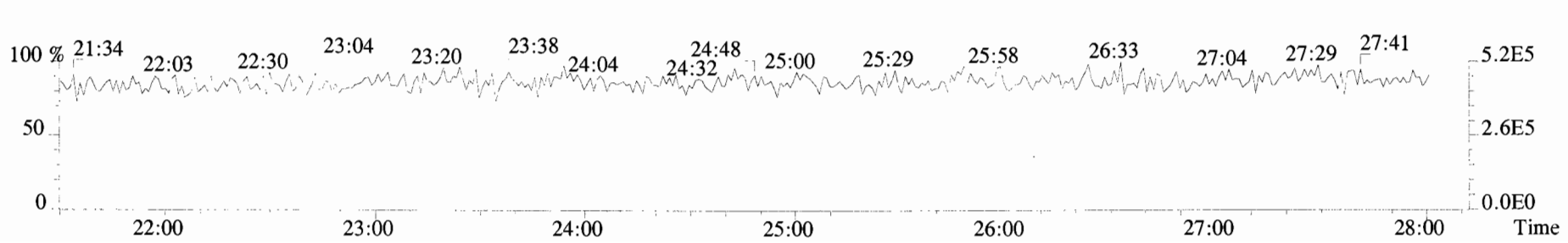
341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



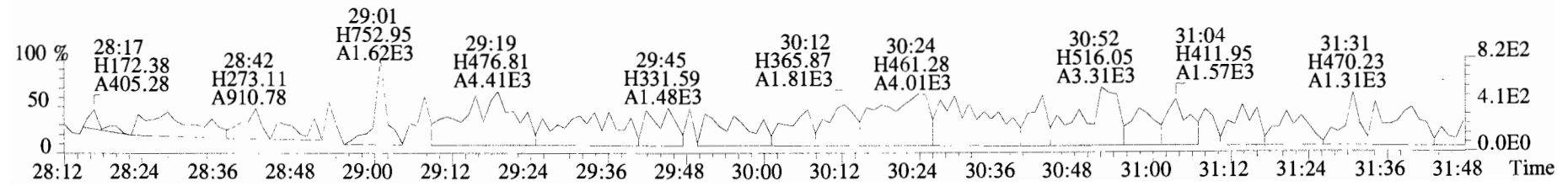
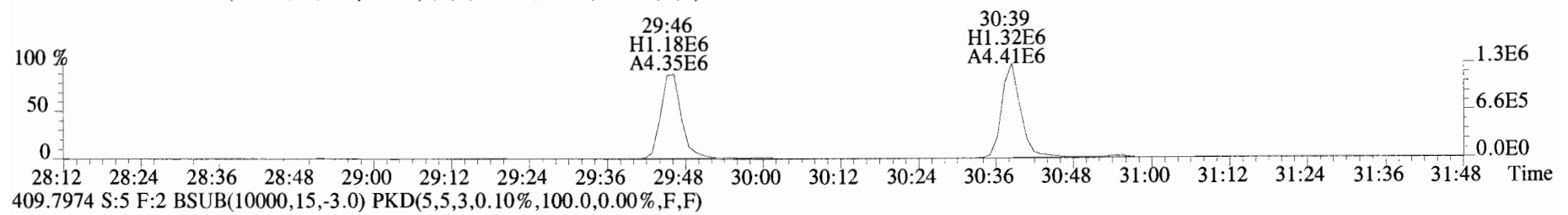
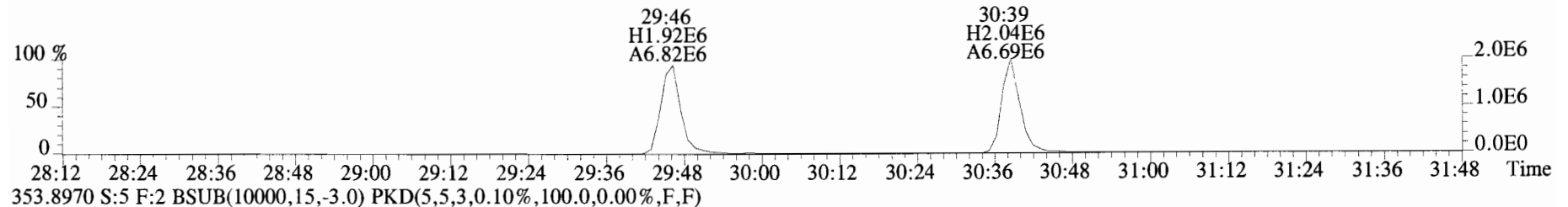
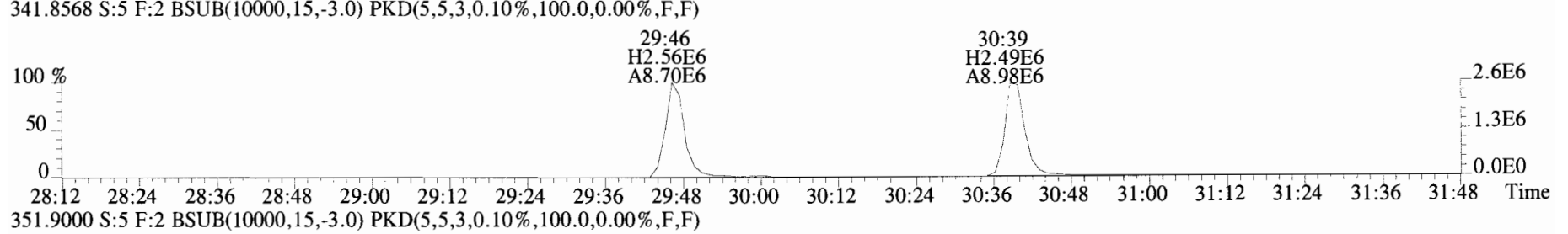
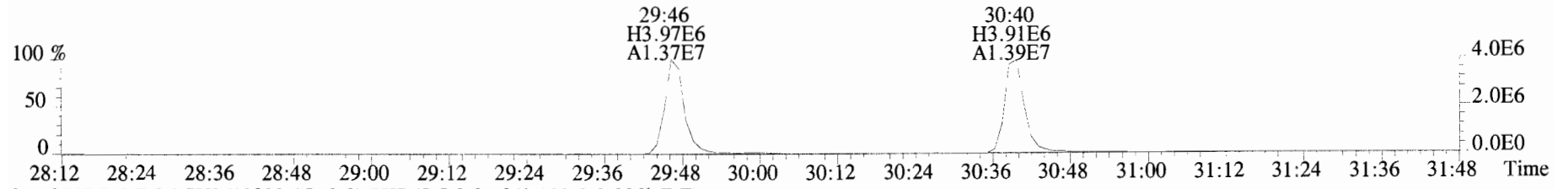
409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



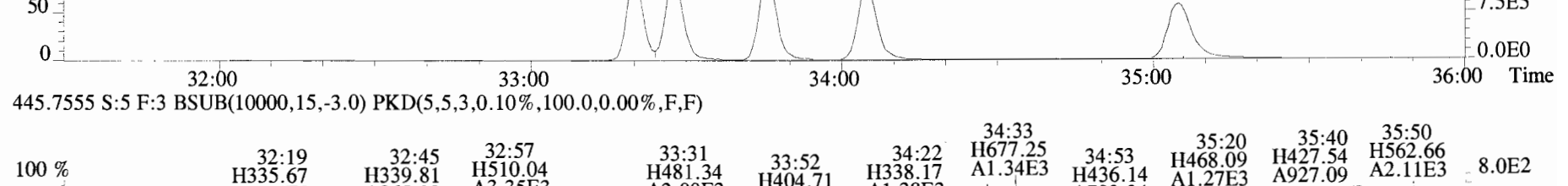
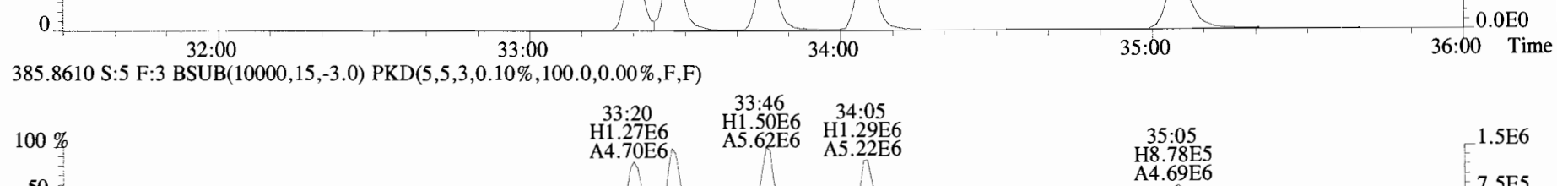
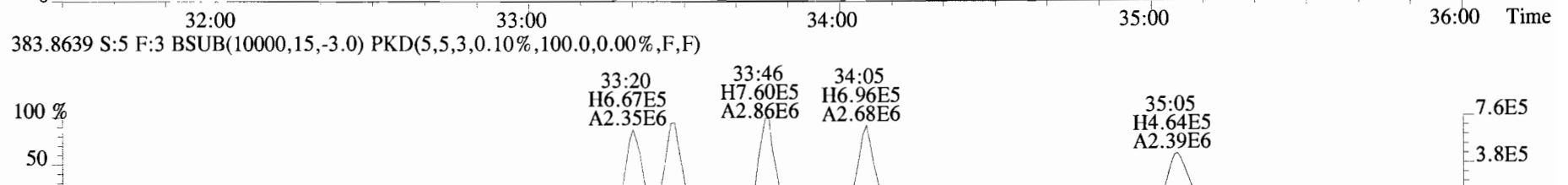
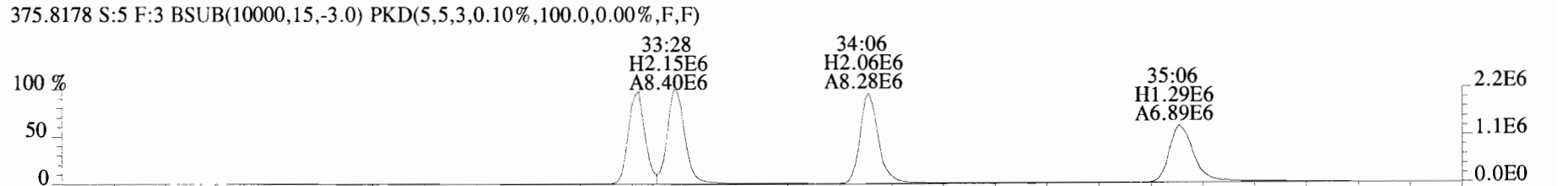
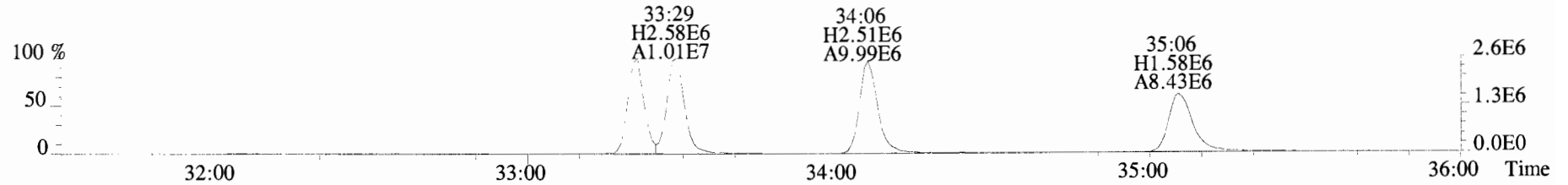
316.9824 S:5



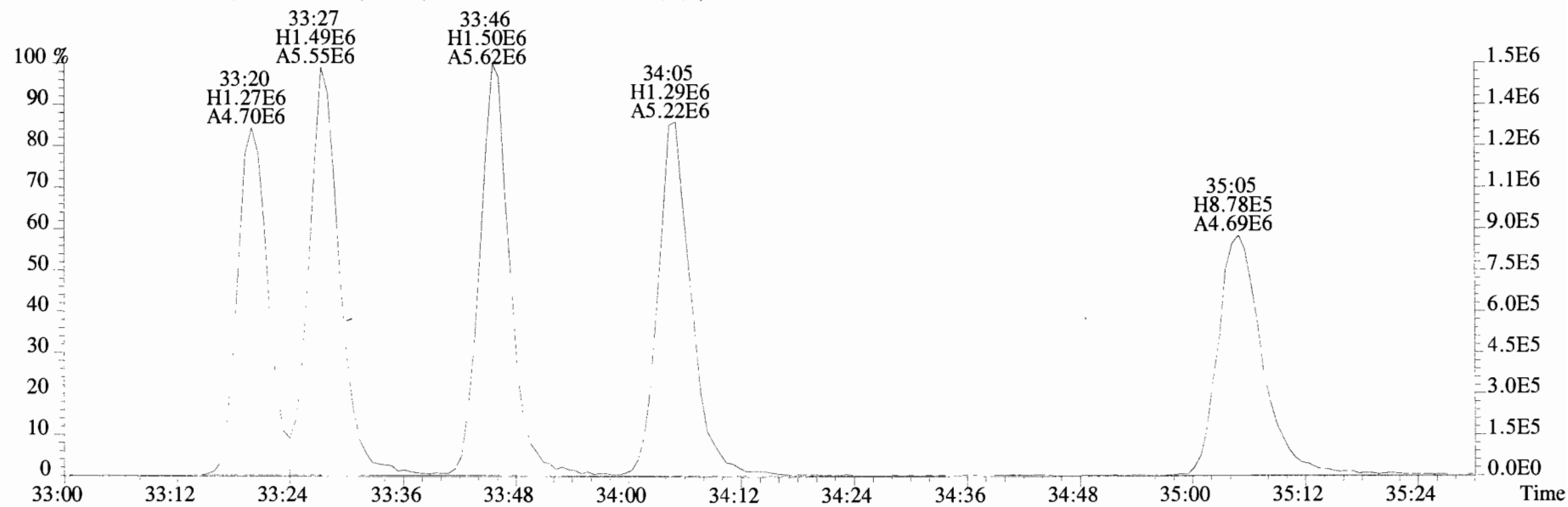
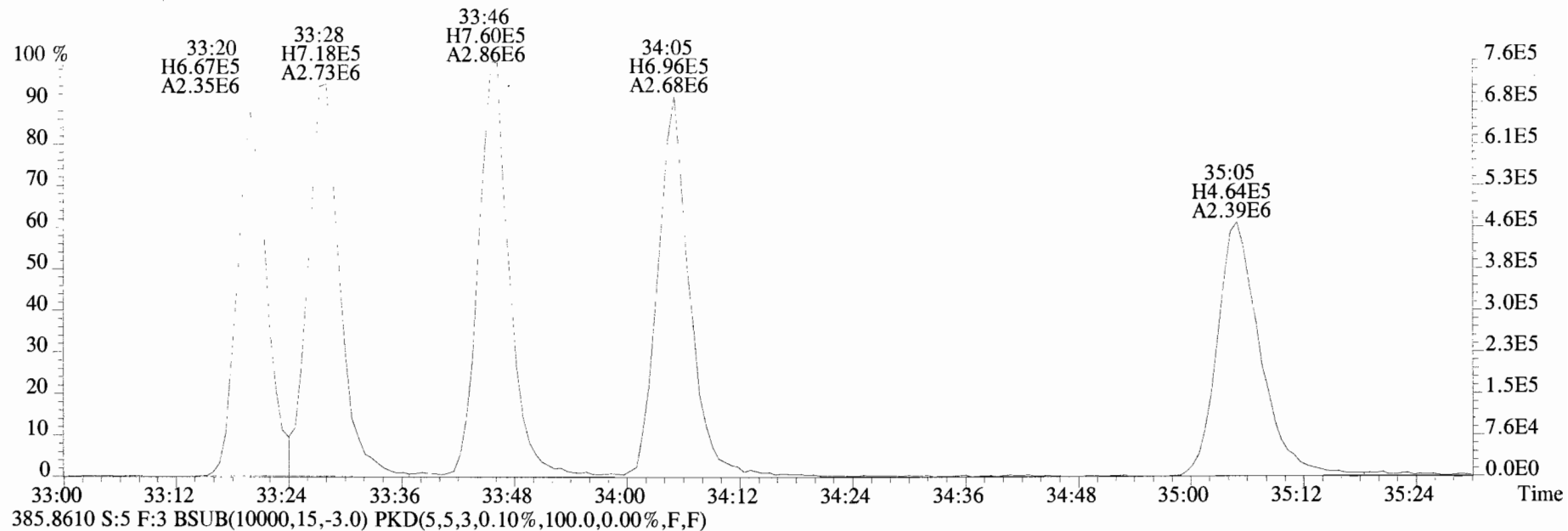
File:191009D1 #1-210 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
 339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



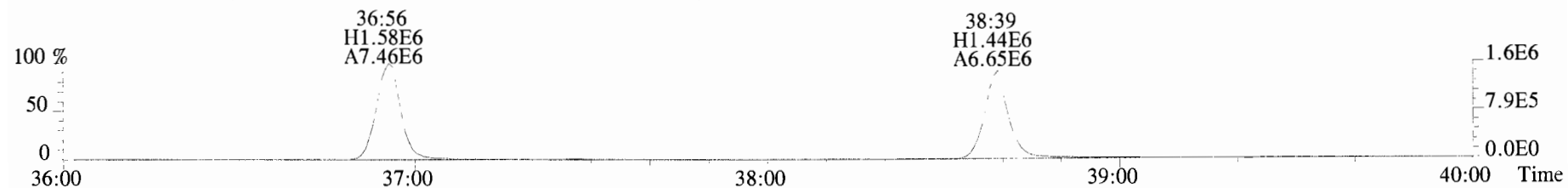
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



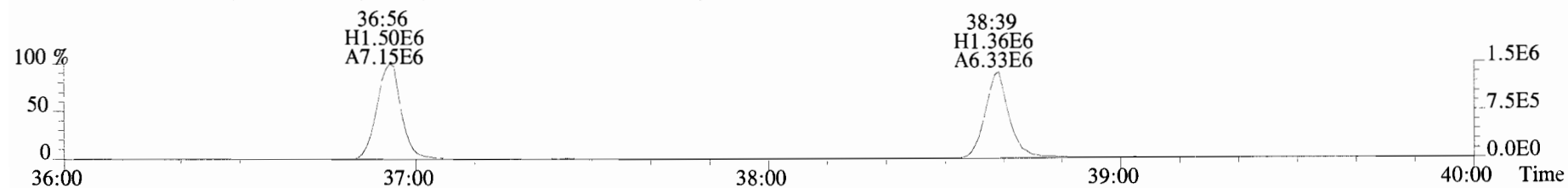
File: 191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory VG7 Text: ST191009D1-5 1613 CS4 19C2205 Exp: OCDD_DB5
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



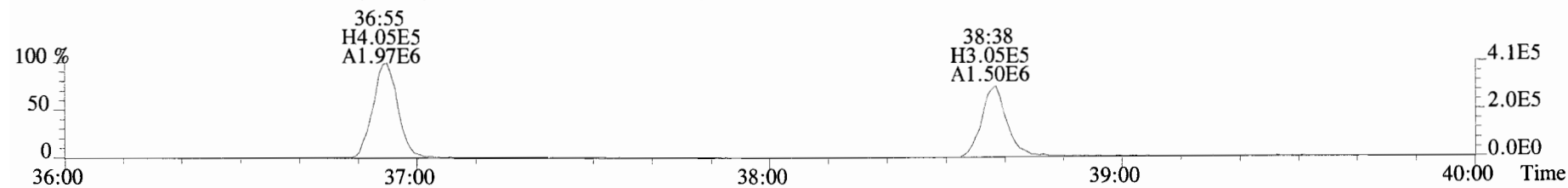
File:191009D1 #1-356 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
 407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



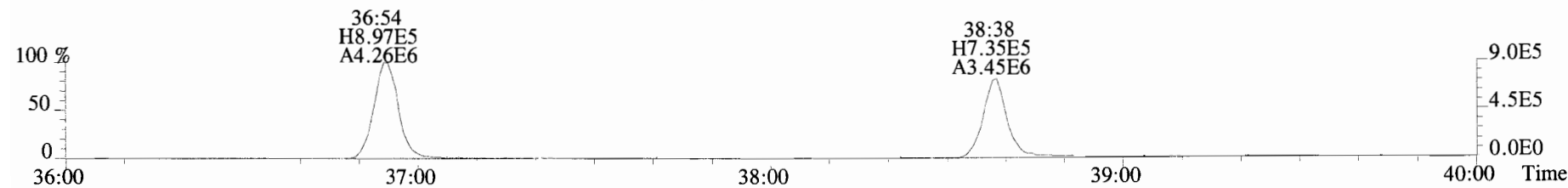
409.7788 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



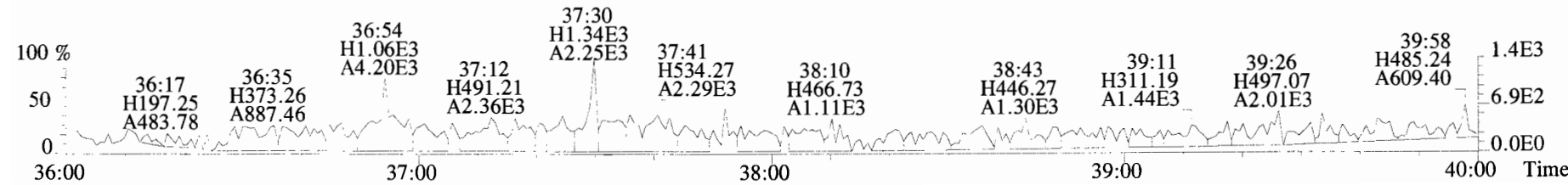
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



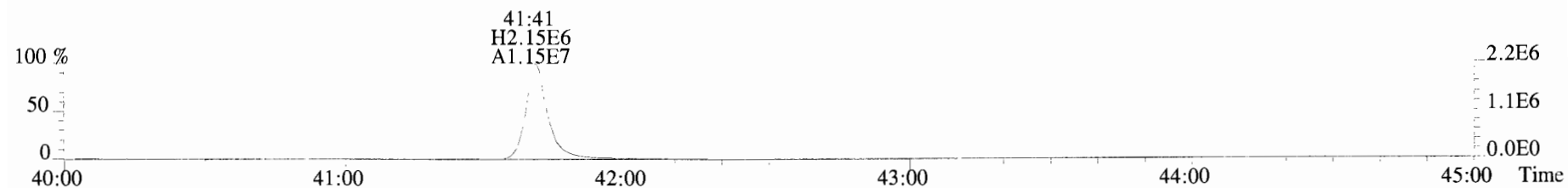
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



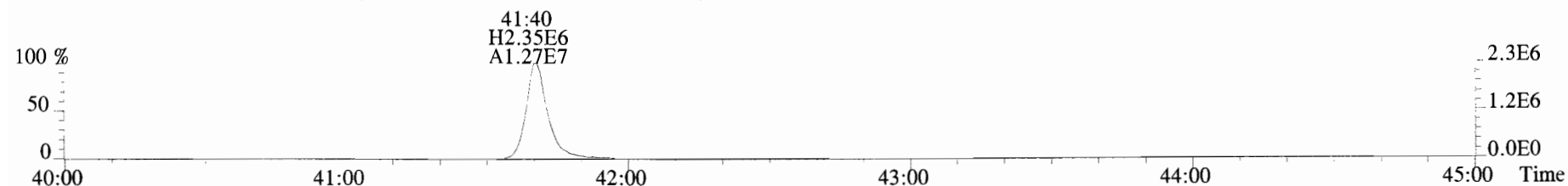
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



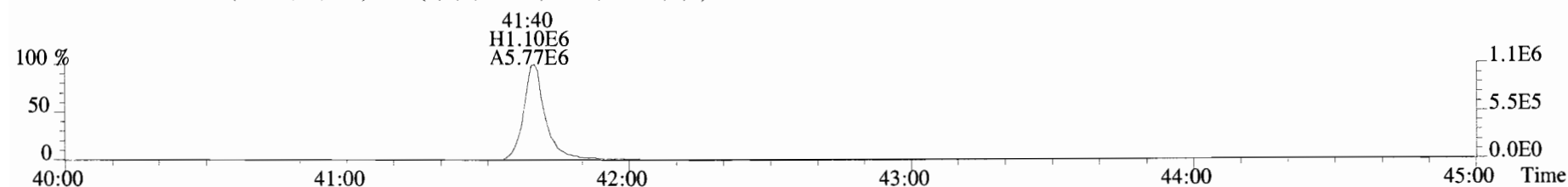
File:191009D1 #1-431 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



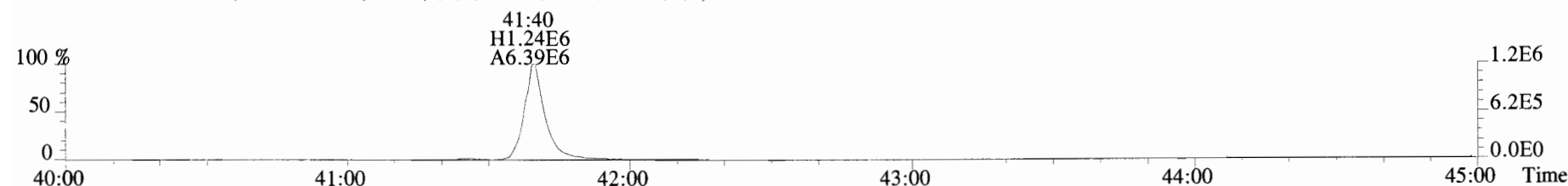
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



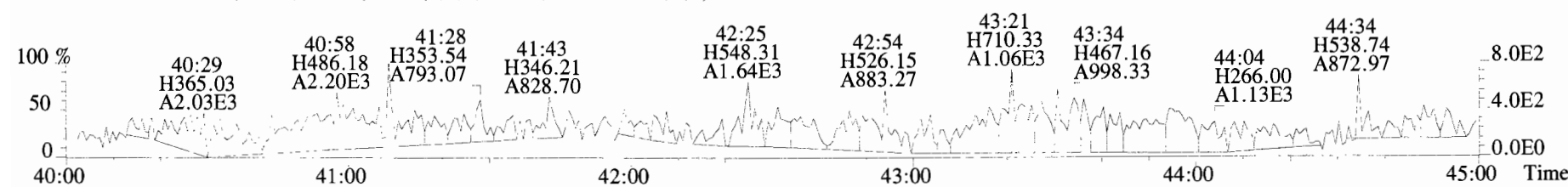
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



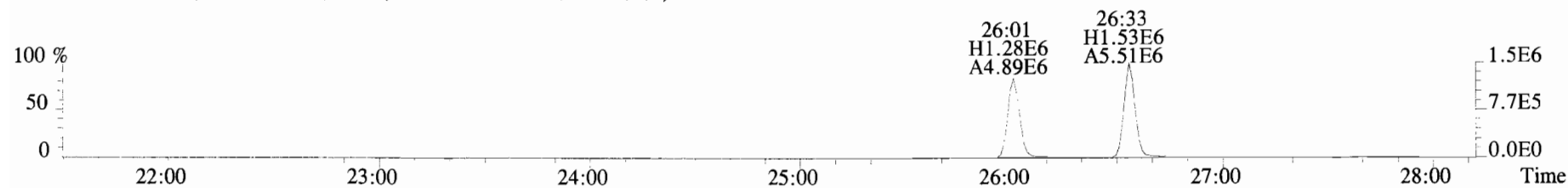
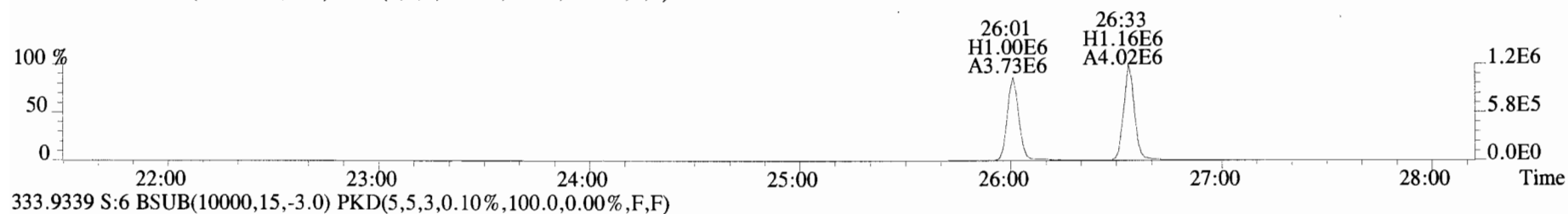
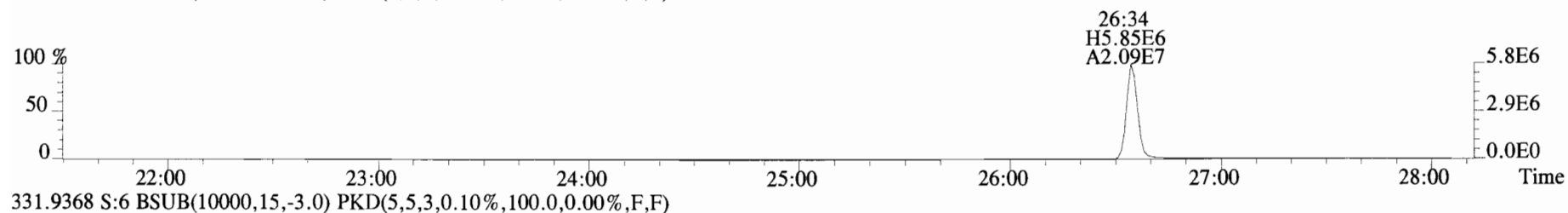
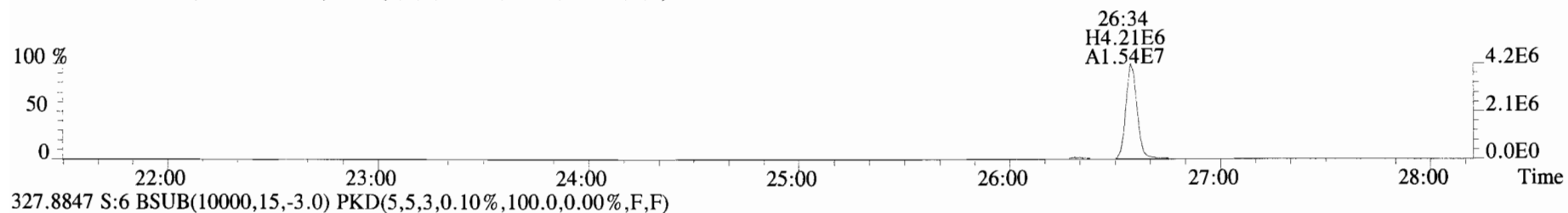
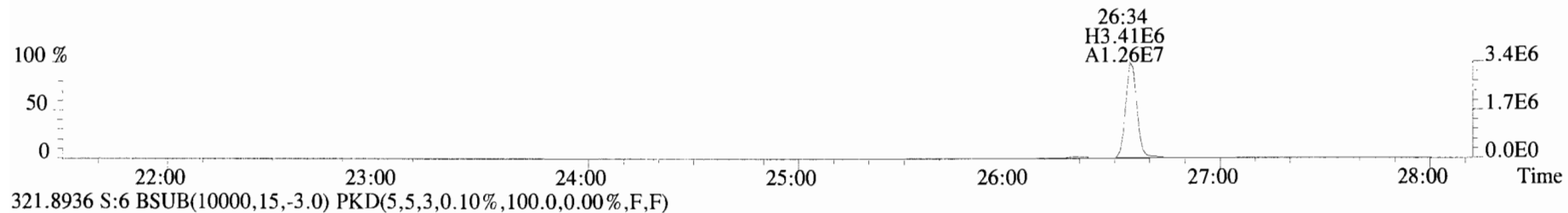
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



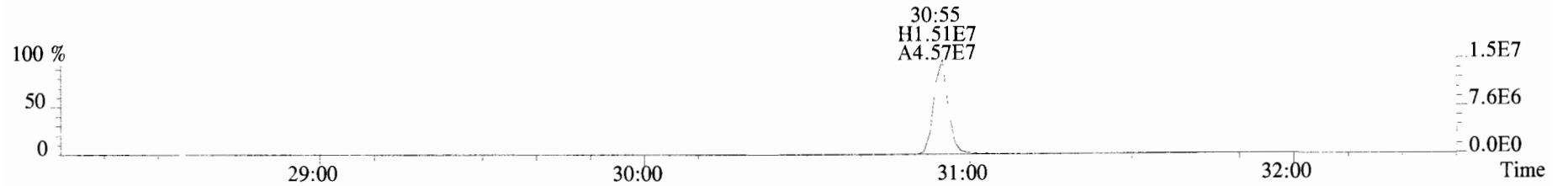
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



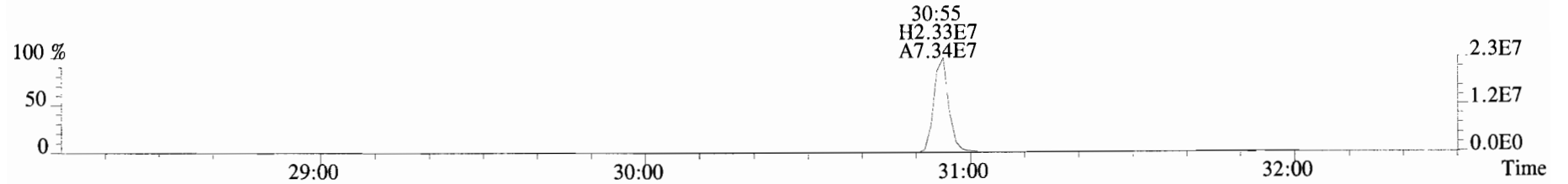
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



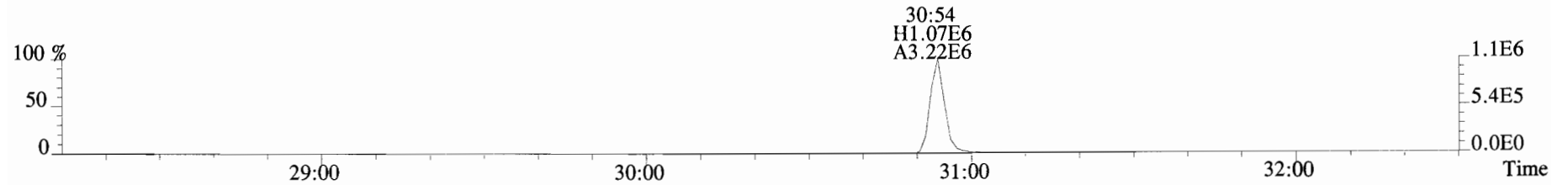
File:191009D1 #1-211 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
353.8576 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



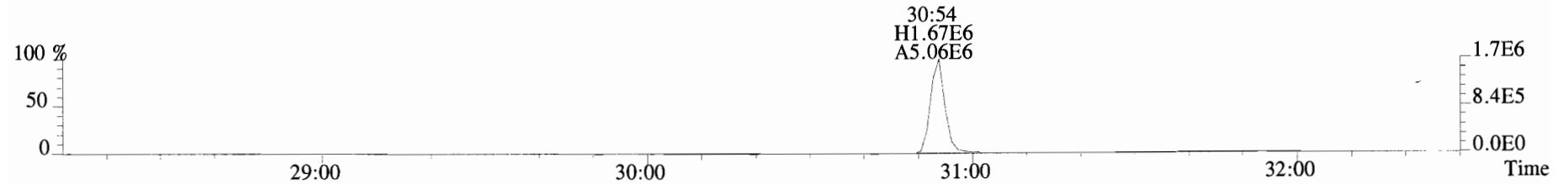
355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



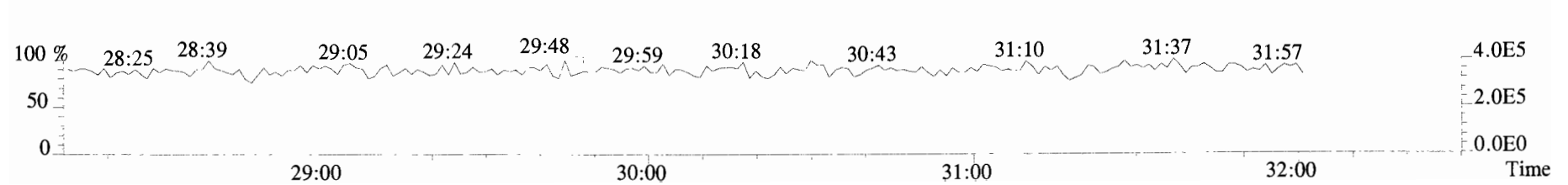
365.8978 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



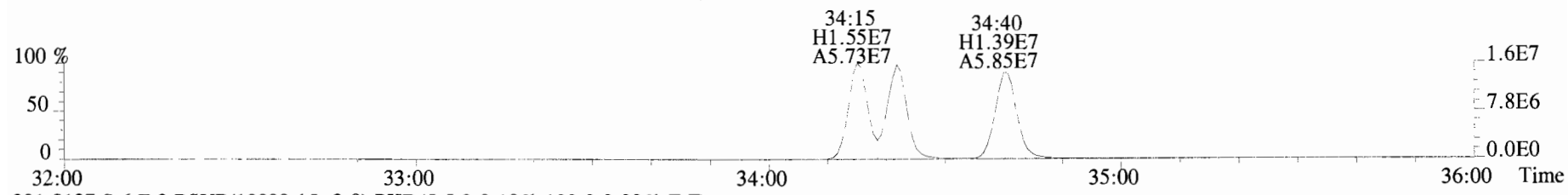
367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



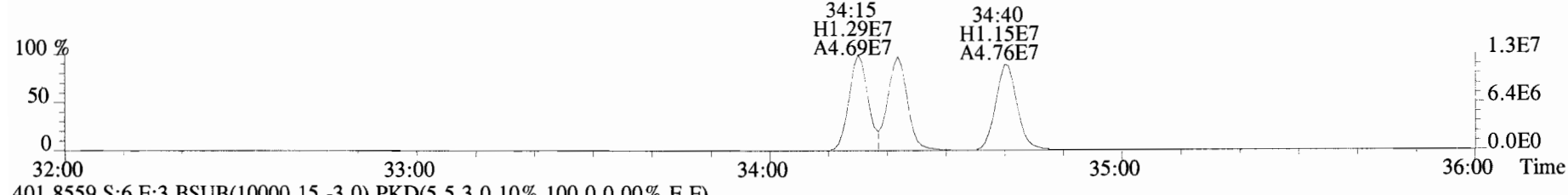
366.9792 S:6 F:2



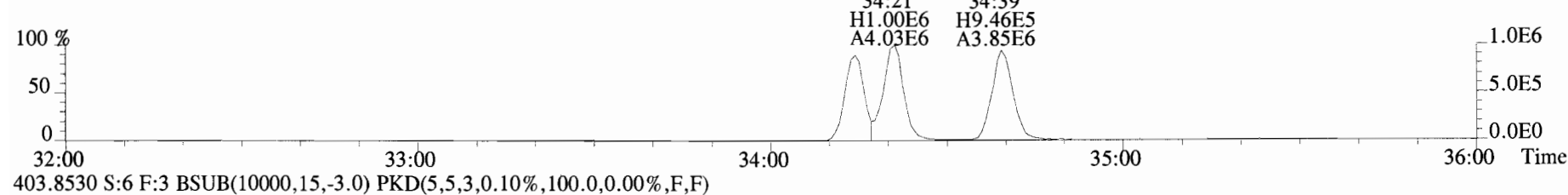
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



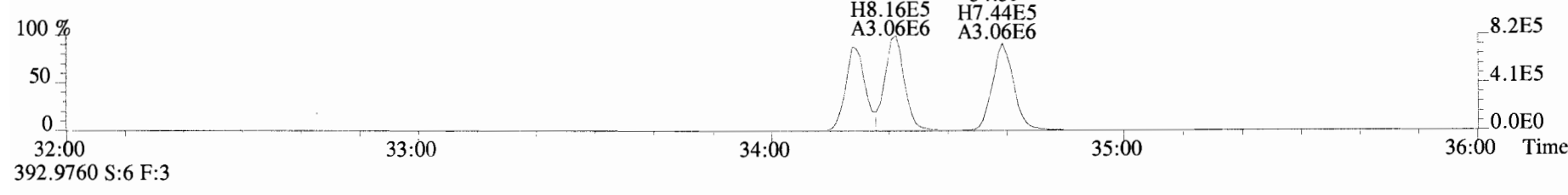
391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



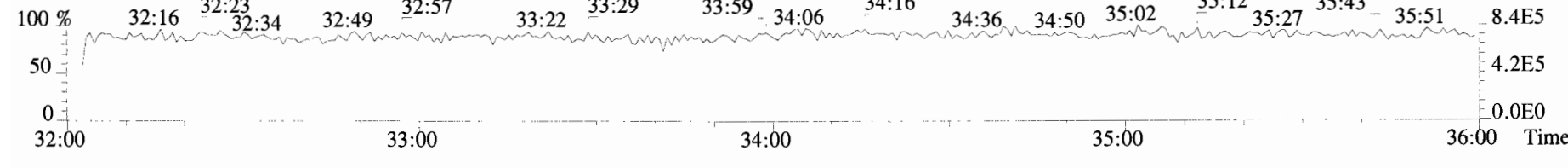
401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



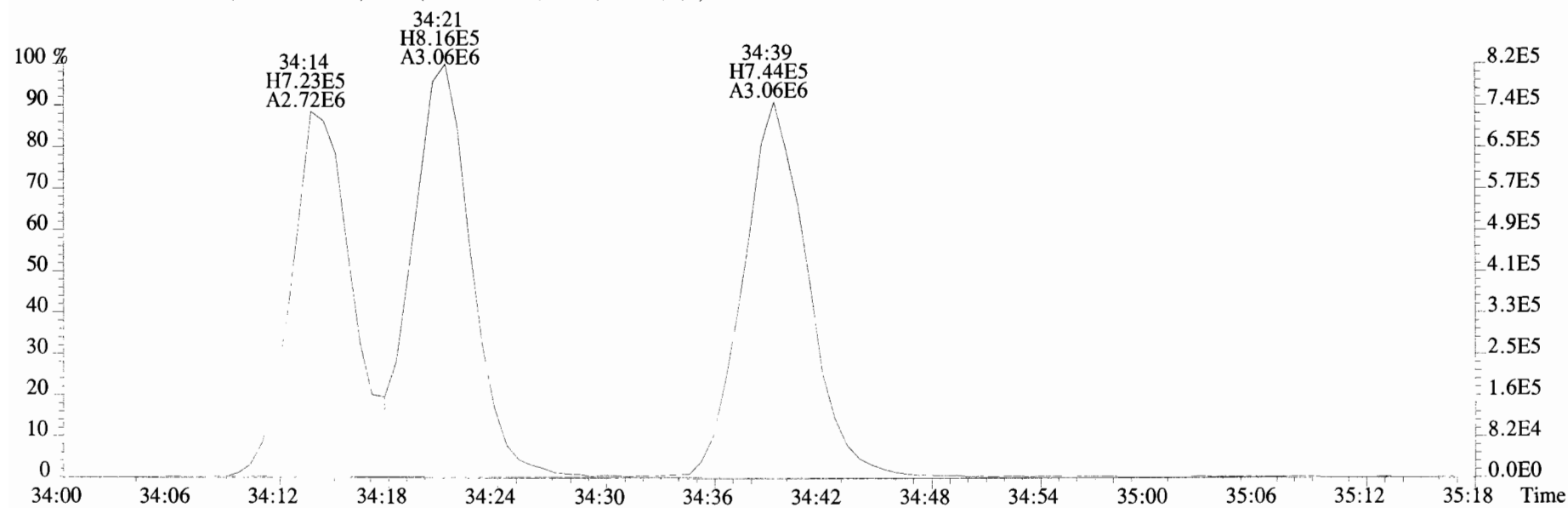
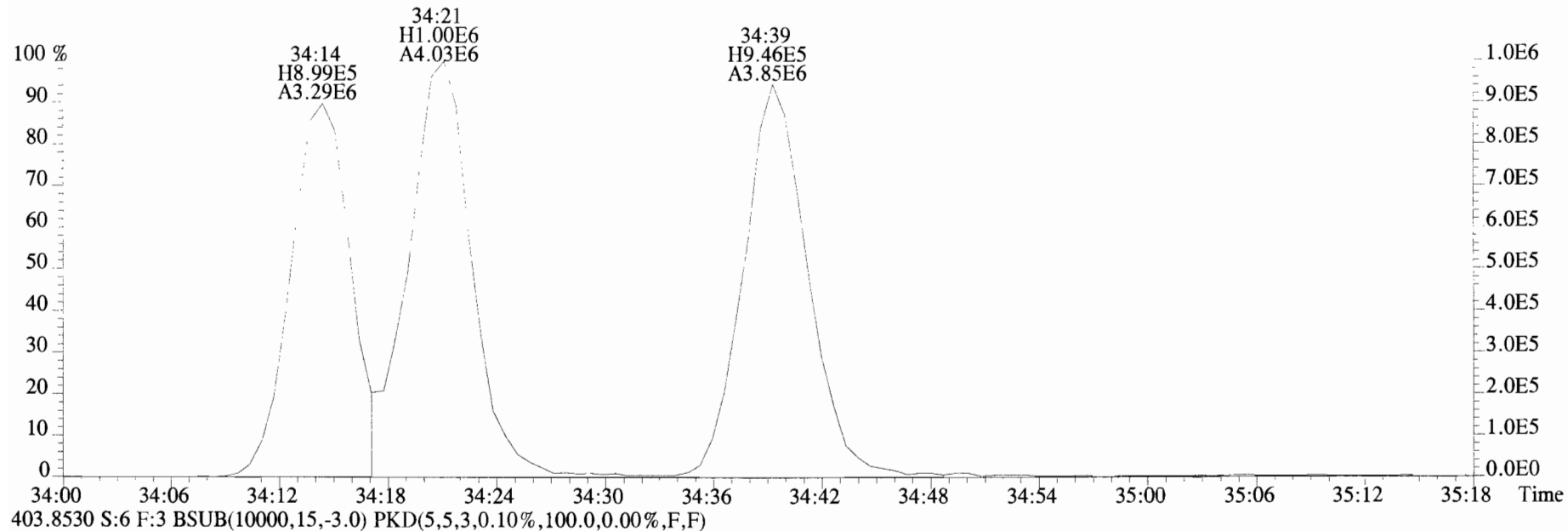
403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



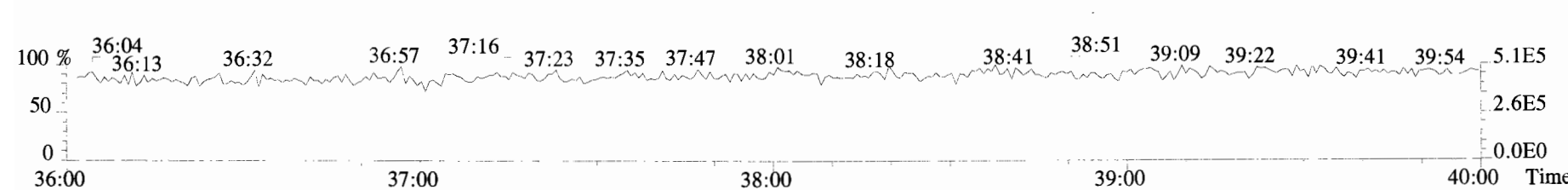
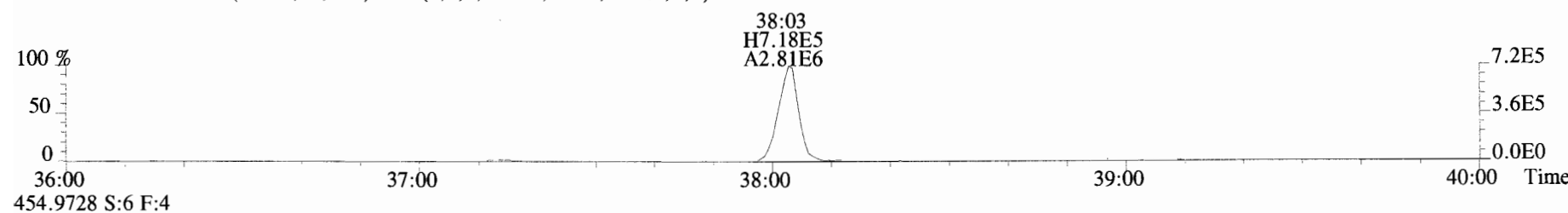
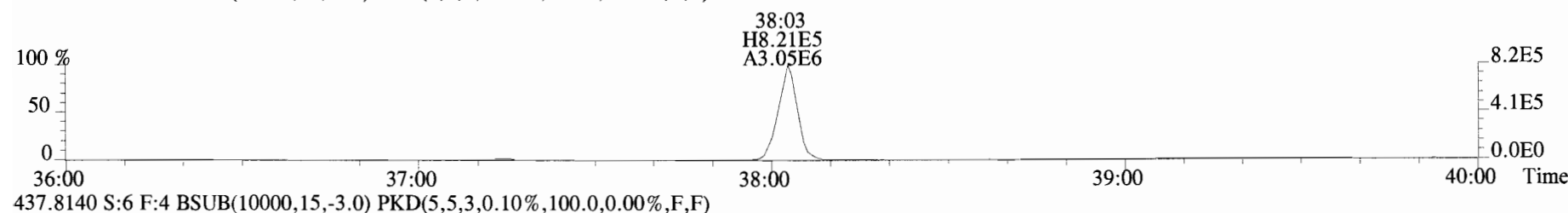
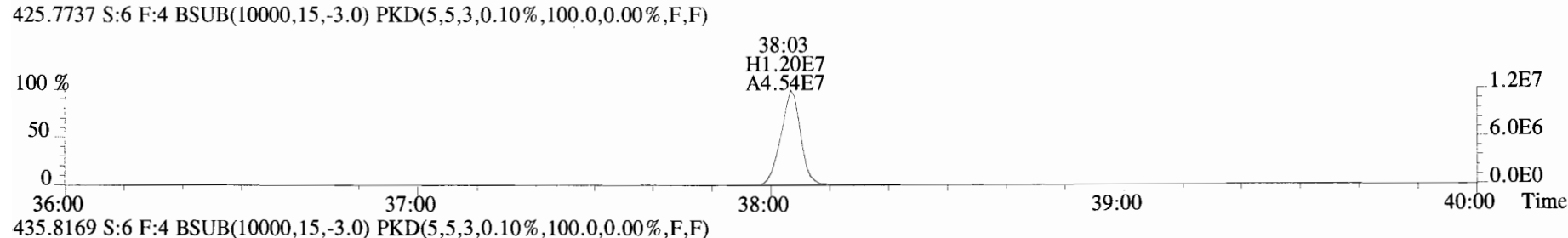
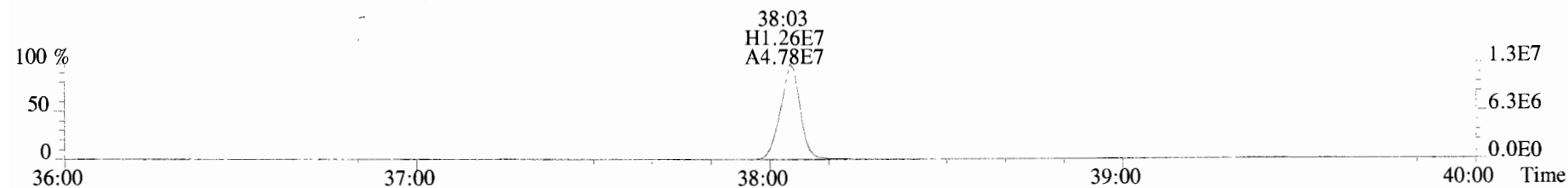
392.9760 S:6 F:3



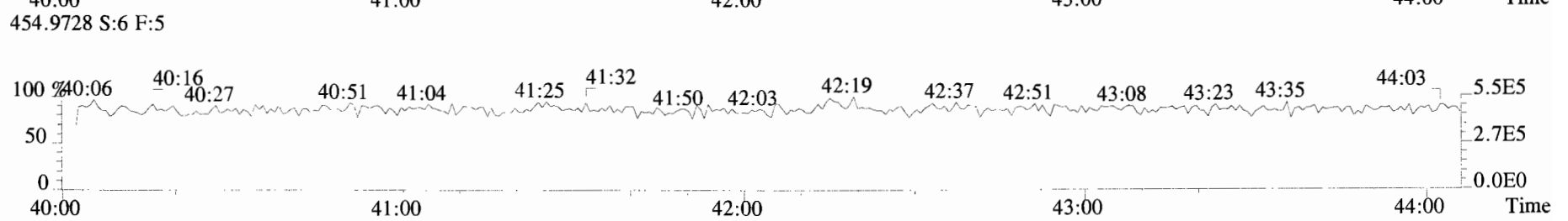
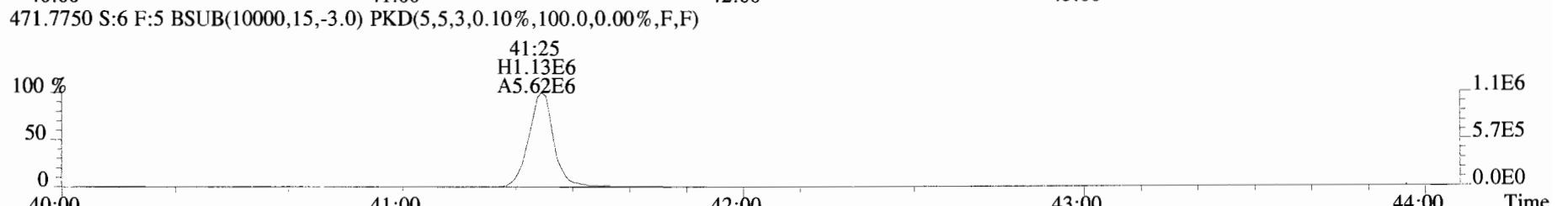
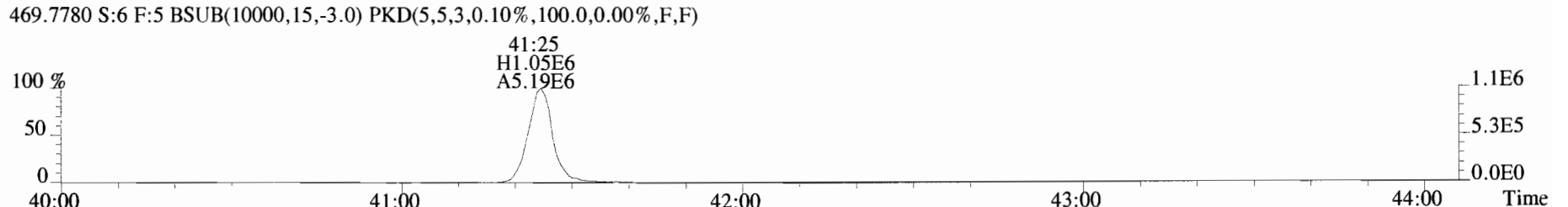
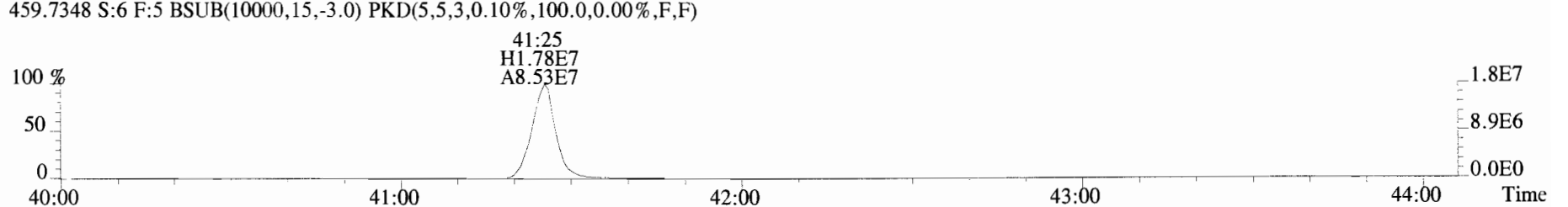
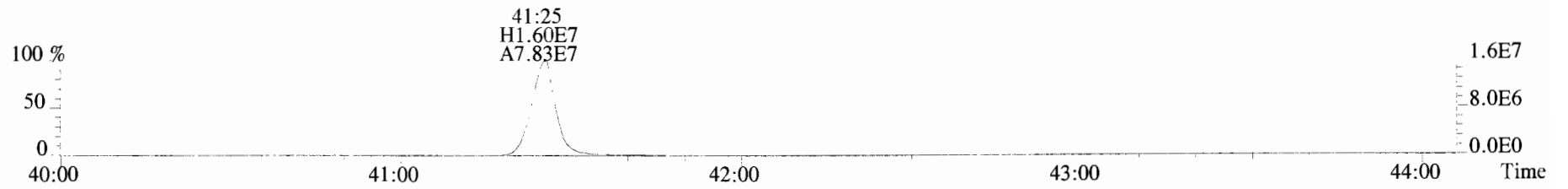
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



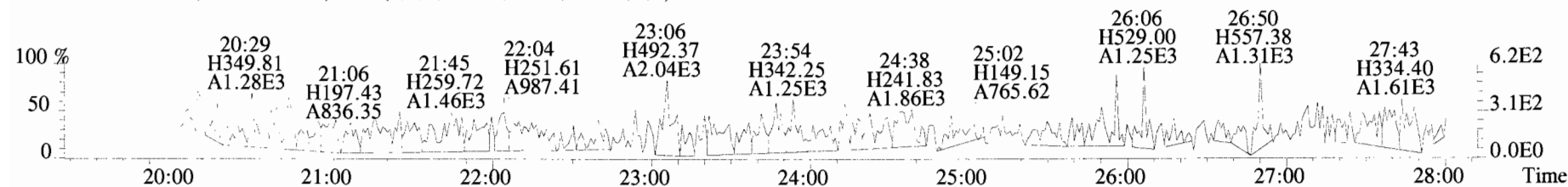
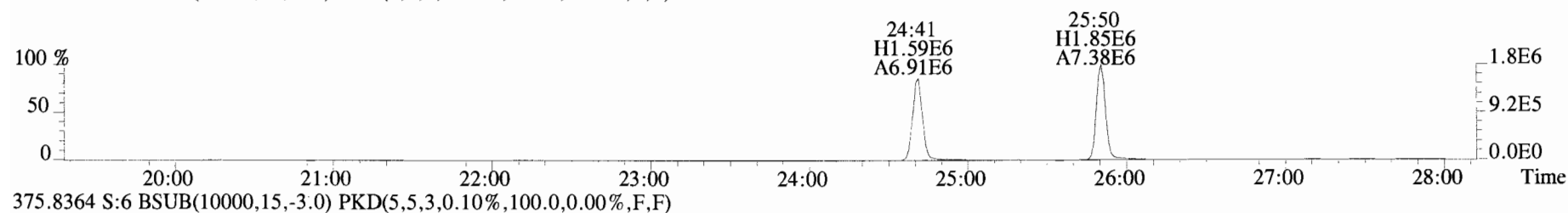
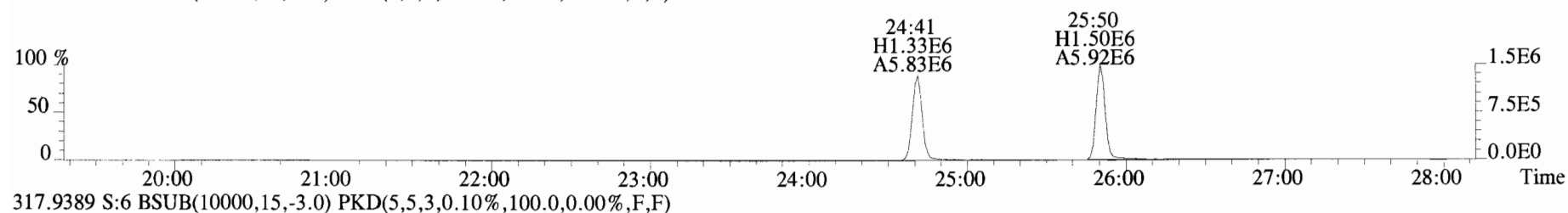
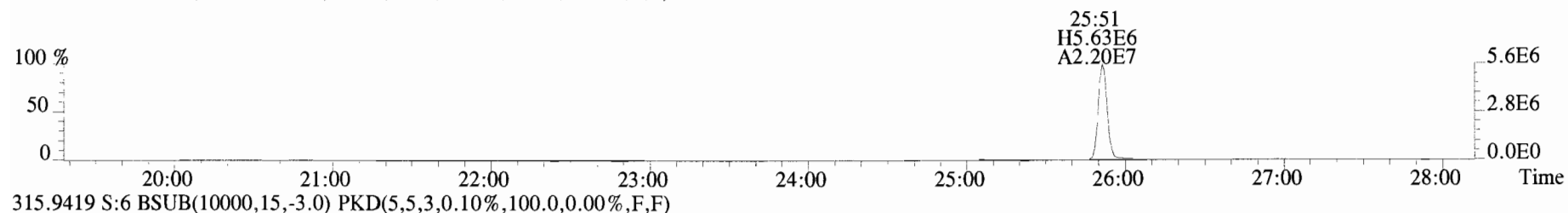
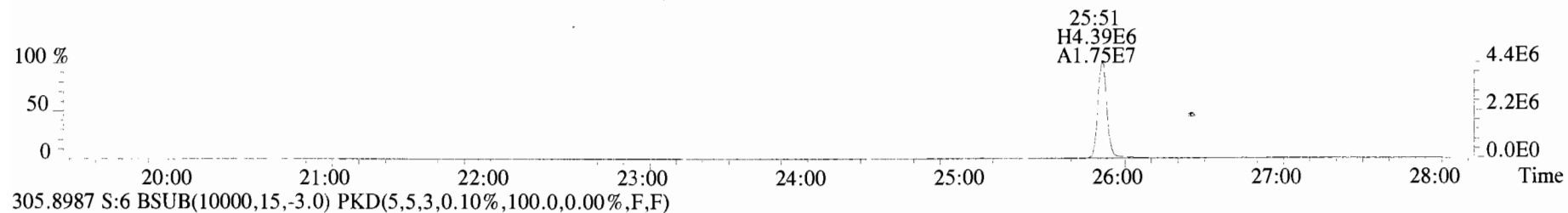
File:191009D1 #1-356 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



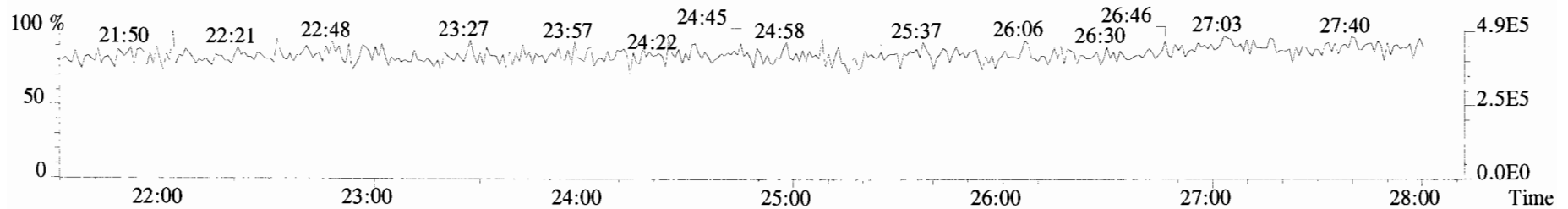
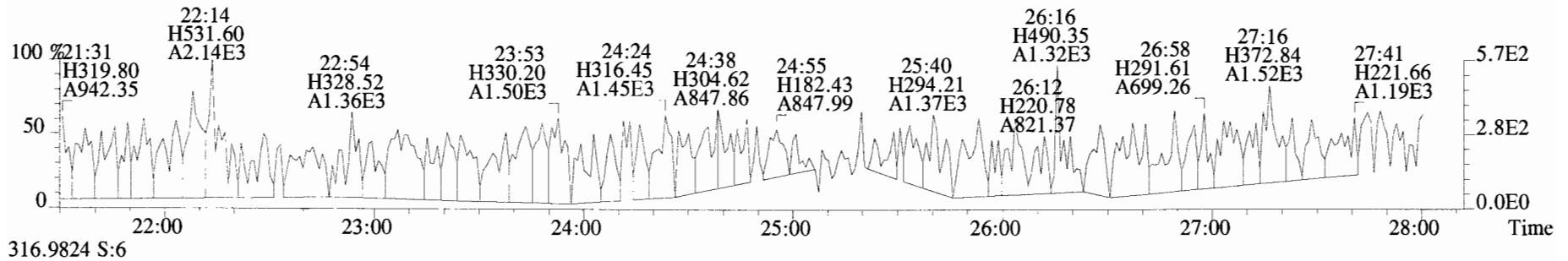
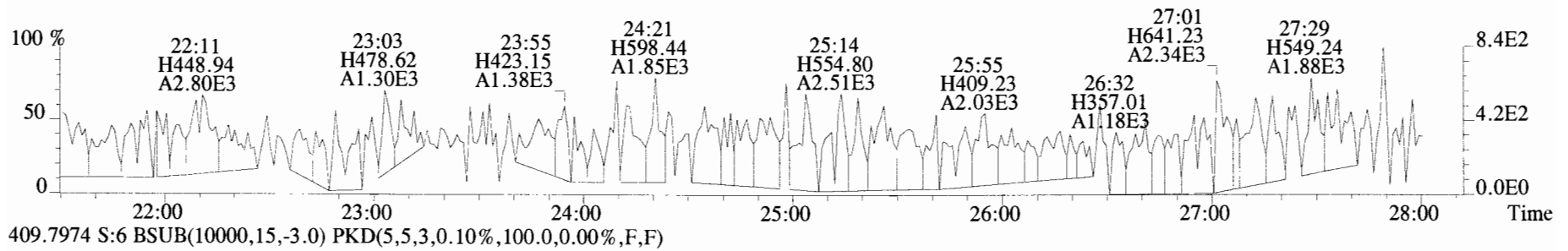
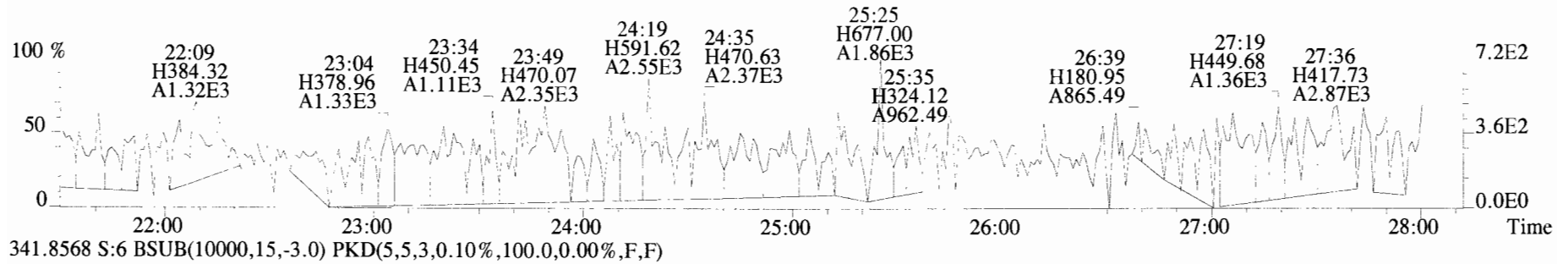
File:191009D1 #1-431 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



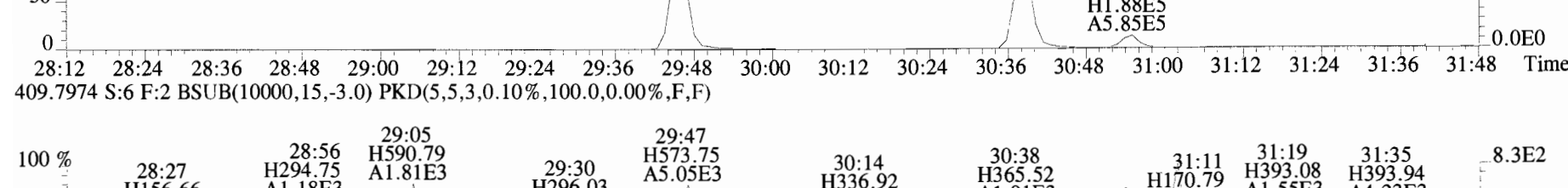
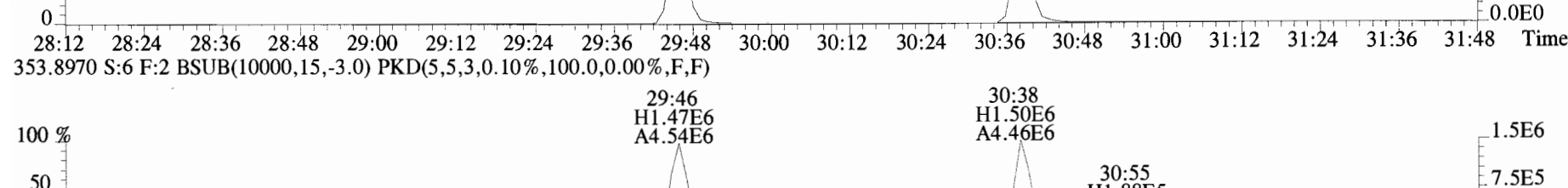
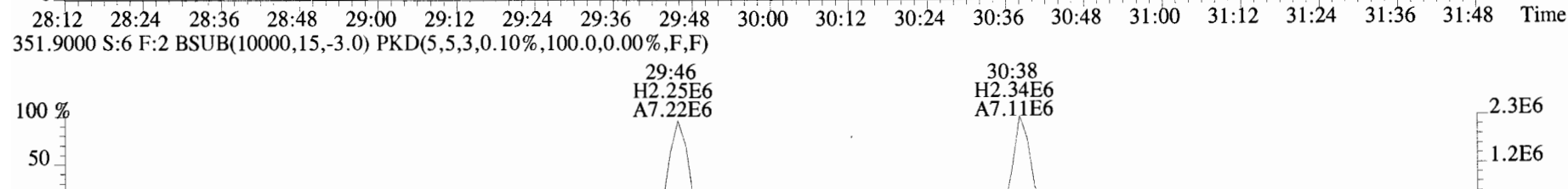
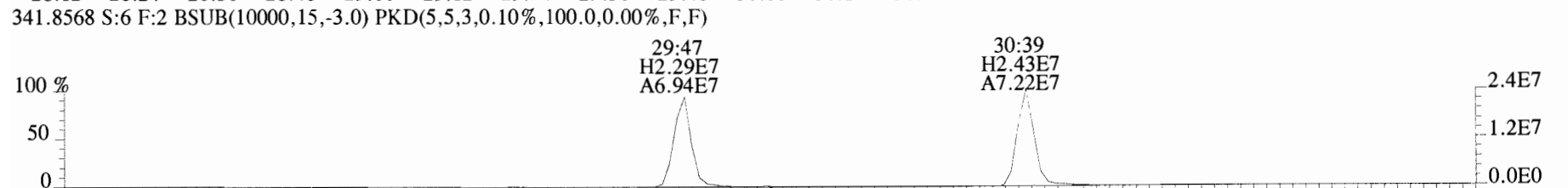
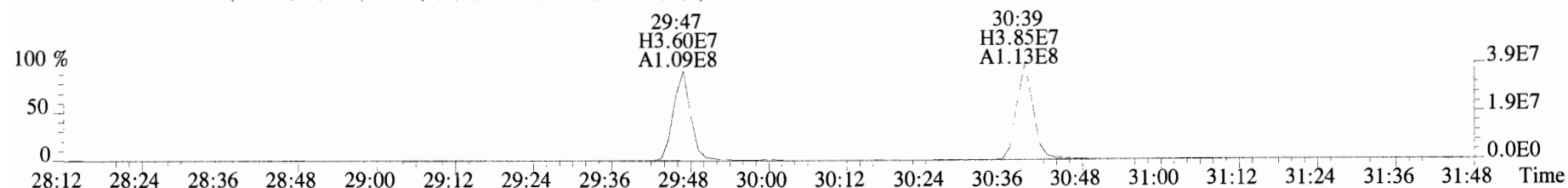
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



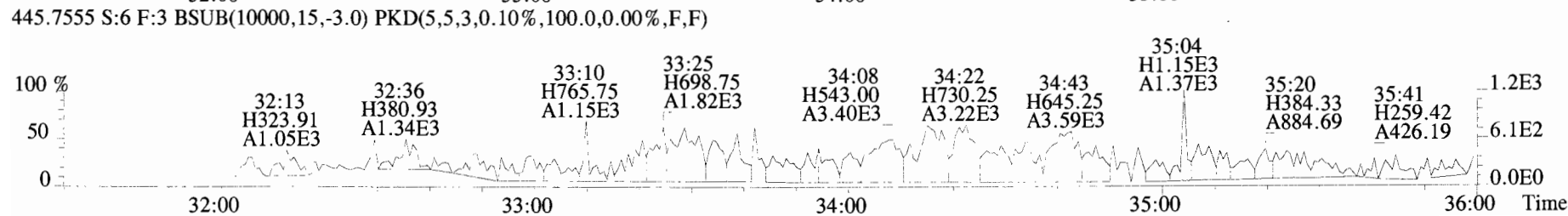
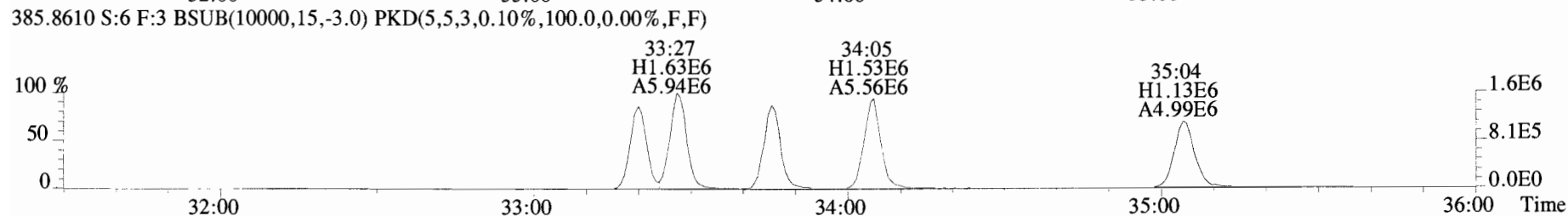
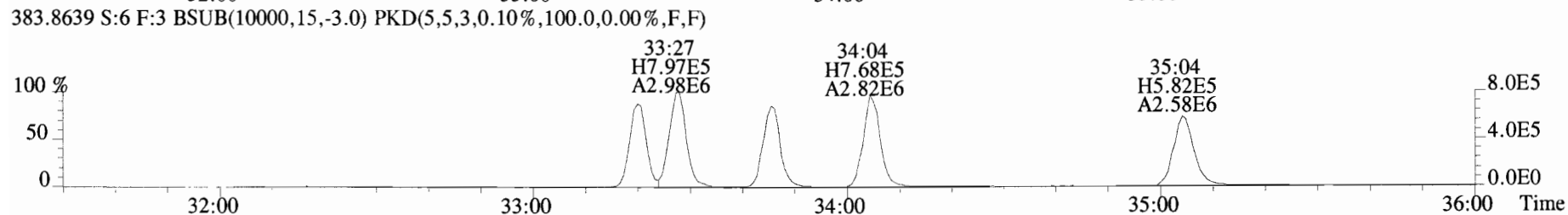
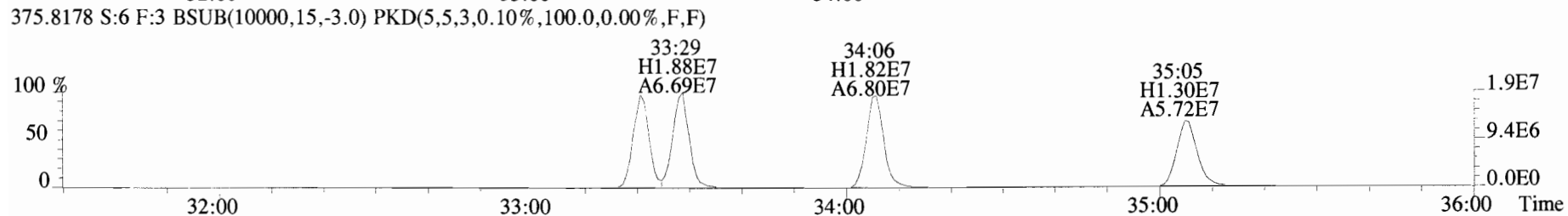
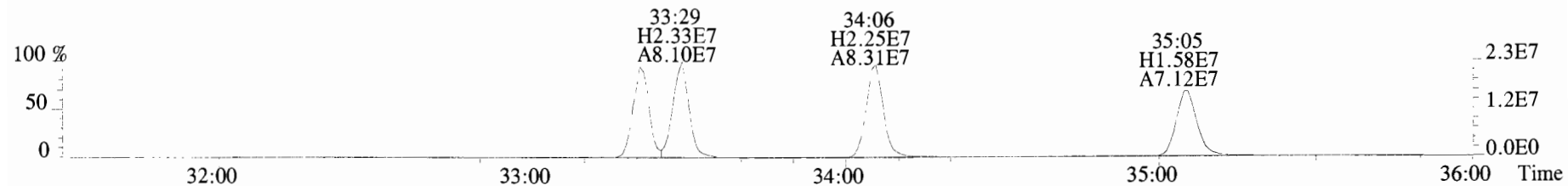
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



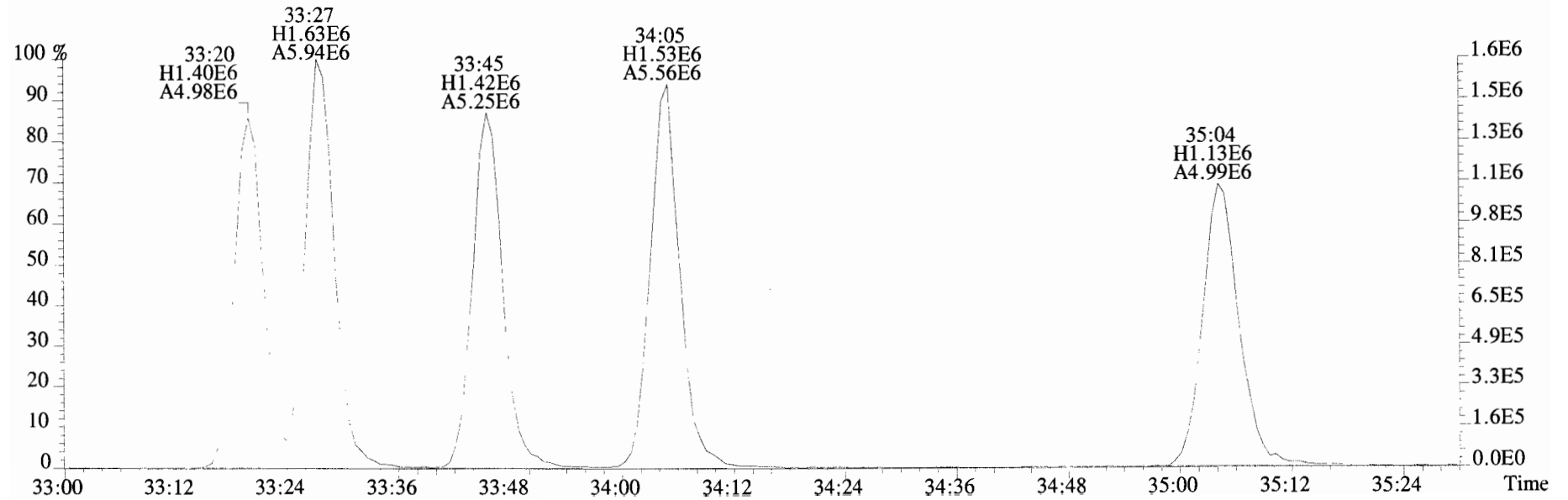
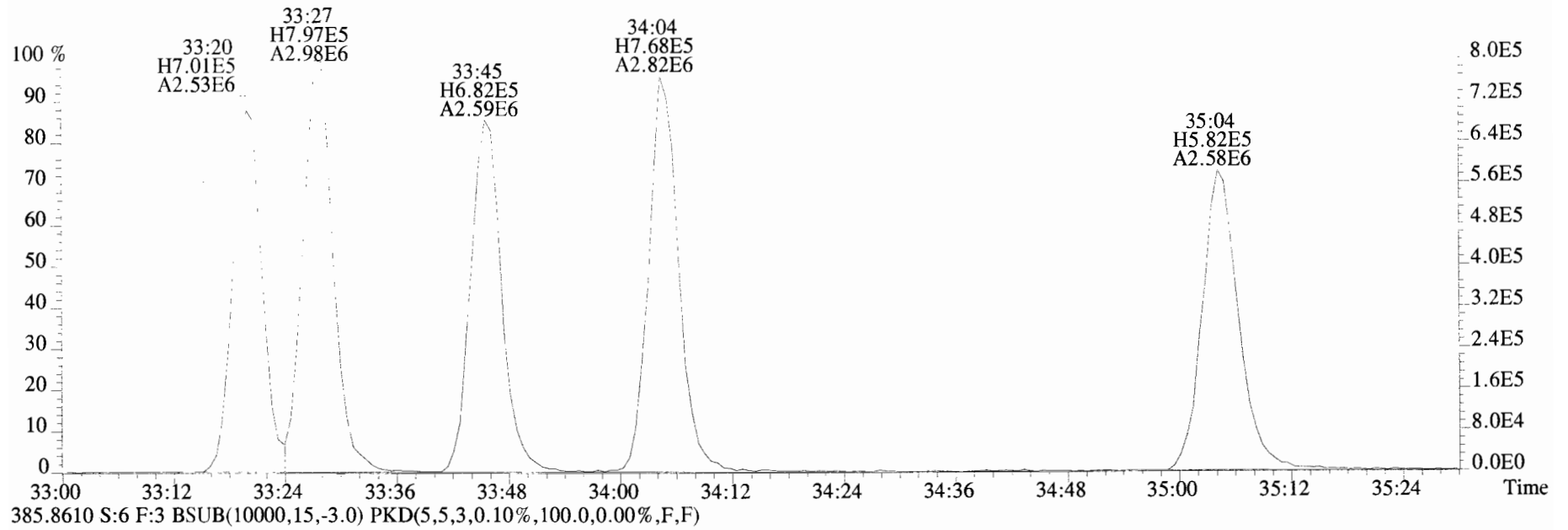
File:191009D1 #1-211 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



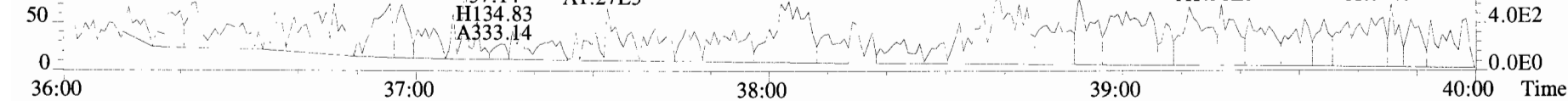
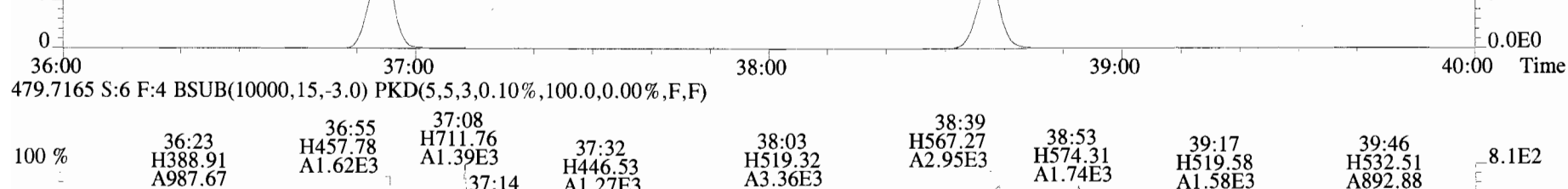
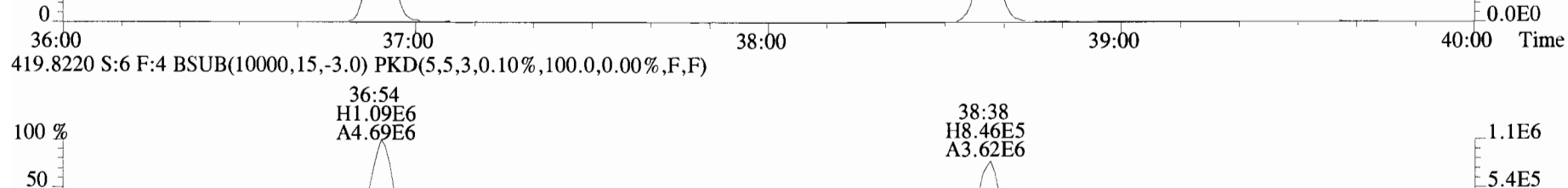
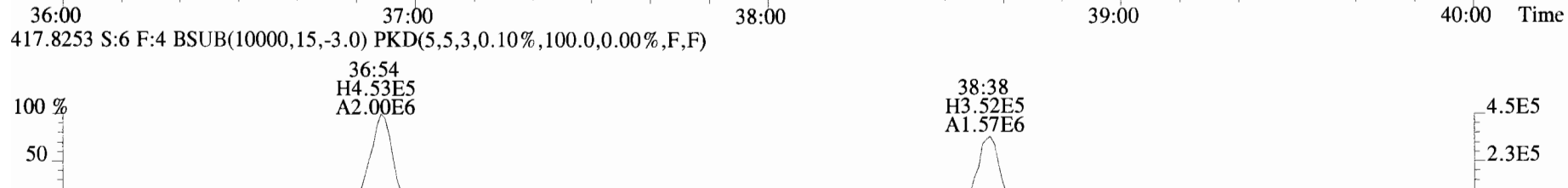
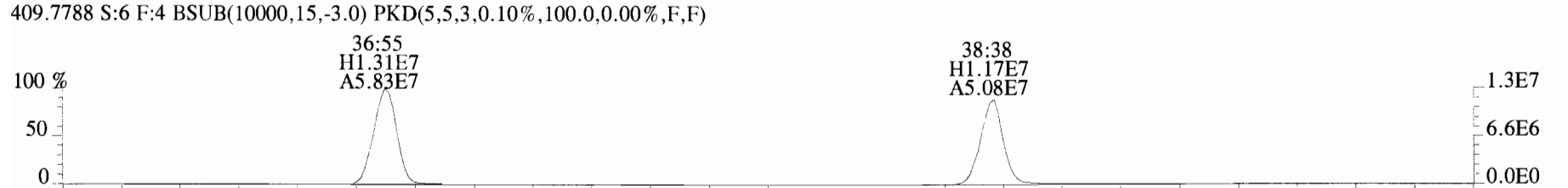
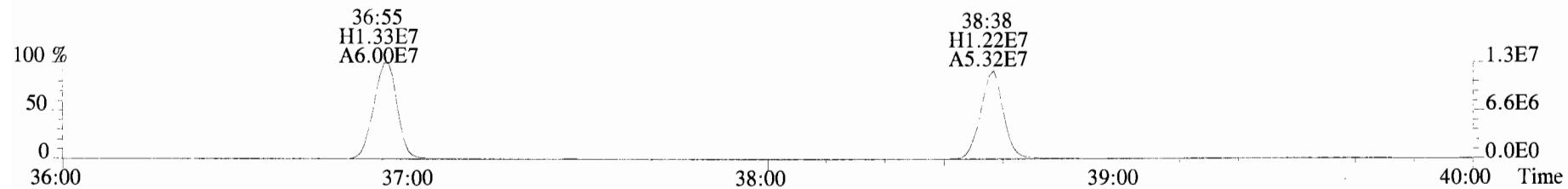
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



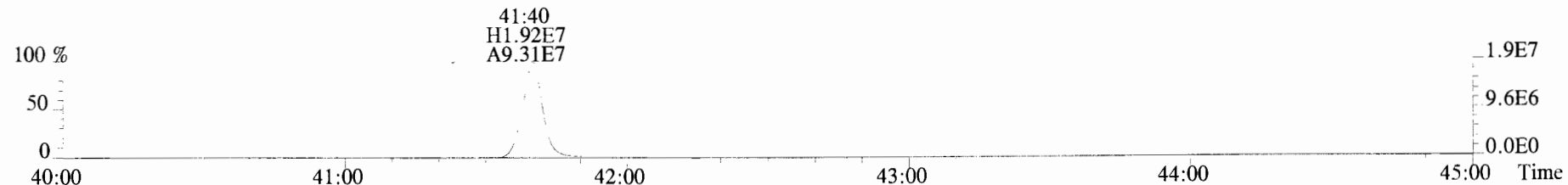
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



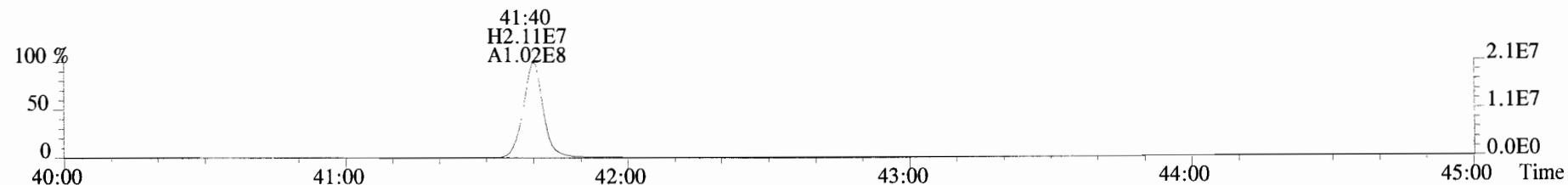
File:191009D1 #1-356 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



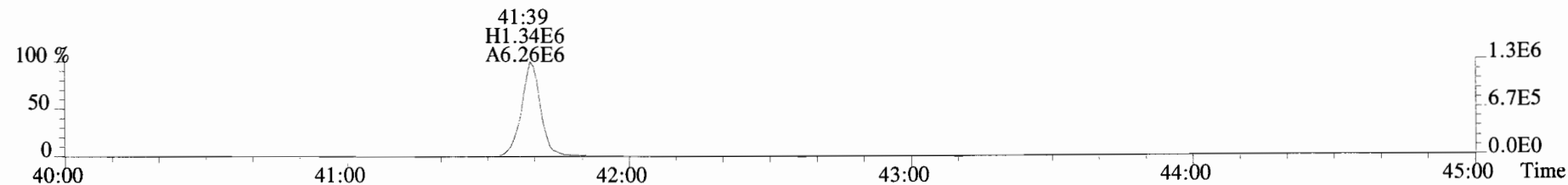
File:191009D1 #1-431 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



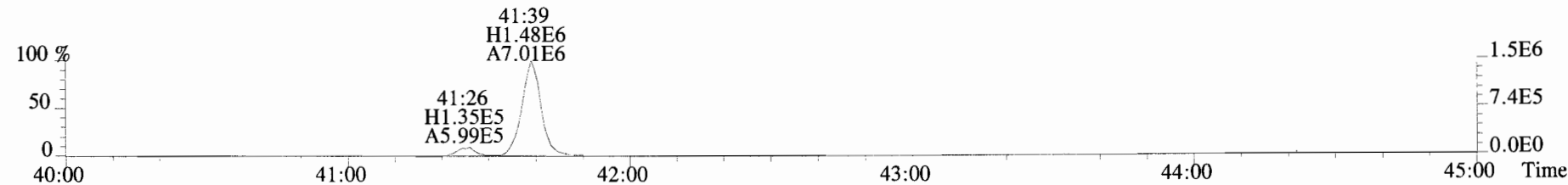
443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



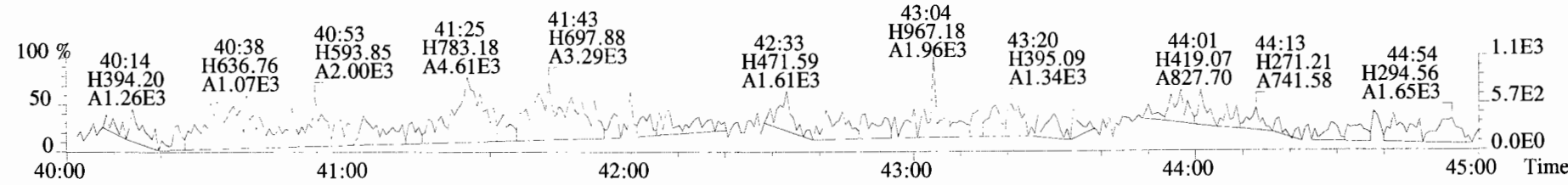
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



455.7801 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

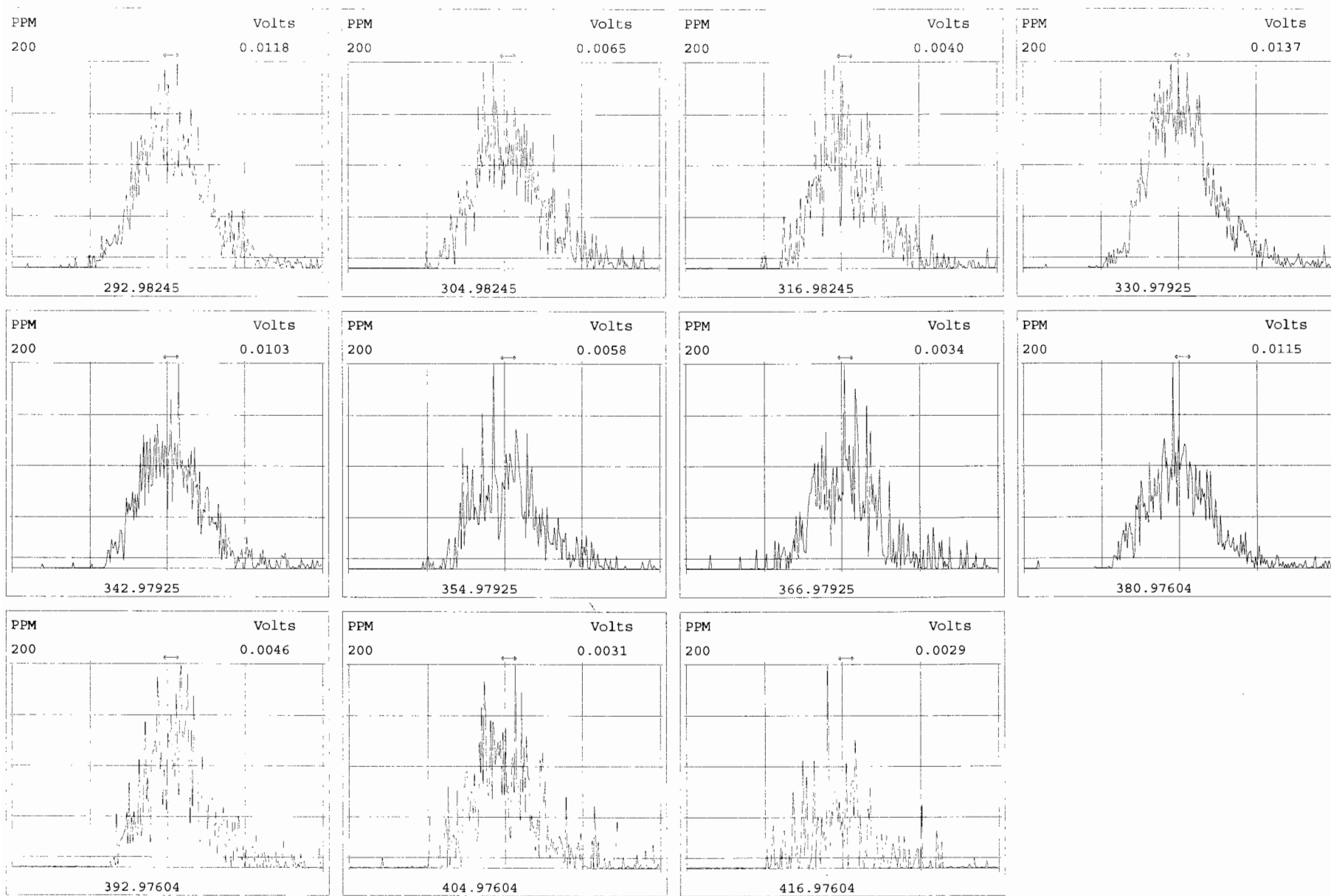


513.6775 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



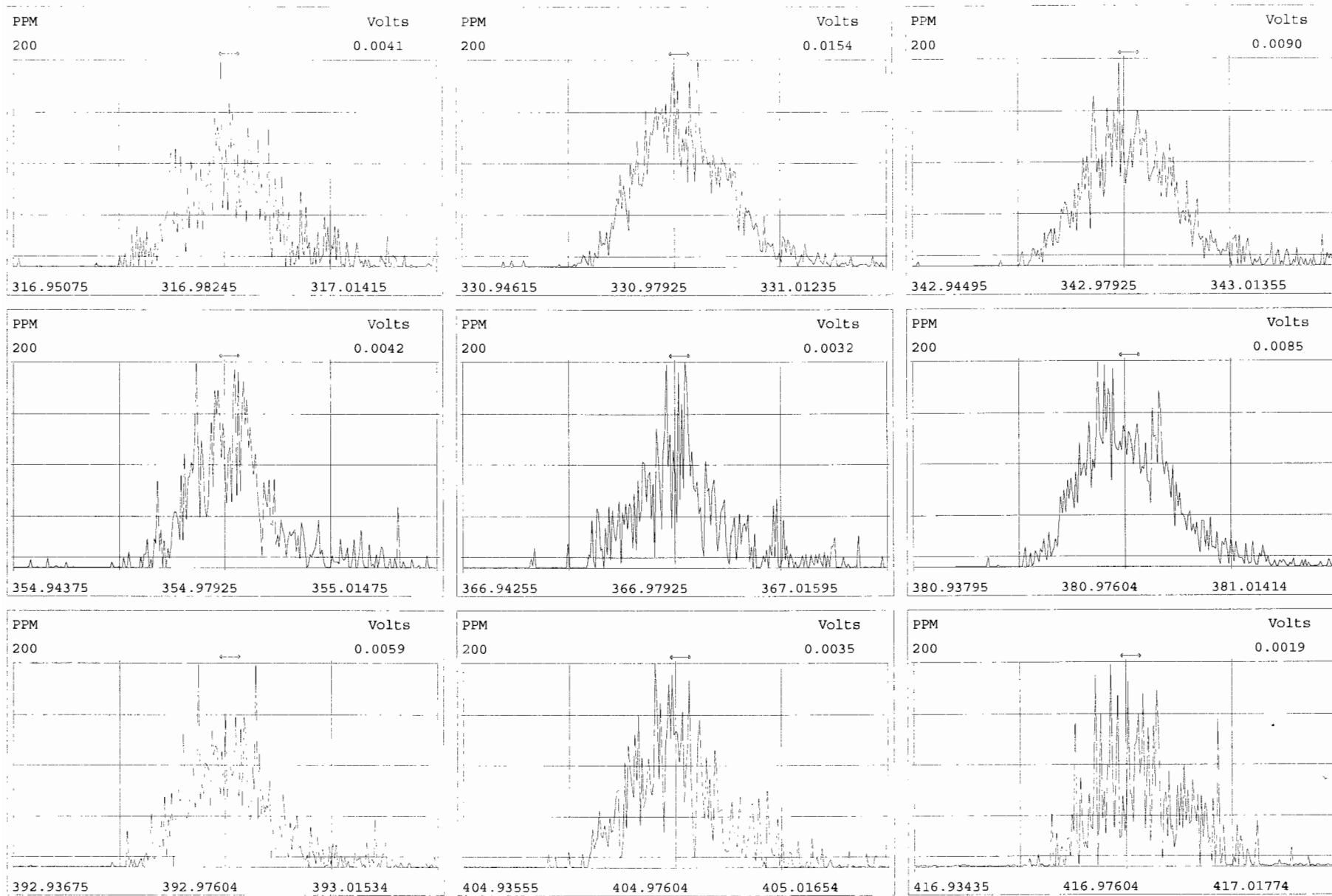
Peak Locate Examination:10-OCT-2019:06:40 File:RES_CHECK

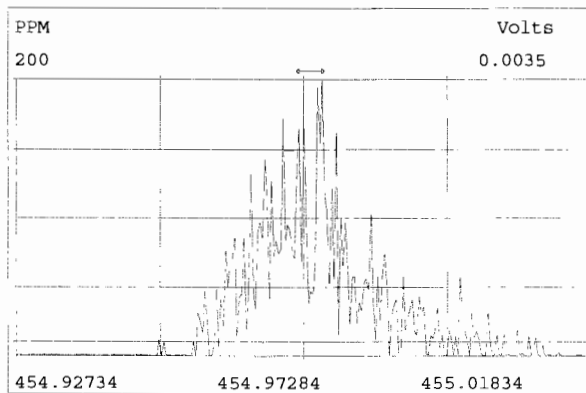
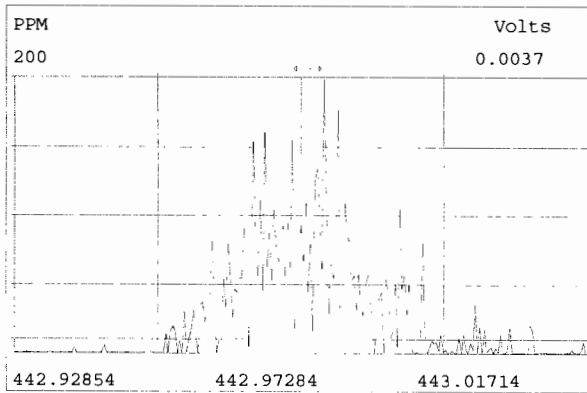
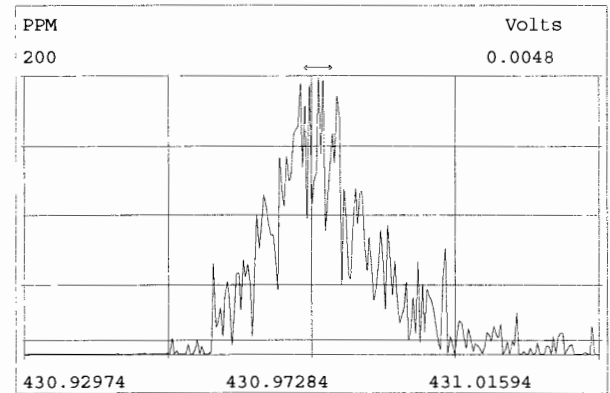
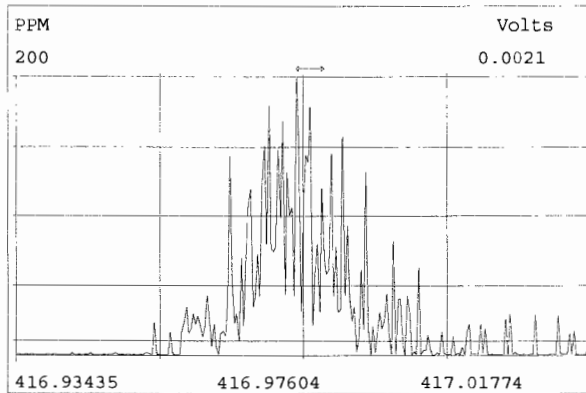
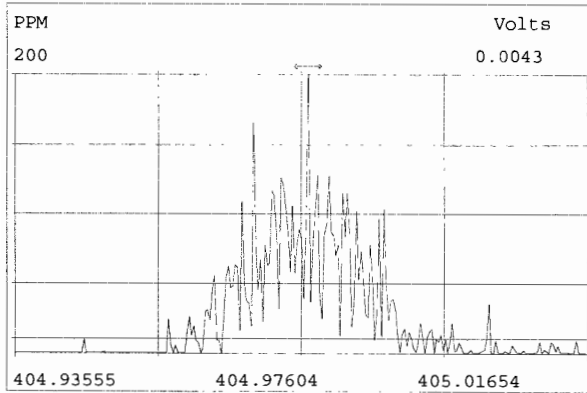
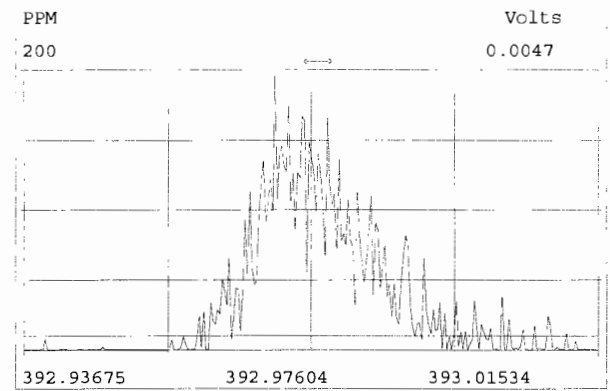
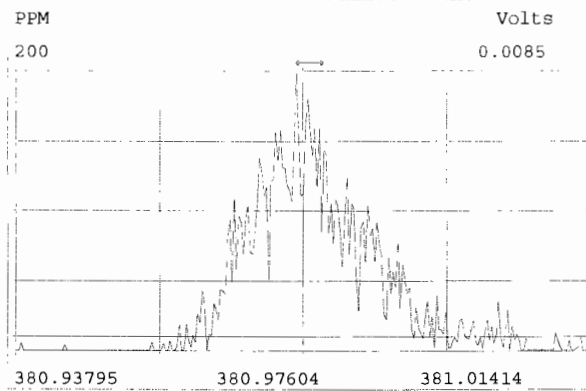
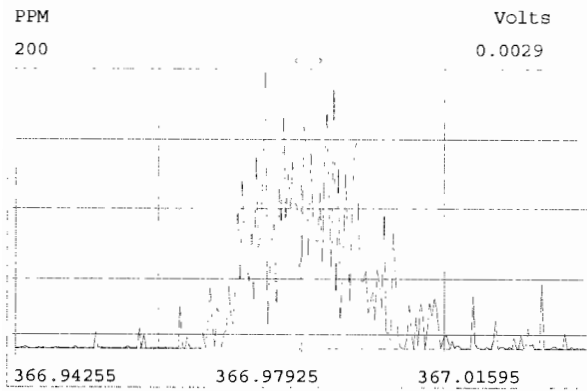
Experiment:OCDD_DB5 Function:1 Reference:PFK

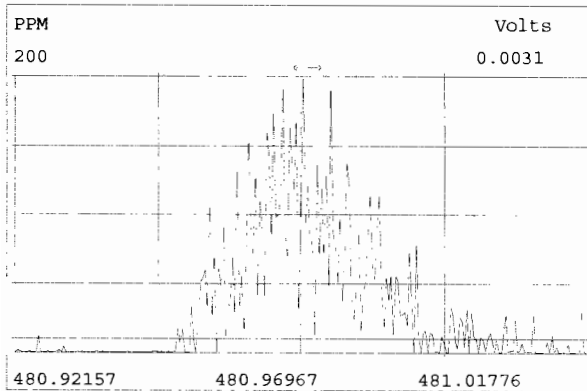
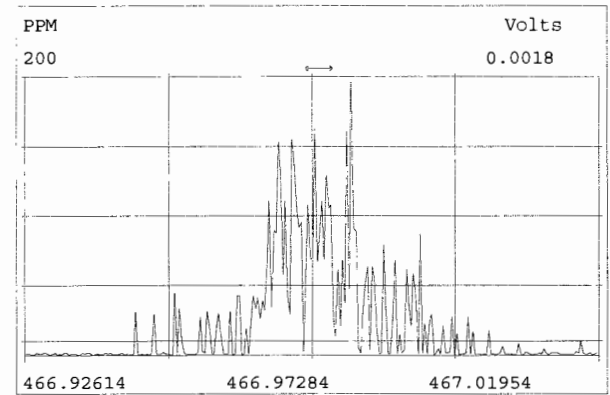
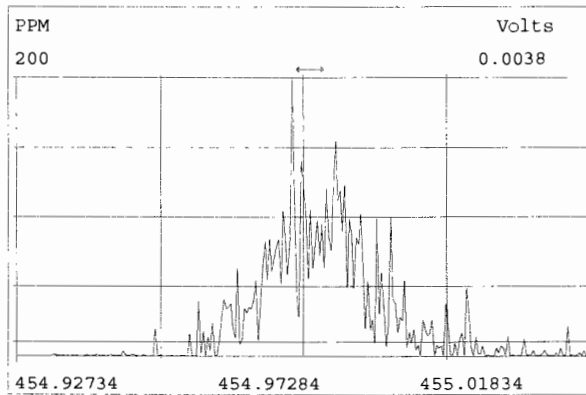
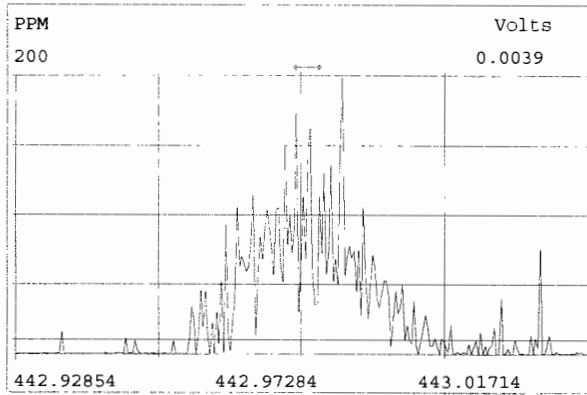
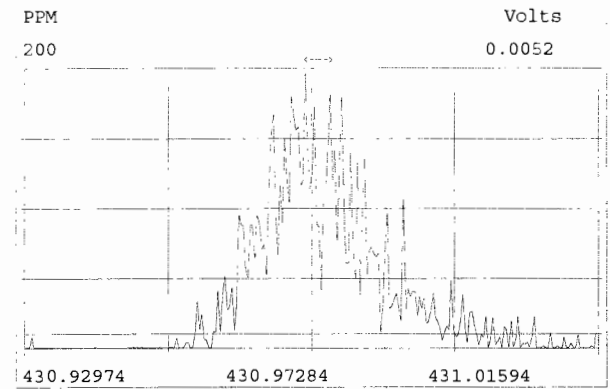
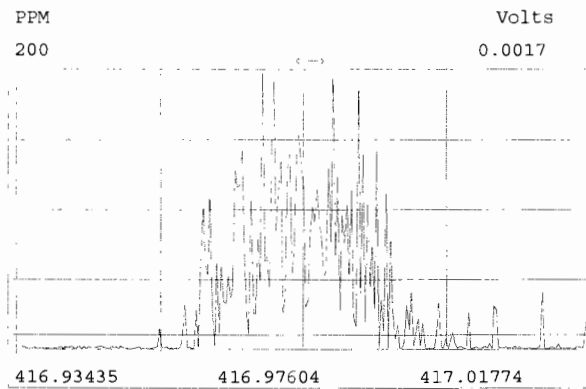
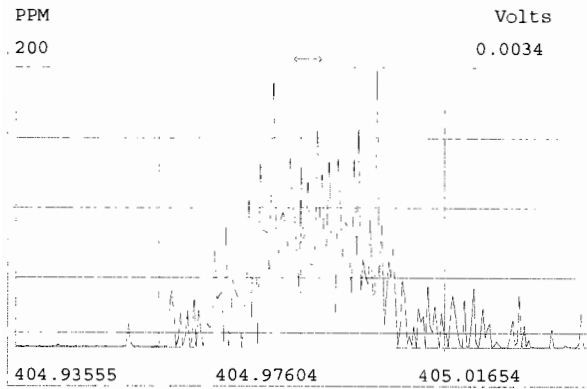


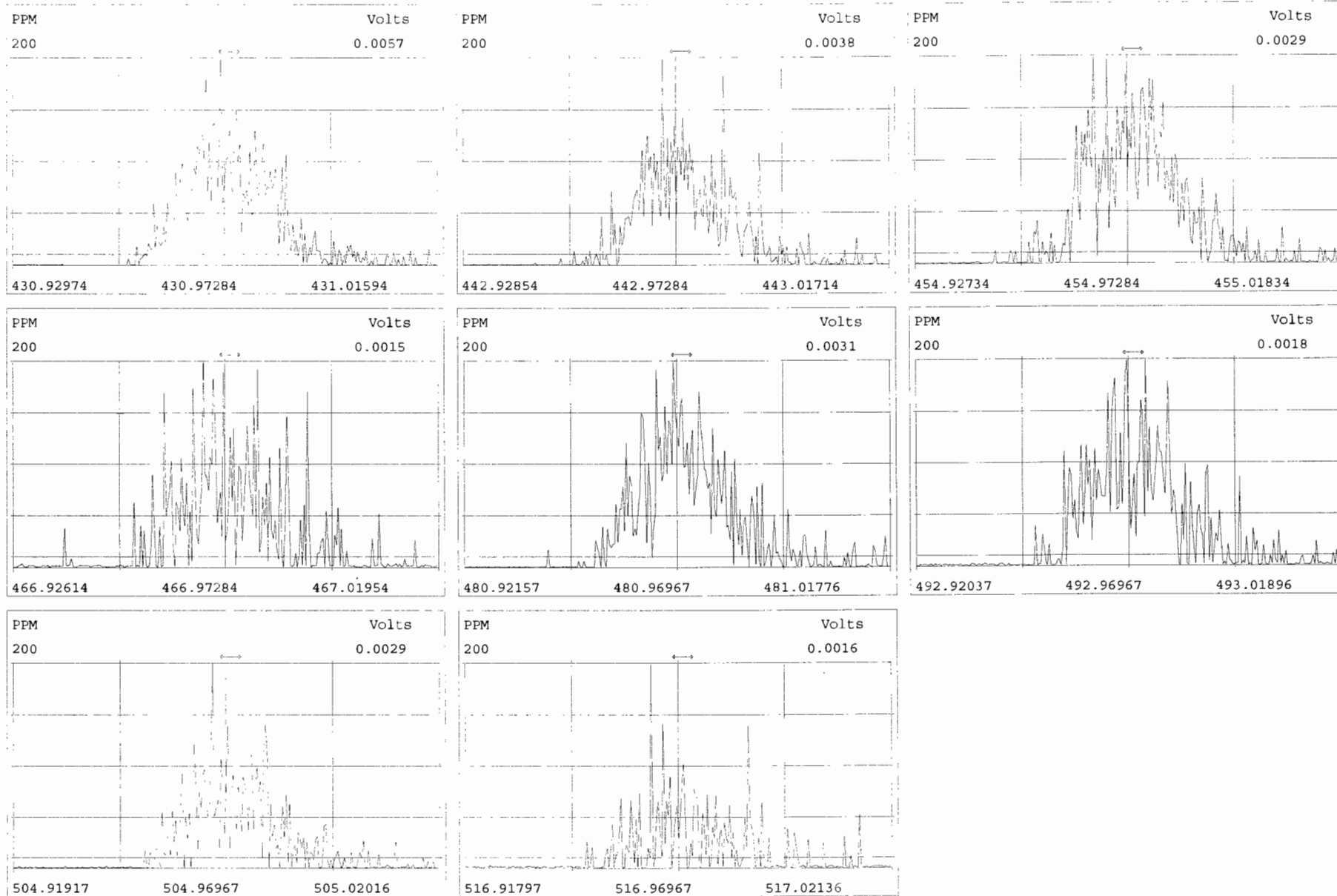
Peak Locate Examination:10-OCT-2019:06:41 File:RES_CHECK

Experiment:OCDD_DB5 Function:2 Reference:PFK









FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

CCAL ID: SS191009D1-1

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191009D1 S#8 Analysis Date: 9-OCT-19 Time: 21:46:34

| NATIVE ANALYTES | M/Z'S | ION | QC | Pass | CONC. | CONC. |
|---------------------|-----------|--------|-----------|------|-------|------------------------------|
| | FORMING | ABUND. | LIMITS | | FOUND | RANGE (3) |
| | RATIO (1) | RATIO | (2) | | FOUND | (ng/mL) |
| 2,3,7,8-TCDD | M/M+2 | 0.83 | 0.65-0.89 | y | 10.2 | 7.8 - 12.9 8.2 - 12.3 (4) |
| 1,2,3,7,8-PeCDD | M/M+2 | 0.63 | 0.54-0.72 | y | 51.3 | 39.0 - 65.0 |
| 1,2,3,4,7,8-HxCDD | M+2/M+4 | 1.31 | 1.05-1.43 | y | 48.9 | 39.0 - 64.0 |
| 1,2,3,6,7,8-HxCDD | M+2/M+4 | 1.18 | 1.05-1.43 | y | 52.4 | 39.0 - 64.0 |
| 1,2,3,7,8,9-HxCDD | M+2/M+4 | 1.17 | 1.05-1.43 | y | 50.4 | 41.0 - 61.0 |
| 1,2,3,4,6,7,8-HpCDD | M+2/M+4 | 1.02 | 0.88-1.20 | y | 51.9 | 43.0 - 58.0 |
| OCDD | M+2/M+4 | 0.92 | 0.76-1.02 | y | 105 | 79.0 - 126.0 |
| 2,3,7,8-TCDF | M/M+2 | 0.78 | 0.65-0.89 | y | 10.3 | 8.4 - 12.0 8.6 - 11.6 (4) |
| 1,2,3,7,8-PeCDF | M+2/M+4 | 1.54 | 1.32-1.78 | y | 50.2 | 41.0 - 60.0 |
| 2,3,4,7,8-PeCDF | M+2/M+4 | 1.60 | 1.32-1.78 | y | 56.7 | 41.0 - 61.0 |
| 1,2,3,4,7,8-HxCDF | M+2/M+4 | 1.22 | 1.05-1.43 | y | 51.1 | 45.0 - 56.0 |
| 1,2,3,6,7,8-HxCDF | M+2/M+4 | 1.23 | 1.05-1.43 | y | 51.5 | 44.0 - 57.0 |
| 2,3,4,6,7,8-HxCDF | M+2/M+4 | 1.20 | 1.05-1.43 | y | 51.5 | 44.0 - 57.0 |
| 1,2,3,7,8,9-HxCDF | M+2/M+4 | 1.24 | 1.05-1.43 | y | 50.9 | 45.0 - 56.0 |
| 1,2,3,4,6,7,8-HpCDF | M+2/M+4 | 1.05 | 0.88-1.20 | y | 53.0 | 45.0 - 55.0 |
| 1,2,3,4,7,8,9-HpCDF | M+2/M+4 | 1.05 | 0.88-1.20 | y | 50.2 | 43.0 - 58.0 |
| OCDF | M+2/M+4 | 0.92 | 0.76-1.02 | y | 102 | 63.0 - 159.0 |

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) Contract-required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DB

Date: 10/10/19

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191009D1 S#8 Analysis Date: 9-OCT-19 Time: 21:46:34

| LABELED COMPOUNDS | M/Z'S | ION | QC | Pass | CONC. FOUND | CONC. RANGE (ng/mL) |
|-------------------------|----------------------|-----------------|---------------|------|----------------|---------------------------|
| | FORMING RATIO (1) | ABUND. RATIO | LIMITS (2) | | | |
| 13C-2,3,7,8-TCDD | M/M+2 | 0.72 | 0.65-0.89 | y | 100 | 82.0 - 121.0 |
| 13C-1,2,3,7,8-PeCDD | M/M+2 | 0.64 | 0.54-0.72 | y | 101 | 62.0 - 160.0 |
| 13C-1,2,3,4,7,8-HxCDD | M+2/M+4 | 1.23 | 1.05-1.43 | y | 95.9 | 85.0 - 117.0 |
| 13C-1,2,3,6,7,8-HxCDD | M+2/M+4 | 1.25 | 1.05-1.43 | y | 95.6 | 85.0 - 118.0 |
| 13C-1,2,3,7,8,9-HxCDD | M+2/M+4 | 1.26 | 1.05-1.43 | y | 94.3 | 85.0 - 118.0 |
| 13C-1,2,3,4,6,7,8-HpCDD | M+2/M+4 | 1.06 | 0.88-1.20 | y | 91.7 | 72.0 - 138.0 |
| 13C-OCDD | M/M+2 | 0.92 | 0.76-1.02 | y | 190 | 96.0 - 415.0 |
| 13C-2,3,7,8-TCDF | M+2/M+4 | 0.78 | 0.65-0.89 | y | 97.2 | 71.0 - 140.0 |
| 13C-1,2,3,7,8-PeCDF | M+2/M+4 | 1.62 | 1.32-1.78 | y | 97.4 | 76.0 - 130.0 |
| 13C-2,3,4,7,8-PeCDF | M+2/M+4 | 1.59 | 1.32-1.78 | y | 96.6 | 77.0 - 130.0 |
| 13C-1,2,3,4,7,8-HxCDF | M/M+2 | 0.51 | 0.43-0.59 | y | 102 | 76.0 - 131.0 |
| 13C-1,2,3,6,7,8-HxCDF | M/M+2 | 0.51 | 0.43-0.59 | y | 101 | 70.0 - 143.0 |
| 13C-2,3,4,6,7,8-HxCDF | M/M+2 | 0.51 | 0.43-0.59 | y | 97.1 | 73.0 - 137.0 |
| 13C-1,2,3,7,8,9-HxCDF | M/M+2 | 0.51 | 0.43-0.59 | y | 99.0 | 74.0 - 135.0 |
| 13C-1,2,3,4,6,7,8-HpCDF | M+2/M+4 | 0.43 | 0.37-0.51 | y | 96.6 | 78.0 - 129.0 |
| 13C-1,2,3,4,7,8,9-HpCDF | M+2/M+4 | 0.44 | 0.37-0.51 | y | 102 | 77.0 - 129.0 |
| 13C-OCDF | M+2/M+4 | 0.88 | 0.76-1.02 | y | 197 | 96.0 - 415.0 |
| CLEANUP STANDARD (3) | | | | | | |
| 37Cl-2,3,7,8-TCDD | | | | | 9.08 | 7.9 - 12.7 |

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified

(3) No ion abundance ratio; report concentration found.

Analyst: DB

Date: 10/10/19

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191009D1 S#8 Analysis Date: 9-OCT-19 Time: 21:46:34

Compounds Using 13C-1234-TCDD as RT Internal Standard

| NATIVE ANALYTES | RETENTION TIME | RRT | RRT |
|---------------------|---------------------|-------|---------------|
| | REFERENCE | | QC LIMITS (1) |
| 2,3,7,8-TCDD | 13C-2,3,7,8-TCDD | 1.001 | 0.999-1.002 |
| 1,2,3,7,8-PeCDD | 13C-1,2,3,7,8-PeCDD | 1.000 | 0.999-1.002 |
| 2,3,7,8-TCDF | 13C-2,3,7,8-TCDF | 1.001 | 0.999-1.003 |
| 1,2,3,7,8-PeCDF | 13C-1,2,3,7,8-PeCDF | 1.000 | 0.999-1.002 |
| 2,3,4,7,8-PeCDF | 13C-2,3,4,7,8-PeCDF | 1.000 | 0.999-1.002 |
| LABELED COMPOUNDS | | | |
| 13C-2,3,7,8-TCDD | 13C-1,2,3,4-TCDD | 1.022 | 0.976-1.043 |
| 13C-1,2,3,7,8-PeCDD | 13C-1,2,3,4-TCDD | 1.189 | 1.000-1.567 |
| 13C-2,3,7,8-TCDF | 13C-1,2,3,4-TCDD | 0.994 | 0.923-1.103 |
| 13C-1,2,3,7,8-PeCDF | 13C-1,2,3,4-TCDD | 1.145 | 1.000-1.425 |
| 13C-2,3,4,7,8-PeCDF | 13C-1,2,3,4-TCDD | 1.179 | 1.011-1.526 |
| 37Cl-2,3,7,8-TCDD | 13C-1,2,3,4-TCDD | 1.022 | 0.989-1.052 |

Analyst: DB

Date: 10/10/19

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191009D1 S#8 Analysis Date: 9-OCT-19 Time: 21:46:34

| NATIVE ANALYTES | RETENTION TIME | RRT | RRT |
|---------------------|-------------------------|-------|---------------|
| | REFERENCE | | QC LIMITS (1) |
| 1,2,3,4,7,8-HxCDF | 13C-1,2,3,4,7,8-HxCDF | 1.000 | 0.999-1.001 |
| 1,2,3,6,7,8-HxCDF | 13C-1,2,3,6,7,8-HxCDF | 1.000 | 0.997-1.005 |
| 2,3,4,6,7,8-HxCDF | 13C-2,3,4,6,7,8-HxCDF | 1.000 | 0.999-1.001 |
| 1,2,3,7,8,9-HxCDF | 13C-1,2,3,7,8,9-HxCDF | 1.001 | 0.999-1.001 |
| 1,2,3,4,7,8-HxCDD | 13C-1,2,3,4,7,8-HxCDD | 1.001 | 0.999-1.001 |
| 1,2,3,6,7,8-HxCDD | 13C-1,2,3,6,7,8-HxCDD | 1.000 | 0.998-1.004 |
| 1,2,3,7,8,9-HxCDD | 13C-1,2,3,7,8,9-HxCDD | 1.001 | 0.998-1.004 |
| 1,2,3,4,6,7,8-HpCDF | 13C-1,2,3,4,6,7,8-HpCDF | 1.000 | 0.999-1.001 |
| 1,2,3,4,6,7,8-HpCDD | 13C-1,2,3,4,6,7,8-HpCDD | 1.000 | 0.999-1.001 |
| 1,2,3,4,7,8,9-HpCDF | 13C-1,2,3,4,7,8,9-HpCDF | 1.000 | 0.999-1.001 |
| OCDD | 13C-OCDD | 1.000 | 0.999-1.001 |
| OCDF | 13C-OCDF | 1.000 | 0.999-1.001 |

LABELED COMPOUNDS

| | | | |
|-------------------------|-----------------------|-------|-------------|
| 13C-1,2,3,4,7,8-HxCDF | 13C-1,2,3,4,6,9-HxCDF | 0.987 | 0.975-1.001 |
| 13C-1,2,3,6,7,8-HxCDF | 13C-1,2,3,4,6,9-HxCDF | 0.991 | 0.979-1.005 |
| 13C-2,3,4,6,7,8-HxCDF | 13C-1,2,3,4,6,9-HxCDF | 1.010 | 1.001-1.020 |
| 13C-1,2,3,7,8,9-HxCDF | 13C-1,2,3,4,6,9-HxCDF | 1.040 | 1.002-1.072 |
| 13C-1,2,3,4,7,8-HxCDD | 13C-1,2,3,4,6,9-HxCDF | 1.014 | 1.002-1.026 |
| 13C-1,2,3,6,7,8-HxCDD | 13C-1,2,3,4,6,9-HxCDF | 1.018 | 1.007-1.029 |
| 13C-1,2,3,7,8,9-HxCDD | 13C-1,2,3,4,6,9-HxCDF | 1.027 | 1.014-1.038 |
| 13C-1,2,3,4,6,7,8-HpCDF | 13C-1,2,3,4,6,9-HxCDF | 1.093 | 1.069-1.111 |
| 13C-1,2,3,4,7,8,9-HpCDF | 13C-1,2,3,4,6,9-HxCDF | 1.145 | 1.098-1.192 |
| 13C-1,2,3,4,6,7,8-HpCDD | 13C-1,2,3,4,6,9-HxCDF | 1.127 | 1.117-1.141 |
| 13C-OCDD | 13C-1,2,3,4,6,9-HxCDF | 1.227 | 1.085-1.365 |
| 13C-OCDF | 13C-1,2,3,4,6,9-HxCDF | 1.235 | 1.091-1.371 |

Analyst: DB

Date: 10/10/19

Client ID: 1613 SSS 19C2207
Lab ID: SS191009D1-1

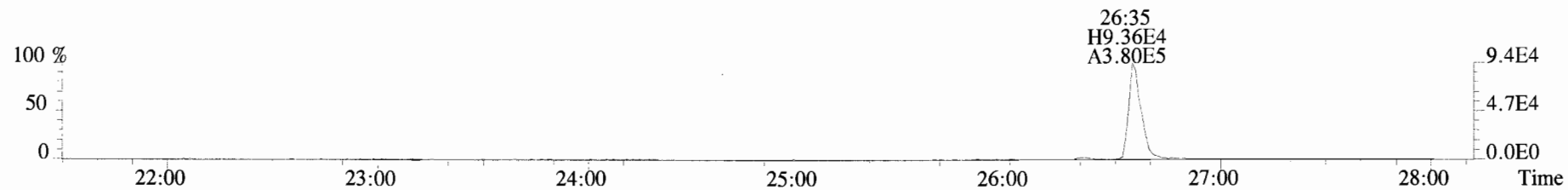
Filename: 191009D1 S:8 Acq: 9-OCT-19 21:46:34
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

ConCal: ST191009D1-4
EndCAL: NA

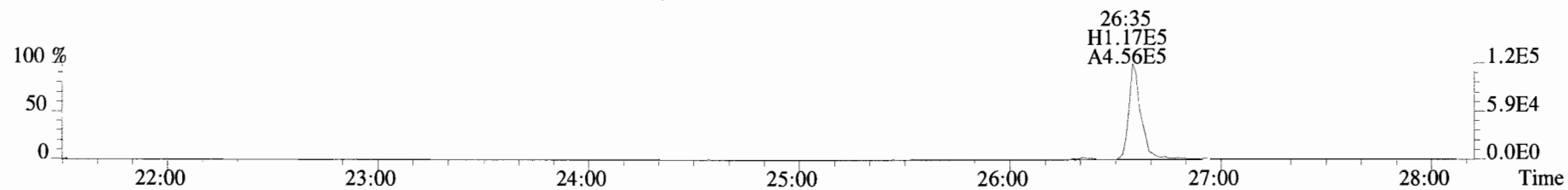
| Name | Resp | RA | RRF | RT | Conc | Qual | noise | Fac | DL | Name | Conc | EMPC | Qual | noise | DL |
|---------------------|-------------------------|----------|--------|-------|--------|--------|-------|-----|----|---------------------|--------|--------|------|-------|----|
| 2,3,7,8-TCDD | 8.36e+05 | 0.83 y | 0.91 | 26:36 | 10.234 | | * 2.5 | | * | Total Tetra-Dioxins | 10.4 | 11.4 | | * | * |
| 1,2,3,7,8-PeCDD | 3.38e+06 | 0.63 y | 0.90 | 30:57 | 51.323 | | * 2.5 | | * | Total Penta-Dioxins | 51.4 | 51.7 | | * | * |
| 1,2,3,4,7,8-HxCDD | 2.55e+06 | 1.31 y | 1.10 | 34:18 | 48.909 | | * 2.5 | | * | Total Hexa-Dioxins | 153 | 153 | | * | * |
| 1,2,3,6,7,8-HxCDD | 3.09e+06 | 1.18 y | 0.94 | 34:24 | 52.378 | | * 2.5 | | * | Total Hepta-Dioxins | 53.5 | 54.4 | | * | * |
| 1,2,3,7,8,9-HxCDD | 2.83e+06 | 1.17 y | 0.96 | 34:44 | 50.434 | | * 2.5 | | * | Total Tetra-Furans | 10.7 | 11.4 | | * | * |
| 1,2,3,4,6,7,8-HpCDD | 2.34e+06 | 1.02 y | 0.98 | 38:07 | 51.915 | | * 2.5 | | * | Total Penta-Furans | 110.38 | 111.73 | | * | * |
| OCDD | 4.27e+06 | 0.92 y | 0.96 | 41:30 | 105.37 | | * 2.5 | | * | Total Hexa-Furans | 205 | 207 | | * | * |
| | | | | | | | | | | Total Hepta-Furans | 104 | 106 | | * | * |
| 2,3,7,8-TCDF | 1.24e+06 | 0.78 y | 0.95 | 25:53 | 10.342 | | * 2.5 | | * | | | | | | |
| 1,2,3,7,8-PeCDF | 5.03e+06 | 1.54 y | 0.96 | 29:48 | 50.200 | | * 2.5 | | * | | | | | | |
| 2,3,4,7,8-PeCDF | 5.90e+06 | 1.60 y | 1.01 | 30:42 | 56.719 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,7,8-HxCDF | 3.94e+06 | 1.22 y | 1.18 | 33:23 | 51.086 | | * 2.5 | | * | | | | | | |
| 1,2,3,6,7,8-HxCDF | 4.44e+06 | 1.23 y | 1.07 | 33:31 | 51.491 | | * 2.5 | | * | | | | | | |
| 2,3,4,6,7,8-HxCDF | 4.08e+06 | 1.20 y | 1.11 | 34:08 | 51.474 | | * 2.5 | | * | | | | | | |
| 1,2,3,7,8,9-HxCDF | 3.40e+06 | 1.24 y | 1.06 | 35:10 | 50.903 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | 3.36e+06 | 1.05 y | 1.13 | 36:58 | 53.010 | | * 2.5 | | * | | | | | | |
| 1,2,3,4,7,8,9-HpCDF | 2.94e+06 | 1.05 y | 1.28 | 38:42 | 50.216 | | * 2.5 | | * | | | | | | |
| OCDF | 5.04e+06 | 0.92 y | 0.95 | 41:45 | 102.23 | | * 2.5 | | * | | | | | | |
| IS | 13C-2,3,7,8-TCDD | 9.02e+06 | 0.72 y | 1.10 | 26:35 | 100.49 | | | | Rec | Qual | | | | |
| IS | 13C-1,2,3,7,8-PeCDD | 7.29e+06 | 0.64 y | 0.88 | 30:56 | 100.87 | | | | 100 | | | | | |
| IS | 13C-1,2,3,4,7,8-HxCDD | 4.73e+06 | 1.23 y | 0.64 | 34:16 | 95.948 | | | | 101 | | | | | |
| IS | 13C-1,2,3,6,7,8-HxCDD | 6.28e+06 | 1.25 y | 0.86 | 34:24 | 95.558 | | | | 95.9 | | | | | |
| IS | 13C-1,2,3,7,8,9-HxCDD | 5.85e+06 | 1.26 y | 0.81 | 34:43 | 94.306 | | | | 95.6 | | | | | |
| IS | 13C-1,2,3,4,6,7,8-HpCDD | 4.61e+06 | 1.06 y | 0.65 | 38:06 | 91.680 | | | | 94.3 | | | | | |
| IS | 13C-OCDD | 8.45e+06 | 0.92 y | 0.58 | 41:29 | 189.68 | | | | 91.7 | | | | | |
| IS | 13C-2,3,7,8-TCDF | 1.26e+07 | 0.78 y | 1.03 | 25:52 | 97.199 | | | | 94.8 | | | | | |
| IS | 13C-1,2,3,7,8-PeCDF | 1.04e+07 | 1.62 y | 0.85 | 29:48 | 97.425 | | | | 97.2 | | | | | |
| IS | 13C-2,3,4,7,8-PeCDF | 1.03e+07 | 1.59 y | 0.85 | 30:41 | 96.649 | | | | 97.4 | | | | | |
| IS | 13C-1,2,3,4,7,8-HxCDF | 6.55e+06 | 0.51 y | 0.83 | 33:22 | 102.43 | | | | 96.6 | | | | | |
| IS | 13C-1,2,3,6,7,8-HxCDF | 8.06e+06 | 0.51 y | 1.03 | 33:30 | 101.42 | | | | 102 | | | | | |
| IS | 13C-2,3,4,6,7,8-HxCDF | 7.11e+06 | 0.51 y | 0.95 | 34:08 | 97.073 | | | | 101 | | | | | |
| IS | 13C-1,2,3,7,8,9-HxCDF | 6.30e+06 | 0.51 y | 0.83 | 35:09 | 98.999 | | | | 97.1 | | | | | |
| IS | 13C-1,2,3,4,6,7,8-HpCDF | 5.62e+06 | 0.43 y | 0.76 | 36:57 | 96.588 | | | | 99.0 | | | | | |
| IS | 13C-1,2,3,4,7,8,9-HpCDF | 4.58e+06 | 0.44 y | 0.58 | 38:42 | 102.46 | | | | 96.6 | | | | | |
| IS | 13C-OCDF | 1.04e+07 | 0.88 y | 0.69 | 41:44 | 196.65 | | | | 102 | | | | | |
| C/Up | 37Cl-2,3,7,8-TCDD | 8.91e+05 | | 1.20 | 26:36 | 9.0817 | | | | 98.3 | | | | | |
| RS/RT | 13C-1,2,3,4-TCDD | 8.20e+06 | 0.76 y | 1.00 | 26:01 | 100.00 | | | | | | | | | |
| RS | 13C-1,2,3,4-TCDF | 1.25e+07 | 0.82 y | 1.00 | 24:42 | 100.00 | | | | | | | | | |
| RS/RT | 13C-1,2,3,4,6,9-HxCDF | 7.68e+06 | 0.50 y | 1.00 | 33:48 | 100.00 | | | | | | | | | |

Integrations
by DB
Analyst: DB
Reviewed
by CT
Analyst: CT
Date: 10/10/19
Date: 10/10/19

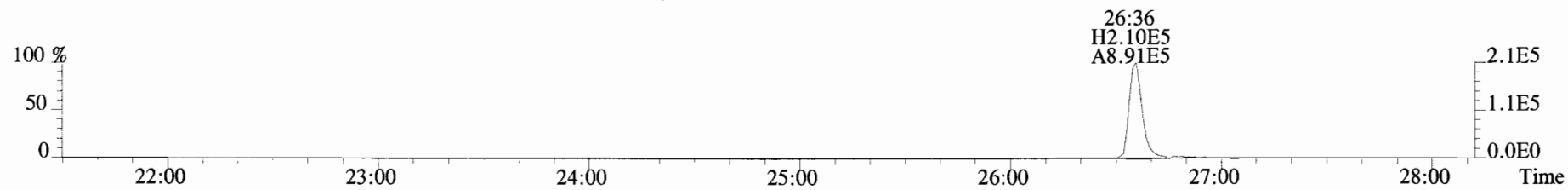
File:191009D1 #1-514 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
319.8965 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



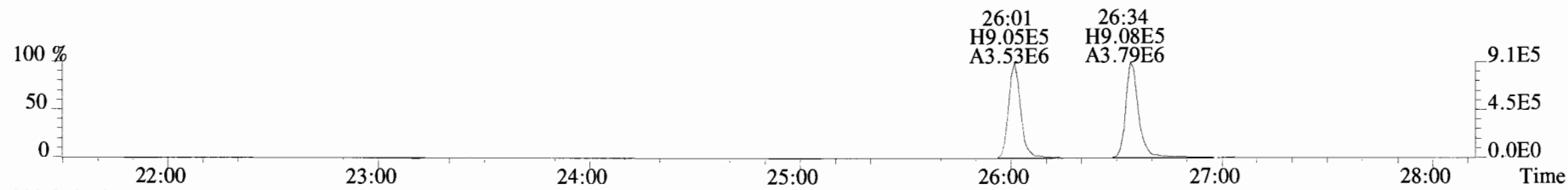
321.8936 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



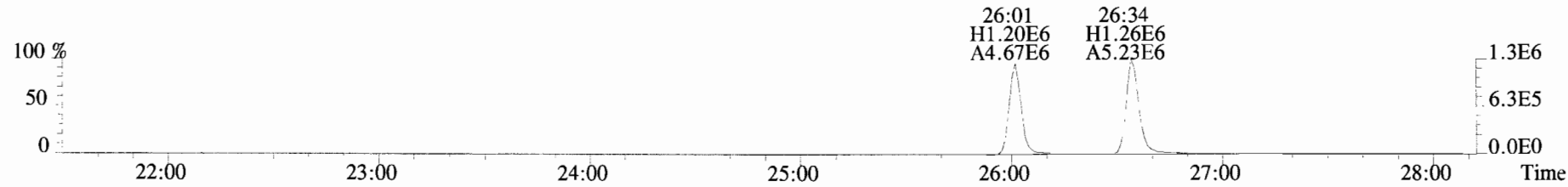
327.8847 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



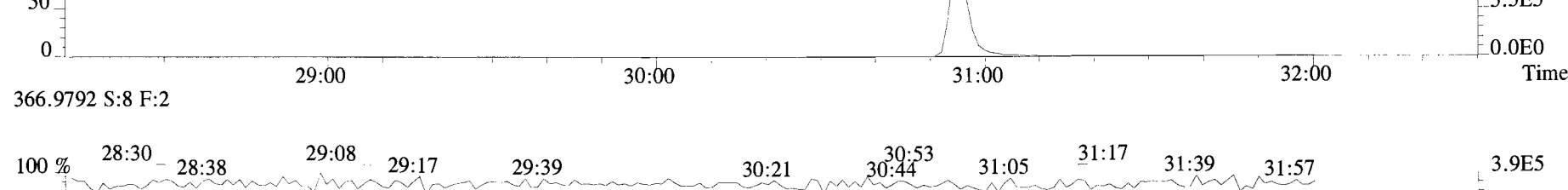
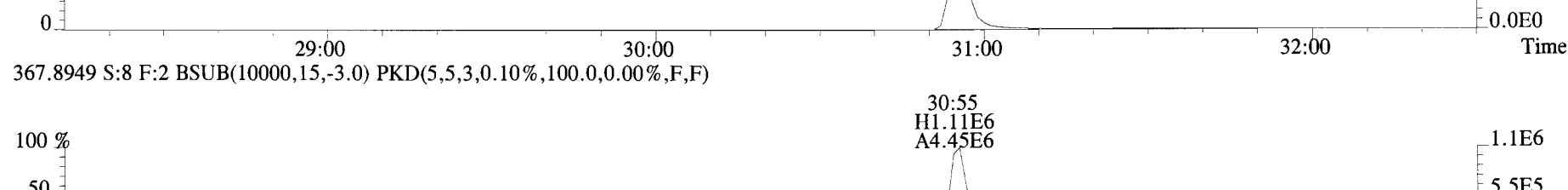
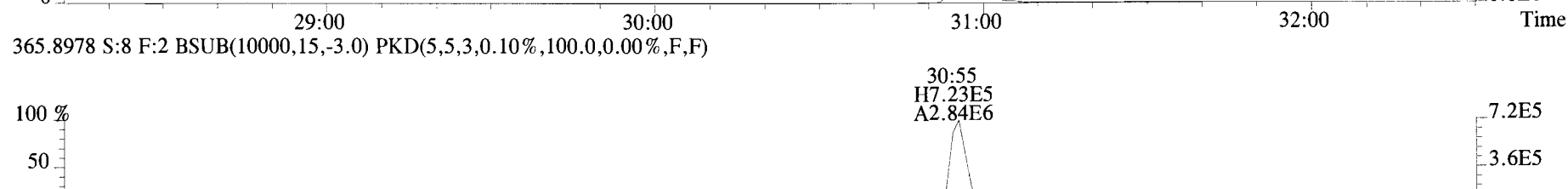
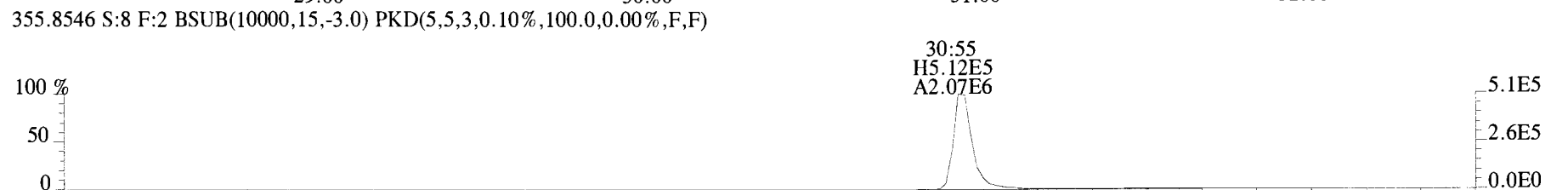
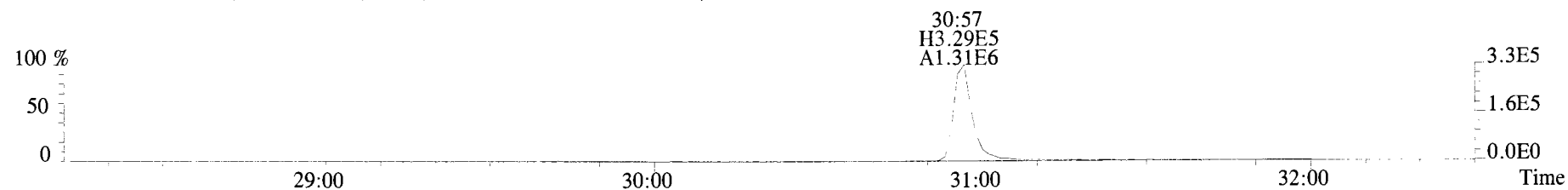
331.9368 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



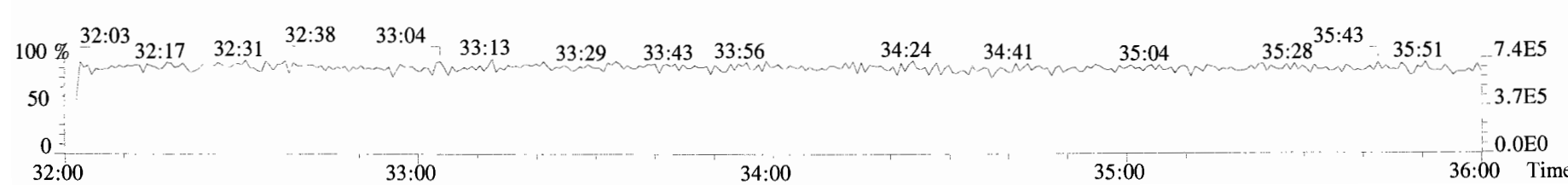
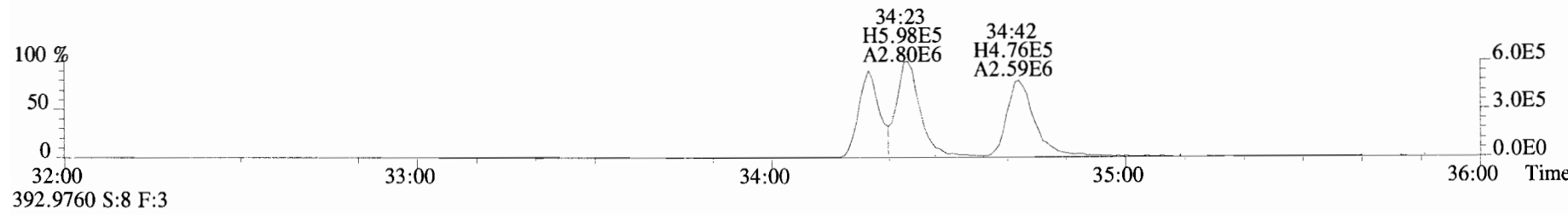
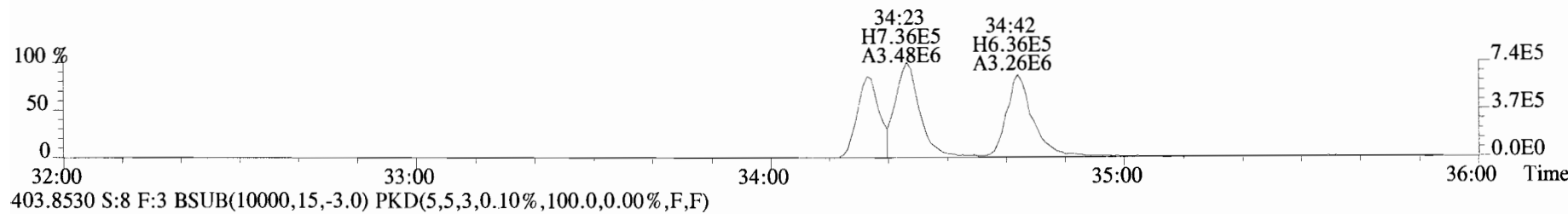
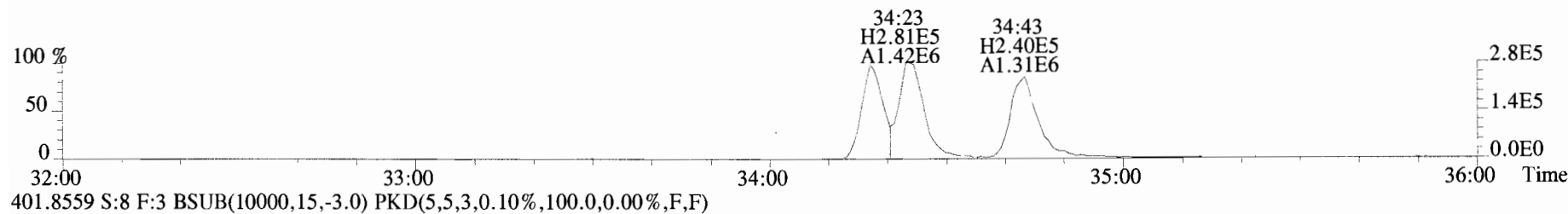
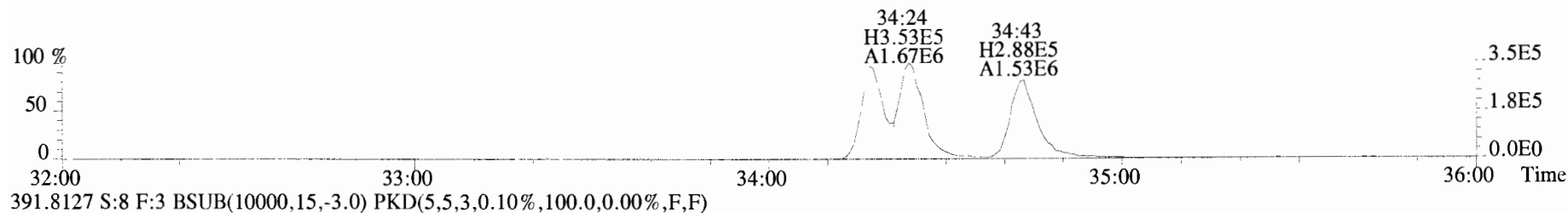
333.9339 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



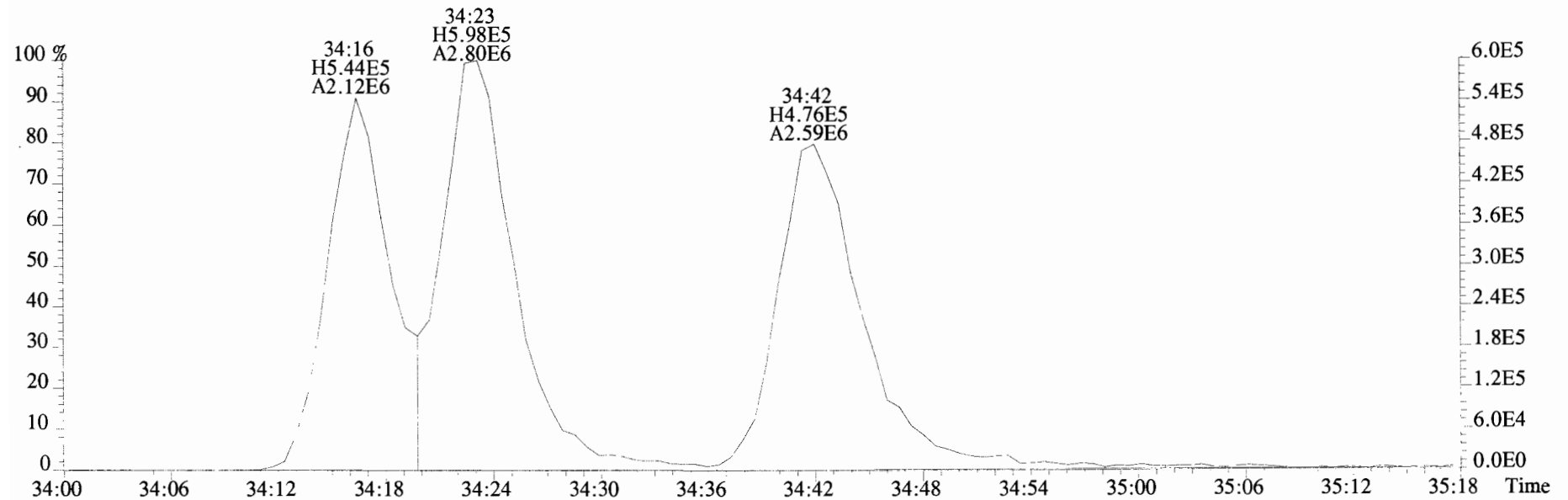
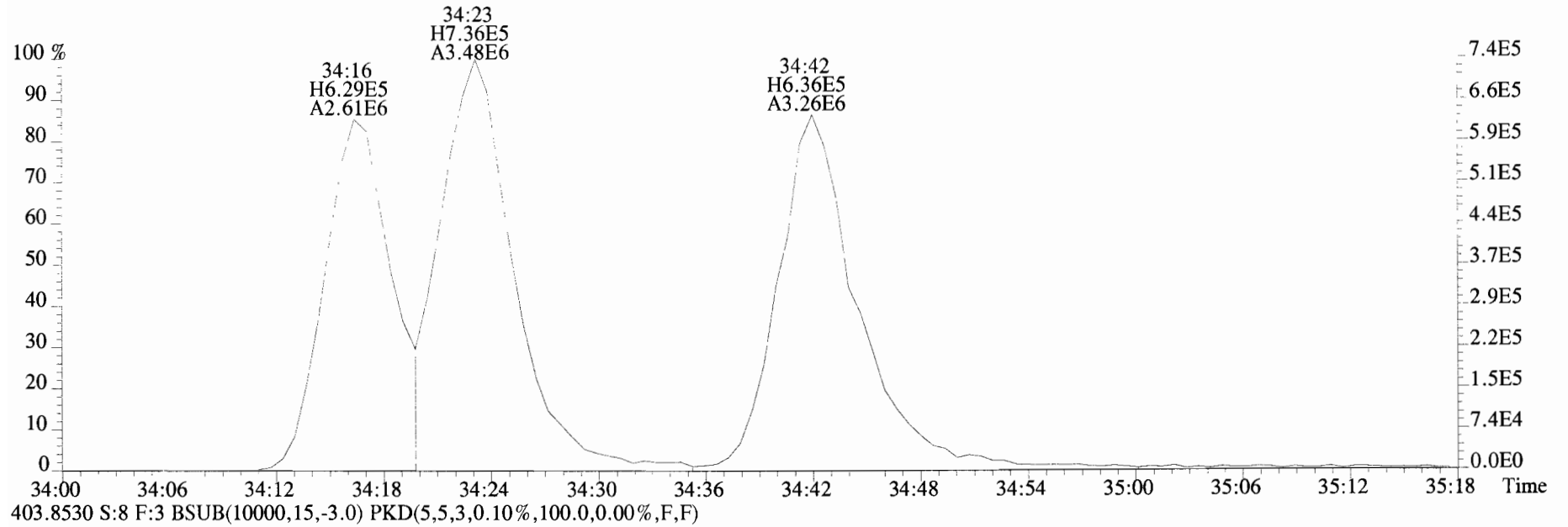
File:191009D1 #1-210 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text: Vista Analytical Laboratory VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
353.8576 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



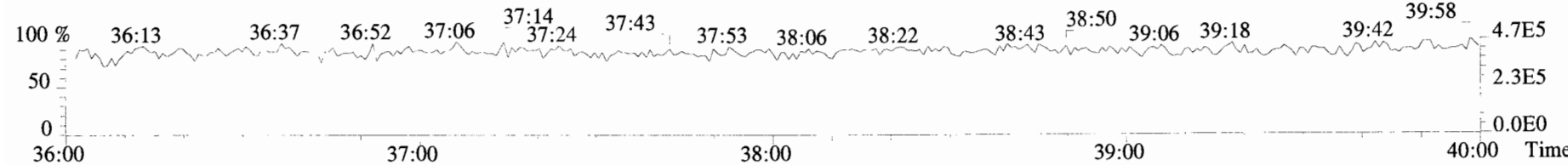
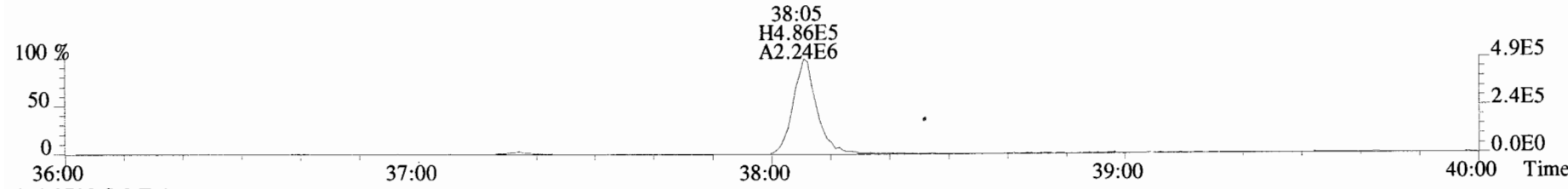
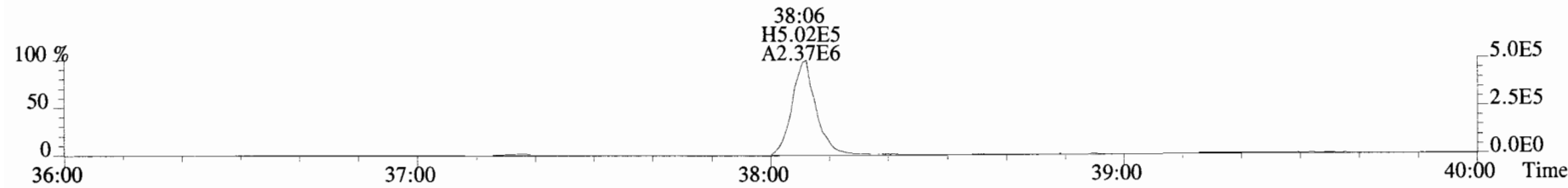
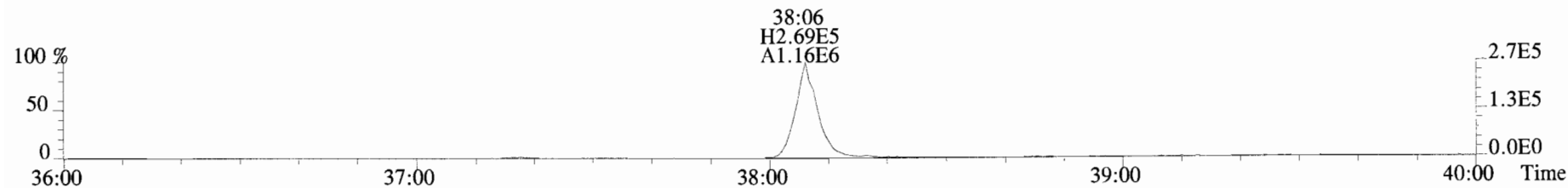
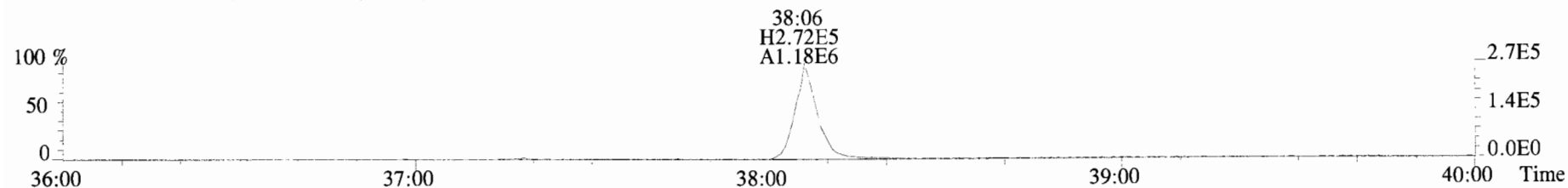
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



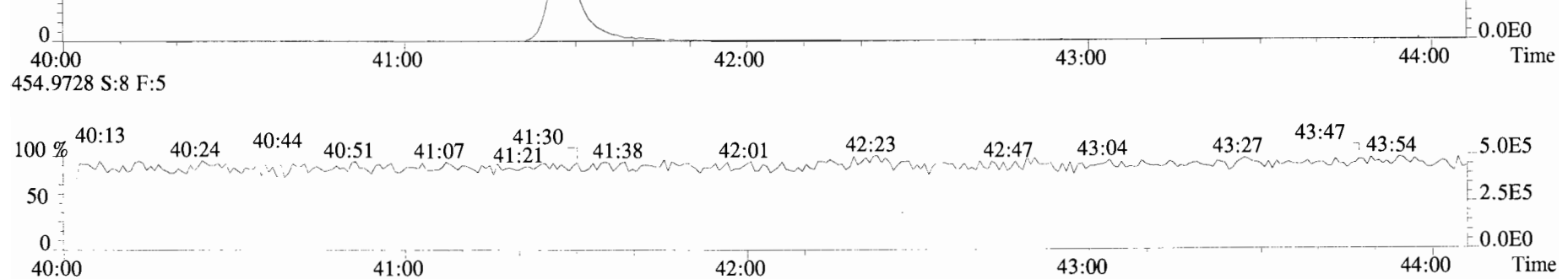
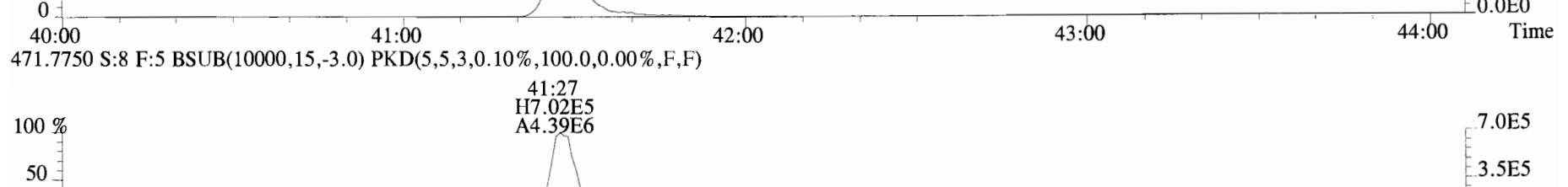
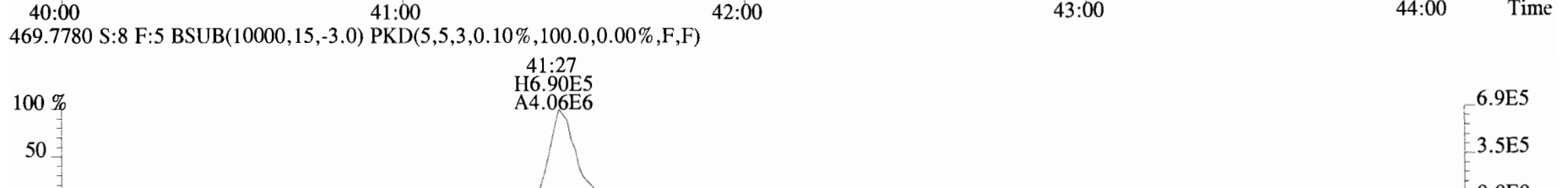
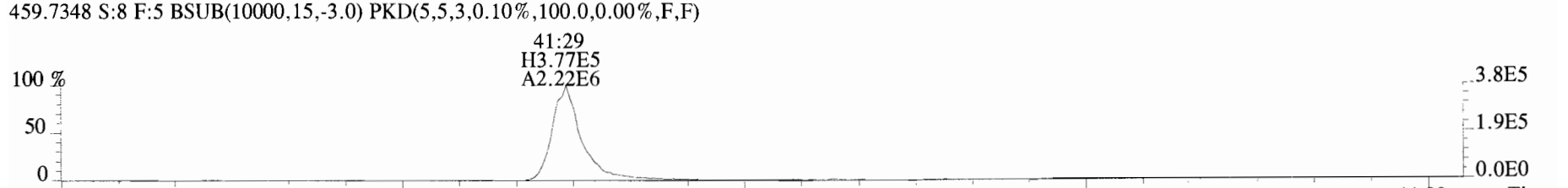
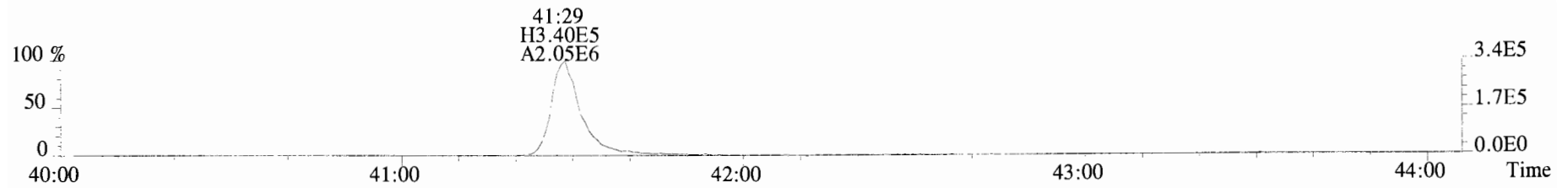
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
401.8559 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



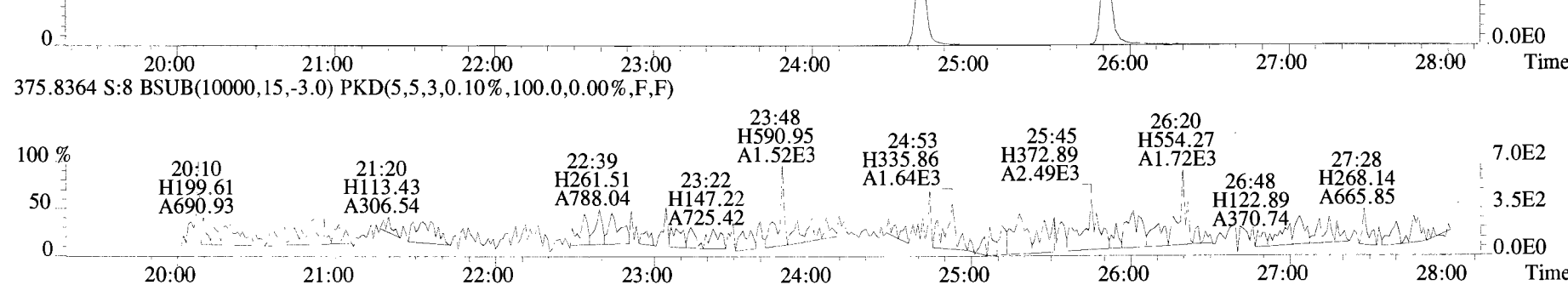
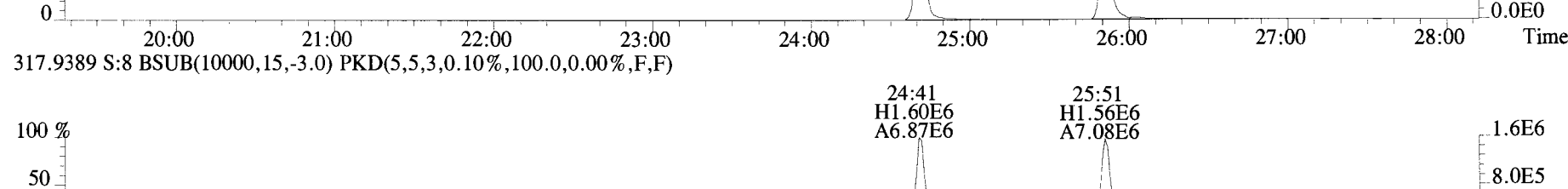
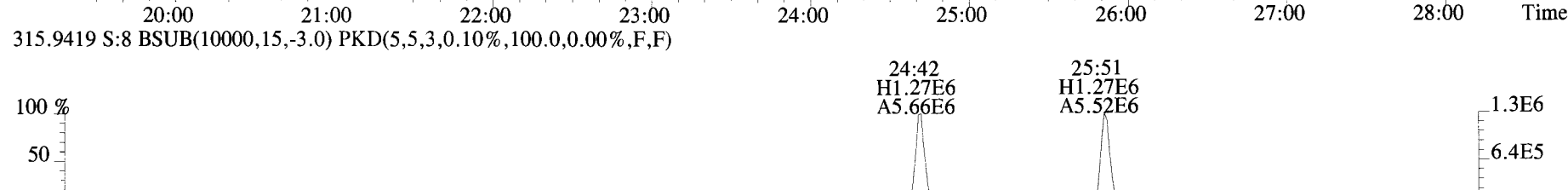
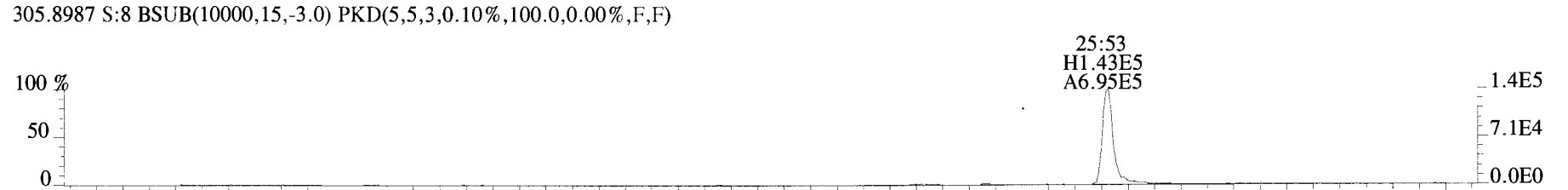
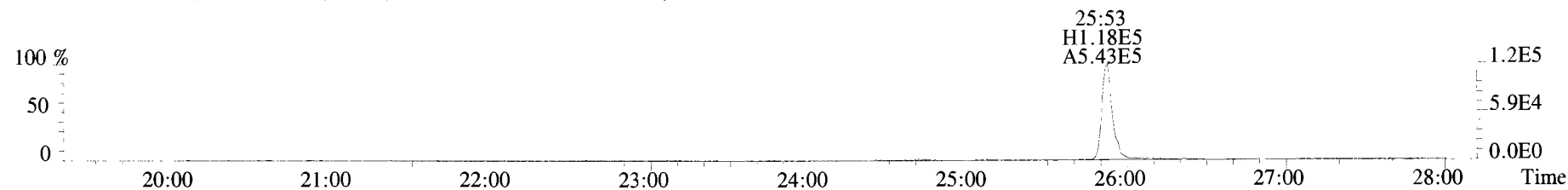
File:191009D1 #1-356 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
423.7767 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



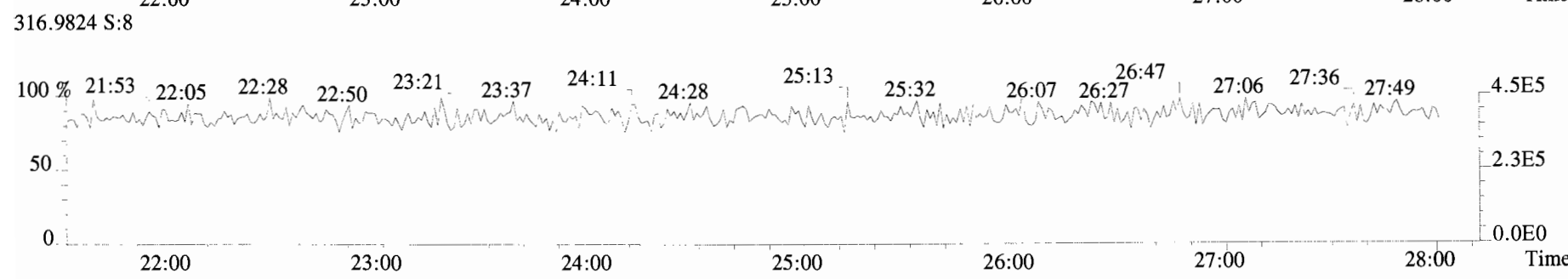
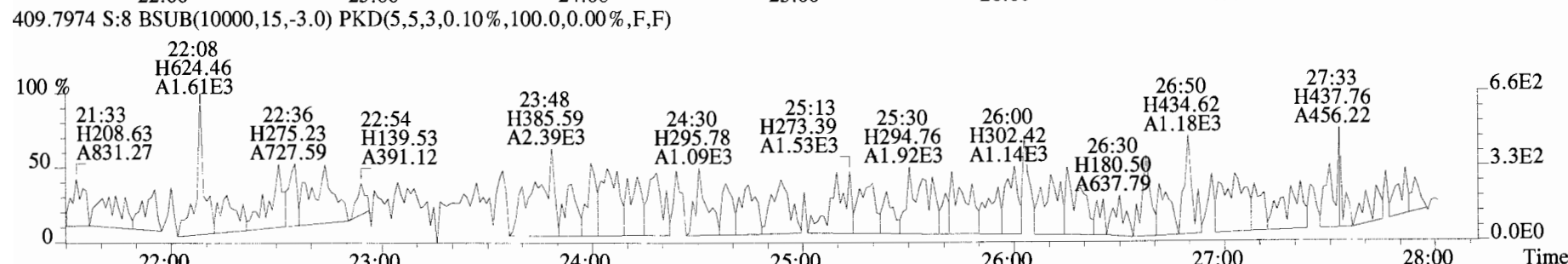
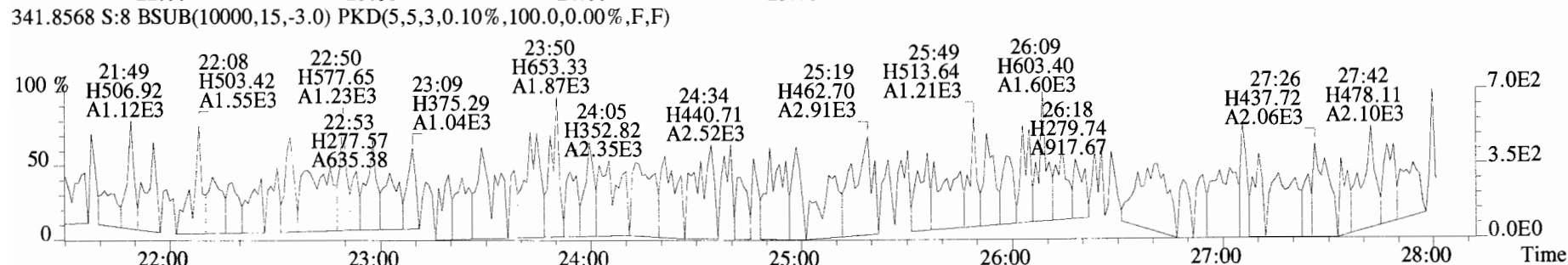
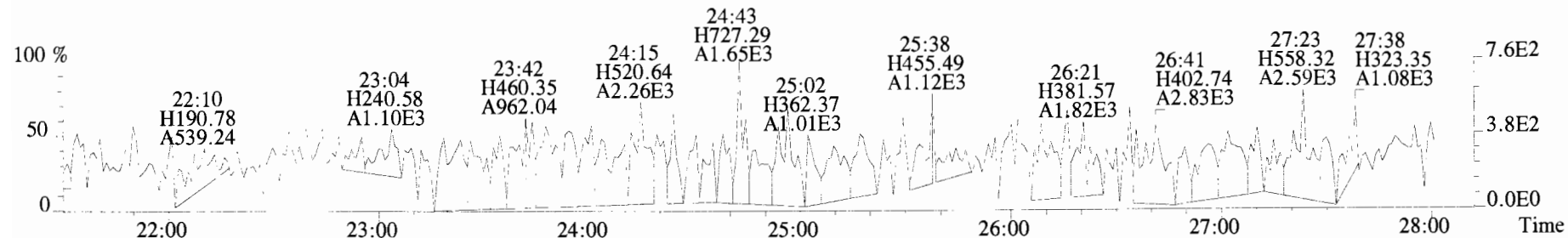
File:191009D1 #1-431 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
457.7377 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



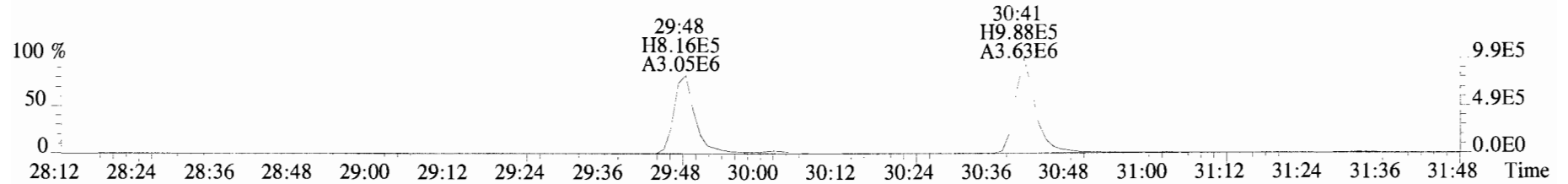
File:191009D1 #1-514 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text: Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



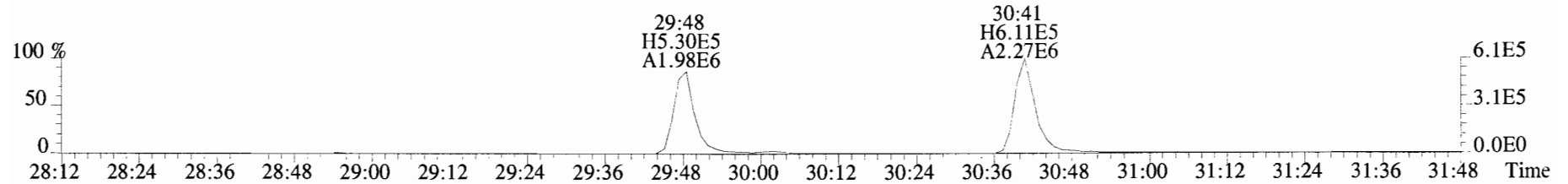
File:191009D1 #1-514 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 339.8597 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



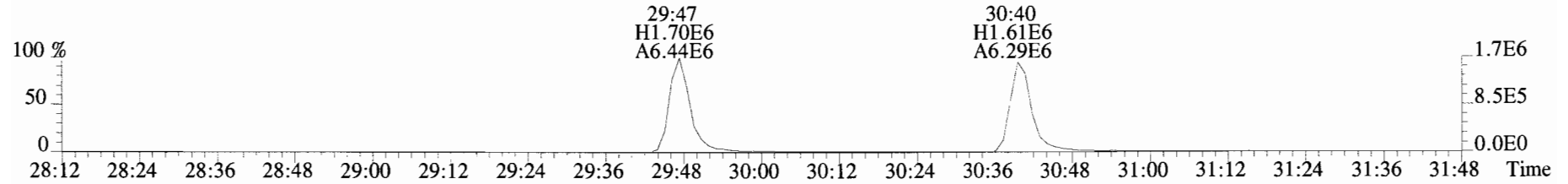
File:191009D1 #1-210 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 339.8597 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



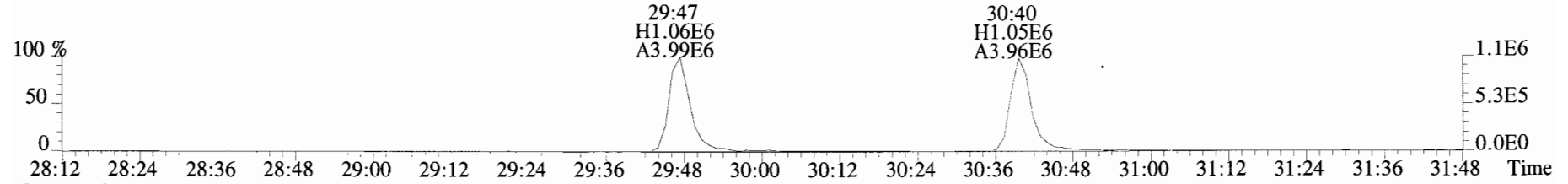
341.8568 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



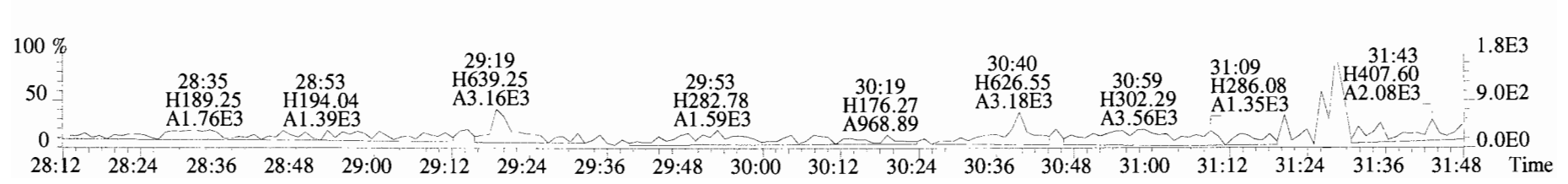
351.9000 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



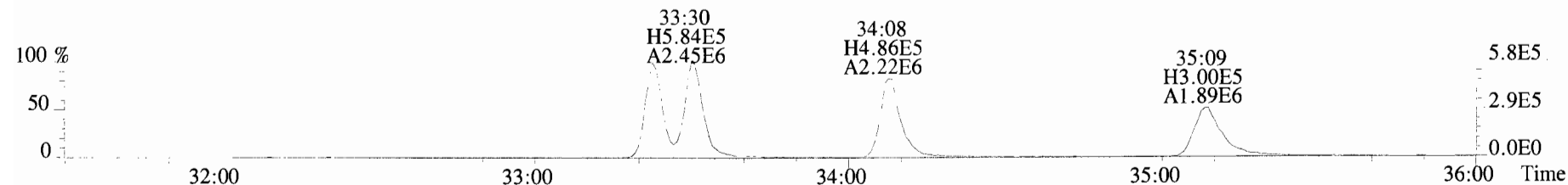
353.8970 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



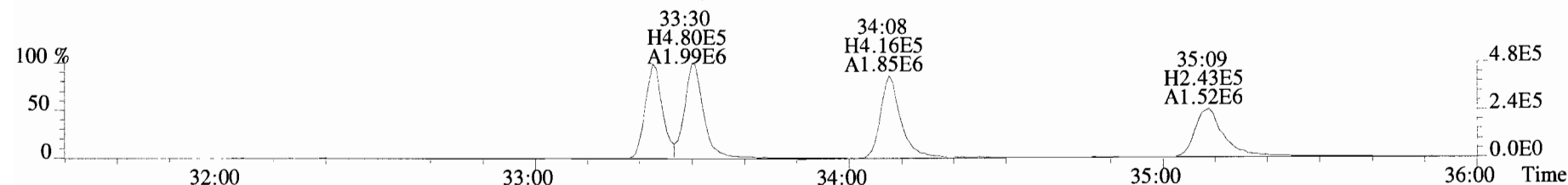
409.7974 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



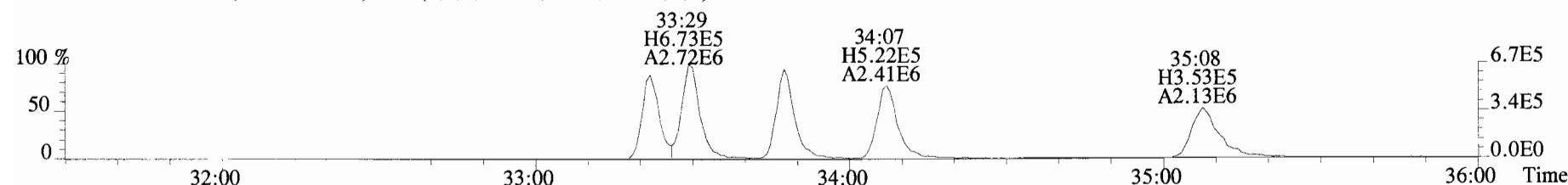
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 373.8207 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



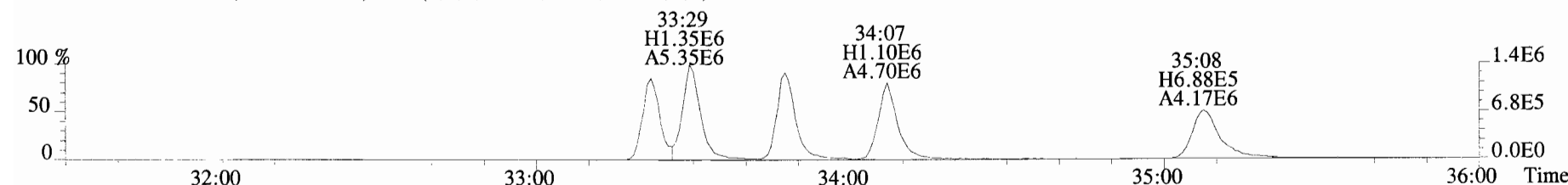
375.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



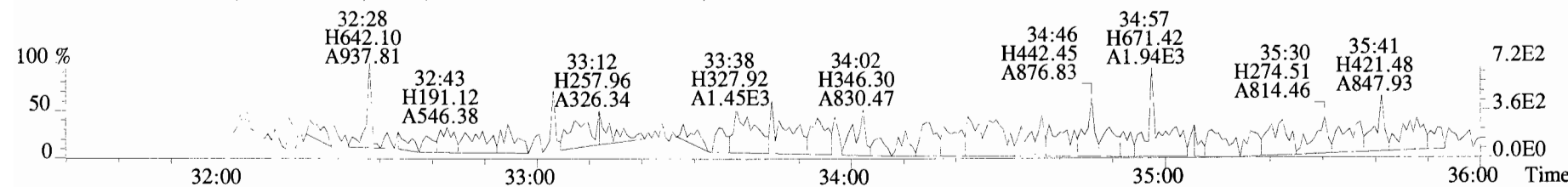
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



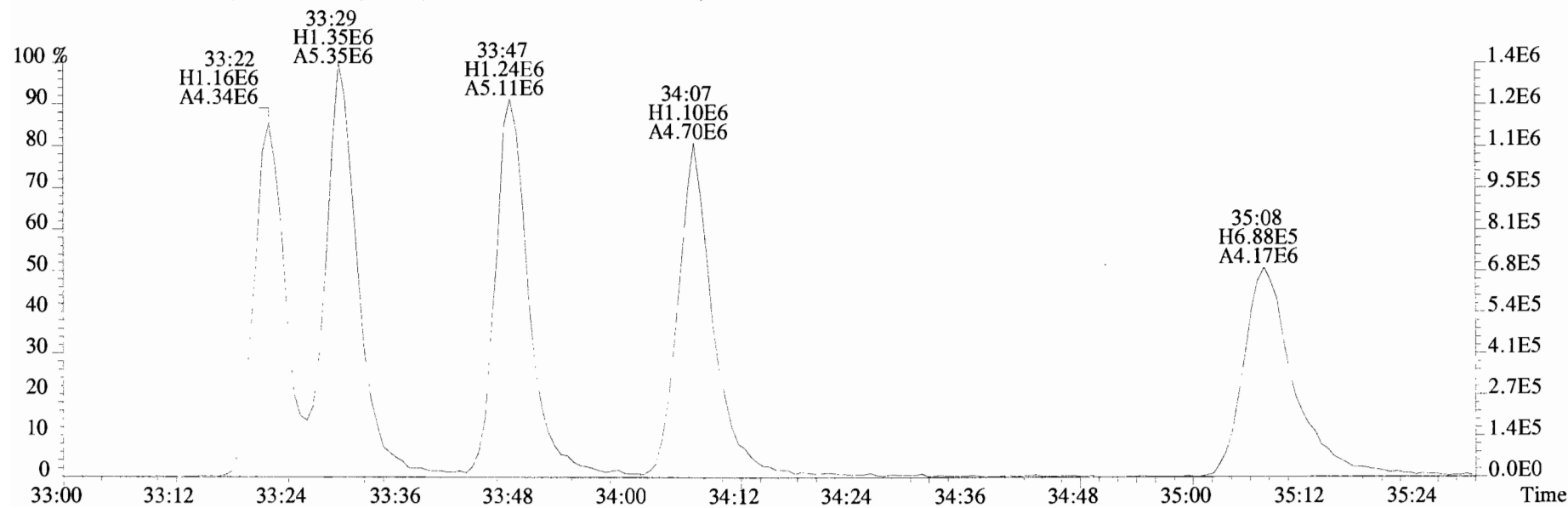
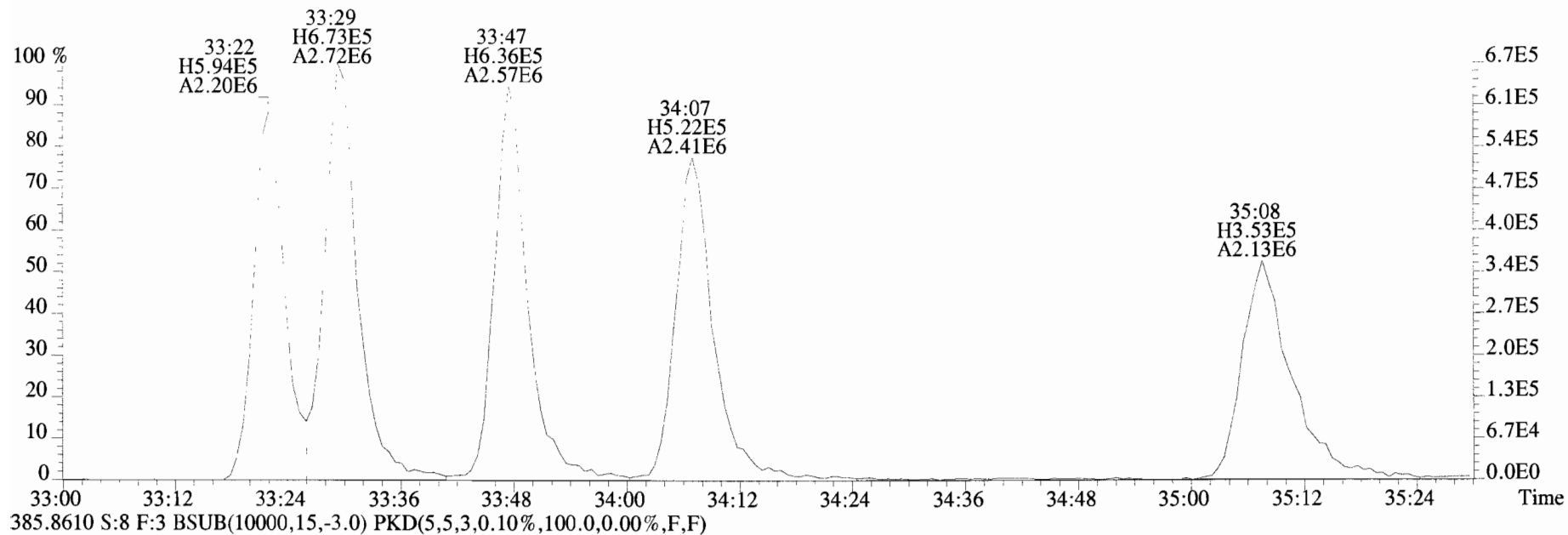
385.8610 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



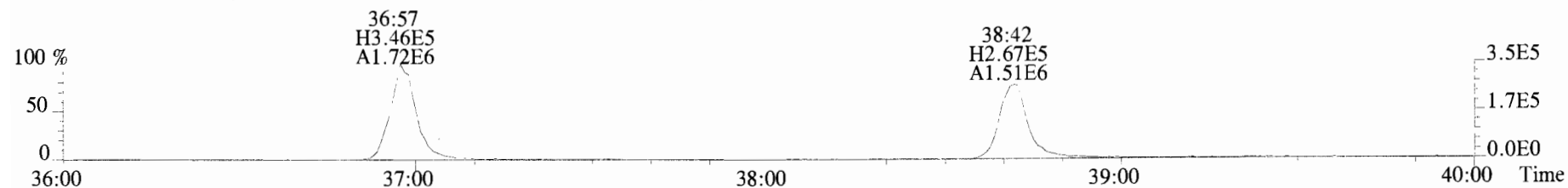
445.7555 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



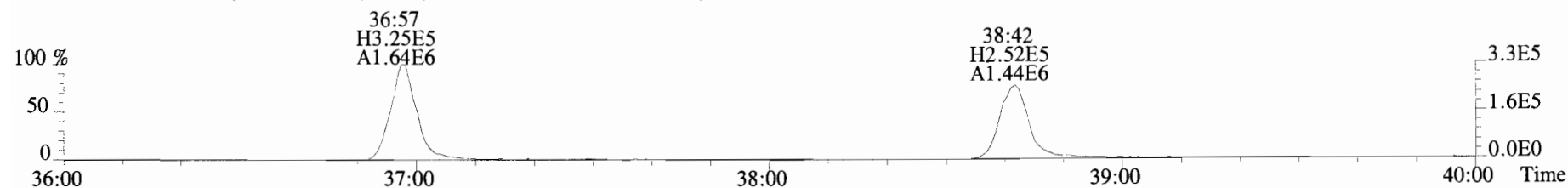
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



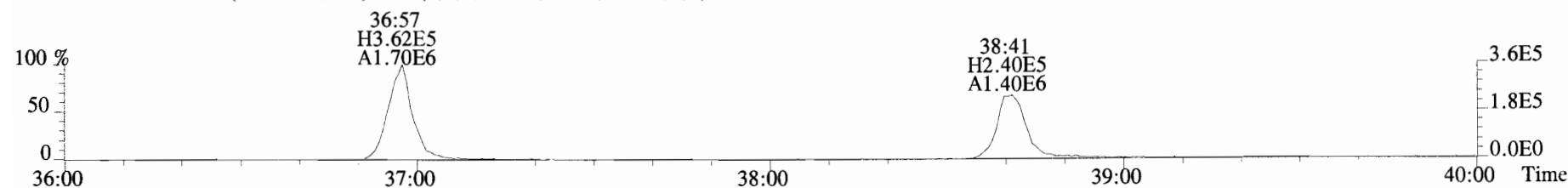
File:191009D1 #1-356 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 407.7818 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



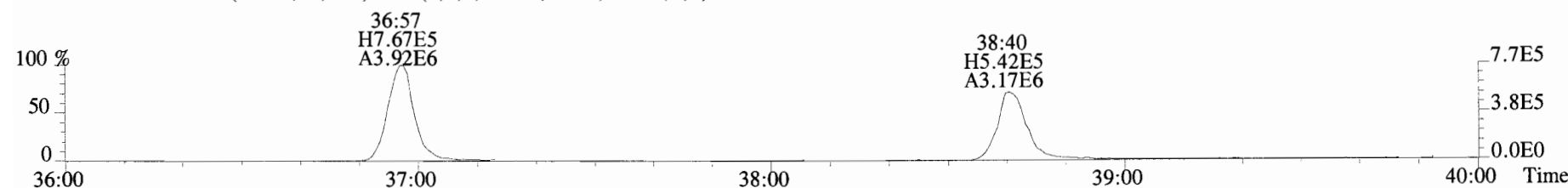
409.7788 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



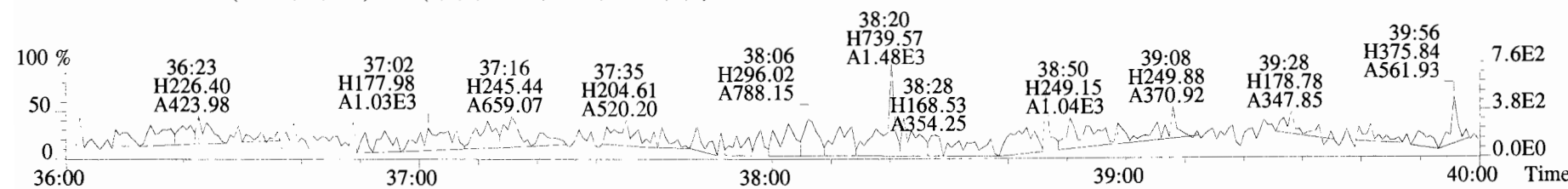
417.8253 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



419.8220 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



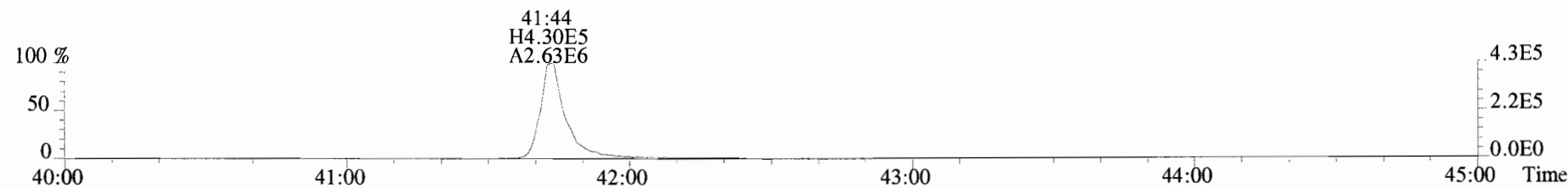
479.7165 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



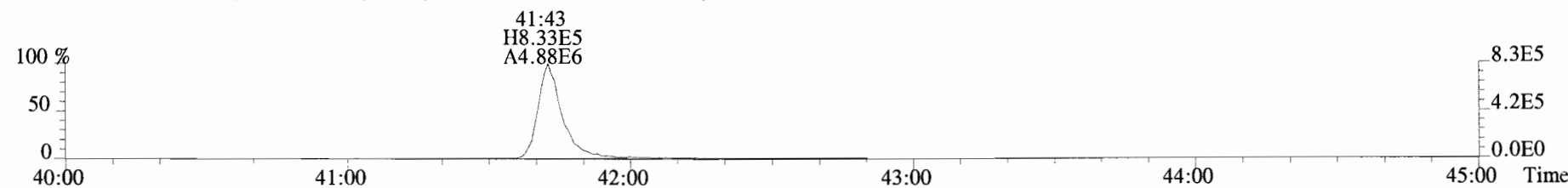
File:191009D1 #1-431 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
441.7428 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



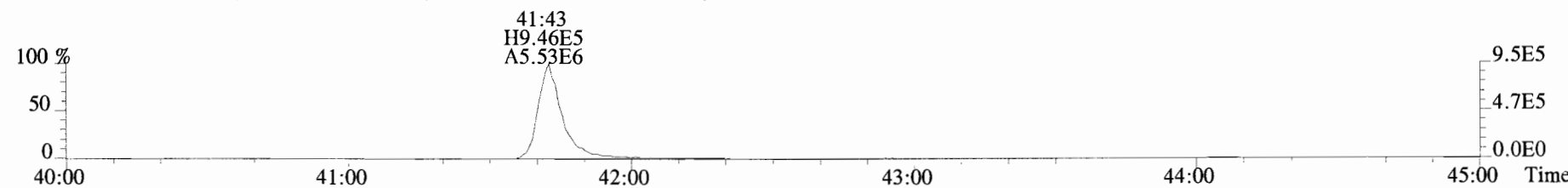
443.7398 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



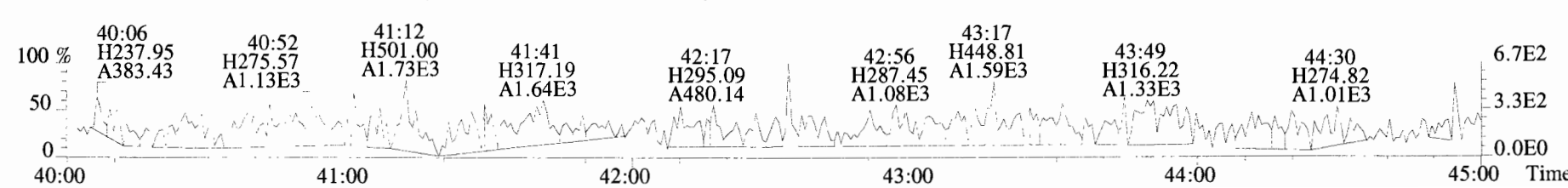
453.7831 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



455.7801 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



513.6775 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld
 Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

HC 6-29-19

End res check had low PFK, so some peaks
 had ~~no~~ PFK peaks, bleed-through and some did not
 centroid.

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_6-28-19.mdb 28 Jun 2019 14:45:02
 Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Small amount of PFK added, End res check re-processed

MS 7/2/19

Compound name: PCB-1
 Response Factor: 1.02059
 RRF SD: 0.0608218, Relative SD: 5.95949
 Response type: Internal Std (Ref 169), Area * (IS Conc. / IS Area)
 Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 190628K2_1 | 0.250 | 2.92 | NO | 16.02 | 1.001 | 4.65e3 | 2.00e6 | 0.228 | -8.7 | 0.932 | bb |
| 190628K2_2 | 1.00 | 3.15 | NO | 16.03 | 1.001 | 1.95e4 | 1.99e6 | 0.964 | -3.6 | 0.984 | bb |
| 190628K2_3 | 2.50 | 3.07 | NO | 16.04 | 1.001 | 4.78e4 | 1.90e6 | 2.46 | -1.5 | 1.00 | bb |
| 190628K2_4 | 400 | 3.13 | NO | 16.03 | 1.001 | 9.67e6 | 2.27e6 | 418 | 4.5 | 1.07 | bb |
| 190628K2_5 | 1000 | 3.11 | NO | 16.03 | 1.001 | 2.52e7 | 2.28e6 | 1080 | 8.0 | 1.10 | bb |
| 190628K2_6 | 50.0 | 3.17 | NO | 16.02 | 1.001 | 1.02e6 | 1.96e6 | 50.7 | 1.4 | 1.04 | bb |

Compound name: PCB-2
 Response Factor: 1.00905
 RRF SD: 0.0643807, Relative SD: 6.38035
 Response type: Internal Std (Ref 170), Area * (IS Conc. / IS Area)
 Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 190628K2_1 | 0.250 | 3.17 | NO | 18.47 | 0.988 | 4.61e3 | 2.02e6 | 0.226 | -9.6 | 0.912 | bb |
| 190628K2_2 | 1.00 | 3.18 | NO | 18.48 | 0.988 | 1.94e4 | 1.99e6 | 0.966 | -3.4 | 0.975 | bb |
| 190628K2_3 | 2.50 | 3.10 | NO | 18.50 | 0.989 | 4.79e4 | 1.92e6 | 2.47 | -1.1 | 0.998 | bb |
| 190628K2_4 | 400 | 3.09 | NO | 18.48 | 0.988 | 9.78e6 | 2.30e6 | 422 | 5.4 | 1.06 | bb |
| 190628K2_5 | 1000 | 3.15 | NO | 18.48 | 0.988 | 2.56e7 | 2.34e6 | 1080 | 8.3 | 1.09 | bb |
| 190628K2_6 | 50.0 | 3.20 | NO | 18.47 | 0.988 | 1.01e6 | 1.99e6 | 50.2 | 0.4 | 1.01 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-3

Response Factor: 1.00697

RRF SD: 0.0623914, Relative SD: 6.19594

Response type: Internal Std (Ref 170), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 190628K2_1 | 0.250 | 3.03 | NO | 18.71 | 1.001 | 4.64e3 | 2.02e6 | 0.228 | -8.7 | 0.919 | MM |
| 190628K2_2 | 1.00 | 3.14 | NO | 18.73 | 1.001 | 1.92e4 | 1.99e6 | 0.958 | -4.2 | 0.965 | bb |
| 190628K2_3 | 2.50 | 3.23 | NO | 18.73 | 1.001 | 4.79e4 | 1.92e6 | 2.48 | -1.0 | 0.997 | bb |
| 190628K2_4 | 400 | 3.11 | NO | 18.72 | 1.001 | 9.75e6 | 2.30e6 | 421 | 5.3 | 1.06 | bb |
| 190628K2_5 | 1000 | 3.13 | NO | 18.72 | 1.001 | 2.55e7 | 2.34e6 | 1080 | 8.3 | 1.09 | bb |
| 190628K2_6 | 50.0 | 3.16 | NO | 18.72 | 1.001 | 1.01e6 | 1.99e6 | 50.2 | 0.3 | 1.01 | bb |

Compound name: PCB-4/10

Response Factor: 1.27539

RRF SD: 0.0612282, Relative SD: 4.80075

Response type: Internal Std (Ref 171), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 190628K2_1 | 0.500 | 1.52 | NO | 20.16 | 1.004 | 7.26e3 | 1.18e6 | 0.484 | -3.3 | 1.23 | MM |
| 190628K2_2 | 2.00 | 1.58 | NO | 20.18 | 1.005 | 2.81e4 | 1.17e6 | 1.88 | -5.9 | 1.20 | MM |
| 190628K2_3 | 5.00 | 1.67 | NO | 20.18 | 1.004 | 7.00e4 | 1.13e6 | 4.88 | -2.5 | 1.24 | MM |
| 190628K2_4 | 800 | 1.57 | NO | 20.17 | 1.004 | 1.42e7 | 1.35e6 | 830 | 3.7 | 1.32 | MM |
| 190628K2_5 | 2000 | 1.58 | NO | 20.17 | 1.004 | 3.73e7 | 1.37e6 | 2140 | 7.0 | 1.36 | MM |
| 190628K2_6 | 100 | 1.57 | NO | 20.16 | 1.004 | 1.52e6 | 1.18e6 | 101 | 0.9 | 1.29 | MM |

Compound name: PCB-7/9

Response Factor: 0.976133

RRF SD: 0.0665552, Relative SD: 6.81825

Response type: Internal Std (Ref 172), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 190628K2_1 | 0.500 | 1.54 | NO | 21.98 | 1.003 | 8.19e3 | 1.85e6 | 0.453 | -9.3 | 0.885 | MM |
| 190628K2_2 | 2.00 | 1.51 | NO | 21.98 | 1.002 | 3.39e4 | 1.83e6 | 1.90 | -5.1 | 0.926 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-7/9

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 5.00 | 1.58 | NO | 22.00 | 1.003 | 8.39e4 | 1.74e6 | 4.94 | -1.2 | 0.964 | bb |
| 4 | 190628K2_4 | 800 | 1.55 | NO | 21.98 | 1.002 | 1.72e7 | 2.08e6 | 844 | 5.6 | 1.03 | bb |
| 5 | 190628K2_5 | 2000 | 1.56 | NO | 21.99 | 1.003 | 4.55e7 | 2.13e6 | 2190 | 9.3 | 1.07 | bb |
| 6 | 190628K2_6 | 100 | 1.56 | NO | 21.96 | 1.001 | 1.79e6 | 1.82e6 | 101 | 0.8 | 0.984 | bb |

Compound name: PCB-6

Response Factor: 1.01708

RRF SD: 0.0768011, Relative SD: 7.55113

Response type: Internal Std (Ref 172), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.50 | NO | 22.64 | 1.033 | 4.20e3 | 1.85e6 | 0.223 | -10.8 | 0.908 | MM |
| 2 | 190628K2_2 | 1.00 | 1.53 | NO | 22.65 | 1.032 | 1.78e4 | 1.83e6 | 0.954 | -4.6 | 0.971 | bb |
| 3 | 190628K2_3 | 2.50 | 1.55 | NO | 22.67 | 1.033 | 4.32e4 | 1.74e6 | 2.44 | -2.5 | 0.991 | bb |
| 4 | 190628K2_4 | 400 | 1.58 | NO | 22.65 | 1.033 | 9.02e6 | 2.08e6 | 426 | 6.4 | 1.08 | bb |
| 5 | 190628K2_5 | 1000 | 1.57 | NO | 22.65 | 1.033 | 2.38e7 | 2.13e6 | 1100 | 9.9 | 1.12 | bb |
| 6 | 190628K2_6 | 50.0 | 1.58 | NO | 22.64 | 1.033 | 9.40e5 | 1.82e6 | 50.8 | 1.6 | 1.03 | bb |

Compound name: PCB-5/8

Response Factor: 1.0111

RRF SD: 0.0691334, Relative SD: 6.83747

Response type: Internal Std (Ref 172), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.42 | NO | 23.06 | 1.052 | 8.63e3 | 1.85e6 | 0.461 | -7.7 | 0.933 | MM |
| 2 | 190628K2_2 | 2.00 | 1.63 | NO | 23.09 | 1.052 | 3.48e4 | 1.83e6 | 1.88 | -6.0 | 0.950 | bb |
| 3 | 190628K2_3 | 5.00 | 1.56 | NO | 23.08 | 1.052 | 8.50e4 | 1.74e6 | 4.83 | -3.4 | 0.976 | bb |
| 4 | 190628K2_4 | 800 | 1.55 | NO | 23.07 | 1.052 | 1.78e7 | 2.08e6 | 845 | 5.6 | 1.07 | bb |
| 5 | 190628K2_5 | 2000 | 1.56 | NO | 23.07 | 1.052 | 4.72e7 | 2.13e6 | 2190 | 9.5 | 1.11 | bb |
| 6 | 190628K2_6 | 100 | 1.57 | NO | 23.06 | 1.051 | 1.88e6 | 1.82e6 | 102 | 2.1 | 1.03 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-14

Response Factor: 1.03284

RRF SD: 0.0793435, Relative SD: 7.68206

Response type: Internal Std (Ref 173), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.52 | NO | 24.20 | 0.952 | 4.28e3 | 1.80e6 | 0.231 | -7.8 | 0.953 | MM |
| 2 | 190628K2_2 | 1.00 | 1.60 | NO | 24.22 | 0.953 | 1.64e4 | 1.77e6 | 0.897 | -10.3 | 0.927 | bd |
| 3 | 190628K2_3 | 2.50 | 1.63 | NO | 24.22 | 0.952 | 4.33e4 | 1.68e6 | 2.49 | -0.2 | 1.03 | bd |
| 4 | 190628K2_4 | 400 | 1.58 | NO | 24.21 | 0.952 | 9.11e6 | 2.06e6 | 429 | 7.2 | 1.11 | bd |
| 5 | 190628K2_5 | 1000 | 1.55 | NO | 24.21 | 0.952 | 2.40e7 | 2.15e6 | 1080 | 8.4 | 1.12 | bd |
| 6 | 190628K2_6 | 50.0 | 1.57 | NO | 24.20 | 0.952 | 9.30e5 | 1.75e6 | 51.3 | 2.7 | 1.06 | bd |

Compound name: PCB-11

Response Factor: 1.09599

RRF SD: 0.0981502, Relative SD: 8.9554

Response type: Internal Std (Ref 173), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.73 | NO | 25.44 | 1.001 | 4.20e3 | 1.80e6 | 0.213 | -14.8 | 0.934 | MM |
| 2 | 190628K2_2 | 1.00 | 1.49 | NO | 25.46 | 1.001 | 1.84e4 | 1.77e6 | 0.953 | -4.7 | 1.04 | bb |
| 3 | 190628K2_3 | 2.50 | 1.60 | NO | 25.46 | 1.001 | 4.55e4 | 1.68e6 | 2.47 | -1.1 | 1.08 | db |
| 4 | 190628K2_4 | 400 | 1.57 | NO | 25.45 | 1.001 | 9.69e6 | 2.06e6 | 430 | 7.5 | 1.18 | db |
| 5 | 190628K2_5 | 1000 | 1.57 | NO | 25.45 | 1.001 | 2.57e7 | 2.15e6 | 1090 | 9.3 | 1.20 | db |
| 6 | 190628K2_6 | 50.0 | 1.60 | NO | 25.44 | 1.001 | 9.97e5 | 1.75e6 | 51.9 | 3.8 | 1.14 | db |

Compound name: PCB-12/13

Response Factor: 1.03706

RRF SD: 0.0681119, Relative SD: 6.56777

Response type: Internal Std (Ref 173), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.41 | NO | 25.82 | 1.016 | 8.77e3 | 1.80e6 | 0.471 | -5.9 | 0.976 | MM |
| 2 | 190628K2_2 | 2.00 | 1.65 | NO | 25.89 | 1.018 | 3.41e4 | 1.77e6 | 1.86 | -7.0 | 0.964 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-12/13

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 5.00 | 1.54 | NO | 25.89 | 1.018 | 8.38e4 | 1.68e6 | 4.81 | -3.8 | 0.998 | MM |
| 4 | 190628K2_4 | 800 | 1.55 | NO | 25.82 | 1.015 | 1.81e7 | 2.06e6 | 850 | 6.2 | 1.10 | MM |
| 5 | 190628K2_5 | 2000 | 1.55 | NO | 25.82 | 1.015 | 4.84e7 | 2.15e6 | 2170 | 8.7 | 1.13 | MM |
| 6 | 190628K2_6 | 100 | 1.57 | NO | 25.82 | 1.016 | 1.85e6 | 1.75e6 | 102 | 1.8 | 1.06 | MM |

Compound name: PCB-15

Response Factor: 1.0284

RRF SD: 0.103835, Relative SD: 10.0967

Response type: Internal Std (Ref 173), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.35 | NO | 26.17 | 1.030 | 4.02e3 | 1.80e6 | 0.217 | -13.1 | 0.894 | MM |
| 2 | 190628K2_2 | 1.00 | 1.62 | NO | 26.18 | 1.030 | 1.64e4 | 1.77e6 | 0.903 | -9.7 | 0.929 | MM |
| 3 | 190628K2_3 | 2.50 | 1.64 | NO | 26.18 | 1.029 | 4.24e4 | 1.68e6 | 2.46 | -1.7 | 1.01 | MM |
| 4 | 190628K2_4 | 400 | 1.57 | NO | 26.17 | 1.029 | 9.30e6 | 2.06e6 | 440 | 9.9 | 1.13 | MM |
| 5 | 190628K2_5 | 1000 | 1.56 | NO | 26.18 | 1.030 | 2.46e7 | 2.15e6 | 1120 | 11.6 | 1.15 | MM |
| 6 | 190628K2_6 | 50.0 | 1.57 | NO | 26.17 | 1.030 | 9.28e5 | 1.75e6 | 51.5 | 3.0 | 1.06 | MM |

Compound name: PCB-19

Response Factor: 0.934219

RRF SD: 0.0568098, Relative SD: 6.08099

Response type: Internal Std (Ref 174), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.03 | NO | 24.39 | 1.001 | 2.54e3 | 1.20e6 | 0.226 | -9.5 | 0.845 | bb |
| 2 | 190628K2_2 | 1.00 | 0.96 | NO | 24.40 | 1.001 | 1.07e4 | 1.17e6 | 0.977 | -2.3 | 0.913 | bb |
| 3 | 190628K2_3 | 2.50 | 1.02 | NO | 24.40 | 1.001 | 2.57e4 | 1.12e6 | 2.45 | -2.1 | 0.915 | bb |
| 4 | 190628K2_4 | 400 | 0.97 | NO | 24.40 | 1.001 | 5.18e6 | 1.34e6 | 415 | 3.7 | 0.968 | bb |
| 5 | 190628K2_5 | 1000 | 0.96 | NO | 24.40 | 1.001 | 1.36e7 | 1.34e6 | 1080 | 8.2 | 1.01 | bb |
| 6 | 190628K2_6 | 50.0 | 0.99 | NO | 24.39 | 1.001 | 5.50e5 | 1.15e6 | 51.0 | 2.0 | 0.953 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-30

Response Factor: 1.48089

RRF SD: 0.0920808, Relative SD: 6.21795

Response type: Internal Std (Ref 174), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.01 | NO | 25.32 | 1.039 | 4.16e3 | 1.20e6 | 0.234 | -6.6 | 1.38 | MM |
| 2 | 190628K2_2 | 1.00 | 0.96 | NO | 25.33 | 1.039 | 1.65e4 | 1.17e6 | 0.952 | -4.8 | 1.41 | bb |
| 3 | 190628K2_3 | 2.50 | 0.97 | NO | 25.33 | 1.039 | 4.02e4 | 1.12e6 | 2.42 | -3.3 | 1.43 | bb |
| 4 | 190628K2_4 | 400 | 0.96 | NO | 25.32 | 1.038 | 8.23e6 | 1.34e6 | 415 | 3.8 | 1.54 | bb |
| 5 | 190628K2_5 | 1000 | 0.97 | NO | 25.32 | 1.038 | 2.19e7 | 1.34e6 | 1100 | 10.0 | 1.63 | bb |
| 6 | 190628K2_6 | 50.0 | 0.97 | NO | 25.32 | 1.039 | 8.62e5 | 1.15e6 | 50.4 | 0.8 | 1.49 | bb |

Compound name: PCB-18

Response Factor: 0.69301

RRF SD: 0.0348573, Relative SD: 5.02985

Response type: Internal Std (Ref 175), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.98 | NO | 26.09 | 0.952 | 2.67e3 | 1.69e6 | 0.228 | -8.8 | 0.632 | bb |
| 2 | 190628K2_2 | 1.00 | 0.95 | NO | 26.10 | 0.953 | 1.12e4 | 1.64e6 | 0.988 | -1.2 | 0.684 | bb |
| 3 | 190628K2_3 | 2.50 | 0.99 | NO | 26.10 | 0.953 | 2.70e4 | 1.57e6 | 2.49 | -0.5 | 0.689 | bd |
| 4 | 190628K2_4 | 400 | 0.96 | NO | 26.09 | 0.952 | 5.58e6 | 1.94e6 | 416 | 4.1 | 0.721 | bd |
| 5 | 190628K2_5 | 1000 | 0.96 | NO | 26.10 | 0.953 | 1.47e7 | 2.02e6 | 1050 | 5.5 | 0.731 | bd |
| 6 | 190628K2_6 | 50.0 | 0.98 | NO | 26.09 | 0.952 | 5.77e5 | 1.65e6 | 50.5 | 1.0 | 0.700 | bd |

Compound name: PCB-17

Response Factor: 0.666881

RRF SD: 0.0267585, Relative SD: 4.01249

Response type: Internal Std (Ref 175), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.09 | NO | 26.27 | 0.959 | 2.93e3 | 1.69e6 | 0.261 | 4.3 | 0.695 | bb |
| 2 | 190628K2_2 | 1.00 | 1.01 | NO | 26.28 | 0.959 | 1.03e4 | 1.64e6 | 0.942 | -5.8 | 0.628 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-17

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 0.96 | NO | 26.28 | 0.959 | 2.52e4 | 1.57e6 | 2.41 | -3.5 | 0.643 | db |
| 4 | 190628K2_4 | 400 | 0.97 | NO | 26.27 | 0.959 | 5.27e6 | 1.94e6 | 409 | 2.1 | 0.681 | db |
| 5 | 190628K2_5 | 1000 | 0.96 | NO | 26.27 | 0.959 | 1.39e7 | 2.02e6 | 1030 | 3.4 | 0.689 | db |
| 6 | 190628K2_6 | 50.0 | 0.97 | NO | 26.26 | 0.959 | 5.47e5 | 1.65e6 | 49.8 | -0.5 | 0.664 | db |

Compound name: PCB-24/27

Response Factor: 0.914605

RRF SD: 0.0431702, Relative SD: 4.7201

Response type: Internal Std (Ref 175), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.90 | NO | 26.87 | 0.981 | 7.16e3 | 1.69e6 | 0.464 | -7.1 | 0.850 | MM |
| 2 | 190628K2_2 | 2.00 | 0.96 | NO | 26.87 | 0.981 | 2.95e4 | 1.64e6 | 1.97 | -1.5 | 0.901 | bb |
| 3 | 190628K2_3 | 5.00 | 0.95 | NO | 26.88 | 0.981 | 6.97e4 | 1.57e6 | 4.86 | -2.9 | 0.888 | bb |
| 4 | 190628K2_4 | 800 | 0.98 | NO | 26.87 | 0.981 | 1.48e7 | 1.94e6 | 836 | 4.5 | 0.956 | bb |
| 5 | 190628K2_5 | 2000 | 0.97 | NO | 26.87 | 0.981 | 3.88e7 | 2.02e6 | 2100 | 5.2 | 0.962 | bb |
| 6 | 190628K2_6 | 100 | 0.97 | NO | 26.86 | 0.981 | 1.53e6 | 1.65e6 | 102 | 1.7 | 0.930 | bb |

Compound name: PCB-16/32

Response Factor: 0.792346

RRF SD: 0.0296842, Relative SD: 3.74637

Response type: Internal Std (Ref 175), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.97 | NO | 27.41 | 1.001 | 6.44e3 | 1.69e6 | 0.482 | -3.7 | 0.763 | bb |
| 2 | 190628K2_2 | 2.00 | 0.94 | NO | 27.42 | 1.001 | 2.49e4 | 1.64e6 | 1.92 | -4.1 | 0.760 | bb |
| 3 | 190628K2_3 | 5.00 | 0.96 | NO | 27.42 | 1.001 | 6.11e4 | 1.57e6 | 4.91 | -1.8 | 0.778 | bb |
| 4 | 190628K2_4 | 800 | 0.96 | NO | 27.41 | 1.001 | 1.28e7 | 1.94e6 | 832 | 4.0 | 0.824 | bb |
| 5 | 190628K2_5 | 2000 | 0.96 | NO | 27.41 | 1.000 | 3.34e7 | 2.02e6 | 2090 | 4.4 | 0.827 | bb |
| 6 | 190628K2_6 | 100 | 0.96 | NO | 27.41 | 1.001 | 1.32e6 | 1.65e6 | 101 | 1.2 | 0.802 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-34

Response Factor: 0.987386

RRF SD: 0.031487, Relative SD: 3.18892

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.12 | NO | 28.24 | 0.960 | 3.83e3 | 1.52e6 | 0.255 | 1.8 | 1.01 | bd |
| 2 | 190628K2_2 | 1.00 | 0.97 | NO | 28.24 | 0.960 | 1.52e4 | 1.57e6 | 0.981 | -1.9 | 0.968 | bd |
| 3 | 190628K2_3 | 2.50 | 1.04 | NO | 28.24 | 0.960 | 3.75e4 | 1.54e6 | 2.47 | -1.2 | 0.975 | bd |
| 4 | 190628K2_4 | 400 | 1.02 | NO | 28.24 | 0.960 | 7.26e6 | 1.79e6 | 411 | 2.6 | 1.01 | bd |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 28.24 | 0.960 | 1.90e7 | 1.86e6 | 1040 | 3.5 | 1.02 | bd |
| 6 | 190628K2_6 | 50.0 | 1.04 | NO | 28.22 | 0.960 | 7.84e5 | 1.67e6 | 47.6 | -4.8 | 0.940 | bd |

Compound name: PCB-23

Response Factor: 0.97397

RRF SD: 0.103081, Relative SD: 10.5836

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.00 | NO | 28.31 | 0.963 | 3.62e3 | 1.52e6 | 0.244 | -2.3 | 0.951 | db |
| 2 | 190628K2_2 | 1.00 | 1.10 | NO | 28.33 | 0.963 | 1.38e4 | 1.57e6 | 0.902 | -9.8 | 0.878 | db |
| 3 | 190628K2_3 | 2.50 | 1.04 | NO | 28.33 | 0.963 | 3.41e4 | 1.54e6 | 2.28 | -8.9 | 0.887 | db |
| 4 | 190628K2_4 | 400 | 1.05 | NO | 28.33 | 0.963 | 7.69e6 | 1.79e6 | 441 | 10.3 | 1.07 | db |
| 5 | 190628K2_5 | 1000 | 1.05 | NO | 28.33 | 0.963 | 2.10e7 | 1.86e6 | 1160 | 15.7 | 1.13 | db |
| 6 | 190628K2_6 | 50.0 | 1.05 | NO | 28.33 | 0.963 | 7.73e5 | 1.67e6 | 47.5 | -4.9 | 0.926 | db |

Compound name: PCB-29

Response Factor: 0.953489

RRF SD: 0.0694569, Relative SD: 7.2845

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.17 | NO | 28.57 | 0.971 | 3.72e3 | 1.52e6 | 0.256 | 2.5 | 0.977 | bb |
| 2 | 190628K2_2 | 1.00 | 1.02 | NO | 28.59 | 0.972 | 1.39e4 | 1.57e6 | 0.926 | -7.4 | 0.882 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-29

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.06 | NO | 28.59 | 0.972 | 3.44e4 | 1.54e6 | 2.35 | -6.1 | 0.895 | bd |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 28.59 | 0.972 | 7.32e6 | 1.79e6 | 429 | 7.3 | 1.02 | bd |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 28.59 | 0.971 | 1.94e7 | 1.86e6 | 1090 | 9.2 | 1.04 | bd |
| 6 | 190628K2_6 | 50.0 | 1.04 | NO | 28.57 | 0.971 | 7.53e5 | 1.67e6 | 47.3 | -5.4 | 0.902 | bd |

Compound name: PCB-26

Response Factor: 1.00101

RRF SD: 0.0777576, Relative SD: 7.76791

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.17 | NO | 28.79 | 0.979 | 3.56e3 | 1.52e6 | 0.234 | -6.5 | 0.936 | bd |
| 2 | 190628K2_2 | 1.00 | 1.00 | NO | 28.81 | 0.979 | 1.53e4 | 1.57e6 | 0.971 | -2.9 | 0.972 | bd |
| 3 | 190628K2_3 | 2.50 | 1.05 | NO | 28.81 | 0.979 | 3.58e4 | 1.54e6 | 2.33 | -6.9 | 0.932 | dd |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 28.79 | 0.979 | 7.76e6 | 1.79e6 | 433 | 8.3 | 1.08 | dd |
| 5 | 190628K2_5 | 1000 | 1.04 | NO | 28.79 | 0.979 | 2.07e7 | 1.86e6 | 1110 | 11.2 | 1.11 | dd |
| 6 | 190628K2_6 | 50.0 | 1.03 | NO | 28.79 | 0.979 | 8.09e5 | 1.67e6 | 48.4 | -3.1 | 0.970 | dd |

Compound name: PCB-25

Response Factor: 0.977946

RRF SD: 0.0922085, Relative SD: 9.4288

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.95 | NO | 28.96 | 0.985 | 3.30e3 | 1.52e6 | 0.221 | -11.5 | 0.865 | db |
| 2 | 190628K2_2 | 1.00 | 1.02 | NO | 28.98 | 0.985 | 1.46e4 | 1.57e6 | 0.949 | -5.1 | 0.928 | MM |
| 3 | 190628K2_3 | 2.50 | 1.04 | NO | 28.98 | 0.985 | 3.65e4 | 1.54e6 | 2.43 | -2.8 | 0.951 | db |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 28.96 | 0.984 | 7.69e6 | 1.79e6 | 439 | 9.8 | 1.07 | db |
| 5 | 190628K2_5 | 1000 | 1.04 | NO | 28.96 | 0.984 | 2.06e7 | 1.86e6 | 1130 | 13.1 | 1.11 | db |
| 6 | 190628K2_6 | 50.0 | 1.05 | NO | 28.96 | 0.985 | 7.89e5 | 1.67e6 | 48.3 | -3.4 | 0.945 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-31

Response Factor: 1.12319

RRF SD: 0.0951643, Relative SD: 8.47271

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.16 | NO | 29.33 | 0.997 | 4.08e3 | 1.52e6 | 0.239 | -4.6 | 1.07 | MM |
| 2 | 190628K2_2 | 1.00 | 1.05 | NO | 29.33 | 0.997 | 1.62e4 | 1.57e6 | 0.919 | -8.1 | 1.03 | bd |
| 3 | 190628K2_3 | 2.50 | 1.01 | NO | 29.35 | 0.997 | 4.02e4 | 1.54e6 | 2.33 | -6.7 | 1.05 | bd |
| 4 | 190628K2_4 | 400 | 1.03 | NO | 29.33 | 0.997 | 8.82e6 | 1.79e6 | 439 | 9.7 | 1.23 | bd |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 29.33 | 0.997 | 2.33e7 | 1.86e6 | 1110 | 11.4 | 1.25 | bd |
| 6 | 190628K2_6 | 50.0 | 1.03 | NO | 29.33 | 0.997 | 9.21e5 | 1.67e6 | 49.1 | -1.8 | 1.10 | bd |

Compound name: PCB-28

Response Factor: 1.10587

RRF SD: 0.0819508, Relative SD: 7.41051

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.02 | NO | 29.44 | 1.001 | 3.86e3 | 1.52e6 | 0.229 | -8.4 | 1.01 | MM |
| 2 | 190628K2_2 | 1.00 | 1.03 | NO | 29.44 | 1.001 | 1.74e4 | 1.57e6 | 1.00 | 0.3 | 1.11 | db |
| 3 | 190628K2_3 | 2.50 | 1.06 | NO | 29.44 | 1.001 | 4.19e4 | 1.54e6 | 2.46 | -1.5 | 1.09 | db |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 29.44 | 1.001 | 8.45e6 | 1.79e6 | 427 | 6.7 | 1.18 | db |
| 5 | 190628K2_5 | 1000 | 1.04 | NO | 29.44 | 1.001 | 2.27e7 | 1.86e6 | 1100 | 10.2 | 1.22 | db |
| 6 | 190628K2_6 | 50.0 | 1.03 | NO | 29.44 | 1.001 | 8.56e5 | 1.67e6 | 46.4 | -7.3 | 1.03 | db |

Compound name: PCB-20/21/33

Response Factor: 1.00346

RRF SD: 0.0927839, Relative SD: 9.24643

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.750 | 1.06 | NO | 30.08 | 1.023 | 1.08e4 | 1.52e6 | 0.706 | -5.9 | 0.944 | bb |
| 2 | 190628K2_2 | 3.00 | 1.08 | NO | 30.08 | 1.022 | 4.39e4 | 1.57e6 | 2.79 | -7.1 | 0.932 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-20/21/33

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 7.50 | 1.07 | NO | 30.08 | 1.022 | 1.09e5 | 1.54e6 | 7.07 | -5.8 | 0.945 | MM |
| 4 | 190628K2_4 | 1200 | 1.04 | NO | 30.08 | 1.022 | 2.37e7 | 1.79e6 | 1320 | 9.7 | 1.10 | bb |
| 5 | 190628K2_5 | 3000 | 1.04 | NO | 30.08 | 1.022 | 6.38e7 | 1.86e6 | 3410 | 13.8 | 1.14 | bb |
| 6 | 190628K2_6 | 150 | 1.03 | NO | 30.08 | 1.023 | 2.39e6 | 1.67e6 | 143 | -4.7 | 0.956 | bb |

Compound name: PCB-22

Response Factor: 1.03295

RRF SD: 0.101221, Relative SD: 9.79924

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.93 | NO | 30.54 | 1.039 | 3.49e3 | 1.52e6 | 0.221 | -11.4 | 0.915 | MM |
| 2 | 190628K2_2 | 1.00 | 1.07 | NO | 30.54 | 1.038 | 1.53e4 | 1.57e6 | 0.944 | -5.6 | 0.975 | bb |
| 3 | 190628K2_3 | 2.50 | 1.02 | NO | 30.54 | 1.038 | 3.75e4 | 1.54e6 | 2.36 | -5.5 | 0.976 | MM |
| 4 | 190628K2_4 | 400 | 1.03 | NO | 30.54 | 1.038 | 8.17e6 | 1.79e6 | 442 | 10.4 | 1.14 | bb |
| 5 | 190628K2_5 | 1000 | 1.05 | NO | 30.54 | 1.038 | 2.18e7 | 1.86e6 | 1130 | 13.3 | 1.17 | bb |
| 6 | 190628K2_6 | 50.0 | 1.05 | NO | 30.54 | 1.039 | 8.52e5 | 1.67e6 | 49.4 | -1.1 | 1.02 | bb |

Compound name: PCB-36

Response Factor: 1.17712

RRF SD: 0.0727198, Relative SD: 6.17776

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.08 | NO | 31.18 | 0.933 | 4.28e3 | 1.43e6 | 0.254 | 1.5 | 1.19 | MM |
| 2 | 190628K2_2 | 1.00 | 0.97 | NO | 31.18 | 0.932 | 1.46e4 | 1.38e6 | 0.898 | -10.2 | 1.06 | bb |
| 3 | 190628K2_3 | 2.50 | 0.99 | NO | 31.18 | 0.932 | 3.73e4 | 1.33e6 | 2.39 | -4.4 | 1.13 | MM |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 31.18 | 0.933 | 8.21e6 | 1.67e6 | 419 | 4.7 | 1.23 | bb |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 31.18 | 0.933 | 2.20e7 | 1.76e6 | 1060 | 6.2 | 1.25 | MM |
| 6 | 190628K2_6 | 50.0 | 1.03 | NO | 31.18 | 0.933 | 8.45e5 | 1.40e6 | 51.1 | 2.3 | 1.20 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-39

Response Factor: 1.08448

RRF SD: 0.0705883, Relative SD: 6.50897

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.10 | NO | 31.66 | 0.947 | 3.55e3 | 1.43e6 | 0.228 | -8.7 | 0.990 | bb |
| 2 | 190628K2_2 | 1.00 | 1.01 | NO | 31.68 | 0.947 | 1.45e4 | 1.38e6 | 0.965 | -3.5 | 1.05 | bb |
| 3 | 190628K2_3 | 2.50 | 1.08 | NO | 31.68 | 0.947 | 3.44e4 | 1.33e6 | 2.39 | -4.5 | 1.04 | MM |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 31.66 | 0.947 | 7.60e6 | 1.67e6 | 421 | 5.2 | 1.14 | bb |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 31.66 | 0.947 | 2.06e7 | 1.76e6 | 1080 | 8.0 | 1.17 | MM |
| 6 | 190628K2_6 | 50.0 | 1.03 | NO | 31.66 | 0.947 | 7.88e5 | 1.40e6 | 51.8 | 3.5 | 1.12 | MM |

Compound name: PCB-38

Response Factor: 1.1287

RRF SD: 0.110832, Relative SD: 9.81944

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.98 | NO | 32.46 | 0.971 | 3.29e3 | 1.43e6 | 0.203 | -18.6 | 0.919 | MM |
| 2 | 190628K2_2 | 1.00 | 1.07 | NO | 32.48 | 0.971 | 1.55e4 | 1.38e6 | 0.991 | -0.9 | 1.12 | MM |
| 3 | 190628K2_3 | 2.50 | 1.08 | NO | 32.48 | 0.971 | 3.76e4 | 1.33e6 | 2.51 | 0.4 | 1.13 | dd |
| 4 | 190628K2_4 | 400 | 1.05 | NO | 32.46 | 0.971 | 8.05e6 | 1.67e6 | 428 | 7.0 | 1.21 | dd |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 32.46 | 0.971 | 2.16e7 | 1.76e6 | 1090 | 8.6 | 1.23 | bd |
| 6 | 190628K2_6 | 50.0 | 1.04 | NO | 32.46 | 0.971 | 8.20e5 | 1.40e6 | 51.8 | 3.5 | 1.17 | MM |

Compound name: PCB-35

Response Factor: 1.13247

RRF SD: 0.0972119, Relative SD: 8.58404

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.03 | NO | 33.00 | 0.987 | 3.61e3 | 1.43e6 | 0.222 | -11.0 | 1.01 | MM |
| 2 | 190628K2_2 | 1.00 | 1.00 | NO | 33.02 | 0.987 | 1.44e4 | 1.38e6 | 0.922 | -7.8 | 1.04 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-35

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 190628K2_3 | 2.50 | 1.10 | NO | 33.02 | 0.987 | 3.72e4 | 1.33e6 | 2.48 | -0.9 | 1.12 | MM |
| 190628K2_4 | 400 | 1.04 | NO | 33.00 | 0.987 | 8.16e6 | 1.67e6 | 433 | 8.2 | 1.23 | db |
| 190628K2_5 | 1000 | 1.03 | NO | 33.00 | 0.987 | 2.21e7 | 1.76e6 | 1110 | 10.9 | 1.26 | MM |
| 190628K2_6 | 50.0 | 1.03 | NO | 33.00 | 0.987 | 8.00e5 | 1.40e6 | 50.3 | 0.7 | 1.14 | MM |

Compound name: PCB-37

Response Factor: 1.10639
 RRF SD: 0.0811027, Relative SD: 7.33041
 Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)
 Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 190628K2_1 | 0.250 | 1.18 | NO | 33.45 | 1.001 | 3.59e3 | 1.43e6 | 0.226 | -9.5 | 1.00 | MM |
| 190628K2_2 | 1.00 | 1.05 | NO | 33.47 | 1.001 | 1.43e4 | 1.38e6 | 0.934 | -6.6 | 1.03 | MM |
| 190628K2_3 | 2.50 | 1.01 | NO | 33.46 | 1.001 | 3.61e4 | 1.33e6 | 2.46 | -1.6 | 1.09 | MM |
| 190628K2_4 | 400 | 1.03 | NO | 33.45 | 1.001 | 7.82e6 | 1.67e6 | 424 | 6.1 | 1.17 | MM |
| 190628K2_5 | 1000 | 1.02 | NO | 33.47 | 1.001 | 2.13e7 | 1.76e6 | 1100 | 9.6 | 1.21 | MM |
| 190628K2_6 | 50.0 | 1.03 | NO | 33.45 | 1.000 | 7.92e5 | 1.40e6 | 51.0 | 2.0 | 1.13 | MM |

Compound name: PCB-54

Response Factor: 0.995679
 RRF SD: 0.0664001, Relative SD: 6.66883
 Response type: Internal Std (Ref 178), Area * (IS Conc. / IS Area)
 Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 190628K2_1 | 0.250 | 0.79 | NO | 28.27 | 1.001 | 3.20e3 | 1.40e6 | 0.229 | -8.4 | 0.912 | bb |
| 190628K2_2 | 1.00 | 0.74 | NO | 28.29 | 1.001 | 1.27e4 | 1.36e6 | 0.936 | -6.4 | 0.932 | bb |
| 190628K2_3 | 2.50 | 0.79 | NO | 28.29 | 1.001 | 3.24e4 | 1.32e6 | 2.47 | -1.1 | 0.984 | bb |
| 190628K2_4 | 400 | 0.74 | NO | 28.27 | 1.001 | 6.68e6 | 1.58e6 | 424 | 5.9 | 1.05 | bb |
| 190628K2_5 | 1000 | 0.74 | NO | 28.27 | 1.001 | 1.74e7 | 1.61e6 | 1080 | 8.4 | 1.08 | bb |
| 190628K2_6 | 50.0 | 0.73 | NO | 28.27 | 1.001 | 6.93e5 | 1.37e6 | 50.8 | 1.7 | 1.01 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-50

Response Factor: 0.781202

RRF SD: 0.0775047, Relative SD: 9.92121

Response type: Internal Std (Ref 178), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.66 | NO | 29.48 | 1.043 | 2.28e3 | 1.40e6 | 0.208 | -16.8 | 0.650 | MM |
| 2 | 190628K2_2 | 1.00 | 0.68 | NO | 29.50 | 1.044 | 1.05e4 | 1.36e6 | 0.989 | -1.1 | 0.773 | bb |
| 3 | 190628K2_3 | 2.50 | 0.67 | NO | 29.50 | 1.044 | 2.49e4 | 1.32e6 | 2.42 | -3.3 | 0.756 | bb |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 29.48 | 1.043 | 5.33e6 | 1.58e6 | 431 | 7.6 | 0.841 | bb |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 29.48 | 1.043 | 1.41e7 | 1.61e6 | 1120 | 11.8 | 0.873 | bb |
| 6 | 190628K2_6 | 50.0 | 0.73 | NO | 29.48 | 1.043 | 5.43e5 | 1.37e6 | 50.8 | 1.6 | 0.794 | bb |

Compound name: PCB-53

Response Factor: 0.955008

RRF SD: 0.0614164, Relative SD: 6.43098

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.73 | NO | 30.15 | 0.945 | 2.37e3 | 1.07e6 | 0.232 | -7.3 | 0.885 | bb |
| 2 | 190628K2_2 | 1.00 | 0.76 | NO | 30.17 | 0.945 | 9.52e3 | 1.04e6 | 0.959 | -4.1 | 0.916 | bb |
| 3 | 190628K2_3 | 2.50 | 0.68 | NO | 30.17 | 0.945 | 2.32e4 | 1.02e6 | 2.39 | -4.2 | 0.915 | bb |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 30.15 | 0.945 | 4.94e6 | 1.23e6 | 420 | 4.9 | 1.00 | bb |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 30.15 | 0.945 | 1.31e7 | 1.25e6 | 1100 | 9.6 | 1.05 | bb |
| 6 | 190628K2_6 | 50.0 | 0.74 | NO | 30.15 | 0.945 | 5.05e5 | 1.05e6 | 50.5 | 1.1 | 0.965 | bb |

Compound name: PCB-51

Response Factor: 1.02351

RRF SD: 0.0633167, Relative SD: 6.18623

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.66 | NO | 30.51 | 0.956 | 2.48e3 | 1.07e6 | 0.227 | -9.4 | 0.927 | MM |
| 2 | 190628K2_2 | 1.00 | 0.66 | NO | 30.52 | 0.956 | 1.04e4 | 1.04e6 | 0.981 | -1.9 | 1.00 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-51

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 0.67 | NO | 30.52 | 0.956 | 2.52e4 | 1.02e6 | 2.42 | -3.1 | 0.992 | bb |
| 4 | 190628K2_4 | 400 | 0.73 | NO | 30.51 | 0.956 | 5.22e6 | 1.23e6 | 413 | 3.4 | 1.06 | bb |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 30.51 | 0.956 | 1.39e7 | 1.25e6 | 1090 | 8.5 | 1.11 | bb |
| 6 | 190628K2_6 | 50.0 | 0.74 | NO | 30.51 | 0.956 | 5.49e5 | 1.05e6 | 51.2 | 2.5 | 1.05 | bb |

Compound name: PCB-45

Response Factor: 0.807911

RRF SD: 0.0407904, Relative SD: 5.04887

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.66 | NO | 30.95 | 0.970 | 2.12e3 | 1.07e6 | 0.245 | -2.1 | 0.791 | MM |
| 2 | 190628K2_2 | 1.00 | 0.73 | NO | 30.97 | 0.970 | 7.77e3 | 1.04e6 | 0.925 | -7.5 | 0.748 | bb |
| 3 | 190628K2_3 | 2.50 | 0.75 | NO | 30.97 | 0.970 | 2.00e4 | 1.02e6 | 2.44 | -2.5 | 0.788 | bb |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 30.95 | 0.970 | 4.13e6 | 1.23e6 | 415 | 3.7 | 0.838 | bb |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 30.95 | 0.970 | 1.08e7 | 1.25e6 | 1070 | 6.6 | 0.862 | bb |
| 6 | 190628K2_6 | 50.0 | 0.73 | NO | 30.95 | 0.970 | 4.30e5 | 1.05e6 | 50.9 | 1.7 | 0.822 | bb |

Compound name: PCB-46

Response Factor: 0.753501

RRF SD: 0.0632692, Relative SD: 8.39669

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.75 | NO | 31.45 | 0.985 | 1.71e3 | 1.07e6 | 0.212 | -15.4 | 0.637 | bb |
| 2 | 190628K2_2 | 1.00 | 0.73 | NO | 31.47 | 0.985 | 7.76e3 | 1.04e6 | 0.991 | -0.9 | 0.746 | bb |
| 3 | 190628K2_3 | 2.50 | 0.75 | NO | 31.47 | 0.985 | 1.90e4 | 1.02e6 | 2.49 | -0.6 | 0.749 | bb |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 31.47 | 0.986 | 3.91e6 | 1.23e6 | 421 | 5.3 | 0.794 | bb |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 31.47 | 0.986 | 1.02e7 | 1.25e6 | 1090 | 8.9 | 0.820 | bb |
| 6 | 190628K2_6 | 50.0 | 0.72 | NO | 31.45 | 0.985 | 4.05e5 | 1.05e6 | 51.4 | 2.7 | 0.774 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-52/69

Response Factor: 1.09173

RRF SD: 0.0899407, Relative SD: 8.23834

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.75 | NO | 31.96 | 1.001 | 5.35e3 | 1.07e6 | 0.458 | -8.5 | 0.999 | bd |
| 2 | 190628K2_2 | 2.00 | 0.77 | NO | 31.98 | 1.001 | 2.09e4 | 1.04e6 | 1.84 | -7.9 | 1.01 | bd |
| 3 | 190628K2_3 | 5.00 | 0.71 | NO | 31.98 | 1.001 | 5.25e4 | 1.02e6 | 4.73 | -5.3 | 1.03 | bd |
| 4 | 190628K2_4 | 800 | 0.74 | NO | 31.96 | 1.001 | 1.15e7 | 1.23e6 | 852 | 6.5 | 1.16 | bd |
| 5 | 190628K2_5 | 2000 | 0.73 | NO | 31.96 | 1.001 | 3.02e7 | 1.25e6 | 2210 | 10.7 | 1.21 | bd |
| 6 | 190628K2_6 | 100 | 0.73 | NO | 31.96 | 1.001 | 1.19e6 | 1.05e6 | 105 | 4.6 | 1.14 | MM |

Compound name: PCB-73

Response Factor: 1.2893

RRF SD: 0.068651, Relative SD: 5.32466

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.73 | NO | 32.07 | 1.005 | 3.17e3 | 1.07e6 | 0.230 | -8.0 | 1.19 | dd |
| 2 | 190628K2_2 | 1.00 | 0.73 | NO | 32.09 | 1.005 | 1.32e4 | 1.04e6 | 0.985 | -1.5 | 1.27 | dd |
| 3 | 190628K2_3 | 2.50 | 0.72 | NO | 32.09 | 1.005 | 3.30e4 | 1.02e6 | 2.52 | 0.8 | 1.30 | dd |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 32.09 | 1.005 | 6.50e6 | 1.23e6 | 409 | 2.3 | 1.32 | dd |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 32.09 | 1.005 | 1.74e7 | 1.25e6 | 1080 | 8.1 | 1.39 | dd |
| 6 | 190628K2_6 | 50.0 | 0.73 | NO | 32.07 | 1.005 | 6.64e5 | 1.05e6 | 49.2 | -1.7 | 1.27 | dd |

Compound name: PCB-43/49

Response Factor: 0.940031

RRF SD: 0.058647, Relative SD: 6.23884

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.67 | NO | 32.26 | 1.010 | 4.70e3 | 1.07e6 | 0.467 | -6.6 | 0.878 | MM |
| 2 | 190628K2_2 | 2.00 | 0.68 | NO | 32.26 | 1.010 | 1.87e4 | 1.04e6 | 1.91 | -4.4 | 0.899 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-43/49

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 5.00 | 0.73 | NO | 32.26 | 1.010 | 4.56e4 | 1.02e6 | 4.78 | -4.5 | 0.898 | dd |
| 4 | 190628K2_4 | 800 | 0.73 | NO | 32.26 | 1.010 | 9.70e6 | 1.23e6 | 837 | 4.6 | 0.984 | dd |
| 5 | 190628K2_5 | 2000 | 0.72 | NO | 32.26 | 1.010 | 2.57e7 | 1.25e6 | 2190 | 9.4 | 1.03 | db |
| 6 | 190628K2_6 | 100 | 0.73 | NO | 32.26 | 1.010 | 9.97e5 | 1.05e6 | 101 | 1.3 | 0.953 | dd |

Compound name: PCB-47

Response Factor: 0.868678

RRF SD: 0.0634962, Relative SD: 7.30951

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.67 | NO | 32.48 | 1.001 | 2.51e3 | 1.14e6 | 0.254 | 1.6 | 0.882 | MM |
| 2 | 190628K2_2 | 1.00 | 0.69 | NO | 32.48 | 1.001 | 8.63e3 | 1.09e6 | 0.910 | -9.0 | 0.791 | dd |
| 3 | 190628K2_3 | 2.50 | 0.73 | NO | 32.48 | 1.001 | 2.07e4 | 1.05e6 | 2.26 | -9.4 | 0.787 | dd |
| 4 | 190628K2_4 | 400 | 0.73 | NO | 32.46 | 1.001 | 4.78e6 | 1.31e6 | 422 | 5.5 | 0.916 | dd |
| 5 | 190628K2_5 | 1000 | 0.71 | NO | 32.48 | 1.001 | 1.26e7 | 1.37e6 | 1060 | 6.1 | 0.922 | bd |
| 6 | 190628K2_6 | 50.0 | 0.72 | NO | 32.46 | 1.001 | 5.03e5 | 1.10e6 | 52.6 | 5.3 | 0.914 | dd |

Compound name: PCB-48/75

Response Factor: 1.02436

RRF SD: 0.066255, Relative SD: 6.46797

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.69 | NO | 32.57 | 1.004 | 5.30e3 | 1.14e6 | 0.454 | -9.2 | 0.931 | MM |
| 2 | 190628K2_2 | 2.00 | 0.71 | NO | 32.59 | 1.004 | 2.10e4 | 1.09e6 | 1.88 | -6.1 | 0.962 | db |
| 3 | 190628K2_3 | 5.00 | 0.70 | NO | 32.59 | 1.004 | 5.45e4 | 1.05e6 | 5.07 | 1.3 | 1.04 | db |
| 4 | 190628K2_4 | 800 | 0.73 | NO | 32.59 | 1.005 | 1.13e7 | 1.31e6 | 844 | 5.5 | 1.08 | db |
| 5 | 190628K2_5 | 2000 | 0.73 | NO | 32.59 | 1.005 | 3.01e7 | 1.37e6 | 2150 | 7.4 | 1.10 | db |
| 6 | 190628K2_6 | 100 | 0.73 | NO | 32.57 | 1.004 | 1.14e6 | 1.10e6 | 101 | 0.9 | 1.03 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-65

Response Factor: 1.10841

RRF SD: 0.0667228, Relative SD: 6.01968

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.75 | NO | 32.85 | 1.013 | 2.77e3 | 1.14e6 | 0.220 | -12.1 | 0.975 | bd |
| 2 | 190628K2_2 | 1.00 | 0.76 | NO | 32.87 | 1.013 | 1.22e4 | 1.09e6 | 1.00 | 0.5 | 1.11 | bd |
| 3 | 190628K2_3 | 2.50 | 0.71 | NO | 32.87 | 1.013 | 3.00e4 | 1.05e6 | 2.57 | 2.9 | 1.14 | bd |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 32.85 | 1.013 | 5.93e6 | 1.31e6 | 410 | 2.5 | 1.14 | bd |
| 5 | 190628K2_5 | 1000 | 0.74 | NO | 32.87 | 1.013 | 1.55e7 | 1.37e6 | 1020 | 2.2 | 1.13 | bd |
| 6 | 190628K2_6 | 50.0 | 0.72 | NO | 32.85 | 1.013 | 6.33e5 | 1.10e6 | 51.9 | 3.9 | 1.15 | bd |

Compound name: PCB-62

Response Factor: 1.06501

RRF SD: 0.0827847, Relative SD: 7.77311

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.78 | NO | 32.96 | 1.016 | 2.82e3 | 1.14e6 | 0.233 | -7.0 | 0.991 | dd |
| 2 | 190628K2_2 | 1.00 | 0.77 | NO | 32.98 | 1.016 | 1.11e4 | 1.09e6 | 0.953 | -4.7 | 1.01 | db |
| 3 | 190628K2_3 | 2.50 | 0.74 | NO | 32.98 | 1.016 | 2.56e4 | 1.05e6 | 2.29 | -8.3 | 0.977 | dd |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 32.96 | 1.016 | 5.99e6 | 1.31e6 | 431 | 7.8 | 1.15 | dd |
| 5 | 190628K2_5 | 1000 | 0.74 | NO | 32.96 | 1.016 | 1.60e7 | 1.37e6 | 1100 | 9.8 | 1.17 | dd |
| 6 | 190628K2_6 | 50.0 | 0.73 | NO | 32.96 | 1.016 | 5.99e5 | 1.10e6 | 51.2 | 2.3 | 1.09 | dd |

Compound name: PCB-44

Response Factor: 0.760908

RRF SD: 0.0302402, Relative SD: 3.97423

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.88 | NO | 33.30 | 1.026 | 2.12e3 | 1.14e6 | 0.244 | -2.3 | 0.743 | MM |
| 2 | 190628K2_2 | 1.00 | 0.72 | NO | 33.30 | 1.026 | 7.80e3 | 1.09e6 | 0.940 | -6.0 | 0.715 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-44

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 0.75 | NO | 33.30 | 1.026 | 1.97e4 | 1.05e6 | 2.47 | -1.2 | 0.751 | db |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 33.30 | 1.026 | 4.10e6 | 1.31e6 | 413 | 3.2 | 0.785 | dd |
| 5 | 190628K2_5 | 1000 | 0.74 | NO | 33.30 | 1.026 | 1.09e7 | 1.37e6 | 1050 | 4.8 | 0.797 | dd |
| 6 | 190628K2_6 | 50.0 | 0.73 | NO | 33.28 | 1.026 | 4.25e5 | 1.10e6 | 50.8 | 1.6 | 0.773 | db |

Compound name: PCB-42/59

Response Factor: 0.960007

RRF SD: 0.0903412, Relative SD: 9.41048

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.75 | NO | 33.52 | 1.033 | 4.53e3 | 1.14e6 | 0.414 | -17.2 | 0.795 | db |
| 2 | 190628K2_2 | 2.00 | 0.73 | NO | 33.54 | 1.033 | 2.05e4 | 1.09e6 | 1.96 | -2.0 | 0.941 | bb |
| 3 | 190628K2_3 | 5.00 | 0.71 | NO | 33.54 | 1.033 | 5.05e4 | 1.05e6 | 5.01 | 0.2 | 0.962 | bb |
| 4 | 190628K2_4 | 800 | 0.74 | NO | 33.52 | 1.033 | 1.07e7 | 1.31e6 | 855 | 6.8 | 1.03 | db |
| 5 | 190628K2_5 | 2000 | 0.73 | NO | 33.52 | 1.033 | 2.87e7 | 1.37e6 | 2190 | 9.4 | 1.05 | db |
| 6 | 190628K2_6 | 100 | 0.72 | NO | 33.52 | 1.033 | 1.08e6 | 1.10e6 | 103 | 2.7 | 0.986 | bb |

Compound name: PCB-41/64/71/72

Response Factor: 1.08179

RRF SD: 0.0879965, Relative SD: 8.13432

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 1.00 | 0.76 | NO | 34.13 | 1.052 | 1.07e4 | 1.14e6 | 0.871 | -12.9 | 0.942 | bd |
| 2 | 190628K2_2 | 4.00 | 0.74 | NO | 34.13 | 1.052 | 4.46e4 | 1.09e6 | 3.78 | -5.5 | 1.02 | bd |
| 3 | 190628K2_3 | 10.0 | 0.73 | NO | 34.13 | 1.052 | 1.14e5 | 1.05e6 | 10.0 | 0.1 | 1.08 | bd |
| 4 | 190628K2_4 | 1600 | 0.74 | NO | 34.13 | 1.052 | 2.42e7 | 1.31e6 | 1710 | 6.9 | 1.16 | bb |
| 5 | 190628K2_5 | 4000 | 0.73 | NO | 34.13 | 1.052 | 6.44e7 | 1.37e6 | 4360 | 9.0 | 1.18 | bb |
| 6 | 190628K2_6 | 200 | 0.74 | NO | 34.13 | 1.052 | 2.44e6 | 1.10e6 | 205 | 2.5 | 1.11 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-68

Response Factor: 1.10853

RRF SD: 0.0810855, Relative SD: 7.31468

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 190628K2_1 | 0.250 | 0.71 | NO | 34.40 | 1.060 | 2.79e3 | 1.14e6 | 0.221 | -11.5 | 0.981 | MM |
| 190628K2_2 | 1.00 | 0.76 | NO | 34.41 | 1.060 | 1.17e4 | 1.09e6 | 0.966 | -3.4 | 1.07 | dd |
| 190628K2_3 | 2.50 | 0.71 | NO | 34.41 | 1.060 | 2.81e4 | 1.05e6 | 2.42 | -3.3 | 1.07 | dd |
| 190628K2_4 | 400 | 0.73 | NO | 34.40 | 1.060 | 6.17e6 | 1.31e6 | 426 | 6.6 | 1.18 | bd |
| 190628K2_5 | 1000 | 0.74 | NO | 34.40 | 1.060 | 1.62e7 | 1.37e6 | 1070 | 6.9 | 1.18 | bd |
| 190628K2_6 | 50.0 | 0.73 | NO | 34.40 | 1.060 | 6.38e5 | 1.10e6 | 52.4 | 4.7 | 1.16 | dd |

Compound name: PCB-40

Response Factor: 0.576632

RRF SD: 0.0227461, Relative SD: 3.94465

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 190628K2_1 | 0.250 | 0.70 | NO | 34.62 | 1.067 | 1.69e3 | 1.14e6 | 0.257 | 2.7 | 0.592 | MM |
| 190628K2_2 | 1.00 | 0.68 | NO | 34.64 | 1.067 | 5.79e3 | 1.09e6 | 0.921 | -7.9 | 0.531 | db |
| 190628K2_3 | 2.50 | 0.74 | NO | 34.64 | 1.067 | 1.52e4 | 1.05e6 | 2.51 | 0.4 | 0.579 | db |
| 190628K2_4 | 400 | 0.73 | NO | 34.62 | 1.067 | 3.06e6 | 1.31e6 | 406 | 1.5 | 0.585 | db |
| 190628K2_5 | 1000 | 0.74 | NO | 34.62 | 1.067 | 8.01e6 | 1.37e6 | 1020 | 1.6 | 0.586 | db |
| 190628K2_6 | 50.0 | 0.73 | NO | 34.62 | 1.067 | 3.22e5 | 1.10e6 | 50.8 | 1.7 | 0.586 | db |

Compound name: PCB-57

Response Factor: 1.04788

RRF SD: 0.0809961, Relative SD: 7.72955

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 |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 190628K2_1 | 0.250 | 0.71 | NO | 34.99 | 0.970 | 2.89e3 | 1.27e6 | 0.217 | -13.0 | 0.911 | bb |
| 190628K2_2 | 1.00 | 0.75 | NO | 35.01 | 0.970 | 1.23e4 | 1.22e6 | 0.962 | -3.8 | 1.01 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-57

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 190628K2_3 | 2.50 | 0.73 | NO | 35.01 | 0.970 | 3.06e4 | 1.18e6 | 2.47 | -1.3 | 1.03 | bb |
| 4 190628K2_4 | 400 | 0.74 | NO | 34.99 | 0.970 | 6.57e6 | 1.49e6 | 420 | 5.1 | 1.10 | bb |
| 5 190628K2_5 | 1000 | 0.74 | NO | 34.99 | 0.970 | 1.77e7 | 1.56e6 | 1080 | 7.8 | 1.13 | bb |
| 6 190628K2_6 | 50.0 | 0.72 | NO | 34.99 | 0.970 | 6.82e5 | 1.24e6 | 52.6 | 5.2 | 1.10 | bb |

Compound name: PCB-67

Response Factor: 0.992916

RRF SD: 0.0717571, Relative SD: 7.2269

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 |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 190628K2_1 | 0.250 | 0.66 | NO | 35.31 | 0.978 | 2.75e3 | 1.27e6 | 0.218 | -12.6 | 0.868 | bd |
| 2 190628K2_2 | 1.00 | 0.77 | NO | 35.33 | 0.979 | 1.20e4 | 1.22e6 | 0.993 | -0.7 | 0.986 | bd |
| 3 190628K2_3 | 2.50 | 0.74 | NO | 35.33 | 0.978 | 2.97e4 | 1.18e6 | 2.52 | 1.0 | 1.00 | bd |
| 4 190628K2_4 | 400 | 0.73 | NO | 35.31 | 0.978 | 6.00e6 | 1.49e6 | 405 | 1.2 | 1.00 | bd |
| 5 190628K2_5 | 1000 | 0.73 | NO | 35.31 | 0.978 | 1.71e7 | 1.56e6 | 1100 | 9.9 | 1.09 | bd |
| 6 190628K2_6 | 50.0 | 0.72 | NO | 35.31 | 0.978 | 6.21e5 | 1.24e6 | 50.6 | 1.2 | 1.00 | bd |

Compound name: PCB-58

Response Factor: 1.11217

RRF SD: 0.0467973, Relative SD: 4.20775

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 |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 190628K2_1 | 0.250 | 0.67 | NO | 35.44 | 0.982 | 3.49e3 | 1.27e6 | 0.248 | -1.0 | 1.10 | MM |
| 2 190628K2_2 | 1.00 | 0.70 | NO | 35.44 | 0.982 | 1.25e4 | 1.22e6 | 0.925 | -7.5 | 1.03 | dd |
| 3 190628K2_3 | 2.50 | 0.71 | NO | 35.44 | 0.981 | 3.31e4 | 1.18e6 | 2.51 | 0.5 | 1.12 | dd |
| 4 190628K2_4 | 400 | 0.74 | NO | 35.44 | 0.982 | 6.93e6 | 1.49e6 | 418 | 4.5 | 1.16 | dd |
| 5 190628K2_5 | 1000 | 0.74 | NO | 35.44 | 0.982 | 1.74e7 | 1.56e6 | 1000 | 0.2 | 1.11 | dd |
| 6 190628K2_6 | 50.0 | 0.74 | NO | 35.44 | 0.982 | 7.10e5 | 1.24e6 | 51.6 | 3.2 | 1.15 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-63

Response Factor: 0.961792

RRF SD: 0.0723112, Relative SD: 7.51838

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.68 | NO | 35.59 | 0.986 | 2.72e3 | 1.27e6 | 0.224 | -10.6 | 0.860 | MM |
| 2 | 190628K2_2 | 1.00 | 0.70 | NO | 35.60 | 0.987 | 1.09e4 | 1.22e6 | 0.934 | -6.6 | 0.898 | db |
| 3 | 190628K2_3 | 2.50 | 0.74 | NO | 35.60 | 0.986 | 2.79e4 | 1.18e6 | 2.45 | -1.9 | 0.944 | dd |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 35.59 | 0.986 | 6.04e6 | 1.49e6 | 421 | 5.2 | 1.01 | db |
| 5 | 190628K2_5 | 1000 | 0.74 | NO | 35.59 | 0.986 | 1.61e7 | 1.56e6 | 1070 | 7.4 | 1.03 | db |
| 6 | 190628K2_6 | 50.0 | 0.72 | NO | 35.59 | 0.986 | 6.33e5 | 1.24e6 | 53.2 | 6.4 | 1.02 | db |

Compound name: PCB-74

Response Factor: 1.06583

RRF SD: 0.0816242, Relative SD: 7.65827

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.71 | NO | 35.90 | 0.995 | 3.13e3 | 1.27e6 | 0.232 | -7.3 | 0.988 | bd |
| 2 | 190628K2_2 | 1.00 | 0.83 | NO | 35.90 | 0.995 | 1.15e4 | 1.22e6 | 0.886 | -11.4 | 0.944 | MM |
| 3 | 190628K2_3 | 2.50 | 0.76 | NO | 35.90 | 0.994 | 3.22e4 | 1.18e6 | 2.55 | 1.9 | 1.09 | dd |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 35.88 | 0.994 | 6.70e6 | 1.49e6 | 422 | 5.4 | 1.12 | bd |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 35.88 | 0.994 | 1.80e7 | 1.56e6 | 1080 | 8.2 | 1.15 | bd |
| 6 | 190628K2_6 | 50.0 | 0.74 | NO | 35.88 | 0.994 | 6.80e5 | 1.24e6 | 51.6 | 3.2 | 1.10 | bd |

Compound name: PCB-61/70

Response Factor: 0.985643

RRF SD: 0.056601, Relative SD: 5.74254

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.81 | NO | 36.11 | 1.000 | 5.61e3 | 1.27e6 | 0.449 | -10.1 | 0.886 | MM |
| 2 | 190628K2_2 | 2.00 | 0.72 | NO | 36.13 | 1.001 | 2.35e4 | 1.22e6 | 1.95 | -2.3 | 0.963 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-61/70

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 5.00 | 0.73 | NO | 36.13 | 1.001 | 5.82e4 | 1.18e6 | 4.99 | -0.3 | 0.983 | MM |
| 4 | 190628K2_4 | 800 | 0.74 | NO | 36.03 | 0.998 | 1.22e7 | 1.49e6 | 831 | 3.9 | 1.02 | MM |
| 5 | 190628K2_5 | 2000 | 0.74 | NO | 36.03 | 0.998 | 3.26e7 | 1.56e6 | 2110 | 5.7 | 1.04 | MM |
| 6 | 190628K2_6 | 100 | 0.74 | NO | 36.11 | 1.000 | 1.26e6 | 1.24e6 | 103 | 3.1 | 1.02 | MM |

Compound name: PCB-76/66

Response Factor: 1.0661

RRF SD: 0.0763356, Relative SD: 7.16024

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.83 | NO | 36.33 | 1.007 | 6.00e3 | 1.27e6 | 0.444 | -11.1 | 0.948 | MM |
| 2 | 190628K2_2 | 2.00 | 0.73 | NO | 36.29 | 1.006 | 2.50e4 | 1.22e6 | 1.92 | -3.9 | 1.02 | dd |
| 3 | 190628K2_3 | 5.00 | 0.76 | NO | 36.28 | 1.005 | 6.17e4 | 1.18e6 | 4.89 | -2.2 | 1.04 | dd |
| 4 | 190628K2_4 | 800 | 0.74 | NO | 36.31 | 1.006 | 1.34e7 | 1.49e6 | 845 | 5.6 | 1.13 | dd |
| 5 | 190628K2_5 | 2000 | 0.73 | NO | 36.31 | 1.006 | 3.61e7 | 1.56e6 | 2170 | 8.4 | 1.16 | dd |
| 6 | 190628K2_6 | 100 | 0.74 | NO | 36.28 | 1.005 | 1.36e6 | 1.24e6 | 103 | 3.2 | 1.10 | dd |

Compound name: PCB-80

Response Factor: 1.08392

RRF SD: 0.0649364, Relative SD: 5.99086

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.75 | NO | 36.55 | 1.000 | 3.23e3 | 1.31e6 | 0.227 | -9.3 | 0.983 | dd |
| 2 | 190628K2_2 | 1.00 | 0.68 | NO | 36.55 | 1.001 | 1.33e4 | 1.25e6 | 0.981 | -1.9 | 1.06 | db |
| 3 | 190628K2_3 | 2.50 | 0.76 | NO | 36.55 | 1.001 | 3.26e4 | 1.23e6 | 2.44 | -2.5 | 1.06 | dd |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 36.55 | 1.001 | 6.98e6 | 1.53e6 | 420 | 4.9 | 1.14 | db |
| 5 | 190628K2_5 | 1000 | 0.74 | NO | 36.55 | 1.000 | 1.88e7 | 1.61e6 | 1080 | 7.6 | 1.17 | db |
| 6 | 190628K2_6 | 50.0 | 0.75 | NO | 36.53 | 1.000 | 7.20e5 | 1.31e6 | 50.6 | 1.2 | 1.10 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-55

Response Factor: 1.06819

RRF SD: 0.100229, Relative SD: 9.38306

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.86 | NO | 36.89 | 1.010 | 3.03e3 | 1.31e6 | 0.216 | -13.6 | 0.922 | MM |
| 2 | 190628K2_2 | 1.00 | 0.72 | NO | 36.89 | 1.010 | 1.26e4 | 1.25e6 | 0.939 | -6.1 | 1.00 | MM |
| 3 | 190628K2_3 | 2.50 | 0.77 | NO | 36.89 | 1.010 | 3.19e4 | 1.23e6 | 2.42 | -3.1 | 1.04 | dd |
| 4 | 190628K2_4 | 400 | 0.73 | NO | 36.87 | 1.010 | 7.08e6 | 1.53e6 | 432 | 8.1 | 1.15 | bb |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 36.87 | 1.009 | 1.92e7 | 1.61e6 | 1120 | 11.5 | 1.19 | bb |
| 6 | 190628K2_6 | 50.0 | 0.75 | NO | 36.87 | 1.010 | 7.23e5 | 1.31e6 | 51.6 | 3.2 | 1.10 | dd |

Compound name: PCB-56/60

Response Factor: 0.934354

RRF SD: 0.0390998, Relative SD: 4.18469

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.75 | NO | 37.39 | 1.023 | 5.86e3 | 1.31e6 | 0.478 | -4.5 | 0.893 | bb |
| 2 | 190628K2_2 | 2.00 | 0.69 | NO | 37.39 | 1.023 | 2.28e4 | 1.25e6 | 1.95 | -2.7 | 0.910 | bb |
| 3 | 190628K2_3 | 5.00 | 0.74 | NO | 37.39 | 1.023 | 5.58e4 | 1.23e6 | 4.84 | -3.2 | 0.904 | bd |
| 4 | 190628K2_4 | 800 | 0.74 | NO | 37.39 | 1.024 | 1.19e7 | 1.53e6 | 831 | 3.8 | 0.970 | bb |
| 5 | 190628K2_5 | 2000 | 0.74 | NO | 37.39 | 1.023 | 3.19e7 | 1.61e6 | 2120 | 5.9 | 0.990 | bb |
| 6 | 190628K2_6 | 100 | 0.74 | NO | 37.39 | 1.024 | 1.23e6 | 1.31e6 | 101 | 0.6 | 0.940 | bb |

Compound name: PCB-79

Response Factor: 1.04488

RRF SD: 0.0597552, Relative SD: 5.71883

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.87 | NO | 38.49 | 1.054 | 3.42e3 | 1.31e6 | 0.249 | -0.4 | 1.04 | MM |
| 2 | 190628K2_2 | 1.00 | 0.73 | NO | 38.51 | 1.054 | 1.19e4 | 1.25e6 | 0.910 | -9.0 | 0.951 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-79

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 3 | 190628K2_3 | 2.50 | 0.71 | NO | 38.51 | 1.054 | 3.19e4 | 1.23e6 | 2.47 | -1.1 | 1.03 | MM |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 38.49 | 1.054 | 6.73e6 | 1.53e6 | 420 | 5.0 | 1.10 | bb |
| 5 | 190628K2_5 | 1000 | 0.75 | NO | 38.49 | 1.054 | 1.81e7 | 1.61e6 | 1070 | 7.3 | 1.12 | MM |
| 6 | 190628K2_6 | 50.0 | 0.74 | NO | 38.49 | 1.054 | 6.73e5 | 1.31e6 | 49.1 | -1.8 | 1.03 | MM |

Compound name: PCB-78

Response Factor: 1.03197

RRF SD: 0.0850665, Relative SD: 8.24308

Response type: Internal Std (Ref 183), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.75 | NO | 39.22 | 0.987 | 2.86e3 | 1.24e6 | 0.224 | -10.6 | 0.923 | MM |
| 2 | 190628K2_2 | 1.00 | 0.74 | NO | 39.22 | 0.986 | 1.18e4 | 1.19e6 | 0.956 | -4.4 | 0.986 | db |
| 3 | 190628K2_3 | 2.50 | 0.75 | NO | 39.22 | 0.987 | 2.77e4 | 1.14e6 | 2.36 | -5.5 | 0.975 | MM |
| 4 | 190628K2_4 | 400 | 0.73 | NO | 39.22 | 0.987 | 6.50e6 | 1.46e6 | 432 | 8.0 | 1.12 | MM |
| 5 | 190628K2_5 | 1000 | 0.73 | NO | 39.22 | 0.987 | 1.74e7 | 1.53e6 | 1100 | 10.4 | 1.14 | MM |
| 6 | 190628K2_6 | 50.0 | 0.73 | NO | 39.22 | 0.987 | 6.47e5 | 1.23e6 | 51.0 | 2.0 | 1.05 | MM |

Compound name: PCB-81

Response Factor: 0.933105

RRF SD: 0.078076, Relative SD: 8.36733

Response type: Internal Std (Ref 183), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.67 | NO | 39.75 | 1.000 | 2.71e3 | 1.24e6 | 0.235 | -6.2 | 0.875 | bd |
| 2 | 190628K2_2 | 1.00 | 0.77 | NO | 39.77 | 1.000 | 1.01e4 | 1.19e6 | 0.909 | -9.1 | 0.848 | MM |
| 3 | 190628K2_3 | 2.50 | 0.72 | NO | 39.77 | 1.001 | 2.55e4 | 1.14e6 | 2.41 | -3.7 | 0.899 | MM |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 39.75 | 1.000 | 5.92e6 | 1.46e6 | 435 | 8.7 | 1.01 | MM |
| 5 | 190628K2_5 | 1000 | 0.74 | NO | 39.75 | 1.000 | 1.59e7 | 1.53e6 | 1120 | 11.7 | 1.04 | MM |
| 6 | 190628K2_6 | 50.0 | 0.72 | NO | 39.76 | 1.000 | 5.65e5 | 1.23e6 | 49.3 | -1.5 | 0.919 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-77

Response Factor: 1.03273

RRF SD: 0.0795206, Relative SD: 7.70007

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.74 | NO | 40.37 | 1.000 | 2.73e3 | 1.21e6 | 0.219 | -12.4 | 0.905 | bb |
| 2 | 190628K2_2 | 1.00 | 0.68 | NO | 40.39 | 1.000 | 1.15e4 | 1.13e6 | 0.986 | -1.4 | 1.02 | MM |
| 3 | 190628K2_3 | 2.50 | 0.75 | NO | 40.39 | 1.000 | 2.73e4 | 1.11e6 | 2.39 | -4.4 | 0.988 | MM |
| 4 | 190628K2_4 | 400 | 0.74 | NO | 40.37 | 1.000 | 6.32e6 | 1.44e6 | 425 | 6.1 | 1.10 | MM |
| 5 | 190628K2_5 | 1000 | 0.75 | NO | 40.37 | 1.000 | 1.70e7 | 1.52e6 | 1090 | 8.5 | 1.12 | MM |
| 6 | 190628K2_6 | 50.0 | 0.73 | NO | 40.37 | 1.000 | 6.31e5 | 1.18e6 | 51.7 | 3.5 | 1.07 | MM |

Compound name: PCB-104

Response Factor: 0.994572

RRF SD: 0.0359619, Relative SD: 3.61582

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.34 | NO | 33.15 | 1.001 | 3.15e3 | 1.30e6 | 0.243 | -2.7 | 0.967 | MM |
| 2 | 190628K2_2 | 1.00 | 1.52 | NO | 33.15 | 1.001 | 1.20e4 | 1.26e6 | 0.960 | -4.0 | 0.955 | bb |
| 3 | 190628K2_3 | 2.50 | 1.54 | NO | 33.15 | 1.001 | 2.98e4 | 1.21e6 | 2.47 | -1.2 | 0.983 | bb |
| 4 | 190628K2_4 | 400 | 1.51 | NO | 33.15 | 1.001 | 6.03e6 | 1.46e6 | 416 | 4.1 | 1.04 | bb |
| 5 | 190628K2_5 | 1000 | 1.49 | NO | 33.15 | 1.000 | 1.56e7 | 1.49e6 | 1050 | 4.8 | 1.04 | bb |
| 6 | 190628K2_6 | 50.0 | 1.52 | NO | 33.15 | 1.001 | 6.27e5 | 1.27e6 | 49.5 | -1.0 | 0.985 | bb |

Compound name: PCB-96

Response Factor: 0.995734

RRF SD: 0.0461167, Relative SD: 4.63142

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.55 | NO | 34.45 | 1.041 | 3.25e3 | 1.30e6 | 0.250 | 0.0 | 0.996 | bb |
| 2 | 190628K2_2 | 1.00 | 1.56 | NO | 34.45 | 1.040 | 1.17e4 | 1.26e6 | 0.931 | -6.9 | 0.927 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-96

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.49 | NO | 34.45 | 1.040 | 3.00e4 | 1.21e6 | 2.48 | -0.8 | 0.988 | bb |
| 4 | 190628K2_4 | 400 | 1.50 | NO | 34.45 | 1.041 | 6.04e6 | 1.46e6 | 417 | 4.2 | 1.04 | bb |
| 5 | 190628K2_5 | 1000 | 1.51 | NO | 34.45 | 1.040 | 1.58e7 | 1.49e6 | 1060 | 6.0 | 1.06 | bb |
| 6 | 190628K2_6 | 50.0 | 1.53 | NO | 34.45 | 1.041 | 6.18e5 | 1.27e6 | 48.8 | -2.5 | 0.971 | bb |

Compound name: PCB-103

Response Factor: 0.774288

RRF SD: 0.0499129, Relative SD: 6.4463

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.35 | NO | 35.01 | 1.057 | 2.37e3 | 1.30e6 | 0.235 | -6.2 | 0.727 | MM |
| 2 | 190628K2_2 | 1.00 | 1.69 | NO | 35.03 | 1.057 | 9.21e3 | 1.26e6 | 0.945 | -5.5 | 0.731 | bb |
| 3 | 190628K2_3 | 2.50 | 1.52 | NO | 35.03 | 1.057 | 2.28e4 | 1.21e6 | 2.43 | -2.8 | 0.752 | bb |
| 4 | 190628K2_4 | 400 | 1.52 | NO | 35.01 | 1.057 | 4.78e6 | 1.46e6 | 424 | 5.9 | 0.820 | bb |
| 5 | 190628K2_5 | 1000 | 1.51 | NO | 35.01 | 1.057 | 1.27e7 | 1.49e6 | 1100 | 9.7 | 0.850 | bb |
| 6 | 190628K2_6 | 50.0 | 1.53 | NO | 35.01 | 1.057 | 4.88e5 | 1.27e6 | 49.4 | -1.1 | 0.766 | bb |

Compound name: PCB-100

Response Factor: 0.777612

RRF SD: 0.0705535, Relative SD: 9.07309

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.45 | NO | 35.38 | 1.069 | 2.18e3 | 1.30e6 | 0.215 | -13.9 | 0.670 | MM |
| 2 | 190628K2_2 | 1.00 | 1.35 | NO | 35.38 | 1.068 | 9.30e3 | 1.26e6 | 0.950 | -5.0 | 0.739 | MM |
| 3 | 190628K2_3 | 2.50 | 1.40 | NO | 35.38 | 1.068 | 2.34e4 | 1.21e6 | 2.47 | -1.1 | 0.769 | bb |
| 4 | 190628K2_4 | 400 | 1.52 | NO | 35.38 | 1.069 | 4.88e6 | 1.46e6 | 431 | 7.7 | 0.838 | bb |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 35.38 | 1.068 | 1.30e7 | 1.49e6 | 1120 | 11.5 | 0.867 | bb |
| 6 | 190628K2_6 | 50.0 | 1.53 | NO | 35.38 | 1.069 | 4.99e5 | 1.27e6 | 50.4 | 0.7 | 0.783 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-94

Response Factor: 0.773443

RRF SD: 0.0605917, Relative SD: 7.83403

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 | 190628K2_1 | 0.250 | 1.33 | NO | 35.87 | 0.985 | 1.67e3 | 9.93e5 | 0.217 | -13.2 | 0.671 | MM |
| 2 | 190628K2_2 | 1.00 | 1.46 | NO | 35.88 | 0.986 | 7.45e3 | 9.59e5 | 1.00 | 0.4 | 0.777 | bb |
| 3 | 190628K2_3 | 2.50 | 1.41 | NO | 35.87 | 0.985 | 1.74e4 | 9.46e5 | 2.38 | -4.6 | 0.738 | bb |
| 4 | 190628K2_4 | 400 | 1.51 | NO | 35.87 | 0.985 | 3.77e6 | 1.15e6 | 424 | 6.1 | 0.821 | bb |
| 5 | 190628K2_5 | 1000 | 1.52 | NO | 35.87 | 0.985 | 1.01e7 | 1.21e6 | 1080 | 7.8 | 0.834 | bb |
| 6 | 190628K2_6 | 50.0 | 1.51 | NO | 35.87 | 0.986 | 3.89e5 | 9.73e5 | 51.7 | 3.5 | 0.800 | bb |

Compound name: PCB-95/98/102

Response Factor: 1.01472

RRF SD: 0.0444164, Relative SD: 4.37721

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 | 190628K2_1 | 0.750 | 1.45 | NO | 36.35 | 0.998 | 7.23e3 | 9.93e5 | 0.718 | -4.3 | 0.971 | MM |
| 2 | 190628K2_2 | 3.00 | 1.52 | NO | 36.35 | 0.998 | 2.93e4 | 9.59e5 | 3.01 | 0.4 | 1.02 | bd |
| 3 | 190628K2_3 | 7.50 | 1.57 | NO | 36.37 | 0.999 | 6.75e4 | 9.46e5 | 7.04 | -6.2 | 0.952 | MM |
| 4 | 190628K2_4 | 1200 | 1.51 | NO | 36.35 | 0.998 | 1.45e7 | 1.15e6 | 1250 | 3.8 | 1.05 | bd |
| 5 | 190628K2_5 | 3000 | 1.51 | NO | 36.35 | 0.998 | 3.85e7 | 1.21e6 | 3140 | 4.7 | 1.06 | MM |
| 6 | 190628K2_6 | 150 | 1.51 | NO | 36.35 | 0.999 | 1.50e6 | 9.73e5 | 152 | 1.6 | 1.03 | bd |

Compound name: PCB-93

Response Factor: 0.841043

RRF SD: 0.0741261, Relative SD: 8.81359

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 | 190628K2_1 | 0.250 | 1.67 | NO | 36.46 | 1.002 | 2.06e3 | 9.93e5 | 0.246 | -1.5 | 0.828 | MM |
| 2 | 190628K2_2 | 1.00 | 1.72 | NO | 36.50 | 1.003 | 6.82e3 | 9.59e5 | 0.846 | -15.4 | 0.712 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-93

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.51 | NO | 36.46 | 1.002 | 2.14e4 | 9.46e5 | 2.70 | 7.9 | 0.907 | MM |
| 4 | 190628K2_4 | 400 | 1.52 | NO | 36.50 | 1.003 | 4.00e6 | 1.15e6 | 414 | 3.6 | 0.871 | db |
| 5 | 190628K2_5 | 1000 | 1.53 | NO | 36.50 | 1.003 | 1.10e7 | 1.21e6 | 1080 | 8.2 | 0.910 | MM |
| 6 | 190628K2_6 | 50.0 | 1.54 | NO | 36.50 | 1.003 | 3.98e5 | 9.73e5 | 48.6 | -2.8 | 0.817 | db |

Compound name: PCB-88/91

Response Factor: 0.889596
 RRF SD: 0.0370179, Relative SD: 4.1612
 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 | 190628K2_1 | 0.500 | 1.43 | NO | 36.85 | 1.012 | 4.66e3 | 9.93e5 | 0.527 | 5.5 | 0.938 | MM |
| 2 | 190628K2_2 | 2.00 | 1.76 | NO | 36.83 | 1.012 | 1.58e4 | 9.59e5 | 1.85 | -7.3 | 0.825 | bd |
| 3 | 190628K2_3 | 5.00 | 1.61 | NO | 36.85 | 1.012 | 4.25e4 | 9.46e5 | 5.05 | 1.0 | 0.898 | dd |
| 4 | 190628K2_4 | 800 | 1.51 | NO | 36.83 | 1.012 | 8.11e6 | 1.15e6 | 794 | -0.8 | 0.883 | bd |
| 5 | 190628K2_5 | 2000 | 1.50 | NO | 36.83 | 1.012 | 2.16e7 | 1.21e6 | 2010 | 0.7 | 0.896 | bd |
| 6 | 190628K2_6 | 100 | 1.51 | NO | 36.83 | 1.012 | 8.74e5 | 9.73e5 | 101 | 0.9 | 0.898 | bd |

Compound name: PCB-121

Response Factor: 1.38597
 RRF SD: 0.134648, Relative SD: 9.71511
 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 | 190628K2_1 | 0.250 | 1.45 | NO | 36.93 | 1.014 | 3.03e3 | 9.93e5 | 0.220 | -12.1 | 1.22 | MM |
| 2 | 190628K2_2 | 1.00 | 1.40 | NO | 36.93 | 1.014 | 1.26e4 | 9.59e5 | 0.951 | -4.9 | 1.32 | db |
| 3 | 190628K2_3 | 2.50 | 1.53 | NO | 36.93 | 1.014 | 3.02e4 | 9.46e5 | 2.31 | -7.7 | 1.28 | db |
| 4 | 190628K2_4 | 400 | 1.53 | NO | 36.93 | 1.014 | 6.96e6 | 1.15e6 | 437 | 9.3 | 1.52 | db |
| 5 | 190628K2_5 | 1000 | 1.53 | NO | 36.93 | 1.014 | 1.88e7 | 1.21e6 | 1120 | 12.1 | 1.55 | db |
| 6 | 190628K2_6 | 50.0 | 1.51 | NO | 36.93 | 1.015 | 6.96e5 | 9.73e5 | 51.6 | 3.2 | 1.43 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-84/92

Response Factor: 0.878502

RRF SD: 0.0491541, Relative SD: 5.59522

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.61 | NO | 37.78 | 0.990 | 3.92e3 | 9.69e5 | 0.460 | -7.9 | 0.809 | bd |
| 2 | 190628K2_2 | 2.00 | 1.46 | NO | 37.78 | 0.990 | 1.59e4 | 9.17e5 | 1.97 | -1.3 | 0.868 | MM |
| 3 | 190628K2_3 | 5.00 | 1.58 | NO | 37.78 | 0.990 | 3.80e4 | 8.90e5 | 4.86 | -2.7 | 0.854 | bd |
| 4 | 190628K2_4 | 800 | 1.50 | NO | 37.78 | 0.990 | 7.95e6 | 1.08e6 | 836 | 4.4 | 0.918 | bd |
| 5 | 190628K2_5 | 2000 | 1.50 | NO | 37.78 | 0.990 | 2.15e7 | 1.13e6 | 2160 | 8.0 | 0.949 | bd |
| 6 | 190628K2_6 | 100 | 1.55 | NO | 37.76 | 0.990 | 8.29e5 | 9.49e5 | 99.4 | -0.6 | 0.874 | bd |

Compound name: PCB-89

Response Factor: 0.959382

RRF SD: 0.0317425, Relative SD: 3.30865

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.72 | NO | 37.97 | 0.995 | 2.23e3 | 9.69e5 | 0.240 | -4.1 | 0.920 | MM |
| 2 | 190628K2_2 | 1.00 | 1.37 | NO | 37.97 | 0.995 | 8.81e3 | 9.17e5 | 1.00 | 0.2 | 0.961 | MM |
| 3 | 190628K2_3 | 2.50 | 1.47 | NO | 37.97 | 0.995 | 2.06e4 | 8.90e5 | 2.42 | -3.4 | 0.927 | dd |
| 4 | 190628K2_4 | 400 | 1.50 | NO | 37.97 | 0.995 | 4.27e6 | 1.08e6 | 411 | 2.7 | 0.986 | dd |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 37.97 | 0.995 | 1.14e7 | 1.13e6 | 1040 | 4.4 | 1.00 | dd |
| 6 | 190628K2_6 | 50.0 | 1.54 | NO | 37.97 | 0.996 | 4.56e5 | 9.49e5 | 50.1 | 0.1 | 0.961 | dd |

Compound name: PCB-90/101

Response Factor: 0.943869

RRF SD: 0.0563686, Relative SD: 5.97208

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.41 | NO | 38.15 | 1.000 | 4.07e3 | 9.69e5 | 0.446 | -10.9 | 0.841 | MM |
| 2 | 190628K2_2 | 2.00 | 1.53 | NO | 38.17 | 1.000 | 1.76e4 | 9.17e5 | 2.03 | 1.4 | 0.957 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-90/101

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 5.00 | 1.54 | NO | 38.17 | 1.000 | 4.15e4 | 8.90e5 | 4.95 | -1.0 | 0.934 | db |
| 4 | 190628K2_4 | 800 | 1.52 | NO | 38.15 | 1.000 | 8.52e6 | 1.08e6 | 834 | 4.2 | 0.984 | dd |
| 5 | 190628K2_5 | 2000 | 1.50 | NO | 38.15 | 1.000 | 2.27e7 | 1.13e6 | 2120 | 6.2 | 1.00 | dd |
| 6 | 190628K2_6 | 100 | 1.51 | NO | 38.15 | 1.000 | 8.97e5 | 9.49e5 | 100 | 0.1 | 0.944 | dd |

Compound name: PCB-113

Response Factor: 1.23044

RRF SD: 0.0526854, Relative SD: 4.28185

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.41 | NO | 38.42 | 1.007 | 2.73e3 | 9.69e5 | 0.229 | -8.4 | 1.13 | MM |
| 2 | 190628K2_2 | 1.00 | 1.50 | NO | 38.42 | 1.007 | 1.16e4 | 9.17e5 | 1.03 | 2.6 | 1.26 | MM |
| 3 | 190628K2_3 | 2.50 | 1.40 | NO | 38.42 | 1.007 | 2.82e4 | 8.90e5 | 2.58 | 3.2 | 1.27 | bd |
| 4 | 190628K2_4 | 400 | 1.51 | NO | 38.41 | 1.007 | 5.40e6 | 1.08e6 | 405 | 1.4 | 1.25 | dd |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 38.42 | 1.007 | 1.42e7 | 1.13e6 | 1020 | 1.5 | 1.25 | MM |
| 6 | 190628K2_6 | 50.0 | 1.52 | NO | 38.42 | 1.007 | 5.82e5 | 9.49e5 | 49.9 | -0.3 | 1.23 | dd |

Compound name: PCB-99

Response Factor: 1.1188

RRF SD: 0.130741, Relative SD: 11.6858

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.46 | NO | 38.51 | 1.009 | 2.31e3 | 9.69e5 | 0.213 | -14.7 | 0.954 | MM |
| 2 | 190628K2_2 | 1.00 | 1.51 | NO | 38.51 | 1.009 | 9.80e3 | 9.17e5 | 0.956 | -4.4 | 1.07 | MM |
| 3 | 190628K2_3 | 2.50 | 1.48 | NO | 38.51 | 1.009 | 2.27e4 | 8.90e5 | 2.29 | -8.6 | 1.02 | db |
| 4 | 190628K2_4 | 400 | 1.53 | NO | 38.51 | 1.009 | 5.36e6 | 1.08e6 | 442 | 10.6 | 1.24 | db |
| 5 | 190628K2_5 | 1000 | 1.52 | NO | 38.51 | 1.009 | 1.47e7 | 1.13e6 | 1160 | 16.1 | 1.30 | MM |
| 6 | 190628K2_6 | 50.0 | 1.54 | NO | 38.51 | 1.010 | 5.37e5 | 9.49e5 | 50.5 | 1.1 | 1.13 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-119

Response Factor: 1.47116

RRF SD: 0.10941, Relative SD: 7.43701

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.75 | NO | 38.99 | 0.987 | 2.77e3 | 8.42e5 | 0.224 | -10.5 | 1.32 | bd |
| 2 | 190628K2_2 | 1.00 | 1.60 | NO | 38.99 | 0.987 | 1.14e4 | 8.07e5 | 0.963 | -3.7 | 1.42 | bd |
| 3 | 190628K2_3 | 2.50 | 1.55 | NO | 38.99 | 0.987 | 2.80e4 | 7.81e5 | 2.43 | -2.7 | 1.43 | bd |
| 4 | 190628K2_4 | 400 | 1.49 | NO | 38.99 | 0.987 | 5.94e6 | 9.44e5 | 428 | 6.9 | 1.57 | bd |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 38.99 | 0.987 | 1.57e7 | 9.71e5 | 1100 | 9.9 | 1.62 | bd |
| 6 | 190628K2_6 | 50.0 | 1.54 | NO | 38.97 | 0.987 | 6.11e5 | 8.31e5 | 50.0 | -0.1 | 1.47 | bd |

Compound name: PCB-108/112

Response Factor: 1.24929

RRF SD: 0.0742553, Relative SD: 5.9438

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.49 | NO | 39.16 | 0.992 | 4.83e3 | 8.42e5 | 0.459 | -8.1 | 1.15 | dd |
| 2 | 190628K2_2 | 2.00 | 1.53 | NO | 39.16 | 0.992 | 1.97e4 | 8.07e5 | 1.95 | -2.5 | 1.22 | dd |
| 3 | 190628K2_3 | 5.00 | 1.53 | NO | 39.16 | 0.992 | 4.73e4 | 7.81e5 | 4.85 | -3.0 | 1.21 | dd |
| 4 | 190628K2_4 | 800 | 1.50 | NO | 39.14 | 0.991 | 9.88e6 | 9.44e5 | 838 | 4.7 | 1.31 | dd |
| 5 | 190628K2_5 | 2000 | 1.50 | NO | 39.14 | 0.991 | 2.63e7 | 9.71e5 | 2170 | 8.5 | 1.36 | dd |
| 6 | 190628K2_6 | 100 | 1.50 | NO | 39.14 | 0.991 | 1.04e6 | 8.31e5 | 100 | 0.5 | 1.25 | dd |

Compound name: PCB-83

Response Factor: 1.54674

RRF SD: 0.0962831, Relative SD: 6.22492

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.78 | NO | 39.31 | 0.995 | 3.33e3 | 8.42e5 | 0.256 | 2.2 | 1.58 | dd |
| 2 | 190628K2_2 | 1.00 | 1.44 | NO | 39.33 | 0.996 | 1.13e4 | 8.07e5 | 0.907 | -9.3 | 1.40 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-83

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.61 | NO | 39.33 | 0.996 | 2.89e4 | 7.81e5 | 2.39 | -4.4 | 1.48 | dd |
| 4 | 190628K2_4 | 400 | 1.51 | NO | 39.31 | 0.995 | 6.11e6 | 9.44e5 | 419 | 4.7 | 1.62 | dd |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 39.31 | 0.995 | 1.62e7 | 9.71e5 | 1080 | 7.7 | 1.67 | dd |
| 6 | 190628K2_6 | 50.0 | 1.50 | NO | 39.31 | 0.995 | 6.37e5 | 8.31e5 | 49.5 | -0.9 | 1.53 | dd |

Compound name: PCB-97

Response Factor: 1.07496

RRF SD: 0.0594316, Relative SD: 5.52872

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.65 | NO | 39.53 | 1.001 | 2.30e3 | 8.42e5 | 0.254 | 1.5 | 1.09 | dd |
| 2 | 190628K2_2 | 1.00 | 1.57 | NO | 39.53 | 1.001 | 7.88e3 | 8.07e5 | 0.908 | -9.2 | 0.976 | dd |
| 3 | 190628K2_3 | 2.50 | 1.53 | NO | 39.53 | 1.001 | 2.05e4 | 7.81e5 | 2.44 | -2.6 | 1.05 | dd |
| 4 | 190628K2_4 | 400 | 1.51 | NO | 39.51 | 1.000 | 4.23e6 | 9.44e5 | 417 | 4.2 | 1.12 | dd |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 39.51 | 1.000 | 1.11e7 | 9.71e5 | 1060 | 6.4 | 1.14 | dd |
| 6 | 190628K2_6 | 50.0 | 1.53 | NO | 39.51 | 1.000 | 4.45e5 | 8.31e5 | 49.9 | -0.3 | 1.07 | dd |

Compound name: PCB-86

Response Factor: 0.995501

RRF SD: 0.0761026, Relative SD: 7.64465

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.61 | NO | 39.68 | 1.005 | 2.02e3 | 8.42e5 | 0.241 | -3.7 | 0.959 | dd |
| 2 | 190628K2_2 | 1.00 | 1.45 | NO | 39.68 | 1.005 | 7.62e3 | 8.07e5 | 0.948 | -5.2 | 0.944 | dd |
| 3 | 190628K2_3 | 2.50 | 1.46 | NO | 39.68 | 1.005 | 1.91e4 | 7.81e5 | 2.46 | -1.5 | 0.980 | dd |
| 4 | 190628K2_4 | 400 | 1.48 | NO | 39.68 | 1.005 | 4.11e6 | 9.44e5 | 438 | 9.4 | 1.09 | dd |
| 5 | 190628K2_5 | 1000 | 1.49 | NO | 39.68 | 1.005 | 1.06e7 | 9.71e5 | 1090 | 9.5 | 1.09 | dd |
| 6 | 190628K2_6 | 50.0 | 1.51 | NO | 39.66 | 1.004 | 3.79e5 | 8.31e5 | 45.8 | -8.4 | 0.911 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-87/117/125

Response Factor: 1.33244

RRF SD: 0.110411, Relative SD: 8.28641

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.750 | 1.48 | NO | 39.81 | 1.008 | 7.48e3 | 8.42e5 | 0.666 | -11.2 | 1.18 | dd |
| 2 | 190628K2_2 | 3.00 | 1.46 | NO | 39.81 | 1.008 | 3.07e4 | 8.07e5 | 2.85 | -4.9 | 1.27 | dd |
| 3 | 190628K2_3 | 7.50 | 1.53 | NO | 39.81 | 1.008 | 7.47e4 | 7.81e5 | 7.17 | -4.4 | 1.27 | dd |
| 4 | 190628K2_4 | 1200 | 1.51 | NO | 39.81 | 1.008 | 1.61e7 | 9.44e5 | 1280 | 6.5 | 1.42 | dd |
| 5 | 190628K2_5 | 3000 | 1.51 | NO | 39.81 | 1.008 | 4.31e7 | 9.71e5 | 3340 | 11.2 | 1.48 | dd |
| 6 | 190628K2_6 | 150 | 1.52 | NO | 39.79 | 1.008 | 1.71e6 | 8.31e5 | 154 | 2.7 | 1.37 | dd |

Compound name: PCB-111/115

Response Factor: 1.60094

RRF SD: 0.126255, Relative SD: 7.88635

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.76 | NO | 39.96 | 1.012 | 6.31e3 | 8.42e5 | 0.468 | -6.4 | 1.50 | dd |
| 2 | 190628K2_2 | 2.00 | 1.56 | NO | 39.98 | 1.012 | 2.48e4 | 8.07e5 | 1.92 | -4.2 | 1.53 | dd |
| 3 | 190628K2_3 | 5.00 | 1.52 | NO | 39.96 | 1.012 | 5.96e4 | 7.81e5 | 4.77 | -4.6 | 1.53 | dd |
| 4 | 190628K2_4 | 800 | 1.50 | NO | 39.96 | 1.012 | 1.31e7 | 9.44e5 | 866 | 8.3 | 1.73 | dd |
| 5 | 190628K2_5 | 2000 | 1.51 | NO | 39.96 | 1.012 | 3.48e7 | 9.71e5 | 2240 | 11.8 | 1.79 | dd |
| 6 | 190628K2_6 | 100 | 1.52 | NO | 39.96 | 1.012 | 1.27e6 | 8.31e5 | 95.1 | -4.9 | 1.52 | dd |

Compound name: PCB-85/116

Response Factor: 1.21579

RRF SD: 0.0616726, Relative SD: 5.07265

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.34 | NO | 40.09 | 1.015 | 5.21e3 | 8.42e5 | 0.509 | 1.7 | 1.24 | dd |
| 2 | 190628K2_2 | 2.00 | 1.38 | NO | 40.09 | 1.015 | 1.79e4 | 8.07e5 | 1.82 | -8.8 | 1.11 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-85/116

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 5.00 | 1.54 | NO | 40.09 | 1.015 | 4.61e4 | 7.81e5 | 4.86 | -2.8 | 1.18 | dd |
| 4 | 190628K2_4 | 800 | 1.51 | NO | 40.09 | 1.015 | 9.34e6 | 9.44e5 | 814 | 1.8 | 1.24 | dd |
| 5 | 190628K2_5 | 2000 | 1.51 | NO | 40.09 | 1.015 | 2.49e7 | 9.71e5 | 2110 | 5.4 | 1.28 | db |
| 6 | 190628K2_6 | 100 | 1.54 | NO | 40.09 | 1.015 | 1.04e6 | 8.31e5 | 103 | 2.7 | 1.25 | dd |

Compound name: PCB-120

Response Factor: 1.6808

RRF SD: 0.123461, Relative SD: 7.34537

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.33 | NO | 40.35 | 1.022 | 3.30e3 | 8.42e5 | 0.233 | -6.6 | 1.57 | MM |
| 2 | 190628K2_2 | 1.00 | 1.57 | NO | 40.35 | 1.022 | 1.29e4 | 8.07e5 | 0.951 | -4.9 | 1.60 | dd |
| 3 | 190628K2_3 | 2.50 | 1.48 | NO | 40.35 | 1.022 | 3.13e4 | 7.81e5 | 2.38 | -4.6 | 1.60 | dd |
| 4 | 190628K2_4 | 400 | 1.50 | NO | 40.35 | 1.022 | 6.85e6 | 9.44e5 | 432 | 8.1 | 1.82 | dd |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 40.35 | 1.022 | 1.80e7 | 9.71e5 | 1100 | 10.5 | 1.86 | bd |
| 6 | 190628K2_6 | 50.0 | 1.49 | NO | 40.35 | 1.022 | 6.81e5 | 8.31e5 | 48.8 | -2.4 | 1.64 | dd |

Compound name: PCB-110

Response Factor: 1.48569

RRF SD: 0.0734194, Relative SD: 4.94178

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.60 | NO | 40.50 | 1.025 | 2.87e3 | 8.42e5 | 0.229 | -8.4 | 1.36 | MM |
| 2 | 190628K2_2 | 1.00 | 1.48 | NO | 40.50 | 1.025 | 1.20e4 | 8.07e5 | 1.00 | -0.0 | 1.49 | db |
| 3 | 190628K2_3 | 2.50 | 1.51 | NO | 40.50 | 1.025 | 2.86e4 | 7.81e5 | 2.46 | -1.4 | 1.46 | db |
| 4 | 190628K2_4 | 400 | 1.51 | NO | 40.50 | 1.025 | 5.77e6 | 9.44e5 | 412 | 3.0 | 1.53 | db |
| 5 | 190628K2_5 | 1000 | 1.51 | NO | 40.50 | 1.025 | 1.53e7 | 9.71e5 | 1060 | 6.4 | 1.58 | db |
| 6 | 190628K2_6 | 50.0 | 1.52 | NO | 40.48 | 1.025 | 6.20e5 | 8.31e5 | 50.3 | 0.5 | 1.49 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-82

Response Factor: 0.674454

RRF SD: 0.0425328, Relative SD: 6.30627

Response type: Internal Std (Ref 189), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.53 | NO | 41.13 | 0.976 | 1.62e3 | 1.09e6 | 0.221 | -11.6 | 0.597 | MM |
| 2 | 190628K2_2 | 1.00 | 1.45 | NO | 41.13 | 0.976 | 6.86e3 | 1.04e6 | 0.978 | -2.2 | 0.660 | db |
| 3 | 190628K2_3 | 2.50 | 1.39 | NO | 41.15 | 0.976 | 1.71e4 | 1.01e6 | 2.52 | 0.6 | 0.679 | db |
| 4 | 190628K2_4 | 400 | 1.50 | NO | 41.13 | 0.976 | 3.49e6 | 1.24e6 | 419 | 4.7 | 0.706 | bb |
| 5 | 190628K2_5 | 1000 | 1.52 | NO | 41.13 | 0.976 | 9.13e6 | 1.28e6 | 1050 | 5.3 | 0.710 | db |
| 6 | 190628K2_6 | 50.0 | 1.50 | NO | 41.13 | 0.976 | 3.74e5 | 1.07e6 | 51.6 | 3.1 | 0.696 | bd |

Compound name: PCB-124

Response Factor: 1.16306

RRF SD: 0.0888184, Relative SD: 7.63659

Response type: Internal Std (Ref 189), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.59 | NO | 41.86 | 0.993 | 2.84e3 | 1.09e6 | 0.224 | -10.4 | 1.04 | bd |
| 2 | 190628K2_2 | 1.00 | 1.40 | NO | 41.86 | 0.993 | 1.16e4 | 1.04e6 | 0.956 | -4.4 | 1.11 | bd |
| 3 | 190628K2_3 | 2.50 | 1.51 | NO | 41.86 | 0.993 | 2.90e4 | 1.01e6 | 2.48 | -0.7 | 1.15 | bd |
| 4 | 190628K2_4 | 400 | 1.49 | NO | 41.84 | 0.993 | 6.18e6 | 1.24e6 | 430 | 7.5 | 1.25 | bd |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 41.84 | 0.993 | 1.65e7 | 1.28e6 | 1100 | 10.2 | 1.28 | bd |
| 6 | 190628K2_6 | 50.0 | 1.48 | NO | 41.84 | 0.993 | 6.12e5 | 1.07e6 | 49.0 | -2.0 | 1.14 | bd |

Compound name: PCB-107/109

Response Factor: 1.16628

RRF SD: 0.0723123, Relative SD: 6.20027

Response type: Internal Std (Ref 189), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.57 | NO | 42.01 | 0.997 | 5.97e3 | 1.09e6 | 0.470 | -5.9 | 1.10 | dd |
| 2 | 190628K2_2 | 2.00 | 1.62 | NO | 42.01 | 0.996 | 2.25e4 | 1.04e6 | 1.85 | -7.3 | 1.08 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-107/109

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 3 | 190628K2_3 | 5.00 | 1.49 | NO | 42.01 | 0.996 | 5.76e4 | 1.01e6 | 4.91 | -1.8 | 1.15 | dd |
| 4 | 190628K2_4 | 800 | 1.51 | NO | 41.99 | 0.996 | 1.21e7 | 1.24e6 | 837 | 4.6 | 1.22 | dd |
| 5 | 190628K2_5 | 2000 | 1.51 | NO | 41.99 | 0.996 | 3.26e7 | 1.28e6 | 2170 | 8.7 | 1.27 | dd |
| 6 | 190628K2_6 | 100 | 1.51 | NO | 41.99 | 0.997 | 1.28e6 | 1.07e6 | 102 | 1.8 | 1.19 | dd |

Compound name: PCB-123

Response Factor: 1.04116

RRF SD: 0.0529506, Relative SD: 5.08575

Response type: Internal Std (Ref 189), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.34 | NO | 42.17 | 1.000 | 2.82e3 | 1.09e6 | 0.249 | -0.6 | 1.04 | MM |
| 2 | 190628K2_2 | 1.00 | 1.49 | NO | 42.17 | 1.000 | 9.92e3 | 1.04e6 | 0.916 | -8.4 | 0.954 | dd |
| 3 | 190628K2_3 | 2.50 | 1.52 | NO | 42.17 | 1.000 | 2.55e4 | 1.01e6 | 2.43 | -2.6 | 1.01 | dd |
| 4 | 190628K2_4 | 400 | 1.52 | NO | 42.17 | 1.000 | 5.33e6 | 1.24e6 | 414 | 3.5 | 1.08 | dd |
| 5 | 190628K2_5 | 1000 | 1.50 | NO | 42.17 | 1.000 | 1.42e7 | 1.28e6 | 1060 | 5.9 | 1.10 | dd |
| 6 | 190628K2_6 | 50.0 | 1.50 | NO | 42.15 | 1.000 | 5.71e5 | 1.07e6 | 51.0 | 2.1 | 1.06 | dd |

Compound name: PCB-106/118

Response Factor: 1.06999

RRF SD: 0.0476503, Relative SD: 4.45333

Response type: Internal Std (Ref 190), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.59 | NO | 42.40 | 1.001 | 5.61e3 | 1.14e6 | 0.459 | -8.3 | 0.982 | db |
| 2 | 190628K2_2 | 2.00 | 1.41 | NO | 42.38 | 1.001 | 2.32e4 | 1.09e6 | 1.98 | -1.0 | 1.06 | MM |
| 3 | 190628K2_3 | 5.00 | 1.52 | NO | 42.38 | 1.001 | 5.63e4 | 1.04e6 | 5.04 | 0.9 | 1.08 | MM |
| 4 | 190628K2_4 | 800 | 1.52 | NO | 42.38 | 1.001 | 1.17e7 | 1.35e6 | 814 | 1.8 | 1.09 | MM |
| 5 | 190628K2_5 | 2000 | 1.51 | NO | 42.38 | 1.001 | 3.10e7 | 1.38e6 | 2090 | 4.7 | 1.12 | MM |
| 6 | 190628K2_6 | 100 | 1.52 | NO | 42.38 | 1.001 | 1.22e6 | 1.12e6 | 102 | 1.9 | 1.09 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-114

Response Factor: 1.16158

RRF SD: 0.0858823, Relative SD: 7.39357

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.49 | NO | 43.03 | 1.000 | 2.49e3 | 9.51e5 | 0.225 | -10.0 | 1.05 | bd |
| 2 | 190628K2_2 | 1.00 | 1.57 | NO | 43.03 | 1.000 | 1.04e4 | 9.12e5 | 0.977 | -2.3 | 1.13 | MM |
| 3 | 190628K2_3 | 2.50 | 1.60 | NO | 43.03 | 1.000 | 2.47e4 | 8.94e5 | 2.38 | -4.6 | 1.11 | MM |
| 4 | 190628K2_4 | 400 | 1.57 | NO | 43.03 | 1.000 | 5.61e6 | 1.12e6 | 431 | 7.7 | 1.25 | MM |
| 5 | 190628K2_5 | 1000 | 1.57 | NO | 43.03 | 1.000 | 1.50e7 | 1.18e6 | 1090 | 9.4 | 1.27 | MM |
| 6 | 190628K2_6 | 50.0 | 1.55 | NO | 43.03 | 1.000 | 5.54e5 | 9.55e5 | 49.9 | -0.2 | 1.16 | MM |

Compound name: PCB-122

Response Factor: 0.972565

RRF SD: 0.0815851, Relative SD: 8.38865

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.43 | NO | 43.17 | 1.003 | 1.98e3 | 9.51e5 | 0.215 | -14.1 | 0.835 | dd |
| 2 | 190628K2_2 | 1.00 | 1.52 | NO | 43.19 | 1.004 | 8.47e3 | 9.12e5 | 0.955 | -4.5 | 0.929 | MM |
| 3 | 190628K2_3 | 2.50 | 1.47 | NO | 43.19 | 1.004 | 2.16e4 | 8.94e5 | 2.48 | -0.6 | 0.967 | MM |
| 4 | 190628K2_4 | 400 | 1.56 | NO | 43.17 | 1.003 | 4.57e6 | 1.12e6 | 419 | 4.8 | 1.02 | MM |
| 5 | 190628K2_5 | 1000 | 1.57 | NO | 43.17 | 1.003 | 1.22e7 | 1.18e6 | 1060 | 5.9 | 1.03 | MM |
| 6 | 190628K2_6 | 50.0 | 1.58 | NO | 43.17 | 1.003 | 5.04e5 | 9.55e5 | 54.3 | 8.6 | 1.06 | MM |

Compound name: PCB-105

Response Factor: 1.10086

RRF SD: 0.0624074, Relative SD: 5.66896

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.42 | NO | 43.93 | 1.000 | 2.69e3 | 1.01e6 | 0.242 | -3.3 | 1.06 | MM |
| 2 | 190628K2_2 | 1.00 | 1.51 | NO | 43.93 | 1.000 | 9.88e3 | 9.63e5 | 0.932 | -6.8 | 1.03 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-105

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.57 | NO | 43.93 | 1.000 | 2.45e4 | 9.24e5 | 2.41 | -3.7 | 1.06 | dd |
| 4 | 190628K2_4 | 400 | 1.56 | NO | 43.92 | 1.000 | 5.32e6 | 1.15e6 | 420 | 5.1 | 1.16 | bd |
| 5 | 190628K2_5 | 1000 | 1.57 | NO | 43.93 | 1.000 | 1.43e7 | 1.21e6 | 1080 | 7.9 | 1.19 | bd |
| 6 | 190628K2_6 | 50.0 | 1.57 | NO | 43.93 | 1.000 | 5.59e5 | 1.01e6 | 50.4 | 0.8 | 1.11 | bd |

Compound name: PCB-127

Response Factor: 1.10828

RRF SD: 0.0850256, Relative SD: 7.67188

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.51 | NO | 44.29 | 1.001 | 2.53e3 | 1.03e6 | 0.222 | -11.2 | 0.984 | db |
| 2 | 190628K2_2 | 1.00 | 1.68 | NO | 44.29 | 1.000 | 1.05e4 | 1.00e6 | 0.943 | -5.7 | 1.05 | db |
| 3 | 190628K2_3 | 2.50 | 1.51 | NO | 44.29 | 1.000 | 2.64e4 | 9.66e5 | 2.47 | -1.3 | 1.09 | db |
| 4 | 190628K2_4 | 400 | 1.58 | NO | 44.27 | 1.000 | 5.52e6 | 1.16e6 | 428 | 6.9 | 1.19 | db |
| 5 | 190628K2_5 | 1000 | 1.58 | NO | 44.27 | 1.000 | 1.47e7 | 1.22e6 | 1090 | 9.0 | 1.21 | db |
| 6 | 190628K2_6 | 50.0 | 1.58 | NO | 44.27 | 1.000 | 5.84e5 | 1.03e6 | 51.2 | 2.3 | 1.13 | db |

Compound name: PCB-126

Response Factor: 1.21258

RRF SD: 0.0924719, Relative SD: 7.62603

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.41 | NO | 46.24 | 1.000 | 2.55e3 | 9.10e5 | 0.231 | -7.8 | 1.12 | MM |
| 2 | 190628K2_2 | 1.00 | 1.62 | NO | 46.24 | 1.000 | 9.65e3 | 8.64e5 | 0.921 | -7.9 | 1.12 | MM |
| 3 | 190628K2_3 | 2.50 | 1.58 | NO | 46.24 | 1.000 | 2.48e4 | 8.49e5 | 2.41 | -3.6 | 1.17 | db |
| 4 | 190628K2_4 | 400 | 1.57 | NO | 46.24 | 1.000 | 5.51e6 | 1.06e6 | 428 | 7.1 | 1.30 | db |
| 5 | 190628K2_5 | 1000 | 1.57 | NO | 46.24 | 1.000 | 1.48e7 | 1.11e6 | 1100 | 10.0 | 1.33 | db |
| 6 | 190628K2_6 | 50.0 | 1.59 | NO | 46.24 | 1.000 | 5.71e5 | 9.21e5 | 51.1 | 2.2 | 1.24 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-155

Response Factor: 0.873733

RRF SD: 0.0386534, Relative SD: 4.42393

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.23 | NO | 37.69 | 1.000 | 2.65e3 | 1.26e6 | 0.241 | -3.6 | 0.842 | bb |
| 2 | 190628K2_2 | 1.00 | 1.29 | NO | 37.71 | 1.001 | 1.03e4 | 1.20e6 | 0.982 | -1.8 | 0.858 | bb |
| 3 | 190628K2_3 | 2.50 | 1.37 | NO | 37.71 | 1.001 | 2.42e4 | 1.15e6 | 2.41 | -3.5 | 0.843 | bb |
| 4 | 190628K2_4 | 400 | 1.26 | NO | 37.69 | 1.000 | 4.83e6 | 1.32e6 | 419 | 4.7 | 0.915 | bb |
| 5 | 190628K2_5 | 1000 | 1.25 | NO | 37.69 | 1.000 | 1.26e7 | 1.36e6 | 1060 | 6.5 | 0.930 | bb |
| 6 | 190628K2_6 | 50.0 | 1.30 | NO | 37.69 | 1.000 | 5.04e5 | 1.18e6 | 48.9 | -2.3 | 0.854 | bb |

Compound name: PCB-150

Response Factor: 0.880705

RRF SD: 0.0753257, Relative SD: 8.55289

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.10 | NO | 38.99 | 1.035 | 2.47e3 | 1.26e6 | 0.223 | -10.9 | 0.785 | MM |
| 2 | 190628K2_2 | 1.00 | 1.24 | NO | 39.01 | 1.036 | 9.96e3 | 1.20e6 | 0.940 | -6.0 | 0.828 | bb |
| 3 | 190628K2_3 | 2.50 | 1.30 | NO | 39.01 | 1.036 | 2.47e4 | 1.15e6 | 2.43 | -2.7 | 0.857 | bb |
| 4 | 190628K2_4 | 400 | 1.25 | NO | 38.99 | 1.035 | 5.09e6 | 1.32e6 | 438 | 9.6 | 0.965 | bb |
| 5 | 190628K2_5 | 1000 | 1.25 | NO | 39.01 | 1.036 | 1.32e7 | 1.36e6 | 1110 | 10.6 | 0.974 | bb |
| 6 | 190628K2_6 | 50.0 | 1.25 | NO | 38.99 | 1.035 | 5.16e5 | 1.18e6 | 49.7 | -0.6 | 0.875 | bb |

Compound name: PCB-152

Response Factor: 1.00442

RRF SD: 0.0676909, Relative SD: 6.73928

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.28 | NO | 39.49 | 1.048 | 2.96e3 | 1.26e6 | 0.234 | -6.3 | 0.941 | bb |
| 2 | 190628K2_2 | 1.00 | 1.18 | NO | 39.49 | 1.048 | 1.13e4 | 1.20e6 | 0.938 | -6.2 | 0.942 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-152

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.18 | NO | 39.49 | 1.048 | 2.76e4 | 1.15e6 | 2.39 | -4.5 | 0.959 | bb |
| 4 | 190628K2_4 | 400 | 1.27 | NO | 39.49 | 1.048 | 5.68e6 | 1.32e6 | 429 | 7.3 | 1.08 | bb |
| 5 | 190628K2_5 | 1000 | 1.25 | NO | 39.49 | 1.048 | 1.48e7 | 1.36e6 | 1090 | 8.6 | 1.09 | bb |
| 6 | 190628K2_6 | 50.0 | 1.27 | NO | 39.49 | 1.048 | 5.99e5 | 1.18e6 | 50.6 | 1.2 | 1.02 | bb |

Compound name: PCB-145

Response Factor: 0.999687

RRF SD: 0.0727756, Relative SD: 7.27984

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.33 | NO | 39.96 | 1.061 | 3.03e3 | 1.26e6 | 0.241 | -3.7 | 0.963 | bb |
| 2 | 190628K2_2 | 1.00 | 1.34 | NO | 39.96 | 1.061 | 1.11e4 | 1.20e6 | 0.925 | -7.5 | 0.925 | bb |
| 3 | 190628K2_3 | 2.50 | 1.25 | NO | 39.96 | 1.061 | 2.71e4 | 1.15e6 | 2.36 | -5.6 | 0.944 | bb |
| 4 | 190628K2_4 | 400 | 1.25 | NO | 39.96 | 1.061 | 5.73e6 | 1.32e6 | 435 | 8.7 | 1.09 | bb |
| 5 | 190628K2_5 | 1000 | 1.26 | NO | 39.96 | 1.061 | 1.48e7 | 1.36e6 | 1090 | 9.3 | 1.09 | bb |
| 6 | 190628K2_6 | 50.0 | 1.28 | NO | 39.94 | 1.060 | 5.83e5 | 1.18e6 | 49.4 | -1.2 | 0.988 | bb |

Compound name: PCB-136

Response Factor: 0.843264

RRF SD: 0.0815883, Relative SD: 9.67531

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.18 | NO | 40.29 | 1.070 | 2.35e3 | 1.26e6 | 0.221 | -11.4 | 0.747 | bd |
| 2 | 190628K2_2 | 1.00 | 1.25 | NO | 40.29 | 1.070 | 9.38e3 | 1.20e6 | 0.924 | -7.6 | 0.779 | bd |
| 3 | 190628K2_3 | 2.50 | 1.30 | NO | 40.29 | 1.070 | 2.39e4 | 1.15e6 | 2.47 | -1.3 | 0.832 | bd |
| 4 | 190628K2_4 | 400 | 1.25 | NO | 40.29 | 1.070 | 4.93e6 | 1.32e6 | 443 | 10.9 | 0.935 | bd |
| 5 | 190628K2_5 | 1000 | 1.24 | NO | 40.29 | 1.070 | 1.29e7 | 1.36e6 | 1120 | 12.4 | 0.947 | bd |
| 6 | 190628K2_6 | 50.0 | 1.24 | NO | 40.28 | 1.069 | 4.83e5 | 1.18e6 | 48.6 | -2.9 | 0.819 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-148

Response Factor: 0.693324

RRF SD: 0.0389325, Relative SD: 5.61534

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.07 | NO | 40.41 | 1.073 | 2.10e3 | 1.26e6 | 0.241 | -3.6 | 0.669 | db |
| 2 | 190628K2_2 | 1.00 | 1.30 | NO | 40.41 | 1.073 | 7.64e3 | 1.20e6 | 0.916 | -8.4 | 0.635 | db |
| 3 | 190628K2_3 | 2.50 | 1.23 | NO | 40.41 | 1.073 | 1.96e4 | 1.15e6 | 2.45 | -1.9 | 0.680 | db |
| 4 | 190628K2_4 | 400 | 1.27 | NO | 40.40 | 1.073 | 3.82e6 | 1.32e6 | 418 | 4.5 | 0.725 | db |
| 5 | 190628K2_5 | 1000 | 1.28 | NO | 40.41 | 1.073 | 1.00e7 | 1.36e6 | 1060 | 6.4 | 0.738 | db |
| 6 | 190628K2_6 | 50.0 | 1.30 | NO | 40.39 | 1.072 | 4.21e5 | 1.18e6 | 51.5 | 3.0 | 0.714 | db |

Compound name: PCB-154

Response Factor: 0.723934

RRF SD: 0.0397493, Relative SD: 5.49074

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.33 | NO | 40.91 | 1.086 | 2.10e3 | 1.26e6 | 0.231 | -7.6 | 0.669 | bb |
| 2 | 190628K2_2 | 1.00 | 1.15 | NO | 40.91 | 1.086 | 8.35e3 | 1.20e6 | 0.958 | -4.2 | 0.694 | bb |
| 3 | 190628K2_3 | 2.50 | 1.34 | NO | 40.91 | 1.086 | 2.06e4 | 1.15e6 | 2.47 | -1.2 | 0.715 | bb |
| 4 | 190628K2_4 | 400 | 1.25 | NO | 40.91 | 1.086 | 4.04e6 | 1.32e6 | 424 | 5.9 | 0.767 | bb |
| 5 | 190628K2_5 | 1000 | 1.25 | NO | 40.91 | 1.086 | 1.04e7 | 1.36e6 | 1060 | 6.1 | 0.768 | bb |
| 6 | 190628K2_6 | 50.0 | 1.25 | NO | 40.91 | 1.086 | 4.31e5 | 1.18e6 | 50.5 | 1.0 | 0.731 | bb |

Compound name: PCB-151

Response Factor: 0.632039

RRF SD: 0.0345567, Relative SD: 5.46749

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.31 | NO | 41.58 | 1.104 | 2.01e3 | 1.26e6 | 0.252 | 0.8 | 0.637 | bd |
| 2 | 190628K2_2 | 1.00 | 1.36 | NO | 41.58 | 1.104 | 6.97e3 | 1.20e6 | 0.917 | -8.3 | 0.579 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-151

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.28 | NO | 41.58 | 1.104 | 1.73e4 | 1.15e6 | 2.38 | -4.7 | 0.602 | bd |
| 4 | 190628K2_4 | 400 | 1.25 | NO | 41.58 | 1.104 | 3.47e6 | 1.32e6 | 417 | 4.2 | 0.659 | bd |
| 5 | 190628K2_5 | 1000 | 1.25 | NO | 41.58 | 1.104 | 9.08e6 | 1.36e6 | 1060 | 5.9 | 0.669 | bd |
| 6 | 190628K2_6 | 50.0 | 1.27 | NO | 41.56 | 1.103 | 3.81e5 | 1.18e6 | 51.1 | 2.1 | 0.645 | bd |

Compound name: PCB-135

Response Factor: 0.715935
 RRF SD: 0.0574656, Relative SD: 8.02666
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.23 | NO | 41.80 | 1.110 | 2.07e3 | 1.26e6 | 0.230 | -7.9 | 0.659 | dd |
| 2 | 190628K2_2 | 1.00 | 1.18 | NO | 41.80 | 1.110 | 8.09e3 | 1.20e6 | 0.939 | -6.1 | 0.672 | dd |
| 3 | 190628K2_3 | 2.50 | 1.20 | NO | 41.80 | 1.110 | 1.98e4 | 1.15e6 | 2.40 | -3.8 | 0.689 | dd |
| 4 | 190628K2_4 | 400 | 1.24 | NO | 41.80 | 1.110 | 4.09e6 | 1.32e6 | 433 | 8.3 | 0.776 | dd |
| 5 | 190628K2_5 | 1000 | 1.26 | NO | 41.80 | 1.110 | 1.08e7 | 1.36e6 | 1120 | 11.6 | 0.799 | dd |
| 6 | 190628K2_6 | 50.0 | 1.25 | NO | 41.78 | 1.109 | 4.13e5 | 1.18e6 | 49.0 | -2.1 | 0.701 | dd |

Compound name: PCB-144

Response Factor: 0.666578
 RRF SD: 0.0279019, Relative SD: 4.18584
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.38 | NO | 41.91 | 1.113 | 2.12e3 | 1.26e6 | 0.253 | 1.1 | 0.674 | MM |
| 2 | 190628K2_2 | 1.00 | 1.39 | NO | 41.91 | 1.113 | 7.51e3 | 1.20e6 | 0.937 | -6.3 | 0.624 | dd |
| 3 | 190628K2_3 | 2.50 | 1.24 | NO | 41.91 | 1.113 | 1.86e4 | 1.15e6 | 2.42 | -3.2 | 0.645 | dd |
| 4 | 190628K2_4 | 400 | 1.26 | NO | 41.91 | 1.113 | 3.52e6 | 1.32e6 | 400 | 0.1 | 0.667 | dd |
| 5 | 190628K2_5 | 1000 | 1.29 | NO | 41.91 | 1.113 | 9.35e6 | 1.36e6 | 1030 | 3.4 | 0.689 | dd |
| 6 | 190628K2_6 | 50.0 | 1.25 | NO | 41.90 | 1.112 | 4.13e5 | 1.18e6 | 52.5 | 5.0 | 0.700 | dd |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-147

Response Factor: 0.660977

RRF SD: 0.0728265, Relative SD: 11.018

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.25 | NO | 42.04 | 1.116 | 1.90e3 | 1.26e6 | 0.229 | -8.6 | 0.604 | db |
| 2 | 190628K2_2 | 1.00 | 1.24 | NO | 42.04 | 1.116 | 7.38e3 | 1.20e6 | 0.928 | -7.2 | 0.613 | dd |
| 3 | 190628K2_3 | 2.50 | 1.24 | NO | 42.04 | 1.116 | 1.68e4 | 1.15e6 | 2.20 | -11.9 | 0.582 | db |
| 4 | 190628K2_4 | 400 | 1.26 | NO | 42.04 | 1.116 | 3.86e6 | 1.32e6 | 443 | 10.8 | 0.732 | db |
| 5 | 190628K2_5 | 1000 | 1.26 | NO | 42.04 | 1.116 | 1.03e7 | 1.36e6 | 1150 | 14.8 | 0.759 | db |
| 6 | 190628K2_6 | 50.0 | 1.29 | NO | 42.04 | 1.116 | 3.98e5 | 1.18e6 | 51.0 | 2.1 | 0.675 | db |

Compound name: PCB-139/149

Response Factor: 0.738277

RRF SD: 0.0604362, Relative SD: 8.18612

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.30 | NO | 42.32 | 1.123 | 4.21e3 | 1.26e6 | 0.453 | -9.3 | 0.669 | bd |
| 2 | 190628K2_2 | 2.00 | 1.25 | NO | 42.32 | 1.123 | 1.65e4 | 1.20e6 | 1.86 | -7.0 | 0.687 | dd |
| 3 | 190628K2_3 | 5.00 | 1.22 | NO | 42.32 | 1.123 | 4.07e4 | 1.15e6 | 4.79 | -4.1 | 0.708 | bd |
| 4 | 190628K2_4 | 800 | 1.25 | NO | 42.32 | 1.123 | 8.37e6 | 1.32e6 | 860 | 7.5 | 0.794 | bd |
| 5 | 190628K2_5 | 2000 | 1.24 | NO | 42.32 | 1.123 | 2.23e7 | 1.36e6 | 2220 | 11.1 | 0.820 | bd |
| 6 | 190628K2_6 | 100 | 1.25 | NO | 42.30 | 1.123 | 8.87e5 | 1.18e6 | 102 | 1.8 | 0.752 | bd |

Compound name: PCB-140

Response Factor: 0.627323

RRF SD: 0.0587009, Relative SD: 9.35736

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.40 | NO | 42.51 | 1.128 | 1.65e3 | 1.26e6 | 0.209 | -16.3 | 0.525 | MM |
| 2 | 190628K2_2 | 1.00 | 1.24 | NO | 42.51 | 1.128 | 7.28e3 | 1.20e6 | 0.964 | -3.6 | 0.605 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-140

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.26 | NO | 42.51 | 1.128 | 1.83e4 | 1.15e6 | 2.53 | 1.3 | 0.636 | db |
| 4 | 190628K2_4 | 400 | 1.27 | NO | 42.51 | 1.128 | 3.51e6 | 1.32e6 | 425 | 6.1 | 0.666 | db |
| 5 | 190628K2_5 | 1000 | 1.25 | NO | 42.51 | 1.128 | 9.44e6 | 1.36e6 | 1110 | 10.9 | 0.696 | db |
| 6 | 190628K2_6 | 50.0 | 1.26 | NO | 42.51 | 1.128 | 3.75e5 | 1.18e6 | 50.8 | 1.5 | 0.637 | db |

Compound name: PCB-134/143

Response Factor: 0.733336

RRF SD: 0.0649184, Relative SD: 8.85247

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.19 | NO | 42.96 | 0.975 | 2.92e3 | 9.27e5 | 0.430 | -14.0 | 0.630 | bb |
| 2 | 190628K2_2 | 2.00 | 1.25 | NO | 42.96 | 0.975 | 1.27e4 | 8.81e5 | 1.96 | -1.8 | 0.720 | bb |
| 3 | 190628K2_3 | 5.00 | 1.27 | NO | 42.96 | 0.975 | 3.02e4 | 8.55e5 | 4.82 | -3.6 | 0.707 | bd |
| 4 | 190628K2_4 | 800 | 1.20 | NO | 42.96 | 0.975 | 6.36e6 | 1.01e6 | 858 | 7.3 | 0.787 | bb |
| 5 | 190628K2_5 | 2000 | 1.20 | NO | 42.96 | 0.975 | 1.69e7 | 1.04e6 | 2220 | 11.2 | 0.815 | bb |
| 6 | 190628K2_6 | 100 | 1.20 | NO | 42.96 | 0.975 | 6.70e5 | 9.04e5 | 101 | 1.0 | 0.741 | bb |

Compound name: PCB-131/133

Response Factor: 0.790167

RRF SD: 0.0625609, Relative SD: 7.91744

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.39 | NO | 43.28 | 0.982 | 3.44e3 | 9.27e5 | 0.469 | -6.1 | 0.742 | bd |
| 2 | 190628K2_2 | 2.00 | 1.13 | NO | 43.28 | 0.982 | 1.29e4 | 8.81e5 | 1.85 | -7.3 | 0.732 | bd |
| 3 | 190628K2_3 | 5.00 | 1.18 | NO | 43.28 | 0.982 | 3.19e4 | 8.55e5 | 4.73 | -5.4 | 0.747 | dd |
| 4 | 190628K2_4 | 800 | 1.20 | NO | 43.26 | 0.982 | 6.82e6 | 1.01e6 | 854 | 6.7 | 0.843 | bd |
| 5 | 190628K2_5 | 2000 | 1.20 | NO | 43.26 | 0.982 | 1.84e7 | 1.04e6 | 2240 | 12.1 | 0.886 | bd |
| 6 | 190628K2_6 | 100 | 1.21 | NO | 43.26 | 0.982 | 7.15e5 | 9.04e5 | 100 | 0.0 | 0.791 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-142

Response Factor: 0.70805

RRF SD: 0.0486153, Relative SD: 6.86609

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.21 | NO | 43.43 | 0.985 | 1.49e3 | 9.27e5 | 0.227 | -9.1 | 0.643 | dd |
| 2 | 190628K2_2 | 1.00 | 1.25 | NO | 43.43 | 0.985 | 5.88e3 | 8.81e5 | 0.943 | -5.7 | 0.668 | dd |
| 3 | 190628K2_3 | 2.50 | 1.25 | NO | 43.43 | 0.985 | 1.50e4 | 8.55e5 | 2.47 | -1.1 | 0.700 | dd |
| 4 | 190628K2_4 | 400 | 1.21 | NO | 43.43 | 0.985 | 3.02e6 | 1.01e6 | 422 | 5.6 | 0.748 | dd |
| 5 | 190628K2_5 | 1000 | 1.20 | NO | 43.43 | 0.985 | 8.03e6 | 1.04e6 | 1090 | 9.3 | 0.774 | dd |
| 6 | 190628K2_6 | 50.0 | 1.18 | NO | 43.43 | 0.986 | 3.23e5 | 9.04e5 | 50.5 | 1.0 | 0.715 | dd |

Compound name: PCB-146/165

Response Factor: 0.959441

RRF SD: 0.0771456, Relative SD: 8.04068

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.06 | NO | 43.66 | 0.990 | 4.07e3 | 9.27e5 | 0.458 | -8.5 | 0.878 | dd |
| 2 | 190628K2_2 | 2.00 | 1.28 | NO | 43.66 | 0.991 | 1.57e4 | 8.81e5 | 1.86 | -7.2 | 0.890 | dd |
| 3 | 190628K2_3 | 5.00 | 1.19 | NO | 43.66 | 0.991 | 3.90e4 | 8.55e5 | 4.76 | -4.8 | 0.914 | dd |
| 4 | 190628K2_4 | 800 | 1.18 | NO | 43.66 | 0.990 | 8.31e6 | 1.01e6 | 857 | 7.1 | 1.03 | dd |
| 5 | 190628K2_5 | 2000 | 1.19 | NO | 43.66 | 0.990 | 2.21e7 | 1.04e6 | 2220 | 11.0 | 1.06 | dd |
| 6 | 190628K2_6 | 100 | 1.20 | NO | 43.66 | 0.991 | 8.88e5 | 9.04e5 | 102 | 2.4 | 0.982 | dd |

Compound name: PCB-132/161

Response Factor: 0.974412

RRF SD: 0.073899, Relative SD: 7.58396

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.28 | NO | 43.91 | 0.996 | 4.19e3 | 9.27e5 | 0.464 | -7.2 | 0.904 | dd |
| 2 | 190628K2_2 | 2.00 | 1.15 | NO | 43.91 | 0.996 | 1.57e4 | 8.81e5 | 1.83 | -8.6 | 0.891 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-132/161

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 5.00 | 1.24 | NO | 43.91 | 0.996 | 4.02e4 | 8.55e5 | 4.83 | -3.4 | 0.941 | dd |
| 4 | 190628K2_4 | 800 | 1.20 | NO | 43.91 | 0.996 | 8.41e6 | 1.01e6 | 854 | 6.7 | 1.04 | dd |
| 5 | 190628K2_5 | 2000 | 1.20 | NO | 43.91 | 0.996 | 2.22e7 | 1.04e6 | 2200 | 9.9 | 1.07 | dd |
| 6 | 190628K2_6 | 100 | 1.19 | NO | 43.89 | 0.996 | 9.04e5 | 9.04e5 | 103 | 2.6 | 1.00 | dd |

Compound name: PCB-153

Response Factor: 1.01206

RRF SD: 0.0508241, Relative SD: 5.02183

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.09 | NO | 44.10 | 1.000 | 2.16e3 | 9.27e5 | 0.230 | -8.1 | 0.931 | dd |
| 2 | 190628K2_2 | 1.00 | 1.26 | NO | 44.10 | 1.000 | 8.66e3 | 8.81e5 | 0.972 | -2.8 | 0.983 | dd |
| 3 | 190628K2_3 | 2.50 | 1.17 | NO | 44.10 | 1.000 | 2.18e4 | 8.55e5 | 2.51 | 0.6 | 1.02 | dd |
| 4 | 190628K2_4 | 400 | 1.19 | NO | 44.10 | 1.000 | 4.25e6 | 1.01e6 | 415 | 3.9 | 1.05 | dd |
| 5 | 190628K2_5 | 1000 | 1.21 | NO | 44.10 | 1.000 | 1.12e7 | 1.04e6 | 1060 | 6.1 | 1.07 | dd |
| 6 | 190628K2_6 | 50.0 | 1.21 | NO | 44.08 | 1.000 | 4.59e5 | 9.04e5 | 50.1 | 0.3 | 1.01 | dd |

Compound name: PCB-168

Response Factor: 1.01943

RRF SD: 0.0750741, Relative SD: 7.3643

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.13 | NO | 44.32 | 1.006 | 2.20e3 | 9.27e5 | 0.233 | -6.7 | 0.951 | db |
| 2 | 190628K2_2 | 1.00 | 1.19 | NO | 44.32 | 1.006 | 8.43e3 | 8.81e5 | 0.938 | -6.2 | 0.956 | db |
| 3 | 190628K2_3 | 2.50 | 1.17 | NO | 44.32 | 1.006 | 2.06e4 | 8.55e5 | 2.37 | -5.3 | 0.966 | db |
| 4 | 190628K2_4 | 400 | 1.19 | NO | 44.31 | 1.005 | 4.39e6 | 1.01e6 | 426 | 6.4 | 1.09 | db |
| 5 | 190628K2_5 | 1000 | 1.19 | NO | 44.31 | 1.005 | 1.17e7 | 1.04e6 | 1110 | 10.8 | 1.13 | db |
| 6 | 190628K2_6 | 50.0 | 1.21 | NO | 44.31 | 1.006 | 4.65e5 | 9.04e5 | 50.5 | 0.9 | 1.03 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-141

Response Factor: 0.967037

RRF SD: 0.0609512, Relative SD: 6.30288

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 | 190628K2_1 | 0.250 | 1.24 | NO | 44.87 | 1.001 | 1.69e3 | 7.44e5 | 0.235 | -6.2 | 0.907 | MM |
| 2 | 190628K2_2 | 1.00 | 1.13 | NO | 44.85 | 1.000 | 6.48e3 | 7.19e5 | 0.932 | -6.8 | 0.901 | bd |
| 3 | 190628K2_3 | 2.50 | 1.14 | NO | 44.87 | 1.001 | 1.59e4 | 6.77e5 | 2.43 | -2.8 | 0.940 | MM |
| 4 | 190628K2_4 | 400 | 1.19 | NO | 44.85 | 1.000 | 3.31e6 | 8.10e5 | 422 | 5.5 | 1.02 | bd |
| 5 | 190628K2_5 | 1000 | 1.19 | NO | 44.85 | 1.000 | 8.62e6 | 8.22e5 | 1090 | 8.5 | 1.05 | MM |
| 6 | 190628K2_6 | 50.0 | 1.21 | NO | 44.85 | 1.000 | 3.62e5 | 7.35e5 | 50.9 | 1.7 | 0.984 | bd |

Compound name: PCB-137

Response Factor: 0.987216

RRF SD: 0.0992612, Relative SD: 10.0547

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 | 190628K2_1 | 0.250 | 1.18 | NO | 45.25 | 1.009 | 1.71e3 | 7.44e5 | 0.233 | -7.0 | 0.918 | bd |
| 2 | 190628K2_2 | 1.00 | 1.23 | NO | 45.25 | 1.009 | 6.29e3 | 7.19e5 | 0.887 | -11.3 | 0.875 | bd |
| 3 | 190628K2_3 | 2.50 | 1.17 | NO | 45.25 | 1.009 | 1.62e4 | 6.77e5 | 2.43 | -2.9 | 0.959 | bd |
| 4 | 190628K2_4 | 400 | 1.19 | NO | 45.25 | 1.009 | 3.52e6 | 8.10e5 | 440 | 10.1 | 1.09 | bd |
| 5 | 190628K2_5 | 1000 | 1.19 | NO | 45.25 | 1.009 | 9.28e6 | 8.22e5 | 1140 | 14.4 | 1.13 | bd |
| 6 | 190628K2_6 | 50.0 | 1.17 | NO | 45.25 | 1.009 | 3.51e5 | 7.35e5 | 48.4 | -3.3 | 0.955 | bd |

Compound name: PCB-130

Response Factor: 0.840114

RRF SD: 0.0861451, Relative SD: 10.254

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 | 190628K2_1 | 0.250 | 1.28 | NO | 45.37 | 1.012 | 1.27e3 | 7.44e5 | 0.204 | -18.4 | 0.685 | MM |
| 2 | 190628K2_2 | 1.00 | 1.29 | NO | 45.37 | 1.012 | 5.85e3 | 7.19e5 | 0.969 | -3.1 | 0.814 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-130

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.24 | NO | 45.37 | 1.012 | 1.41e4 | 6.77e5 | 2.48 | -0.6 | 0.835 | MM |
| 4 | 190628K2_4 | 400 | 1.21 | NO | 45.35 | 1.011 | 2.86e6 | 8.10e5 | 420 | 5.1 | 0.883 | MM |
| 5 | 190628K2_5 | 1000 | 1.20 | NO | 45.37 | 1.012 | 7.59e6 | 8.22e5 | 1100 | 9.9 | 0.924 | MM |
| 6 | 190628K2_6 | 50.0 | 1.19 | NO | 45.35 | 1.011 | 3.31e5 | 7.35e5 | 53.6 | 7.1 | 0.900 | MM |

Compound name: PCB-138/163/164

Response Factor: 1.2264

RRF SD: 0.0988535, Relative SD: 8.06047

Response type: Internal Std (Ref 198), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.750 | 1.14 | NO | 45.74 | 1.001 | 6.33e3 | 7.59e5 | 0.680 | -9.3 | 1.11 | bd |
| 2 | 190628K2_2 | 3.00 | 1.18 | NO | 45.76 | 1.001 | 2.49e4 | 7.22e5 | 2.82 | -6.1 | 1.15 | bd |
| 3 | 190628K2_3 | 7.50 | 1.17 | NO | 45.76 | 1.001 | 6.23e4 | 7.06e5 | 7.20 | -4.0 | 1.18 | bd |
| 4 | 190628K2_4 | 1200 | 1.20 | NO | 45.74 | 1.001 | 1.33e7 | 8.40e5 | 1290 | 7.7 | 1.32 | bd |
| 5 | 190628K2_5 | 3000 | 1.20 | NO | 45.74 | 1.001 | 3.57e7 | 8.73e5 | 3340 | 11.2 | 1.36 | bd |
| 6 | 190628K2_6 | 150 | 1.19 | NO | 45.74 | 1.001 | 1.41e6 | 7.59e5 | 151 | 0.6 | 1.23 | bd |

Compound name: PCB-158/160

Response Factor: 1.17823

RRF SD: 0.0898972, Relative SD: 7.62985

Response type: Internal Std (Ref 198), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.13 | NO | 45.99 | 1.006 | 3.96e3 | 7.59e5 | 0.443 | -11.3 | 1.04 | dd |
| 2 | 190628K2_2 | 2.00 | 1.17 | NO | 46.01 | 1.007 | 1.69e4 | 7.22e5 | 1.99 | -0.6 | 1.17 | dd |
| 3 | 190628K2_3 | 5.00 | 1.20 | NO | 46.01 | 1.007 | 3.93e4 | 7.06e5 | 4.72 | -5.5 | 1.11 | dd |
| 4 | 190628K2_4 | 800 | 1.20 | NO | 45.99 | 1.006 | 8.48e6 | 8.40e5 | 857 | 7.1 | 1.26 | dd |
| 5 | 190628K2_5 | 2000 | 1.20 | NO | 45.99 | 1.006 | 2.24e7 | 8.73e5 | 2180 | 8.8 | 1.28 | dd |
| 6 | 190628K2_6 | 100 | 1.21 | NO | 45.99 | 1.007 | 9.08e5 | 7.59e5 | 102 | 1.5 | 1.20 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-129

Response Factor: 0.819299
 RRF SD: 0.0425482, Relative SD: 5.19325
 Response type: Internal Std (Ref 198), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.35 | NO | 46.24 | 1.012 | 1.53e3 | 7.59e5 | 0.245 | -1.9 | 0.804 | MM |
| 2 | 190628K2_2 | 1.00 | 1.32 | NO | 46.26 | 1.012 | 5.61e3 | 7.22e5 | 0.948 | -5.2 | 0.777 | db |
| 3 | 190628K2_3 | 2.50 | 1.16 | NO | 46.26 | 1.012 | 1.39e4 | 7.06e5 | 2.41 | -3.7 | 0.789 | db |
| 4 | 190628K2_4 | 400 | 1.20 | NO | 46.24 | 1.012 | 2.91e6 | 8.40e5 | 423 | 5.6 | 0.866 | db |
| 5 | 190628K2_5 | 1000 | 1.20 | NO | 46.24 | 1.012 | 7.68e6 | 8.73e5 | 1070 | 7.4 | 0.880 | db |
| 6 | 190628K2_6 | 50.0 | 1.20 | NO | 46.24 | 1.012 | 3.04e5 | 7.59e5 | 48.9 | -2.3 | 0.801 | db |

Compound name: PCB-166

Response Factor: 1.06912
 RRF SD: 0.0702558, Relative SD: 6.57138
 Response type: Internal Std (Ref 199), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.31 | NO | 46.71 | 0.993 | 2.23e3 | 9.24e5 | 0.225 | -9.9 | 0.964 | MM |
| 2 | 190628K2_2 | 1.00 | 1.31 | NO | 46.71 | 0.993 | 8.74e3 | 8.65e5 | 0.945 | -5.5 | 1.01 | MM |
| 3 | 190628K2_3 | 2.50 | 1.17 | NO | 46.73 | 0.994 | 2.27e4 | 8.45e5 | 2.51 | 0.5 | 1.07 | MM |
| 4 | 190628K2_4 | 400 | 1.19 | NO | 46.71 | 0.993 | 4.64e6 | 1.03e6 | 423 | 5.7 | 1.13 | MM |
| 5 | 190628K2_5 | 1000 | 1.18 | NO | 46.71 | 0.993 | 1.24e7 | 1.08e6 | 1070 | 7.2 | 1.15 | MM |
| 6 | 190628K2_6 | 50.0 | 1.20 | NO | 46.71 | 0.993 | 5.04e5 | 9.24e5 | 51.0 | 2.0 | 1.09 | MM |

Compound name: PCB-159

Response Factor: 1.11915
 RRF SD: 0.0803637, Relative SD: 7.18078
 Response type: Internal Std (Ref 199), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.19 | NO | 47.05 | 1.000 | 2.32e3 | 9.24e5 | 0.225 | -10.2 | 1.01 | MM |
| 2 | 190628K2_2 | 1.00 | 1.21 | NO | 47.07 | 1.001 | 9.40e3 | 8.65e5 | 0.972 | -2.8 | 1.09 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-159

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.21 | NO | 47.05 | 1.000 | 2.35e4 | 8.45e5 | 2.49 | -0.4 | 1.11 | MM |
| 4 | 190628K2_4 | 400 | 1.17 | NO | 47.05 | 1.000 | 4.94e6 | 1.03e6 | 430 | 7.5 | 1.20 | MM |
| 5 | 190628K2_5 | 1000 | 1.20 | NO | 47.05 | 1.000 | 1.32e7 | 1.08e6 | 1090 | 9.0 | 1.22 | MM |
| 6 | 190628K2_6 | 50.0 | 1.20 | NO | 47.05 | 1.000 | 5.02e5 | 9.24e5 | 48.5 | -3.0 | 1.09 | MM |

Compound name: PCB-128/162

Response Factor: 0.850603

RRF SD: 0.0565302, Relative SD: 6.6459

Response type: Internal Std (Ref 199), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 1.38 | NO | 47.35 | 1.007 | 3.53e3 | 9.24e5 | 0.450 | -10.0 | 0.765 | MM |
| 2 | 190628K2_2 | 2.00 | 1.25 | NO | 47.35 | 1.007 | 1.43e4 | 8.65e5 | 1.94 | -2.8 | 0.827 | MM |
| 3 | 190628K2_3 | 5.00 | 1.18 | NO | 47.35 | 1.007 | 3.50e4 | 8.45e5 | 4.86 | -2.7 | 0.828 | MM |
| 4 | 190628K2_4 | 800 | 1.19 | NO | 47.35 | 1.007 | 7.45e6 | 1.03e6 | 853 | 6.6 | 0.907 | MM |
| 5 | 190628K2_5 | 2000 | 1.20 | NO | 47.35 | 1.007 | 1.98e7 | 1.08e6 | 2150 | 7.7 | 0.917 | MM |
| 6 | 190628K2_6 | 100 | 1.16 | NO | 47.34 | 1.006 | 7.96e5 | 9.24e5 | 101 | 1.2 | 0.861 | MM |

Compound name: PCB-167

Response Factor: 1.04252

RRF SD: 0.0508137, Relative SD: 4.87414

Response type: Internal Std (Ref 200), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.15 | NO | 47.75 | 1.000 | 2.26e3 | 9.22e5 | 0.235 | -6.0 | 0.980 | bb |
| 2 | 190628K2_2 | 1.00 | 1.27 | NO | 47.75 | 1.000 | 8.71e3 | 8.60e5 | 0.972 | -2.8 | 1.01 | bb |
| 3 | 190628K2_3 | 2.50 | 1.14 | NO | 47.75 | 1.000 | 2.16e4 | 8.45e5 | 2.45 | -2.0 | 1.02 | bb |
| 4 | 190628K2_4 | 400 | 1.19 | NO | 47.75 | 1.000 | 4.42e6 | 1.01e6 | 419 | 4.8 | 1.09 | bb |
| 5 | 190628K2_5 | 1000 | 1.20 | NO | 47.75 | 1.000 | 1.19e7 | 1.07e6 | 1070 | 6.8 | 1.11 | bb |
| 6 | 190628K2_6 | 50.0 | 1.20 | NO | 47.75 | 1.000 | 4.76e5 | 9.21e5 | 49.6 | -0.7 | 1.03 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-156

Response Factor: 1.05686

RRF SD: 0.0791886, Relative SD: 7.49284

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.42 | NO | 49.10 | 1.001 | 2.18e3 | 8.89e5 | 0.232 | -7.3 | 0.979 | MM |
| 2 | 190628K2_2 | 1.00 | 1.16 | NO | 49.10 | 1.000 | 8.12e3 | 8.48e5 | 0.906 | -9.4 | 0.957 | dd |
| 3 | 190628K2_3 | 2.50 | 1.24 | NO | 49.10 | 1.000 | 2.13e4 | 8.22e5 | 2.45 | -1.9 | 1.04 | bd |
| 4 | 190628K2_4 | 400 | 1.20 | NO | 49.08 | 1.000 | 4.55e6 | 1.01e6 | 427 | 6.8 | 1.13 | bb |
| 5 | 190628K2_5 | 1000 | 1.20 | NO | 49.08 | 1.000 | 1.23e7 | 1.07e6 | 1090 | 8.9 | 1.15 | bb |
| 6 | 190628K2_6 | 50.0 | 1.21 | NO | 49.08 | 1.000 | 4.83e5 | 8.87e5 | 51.5 | 3.1 | 1.09 | bd |

Compound name: PCB-157

Response Factor: 0.977804

RRF SD: 0.0504139, Relative SD: 5.15583

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.40 | NO | 49.36 | 1.000 | 2.09e3 | 9.06e5 | 0.236 | -5.5 | 0.924 | bd |
| 2 | 190628K2_2 | 1.00 | 1.25 | NO | 49.36 | 1.000 | 7.73e3 | 8.34e5 | 0.947 | -5.3 | 0.926 | dd |
| 3 | 190628K2_3 | 2.50 | 1.20 | NO | 49.36 | 1.000 | 2.01e4 | 8.40e5 | 2.45 | -1.9 | 0.959 | dd |
| 4 | 190628K2_4 | 400 | 1.21 | NO | 49.36 | 1.000 | 4.15e6 | 1.01e6 | 420 | 4.9 | 1.03 | bd |
| 5 | 190628K2_5 | 1000 | 1.19 | NO | 49.36 | 1.000 | 1.11e7 | 1.07e6 | 1070 | 6.7 | 1.04 | bd |
| 6 | 190628K2_6 | 50.0 | 1.21 | NO | 49.36 | 1.000 | 4.45e5 | 9.01e5 | 50.6 | 1.1 | 0.989 | dd |

Compound name: PCB-169

Response Factor: 1.10708

RRF SD: 0.0633689, Relative SD: 5.72399

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.19 | NO | 51.64 | 1.000 | 2.38e3 | 8.71e5 | 0.247 | -1.2 | 1.09 | bb |
| 2 | 190628K2_2 | 1.00 | 1.27 | NO | 51.64 | 1.000 | 8.19e3 | 8.00e5 | 0.926 | -7.4 | 1.02 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-169

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.15 | NO | 51.64 | 1.000 | 2.10e4 | 7.92e5 | 2.39 | -4.3 | 1.06 | MM |
| 4 | 190628K2_4 | 400 | 1.21 | NO | 51.64 | 1.000 | 4.54e6 | 9.82e5 | 417 | 4.3 | 1.15 | bb |
| 5 | 190628K2_5 | 1000 | 1.19 | NO | 51.64 | 1.000 | 1.23e7 | 1.02e6 | 1080 | 8.4 | 1.20 | bb |
| 6 | 190628K2_6 | 50.0 | 1.23 | NO | 51.64 | 1.000 | 4.75e5 | 8.55e5 | 50.2 | 0.3 | 1.11 | bb |

Compound name: PCB-188

Response Factor: 1.19315
 RRF SD: 0.0897588, Relative SD: 7.52285
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.12 | NO | 43.72 | 1.001 | 2.33e3 | 9.11e5 | 0.214 | -14.3 | 1.02 | bb |
| 2 | 190628K2_2 | 1.00 | 0.98 | NO | 43.72 | 1.000 | 1.06e4 | 8.63e5 | 1.03 | 2.9 | 1.23 | bb |
| 3 | 190628K2_3 | 2.50 | 1.00 | NO | 43.72 | 1.000 | 2.44e4 | 8.36e5 | 2.45 | -2.1 | 1.17 | bb |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 43.72 | 1.001 | 5.06e6 | 1.01e6 | 420 | 4.9 | 1.25 | bb |
| 5 | 190628K2_5 | 1000 | 1.04 | NO | 43.72 | 1.001 | 1.34e7 | 1.06e6 | 1060 | 5.9 | 1.26 | bb |
| 6 | 190628K2_6 | 50.0 | 1.04 | NO | 43.70 | 1.000 | 5.37e5 | 8.78e5 | 51.3 | 2.6 | 1.22 | bb |

Compound name: PCB-184

Response Factor: 1.16671
 RRF SD: 0.0410641, Relative SD: 3.51965
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.97 | NO | 44.17 | 1.011 | 2.48e3 | 9.11e5 | 0.233 | -6.8 | 1.09 | bb |
| 2 | 190628K2_2 | 1.00 | 1.07 | NO | 44.17 | 1.011 | 1.00e4 | 8.63e5 | 0.997 | -0.3 | 1.16 | bb |
| 3 | 190628K2_3 | 2.50 | 1.00 | NO | 44.17 | 1.011 | 2.46e4 | 8.36e5 | 2.52 | 0.7 | 1.17 | bd |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 44.17 | 1.011 | 4.82e6 | 1.01e6 | 409 | 2.2 | 1.19 | bb |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 44.17 | 1.011 | 1.26e7 | 1.06e6 | 1020 | 1.7 | 1.19 | bb |
| 6 | 190628K2_6 | 50.0 | 1.05 | NO | 44.17 | 1.011 | 5.26e5 | 8.78e5 | 51.3 | 2.6 | 1.20 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-179

Response Factor: 1.17611

RRF SD: 0.0248224, Relative SD: 2.11054

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 |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.09 | NO | 44.99 | 1.030 | 2.62e3 | 9.11e5 | 0.244 | -2.2 | 1.15 | bb |
| 2 | 190628K2_2 | 1.00 | 1.13 | NO | 44.99 | 1.029 | 1.01e4 | 8.63e5 | 0.998 | -0.2 | 1.17 | bb |
| 3 | 190628K2_3 | 2.50 | 1.04 | NO | 44.99 | 1.029 | 2.39e4 | 8.36e5 | 2.43 | -2.7 | 1.14 | bb |
| 4 | 190628K2_4 | 400 | 1.03 | NO | 44.97 | 1.030 | 4.83e6 | 1.01e6 | 406 | 1.5 | 1.19 | bb |
| 5 | 190628K2_5 | 1000 | 1.04 | NO | 44.99 | 1.030 | 1.26e7 | 1.06e6 | 1010 | 1.1 | 1.19 | bb |
| 6 | 190628K2_6 | 50.0 | 1.03 | NO | 44.97 | 1.030 | 5.30e5 | 8.78e5 | 51.3 | 2.6 | 1.21 | bb |

Compound name: PCB-176

Response Factor: 1.15933

RRF SD: 0.0527895, Relative SD: 4.55344

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 |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.01 | NO | 45.46 | 1.041 | 2.46e3 | 9.11e5 | 0.233 | -6.9 | 1.08 | bb |
| 2 | 190628K2_2 | 1.00 | 1.07 | NO | 45.46 | 1.040 | 9.59e3 | 8.63e5 | 0.958 | -4.2 | 1.11 | bb |
| 3 | 190628K2_3 | 2.50 | 1.03 | NO | 45.46 | 1.040 | 2.44e4 | 8.36e5 | 2.52 | 0.6 | 1.17 | bb |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 45.46 | 1.041 | 4.82e6 | 1.01e6 | 411 | 2.8 | 1.19 | bb |
| 5 | 190628K2_5 | 1000 | 1.04 | NO | 45.46 | 1.041 | 1.27e7 | 1.06e6 | 1030 | 3.4 | 1.20 | bb |
| 6 | 190628K2_6 | 50.0 | 1.05 | NO | 45.44 | 1.040 | 5.31e5 | 8.78e5 | 52.1 | 4.3 | 1.21 | bb |

Compound name: PCB-186

Response Factor: 1.21797

RRF SD: 0.075789, Relative SD: 6.22255

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 |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.12 | NO | 46.08 | 1.055 | 2.56e3 | 9.11e5 | 0.231 | -7.7 | 1.12 | MM |
| 2 | 190628K2_2 | 1.00 | 1.10 | NO | 46.08 | 1.055 | 9.73e3 | 8.63e5 | 0.925 | -7.5 | 1.13 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-186

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 190628K2_3 | 2.50 | 1.08 | NO | 46.08 | 1.055 | 2.54e4 | 8.36e5 | 2.50 | -0.1 | 1.22 | bb |
| 190628K2_4 | 400 | 1.04 | NO | 46.08 | 1.055 | 5.14e6 | 1.01e6 | 417 | 4.3 | 1.27 | bb |
| 190628K2_5 | 1000 | 1.03 | NO | 46.08 | 1.055 | 1.36e7 | 1.06e6 | 1050 | 5.2 | 1.28 | bb |
| 190628K2_6 | 50.0 | 1.01 | NO | 46.08 | 1.055 | 5.66e5 | 8.78e5 | 52.9 | 5.8 | 1.29 | bb |

Compound name: PCB-178

Response Factor: 0.830456

RRF SD: 0.0469064, Relative SD: 5.64827

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 |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 190628K2_1 | 0.250 | 0.92 | NO | 46.60 | 1.067 | 1.68e3 | 9.11e5 | 0.222 | -11.4 | 0.736 | MM |
| 190628K2_2 | 1.00 | 1.21 | NO | 46.60 | 1.066 | 7.27e3 | 8.63e5 | 1.01 | 1.4 | 0.842 | MM |
| 190628K2_3 | 2.50 | 1.00 | NO | 46.60 | 1.066 | 1.78e4 | 8.36e5 | 2.56 | 2.6 | 0.852 | bb |
| 190628K2_4 | 400 | 1.04 | NO | 46.60 | 1.067 | 3.40e6 | 1.01e6 | 405 | 1.2 | 0.840 | bb |
| 190628K2_5 | 1000 | 1.04 | NO | 46.60 | 1.067 | 9.03e6 | 1.06e6 | 1020 | 2.5 | 0.851 | bb |
| 190628K2_6 | 50.0 | 1.03 | NO | 46.60 | 1.067 | 3.78e5 | 8.78e5 | 51.9 | 3.7 | 0.861 | bb |

Compound name: PCB-175

Response Factor: 0.848562

RRF SD: 0.0513908, Relative SD: 6.05622

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 |
|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 190628K2_1 | 0.250 | 1.17 | NO | 46.96 | 1.075 | 1.72e3 | 9.11e5 | 0.223 | -10.8 | 0.757 | MM |
| 190628K2_2 | 1.00 | 1.10 | NO | 46.96 | 1.075 | 7.45e3 | 8.63e5 | 1.02 | 1.7 | 0.863 | bd |
| 190628K2_3 | 2.50 | 1.08 | NO | 46.96 | 1.075 | 1.72e4 | 8.36e5 | 2.43 | -3.0 | 0.823 | MM |
| 190628K2_4 | 400 | 1.03 | NO | 46.96 | 1.075 | 3.52e6 | 1.01e6 | 410 | 2.5 | 0.869 | bd |
| 190628K2_5 | 1000 | 1.03 | NO | 46.96 | 1.075 | 9.34e6 | 1.06e6 | 1040 | 3.7 | 0.880 | bd |
| 190628K2_6 | 50.0 | 1.02 | NO | 46.94 | 1.075 | 3.95e5 | 8.78e5 | 53.0 | 5.9 | 0.899 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-182/187

Response Factor: 0.960034

RRF SD: 0.0466108, Relative SD: 4.85512

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 |
|---|------------|------------|------|-----|-------|-------|--------|----------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.500 | 0.98 | NO | 47.13 | 1.079 | 3.99e3 | 9.11e5 | 0.456 | -8.8 | 0.876 | db |
| 2 | 190628K2_2 | 2.00 | 1.03 | NO | 47.15 | 1.079 | 1.64e4 | 8.63e5 | 1.98 | -0.8 | 0.952 | db |
| 3 | 190628K2_3 | 5.00 | 1.05 | NO | 47.15 | 1.079 | 3.98e4 | 8.36e5 | 4.96 | -0.8 | 0.952 | MM |
| 4 | 190628K2_4 | 800 | 1.03 | NO | 47.13 | 1.079 | 8.00e6 | 1.01e6 | 824 | 3.0 | 0.989 | db |
| 5 | 190628K2_5 | 2000 | 1.02 | NO | 47.13 | 1.079 | 2.14e7 | 1.06e6 | 2100 | 5.0 | 1.01 | db |
| 6 | 190628K2_6 | 100 | 1.04 | NO | 47.13 | 1.079 | 8.63e5 | 8.78e5 | 102 | 2.4 | 0.983 | db |

Compound name: PCB-183

Response Factor: 0.956525

RRF SD: 0.0371861, Relative SD: 3.88763

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 |
|---|------------|------------|------|-----|-------|-------|--------|----------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.07 | NO | 47.47 | 1.087 | 2.14e3 | 9.11e5 | 0.246 | -1.6 | 0.941 | bb |
| 2 | 190628K2_2 | 1.00 | 0.92 | NO | 47.47 | 1.086 | 7.78e3 | 8.63e5 | 0.943 | -5.7 | 0.902 | bb |
| 3 | 190628K2_3 | 2.50 | 0.97 | NO | 47.47 | 1.086 | 1.95e4 | 8.36e5 | 2.44 | -2.5 | 0.932 | bb |
| 4 | 190628K2_4 | 400 | 1.03 | NO | 47.45 | 1.086 | 4.00e6 | 1.01e6 | 414 | 3.4 | 0.989 | bb |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 47.45 | 1.086 | 1.05e7 | 1.06e6 | 1040 | 3.9 | 0.993 | bb |
| 6 | 190628K2_6 | 50.0 | 1.04 | NO | 47.45 | 1.086 | 4.31e5 | 8.78e5 | 51.3 | 2.6 | 0.982 | bb |

Compound name: PCB-185

Response Factor: 1.31957

RRF SD: 0.052132, Relative SD: 3.95067

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc. | RA | n/y | RT | RRT | Resp. | IS Resp. | Conc. | %Dev. | RRF | X = dropped |
|---|------------|------------|------|-----|-------|-------|--------|----------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.99 | NO | 48.15 | 0.955 | 1.90e3 | 5.87e5 | 0.245 | -2.0 | 1.29 | MM |
| 2 | 190628K2_2 | 1.00 | 1.04 | NO | 48.13 | 0.955 | 6.71e3 | 5.46e5 | 0.932 | -6.8 | 1.23 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-185

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 3 190628K2_3 | 2.50 | 1.07 | NO | 48.15 | 0.955 | 1.78e4 | 5.34e5 | 2.53 | 1.2 | 1.34 | bb |
| 4 190628K2_4 | 400 | 1.01 | NO | 48.13 | 0.955 | 3.46e6 | 6.42e5 | 408 | 2.0 | 1.35 | bb |
| 5 190628K2_5 | 1000 | 1.04 | NO | 48.13 | 0.955 | 9.14e6 | 6.63e5 | 1050 | 4.5 | 1.38 | bb |
| 6 190628K2_6 | 50.0 | 1.04 | NO | 48.13 | 0.955 | 3.80e5 | 5.69e5 | 50.6 | 1.2 | 1.33 | bb |

Compound name: PCB-174

Response Factor: 1.2187

RRF SD: 0.0862611, Relative SD: 7.07815

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 190628K2_1 | 0.250 | 0.92 | NO | 48.53 | 0.963 | 1.59e3 | 5.87e5 | 0.222 | -11.0 | 1.08 | bd |
| 2 190628K2_2 | 1.00 | 1.00 | NO | 48.51 | 0.962 | 6.82e3 | 5.46e5 | 1.02 | 2.5 | 1.25 | bd |
| 3 190628K2_3 | 2.50 | 1.03 | NO | 48.51 | 0.962 | 1.60e4 | 5.34e5 | 2.46 | -1.6 | 1.20 | bd |
| 4 190628K2_4 | 400 | 1.02 | NO | 48.51 | 0.963 | 3.32e6 | 6.42e5 | 424 | 6.1 | 1.29 | bd |
| 5 190628K2_5 | 1000 | 1.03 | NO | 48.51 | 0.963 | 8.74e6 | 6.63e5 | 1080 | 8.2 | 1.32 | bd |
| 6 190628K2_6 | 50.0 | 1.02 | NO | 48.51 | 0.963 | 3.32e5 | 5.69e5 | 48.0 | -4.1 | 1.17 | MM |

Compound name: PCB-181

Response Factor: 1.41444

RRF SD: 0.109219, Relative SD: 7.72171

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 190628K2_1 | 0.250 | 1.15 | NO | 48.62 | 0.965 | 1.84e3 | 5.87e5 | 0.221 | -11.4 | 1.25 | db |
| 2 190628K2_2 | 1.00 | 0.97 | NO | 48.62 | 0.965 | 7.40e3 | 5.46e5 | 0.959 | -4.1 | 1.36 | dd |
| 3 190628K2_3 | 2.50 | 1.05 | NO | 48.62 | 0.965 | 1.83e4 | 5.34e5 | 2.42 | -3.2 | 1.37 | dd |
| 4 190628K2_4 | 400 | 1.03 | NO | 48.62 | 0.965 | 3.73e6 | 6.42e5 | 411 | 2.7 | 1.45 | dd |
| 5 190628K2_5 | 1000 | 1.05 | NO | 48.62 | 0.965 | 9.99e6 | 6.63e5 | 1070 | 6.6 | 1.51 | dd |
| 6 190628K2_6 | 50.0 | 1.04 | NO | 48.60 | 0.965 | 4.40e5 | 5.69e5 | 54.7 | 9.4 | 1.55 | MM |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-177

Response Factor: 1.24052

RRF SD: 0.0279876, Relative SD: 2.25612

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.98 | NO | 48.79 | 0.968 | 1.76e3 | 5.87e5 | 0.241 | -3.6 | 1.20 | MM |
| 2 | 190628K2_2 | 1.00 | 1.05 | NO | 48.81 | 0.968 | 6.85e3 | 5.46e5 | 1.01 | 1.1 | 1.25 | dd |
| 3 | 190628K2_3 | 2.50 | 1.02 | NO | 48.79 | 0.968 | 1.66e4 | 5.34e5 | 2.51 | 0.2 | 1.24 | db |
| 4 | 190628K2_4 | 400 | 1.04 | NO | 48.79 | 0.968 | 3.20e6 | 6.42e5 | 402 | 0.6 | 1.25 | db |
| 5 | 190628K2_5 | 1000 | 1.04 | NO | 48.79 | 0.968 | 8.47e6 | 6.63e5 | 1030 | 3.0 | 1.28 | db |
| 6 | 190628K2_6 | 50.0 | 1.06 | NO | 48.79 | 0.968 | 3.48e5 | 5.69e5 | 49.3 | -1.4 | 1.22 | db |

Compound name: PCB-171

Response Factor: 1.24211

RRF SD: 0.0735445, Relative SD: 5.92093

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.95 | NO | 49.10 | 0.974 | 1.75e3 | 5.87e5 | 0.240 | -4.0 | 1.19 | bb |
| 2 | 190628K2_2 | 1.00 | 1.08 | NO | 49.10 | 0.974 | 6.36e3 | 5.46e5 | 0.937 | -6.3 | 1.16 | db |
| 3 | 190628K2_3 | 2.50 | 1.04 | NO | 49.10 | 0.974 | 1.59e4 | 5.34e5 | 2.40 | -4.1 | 1.19 | bd |
| 4 | 190628K2_4 | 400 | 1.03 | NO | 49.10 | 0.974 | 3.35e6 | 6.42e5 | 419 | 4.8 | 1.30 | bd |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 49.10 | 0.974 | 8.96e6 | 6.63e5 | 1090 | 8.9 | 1.35 | bd |
| 6 | 190628K2_6 | 50.0 | 1.05 | NO | 49.10 | 0.974 | 3.55e5 | 5.69e5 | 50.3 | 0.6 | 1.25 | bd |

Compound name: PCB-173

Response Factor: 1.14143

RRF SD: 0.0487352, Relative SD: 4.26968

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.92 | NO | 49.53 | 0.983 | 1.66e3 | 5.87e5 | 0.248 | -0.7 | 1.13 | MM |
| 2 | 190628K2_2 | 1.00 | 1.13 | NO | 49.53 | 0.983 | 5.79e3 | 5.46e5 | 0.929 | -7.1 | 1.06 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-173

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 2.50 | 0.98 | NO | 49.53 | 0.983 | 1.49e4 | 5.34e5 | 2.45 | -2.0 | 1.12 | bb |
| 4 | 190628K2_4 | 400 | 1.03 | NO | 49.53 | 0.983 | 3.03e6 | 6.42e5 | 414 | 3.4 | 1.18 | bb |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 49.53 | 0.983 | 7.92e6 | 6.63e5 | 1050 | 4.8 | 1.20 | bb |
| 6 | 190628K2_6 | 50.0 | 1.04 | NO | 49.53 | 0.983 | 3.30e5 | 5.69e5 | 50.8 | 1.6 | 1.16 | db |

Compound name: PCB-172

Response Factor: 1.30718

RRF SD: 0.0890536, Relative SD: 6.81264

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.92 | NO | 50.01 | 0.992 | 1.80e3 | 5.87e5 | 0.234 | -6.5 | 1.22 | MM |
| 2 | 190628K2_2 | 1.00 | 1.04 | NO | 50.01 | 0.992 | 6.73e3 | 5.46e5 | 0.943 | -5.7 | 1.23 | dd |
| 3 | 190628K2_3 | 2.50 | 1.02 | NO | 50.01 | 0.992 | 1.66e4 | 5.34e5 | 2.37 | -5.2 | 1.24 | MM |
| 4 | 190628K2_4 | 400 | 1.02 | NO | 50.01 | 0.993 | 3.55e6 | 6.42e5 | 423 | 5.8 | 1.38 | dd |
| 5 | 190628K2_5 | 1000 | 1.04 | NO | 50.01 | 0.993 | 9.50e6 | 6.63e5 | 1100 | 9.7 | 1.43 | MM |
| 6 | 190628K2_6 | 50.0 | 1.02 | NO | 49.99 | 0.992 | 3.79e5 | 5.69e5 | 51.0 | 1.9 | 1.33 | dd |

Compound name: PCB-192

Response Factor: 1.70113

RRF SD: 0.146917, Relative SD: 8.63644

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.13 | NO | 50.22 | 0.996 | 2.12e3 | 5.87e5 | 0.212 | -15.3 | 1.44 | bb |
| 2 | 190628K2_2 | 1.00 | 1.00 | NO | 50.20 | 0.996 | 9.43e3 | 5.46e5 | 1.01 | 1.5 | 1.73 | dd |
| 3 | 190628K2_3 | 2.50 | 1.04 | NO | 50.22 | 0.996 | 2.20e4 | 5.34e5 | 2.42 | -3.1 | 1.65 | MM |
| 4 | 190628K2_4 | 400 | 1.03 | NO | 50.20 | 0.996 | 4.59e6 | 6.42e5 | 420 | 5.0 | 1.79 | dd |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 50.20 | 0.996 | 1.24e7 | 6.63e5 | 1100 | 9.8 | 1.87 | MM |
| 6 | 190628K2_6 | 50.0 | 1.05 | NO | 50.20 | 0.996 | 4.94e5 | 5.69e5 | 51.1 | 2.2 | 1.74 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-180

Response Factor: 1.32008

RRF SD: 0.143324, Relative SD: 10.8572

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.01 | NO | 50.40 | 1.000 | 1.53e3 | 5.87e5 | 0.197 | -21.2 | 1.04 | MM |
| 2 | 190628K2_2 | 1.00 | 1.13 | NO | 50.42 | 1.000 | 7.42e3 | 5.46e5 | 1.03 | 3.0 | 1.36 | dd |
| 3 | 190628K2_3 | 2.50 | 0.95 | NO | 50.42 | 1.000 | 1.75e4 | 5.34e5 | 2.48 | -0.7 | 1.31 | MM |
| 4 | 190628K2_4 | 400 | 1.03 | NO | 50.42 | 1.001 | 3.63e6 | 6.42e5 | 428 | 6.9 | 1.41 | dd |
| 5 | 190628K2_5 | 1000 | 1.02 | NO | 50.42 | 1.001 | 9.49e6 | 6.63e5 | 1080 | 8.5 | 1.43 | MM |
| 6 | 190628K2_6 | 50.0 | 1.04 | NO | 50.40 | 1.000 | 3.89e5 | 5.69e5 | 51.8 | 3.5 | 1.37 | dd |

Compound name: PCB-193

Response Factor: 1.5393

RRF SD: 0.092681, Relative SD: 6.02099

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.05 | NO | 50.63 | 1.005 | 2.16e3 | 5.87e5 | 0.239 | -4.4 | 1.47 | bb |
| 2 | 190628K2_2 | 1.00 | 1.15 | NO | 50.63 | 1.005 | 7.79e3 | 5.46e5 | 0.926 | -7.4 | 1.43 | db |
| 3 | 190628K2_3 | 2.50 | 0.97 | NO | 50.63 | 1.005 | 1.99e4 | 5.34e5 | 2.42 | -3.1 | 1.49 | MM |
| 4 | 190628K2_4 | 400 | 1.05 | NO | 50.61 | 1.005 | 4.11e6 | 6.42e5 | 416 | 3.9 | 1.60 | db |
| 5 | 190628K2_5 | 1000 | 1.03 | NO | 50.63 | 1.005 | 1.11e7 | 6.63e5 | 1090 | 8.8 | 1.68 | MM |
| 6 | 190628K2_6 | 50.0 | 1.04 | NO | 50.61 | 1.005 | 4.47e5 | 5.69e5 | 51.1 | 2.1 | 1.57 | db |

Compound name: PCB-191

Response Factor: 1.57344

RRF SD: 0.0924964, Relative SD: 5.87862

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.09 | NO | 50.90 | 1.010 | 2.13e3 | 5.87e5 | 0.230 | -7.8 | 1.45 | bb |
| 2 | 190628K2_2 | 1.00 | 0.94 | NO | 50.90 | 1.010 | 8.33e3 | 5.46e5 | 0.970 | -3.0 | 1.53 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-191

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 3 190628K2_3 | 2.50 | 1.05 | NO | 50.90 | 1.010 | 2.03e4 | 5.34e5 | 2.41 | -3.5 | 1.52 | bb |
| 4 190628K2_4 | 400 | 1.03 | NO | 50.88 | 1.010 | 4.22e6 | 6.42e5 | 417 | 4.3 | 1.64 | bb |
| 5 190628K2_5 | 1000 | 1.04 | NO | 50.88 | 1.010 | 1.13e7 | 6.63e5 | 1080 | 8.3 | 1.70 | bb |
| 6 190628K2_6 | 50.0 | 1.04 | NO | 50.88 | 1.010 | 4.55e5 | 5.69e5 | 50.9 | 1.8 | 1.60 | bb |

Compound name: PCB-170

Response Factor: 1.36107

RRF SD: 0.0694859, Relative SD: 5.10523

Response type: Internal Std (Ref 206), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 190628K2_1 | 0.250 | 1.21 | NO | 52.09 | 1.001 | 1.71e3 | 4.96e5 | 0.254 | 1.6 | 1.38 | MM |
| 2 190628K2_2 | 1.00 | 1.09 | NO | 52.07 | 1.000 | 5.77e3 | 4.64e5 | 0.914 | -8.6 | 1.24 | bd |
| 3 190628K2_3 | 2.50 | 1.02 | NO | 52.07 | 1.000 | 1.55e4 | 4.62e5 | 2.47 | -1.3 | 1.34 | bd |
| 4 190628K2_4 | 400 | 1.03 | NO | 52.07 | 1.000 | 3.06e6 | 5.46e5 | 412 | 2.9 | 1.40 | bd |
| 5 190628K2_5 | 1000 | 1.02 | NO | 52.07 | 1.000 | 8.24e6 | 5.68e5 | 1070 | 6.5 | 1.45 | bd |
| 6 190628K2_6 | 50.0 | 1.02 | NO | 52.07 | 1.000 | 3.27e5 | 4.87e5 | 49.4 | -1.2 | 1.35 | bd |

Compound name: PCB-190

Response Factor: 1.84214

RRF SD: 0.108036, Relative SD: 5.86473

Response type: Internal Std (Ref 206), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 190628K2_1 | 0.250 | 0.97 | NO | 52.28 | 1.004 | 2.23e3 | 4.96e5 | 0.245 | -2.1 | 1.80 | db |
| 2 190628K2_2 | 1.00 | 0.95 | NO | 52.28 | 1.004 | 7.87e3 | 4.64e5 | 0.921 | -7.9 | 1.70 | db |
| 3 190628K2_3 | 2.50 | 0.99 | NO | 52.28 | 1.004 | 2.05e4 | 4.62e5 | 2.41 | -3.6 | 1.78 | db |
| 4 190628K2_4 | 400 | 1.04 | NO | 52.26 | 1.004 | 4.21e6 | 5.46e5 | 418 | 4.5 | 1.93 | db |
| 5 190628K2_5 | 1000 | 1.03 | NO | 52.26 | 1.004 | 1.13e7 | 5.68e5 | 1080 | 8.4 | 2.00 | db |
| 6 190628K2_6 | 50.0 | 1.05 | NO | 52.26 | 1.004 | 4.51e5 | 4.87e5 | 50.3 | 0.6 | 1.85 | db |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-189

Response Factor: 1.33264

RRF SD: 0.116005, Relative SD: 8.70494

Response type: Internal Std (Ref 207), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.08 | NO | 53.76 | 1.000 | 1.94e3 | 6.83e5 | 0.213 | -14.8 | 1.14 | bb |
| 2 | 190628K2_2 | 1.00 | 1.15 | NO | 53.76 | 1.000 | 7.89e3 | 6.20e5 | 0.955 | -4.5 | 1.27 | bb |
| 3 | 190628K2_3 | 2.50 | 1.03 | NO | 53.76 | 1.000 | 2.05e4 | 6.19e5 | 2.49 | -0.5 | 1.33 | bb |
| 4 | 190628K2_4 | 400 | 1.02 | NO | 53.74 | 1.000 | 4.34e6 | 7.60e5 | 428 | 7.1 | 1.43 | bb |
| 5 | 190628K2_5 | 1000 | 1.02 | NO | 53.74 | 1.000 | 1.17e7 | 8.09e5 | 1080 | 8.4 | 1.44 | bb |
| 6 | 190628K2_6 | 50.0 | 1.03 | NO | 53.74 | 1.000 | 4.59e5 | 6.60e5 | 52.2 | 4.4 | 1.39 | bb |

Compound name: PCB-202

Response Factor: 1.02408

RRF SD: 0.0539754, Relative SD: 5.27063

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 | 190628K2_1 | 0.250 | 0.98 | NO | 49.31 | 1.000 | 2.20e3 | 9.24e5 | 0.232 | -7.2 | 0.950 | bb |
| 2 | 190628K2_2 | 1.00 | 0.92 | NO | 49.31 | 1.000 | 8.50e3 | 8.73e5 | 0.950 | -5.0 | 0.973 | bb |
| 3 | 190628K2_3 | 2.50 | 0.98 | NO | 49.31 | 1.000 | 2.16e4 | 8.36e5 | 2.52 | 0.7 | 1.03 | bb |
| 4 | 190628K2_4 | 400 | 0.89 | NO | 49.31 | 1.000 | 4.17e6 | 9.80e5 | 416 | 3.9 | 1.06 | bb |
| 5 | 190628K2_5 | 1000 | 0.89 | NO | 49.31 | 1.000 | 1.09e7 | 9.96e5 | 1070 | 6.7 | 1.09 | bb |
| 6 | 190628K2_6 | 50.0 | 0.89 | NO | 49.31 | 1.001 | 4.61e5 | 8.93e5 | 50.4 | 0.9 | 1.03 | bb |

Compound name: PCB-201

Response Factor: 0.91513

RRF SD: 0.0768695, Relative SD: 8.39984

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 | 190628K2_1 | 0.250 | 0.76 | NO | 49.82 | 1.011 | 1.79e3 | 9.24e5 | 0.211 | -15.6 | 0.773 | MM |
| 2 | 190628K2_2 | 1.00 | 0.88 | NO | 49.82 | 1.011 | 8.11e3 | 8.73e5 | 1.01 | 1.4 | 0.928 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-201

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 0.84 | NO | 49.82 | 1.011 | 1.89e4 | 8.36e5 | 2.46 | -1.4 | 0.902 | bd |
| 4 | 190628K2_4 | 400 | 0.88 | NO | 49.80 | 1.010 | 3.74e6 | 9.80e5 | 418 | 4.4 | 0.955 | bd |
| 5 | 190628K2_5 | 1000 | 0.91 | NO | 49.80 | 1.010 | 9.94e6 | 9.96e5 | 1090 | 9.1 | 0.998 | bd |
| 6 | 190628K2_6 | 50.0 | 0.87 | NO | 49.80 | 1.011 | 4.17e5 | 8.93e5 | 51.1 | 2.1 | 0.935 | bd |

Compound name: PCB-204

Response Factor: 0.97894

RRF SD: 0.131215, Relative SD: 13.4037

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 | 190628K2_1 | 0.250 | 0.95 | NO | 49.97 | 1.014 | 1.71e3 | 9.24e5 | 0.189 | -24.4 | 0.740 | MM |
| 2 | 190628K2_2 | 1.00 | 0.83 | NO | 49.97 | 1.014 | 8.25e3 | 8.73e5 | 0.964 | -3.6 | 0.944 | db |
| 3 | 190628K2_3 | 2.50 | 0.86 | NO | 49.97 | 1.014 | 2.07e4 | 8.36e5 | 2.53 | 1.4 | 0.992 | db |
| 4 | 190628K2_4 | 400 | 0.89 | NO | 49.97 | 1.014 | 4.15e6 | 9.80e5 | 433 | 8.2 | 1.06 | db |
| 5 | 190628K2_5 | 1000 | 0.88 | NO | 49.97 | 1.014 | 1.11e7 | 9.96e5 | 1140 | 14.3 | 1.12 | db |
| 6 | 190628K2_6 | 50.0 | 0.89 | NO | 49.95 | 1.014 | 4.55e5 | 8.93e5 | 52.1 | 4.1 | 1.02 | db |

Compound name: PCB-197

Response Factor: 0.978959

RRF SD: 0.0841723, Relative SD: 8.59815

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 | 190628K2_1 | 0.250 | 0.79 | NO | 50.29 | 1.020 | 1.97e3 | 9.24e5 | 0.218 | -12.9 | 0.853 | bb |
| 2 | 190628K2_2 | 1.00 | 0.94 | NO | 50.29 | 1.020 | 8.00e3 | 8.73e5 | 0.936 | -6.4 | 0.916 | bb |
| 3 | 190628K2_3 | 2.50 | 0.93 | NO | 50.29 | 1.020 | 2.04e4 | 8.36e5 | 2.49 | -0.5 | 0.974 | bb |
| 4 | 190628K2_4 | 400 | 0.90 | NO | 50.27 | 1.020 | 4.08e6 | 9.80e5 | 425 | 6.2 | 1.04 | bb |
| 5 | 190628K2_5 | 1000 | 0.89 | NO | 50.27 | 1.020 | 1.08e7 | 9.96e5 | 1110 | 10.7 | 1.08 | bb |
| 6 | 190628K2_6 | 50.0 | 0.88 | NO | 50.27 | 1.020 | 4.49e5 | 8.93e5 | 51.4 | 2.9 | 1.01 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-200

Response Factor: 0.954148
 RRF SD: 0.0651579, Relative SD: 6.82891
 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 | 190628K2_1 | 0.250 | 0.77 | NO | 51.22 | 1.039 | 2.02e3 | 9.24e5 | 0.230 | -8.2 | 0.876 | MM |
| 2 | 190628K2_2 | 1.00 | 0.87 | NO | 51.22 | 1.039 | 7.70e3 | 8.73e5 | 0.924 | -7.6 | 0.881 | bb |
| 3 | 190628K2_3 | 2.50 | 0.93 | NO | 51.22 | 1.039 | 2.02e4 | 8.36e5 | 2.53 | 1.3 | 0.967 | bb |
| 4 | 190628K2_4 | 400 | 0.89 | NO | 51.22 | 1.039 | 3.93e6 | 9.80e5 | 420 | 5.0 | 1.00 | bb |
| 5 | 190628K2_5 | 1000 | 0.89 | NO | 51.22 | 1.039 | 1.04e7 | 9.96e5 | 1090 | 9.0 | 1.04 | bb |
| 6 | 190628K2_6 | 50.0 | 0.90 | NO | 51.20 | 1.039 | 4.28e5 | 8.93e5 | 50.2 | 0.5 | 0.958 | bb |

Compound name: PCB-198

Response Factor: 0.74824
 RRF SD: 0.0589173, Relative SD: 7.87412
 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 | 190628K2_1 | 0.250 | 0.84 | NO | 52.75 | 1.070 | 1.72e3 | 9.24e5 | 0.249 | -0.6 | 0.744 | bd |
| 2 | 190628K2_2 | 1.00 | 0.99 | NO | 52.75 | 1.070 | 5.76e3 | 8.73e5 | 0.882 | -11.8 | 0.660 | bd |
| 3 | 190628K2_3 | 2.50 | 0.89 | NO | 52.75 | 1.070 | 1.50e4 | 8.36e5 | 2.39 | -4.2 | 0.717 | bd |
| 4 | 190628K2_4 | 400 | 0.89 | NO | 52.75 | 1.070 | 3.14e6 | 9.80e5 | 428 | 7.0 | 0.800 | bd |
| 5 | 190628K2_5 | 1000 | 0.89 | NO | 52.75 | 1.070 | 8.21e6 | 9.96e5 | 1100 | 10.1 | 0.824 | bd |
| 6 | 190628K2_6 | 50.0 | 0.88 | NO | 52.74 | 1.070 | 3.32e5 | 8.93e5 | 49.8 | -0.5 | 0.745 | bd |

Compound name: PCB-199

Response Factor: 0.70591
 RRF SD: 0.0741558, Relative SD: 10.505
 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 | 190628K2_1 | 0.250 | 0.77 | NO | 52.87 | 1.073 | 1.35e3 | 9.24e5 | 0.208 | -17.0 | 0.586 | MM |
| 2 | 190628K2_2 | 1.00 | 0.96 | NO | 52.87 | 1.073 | 5.87e3 | 8.73e5 | 0.953 | -4.7 | 0.672 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-199

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 0.92 | NO | 52.87 | 1.073 | 1.50e4 | 8.36e5 | 2.53 | 1.4 | 0.716 | db |
| 4 | 190628K2_4 | 400 | 0.89 | NO | 52.87 | 1.073 | 3.02e6 | 9.80e5 | 436 | 9.0 | 0.769 | db |
| 5 | 190628K2_5 | 1000 | 0.89 | NO | 52.87 | 1.073 | 7.91e6 | 9.96e5 | 1130 | 12.6 | 0.795 | db |
| 6 | 190628K2_6 | 50.0 | 0.91 | NO | 52.87 | 1.073 | 3.11e5 | 8.93e5 | 49.4 | -1.2 | 0.697 | db |

Compound name: PCB-196/203

Response Factor: 0.784758

RRF SD: 0.0626821, Relative SD: 7.98744

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 | 190628K2_1 | 0.500 | 0.85 | NO | 53.17 | 1.079 | 3.74e3 | 9.24e5 | 0.516 | 3.1 | 0.809 | bb |
| 2 | 190628K2_2 | 2.00 | 0.92 | NO | 53.17 | 1.079 | 1.21e4 | 8.73e5 | 1.77 | -11.7 | 0.693 | bd |
| 3 | 190628K2_3 | 5.00 | 0.89 | NO | 53.17 | 1.079 | 3.13e4 | 8.36e5 | 4.77 | -4.6 | 0.748 | bb |
| 4 | 190628K2_4 | 800 | 0.89 | NO | 53.17 | 1.079 | 6.49e6 | 9.80e5 | 843 | 5.4 | 0.827 | bb |
| 5 | 190628K2_5 | 2000 | 0.88 | NO | 53.17 | 1.079 | 1.73e7 | 9.96e5 | 2210 | 10.6 | 0.868 | bb |
| 6 | 190628K2_6 | 100 | 0.89 | NO | 53.17 | 1.079 | 6.81e5 | 8.93e5 | 97.2 | -2.8 | 0.763 | bb |

Compound name: PCB-195

Response Factor: 1.03344

RRF SD: 0.0794335, Relative SD: 7.68633

Response type: Internal Std (Ref 209), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.83 | NO | 54.43 | 0.984 | 1.35e3 | 5.94e5 | 0.220 | -12.2 | 0.908 | bb |
| 2 | 190628K2_2 | 1.00 | 0.99 | NO | 54.45 | 0.984 | 5.39e3 | 5.44e5 | 0.959 | -4.1 | 0.991 | bd |
| 3 | 190628K2_3 | 2.50 | 0.87 | NO | 54.45 | 0.984 | 1.42e4 | 5.50e5 | 2.49 | -0.3 | 1.03 | bd |
| 4 | 190628K2_4 | 400 | 0.90 | NO | 54.43 | 0.984 | 2.95e6 | 6.70e5 | 426 | 6.4 | 1.10 | bd |
| 5 | 190628K2_5 | 1000 | 0.89 | NO | 54.43 | 0.984 | 7.97e6 | 7.05e5 | 1090 | 9.4 | 1.13 | bd |
| 6 | 190628K2_6 | 50.0 | 0.89 | NO | 54.43 | 0.984 | 3.10e5 | 5.96e5 | 50.4 | 0.8 | 1.04 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-194

Response Factor: 1.156

RRF SD: 0.0551277, Relative SD: 4.76883

Response type: Internal Std (Ref 209), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.00 | NO | 55.34 | 1.000 | 1.69e3 | 5.94e5 | 0.247 | -1.3 | 1.14 | MM |
| 2 | 190628K2_2 | 1.00 | 0.87 | NO | 55.34 | 1.000 | 5.94e3 | 5.44e5 | 0.945 | -5.5 | 1.09 | bb |
| 3 | 190628K2_3 | 2.50 | 0.97 | NO | 55.34 | 1.000 | 1.54e4 | 5.50e5 | 2.42 | -3.2 | 1.12 | bb |
| 4 | 190628K2_4 | 400 | 0.90 | NO | 55.34 | 1.000 | 3.27e6 | 6.70e5 | 422 | 5.5 | 1.22 | bb |
| 5 | 190628K2_5 | 1000 | 0.90 | NO | 55.34 | 1.000 | 8.64e6 | 7.05e5 | 1060 | 6.1 | 1.23 | bb |
| 6 | 190628K2_6 | 50.0 | 0.91 | NO | 55.34 | 1.000 | 3.39e5 | 5.96e5 | 49.2 | -1.6 | 1.14 | bb |

Compound name: PCB-205

Response Factor: 1.40052

RRF SD: 0.143234, Relative SD: 10.2272

Response type: Internal Std (Ref 209), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|------|-------------|
| 1 | 190628K2_1 | 0.250 | 0.78 | NO | 55.62 | 1.005 | 1.80e3 | 5.94e5 | 0.216 | -13.5 | 1.21 | MM |
| 2 | 190628K2_2 | 1.00 | 0.93 | NO | 55.62 | 1.005 | 6.82e3 | 5.44e5 | 0.895 | -10.5 | 1.25 | bb |
| 3 | 190628K2_3 | 2.50 | 0.86 | NO | 55.62 | 1.005 | 1.97e4 | 5.50e5 | 2.55 | 2.1 | 1.43 | bb |
| 4 | 190628K2_4 | 400 | 0.90 | NO | 55.62 | 1.005 | 4.09e6 | 6.70e5 | 436 | 8.9 | 1.53 | bb |
| 5 | 190628K2_5 | 1000 | 0.91 | NO | 55.62 | 1.005 | 1.11e7 | 7.05e5 | 1120 | 12.0 | 1.57 | bb |
| 6 | 190628K2_6 | 50.0 | 0.90 | NO | 55.60 | 1.005 | 4.21e5 | 5.96e5 | 50.5 | 1.0 | 1.41 | bb |

Compound name: PCB-208

Response Factor: 0.934251

RRF SD: 0.0412499, Relative SD: 4.41529

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.38 | NO | 54.59 | 1.000 | 1.75e3 | 7.59e5 | 0.246 | -1.5 | 0.920 | bb |
| 2 | 190628K2_2 | 1.00 | 1.31 | NO | 54.59 | 1.000 | 6.37e3 | 7.01e5 | 0.973 | -2.7 | 0.909 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-208

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 2.50 | 1.26 | NO | 54.59 | 1.000 | 1.52e4 | 6.91e5 | 2.36 | -5.7 | 0.881 | bb |
| 4 | 190628K2_4 | 400 | 1.30 | NO | 54.59 | 1.000 | 3.21e6 | 8.36e5 | 411 | 2.7 | 0.960 | bb |
| 5 | 190628K2_5 | 1000 | 1.30 | NO | 54.59 | 1.000 | 8.64e6 | 8.64e5 | 1070 | 7.0 | 0.999 | bb |
| 6 | 190628K2_6 | 50.0 | 1.33 | NO | 54.58 | 1.000 | 3.44e5 | 7.35e5 | 50.1 | 0.2 | 0.936 | bb |

Compound name: PCB-207

Response Factor: 0.912134
 RRF SD: 0.0629456, Relative SD: 6.90091
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.16 | NO | 54.92 | 1.006 | 1.55e3 | 7.59e5 | 0.224 | -10.3 | 0.818 | MM |
| 2 | 190628K2_2 | 1.00 | 1.28 | NO | 54.92 | 1.006 | 6.24e3 | 7.01e5 | 0.976 | -2.4 | 0.890 | bb |
| 3 | 190628K2_3 | 2.50 | 1.39 | NO | 54.92 | 1.006 | 1.53e4 | 6.91e5 | 2.43 | -2.9 | 0.885 | bb |
| 4 | 190628K2_4 | 400 | 1.31 | NO | 54.92 | 1.006 | 3.22e6 | 8.36e5 | 422 | 5.4 | 0.962 | bb |
| 5 | 190628K2_5 | 1000 | 1.30 | NO | 54.92 | 1.006 | 8.62e6 | 8.64e5 | 1090 | 9.3 | 0.997 | bb |
| 6 | 190628K2_6 | 50.0 | 1.29 | NO | 54.92 | 1.007 | 3.38e5 | 7.35e5 | 50.5 | 0.9 | 0.921 | bb |

Compound name: PCB-206

Response Factor: 0.987493
 RRF SD: 0.0524678, Relative SD: 5.31324
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 0.250 | 1.47 | NO | 56.88 | 1.000 | 1.31e3 | 5.58e5 | 0.238 | -4.8 | 0.940 | bb |
| 2 | 190628K2_2 | 1.00 | 1.35 | NO | 56.88 | 1.000 | 4.63e3 | 4.86e5 | 0.964 | -3.6 | 0.952 | bb |
| 3 | 190628K2_3 | 2.50 | 1.30 | NO | 56.88 | 1.000 | 1.20e4 | 5.08e5 | 2.40 | -4.2 | 0.946 | bb |
| 4 | 190628K2_4 | 400 | 1.31 | NO | 56.88 | 1.000 | 2.55e6 | 6.25e5 | 414 | 3.4 | 1.02 | bb |
| 5 | 190628K2_5 | 1000 | 1.30 | NO | 56.88 | 1.000 | 6.85e6 | 6.39e5 | 1090 | 8.7 | 1.07 | bb |
| 6 | 190628K2_6 | 50.0 | 1.33 | NO | 56.88 | 1.000 | 2.64e5 | 5.31e5 | 50.2 | 0.5 | 0.992 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-209

Response Factor: 0.942577

RRF SD: 0.0529671, Relative SD: 5.61939

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 | 190628K2_1 | 0.250 | 1.15 | NO | 58.09 | 1.000 | 1.49e3 | 6.89e5 | 0.229 | -8.4 | 0.864 | MM |
| 2 | 190628K2_2 | 1.00 | 1.21 | NO | 58.09 | 1.000 | 5.65e3 | 5.90e5 | 1.02 | 1.7 | 0.959 | bb |
| 3 | 190628K2_3 | 2.50 | 1.16 | NO | 58.09 | 1.000 | 1.43e4 | 6.36e5 | 2.38 | -5.0 | 0.896 | bb |
| 4 | 190628K2_4 | 400 | 1.17 | NO | 58.09 | 1.000 | 3.01e6 | 7.64e5 | 418 | 4.5 | 0.985 | bb |
| 5 | 190628K2_5 | 1000 | 1.19 | NO | 58.09 | 1.000 | 8.06e6 | 8.04e5 | 1060 | 6.3 | 1.00 | bb |
| 6 | 190628K2_6 | 50.0 | 1.19 | NO | 58.09 | 1.000 | 3.09e5 | 6.50e5 | 50.4 | 0.8 | 0.950 | bb |

Compound name: 13C-PCB-1

Response Factor: 1.0775

RRF SD: 0.0449431, Relative SD: 4.17105

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 | 190628K2_1 | 100 | 3.06 | NO | 16.00 | 0.612 | 2.00e6 | 1.81e6 | 102 | 2.2 | 1.10 | bb |
| 2 | 190628K2_2 | 100 | 3.05 | NO | 16.02 | 0.612 | 1.99e6 | 1.78e6 | 103 | 3.3 | 1.11 | bb |
| 3 | 190628K2_3 | 100 | 3.05 | NO | 16.02 | 0.612 | 1.90e6 | 1.70e6 | 104 | 3.7 | 1.12 | bb |
| 4 | 190628K2_4 | 100 | 3.05 | NO | 16.02 | 0.613 | 2.27e6 | 2.17e6 | 96.8 | -3.2 | 1.04 | bb |
| 5 | 190628K2_5 | 100 | 3.02 | NO | 16.02 | 0.613 | 2.28e6 | 2.27e6 | 93.1 | -6.9 | 1.00 | bb |
| 6 | 190628K2_6 | 100 | 3.04 | NO | 16.01 | 0.612 | 1.96e6 | 1.81e6 | 101 | 0.9 | 1.09 | bb |

Compound name: 13C-PCB-3

Response Factor: 1.09089

RRF SD: 0.0390643, Relative SD: 3.58095

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 | 190628K2_1 | 100 | 3.05 | NO | 18.70 | 0.715 | 2.02e6 | 1.81e6 | 102 | 2.2 | 1.11 | bb |
| 2 | 190628K2_2 | 100 | 3.05 | NO | 18.71 | 0.715 | 1.99e6 | 1.78e6 | 102 | 2.1 | 1.11 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld
 Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-3

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 100 | 3.04 | NO | 18.71 | 0.715 | 1.92e6 | 1.70e6 | 103 | 3.4 | 1.13 | bb |
| 4 | 190628K2_4 | 100 | 3.04 | NO | 18.71 | 0.715 | 2.30e6 | 2.17e6 | 96.9 | -3.1 | 1.06 | bb |
| 5 | 190628K2_5 | 100 | 3.03 | NO | 18.71 | 0.715 | 2.34e6 | 2.27e6 | 94.3 | -5.7 | 1.03 | bb |
| 6 | 190628K2_6 | 100 | 3.04 | NO | 18.70 | 0.715 | 1.99e6 | 1.81e6 | 101 | 1.0 | 1.10 | bb |

Compound name: 13C-PCB-4

Response Factor: 0.639891
 RRF SD: 0.0240256, Relative SD: 3.75464
 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 | 190628K2_1 | 100 | 1.60 | NO | 20.08 | 0.768 | 1.18e6 | 1.81e6 | 102 | 1.5 | 0.650 | bb |
| 2 | 190628K2_2 | 100 | 1.62 | NO | 20.09 | 0.768 | 1.17e6 | 1.78e6 | 102 | 2.5 | 0.656 | bb |
| 3 | 190628K2_3 | 100 | 1.62 | NO | 20.10 | 0.768 | 1.13e6 | 1.70e6 | 103 | 3.3 | 0.661 | bb |
| 4 | 190628K2_4 | 100 | 1.59 | NO | 20.09 | 0.768 | 1.35e6 | 2.17e6 | 96.7 | -3.3 | 0.619 | bb |
| 5 | 190628K2_5 | 100 | 1.60 | NO | 20.09 | 0.768 | 1.37e6 | 2.27e6 | 94.0 | -6.0 | 0.601 | bb |
| 6 | 190628K2_6 | 100 | 1.64 | NO | 20.08 | 0.768 | 1.18e6 | 1.81e6 | 102 | 2.0 | 0.653 | bb |

Compound name: 13C-PCB-9

Response Factor: 0.99535
 RRF SD: 0.0377122, Relative SD: 3.78884
 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 | 190628K2_1 | 100 | 1.57 | NO | 21.92 | 0.838 | 1.85e6 | 1.81e6 | 103 | 2.5 | 1.02 | bb |
| 2 | 190628K2_2 | 100 | 1.58 | NO | 21.94 | 0.839 | 1.83e6 | 1.78e6 | 103 | 3.0 | 1.02 | bb |
| 3 | 190628K2_3 | 100 | 1.60 | NO | 21.94 | 0.839 | 1.74e6 | 1.70e6 | 103 | 2.8 | 1.02 | bb |
| 4 | 190628K2_4 | 100 | 1.60 | NO | 21.93 | 0.839 | 2.08e6 | 2.17e6 | 96.3 | -3.7 | 0.958 | bb |
| 5 | 190628K2_5 | 100 | 1.61 | NO | 21.93 | 0.839 | 2.13e6 | 2.27e6 | 94.2 | -5.8 | 0.938 | bb |
| 6 | 190628K2_6 | 100 | 1.58 | NO | 21.93 | 0.839 | 1.82e6 | 1.81e6 | 101 | 1.2 | 1.01 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-11

Response Factor: 0.971426
 RRF SD: 0.0219408, Relative SD: 2.25862
 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 | 190628K2_1 | 100 | 1.59 | NO | 25.42 | 0.972 | 1.80e6 | 1.81e6 | 102 | 2.1 | 0.992 | bb |
| 2 | 190628K2_2 | 100 | 1.59 | NO | 25.43 | 0.972 | 1.77e6 | 1.78e6 | 102 | 1.9 | 0.990 | bd |
| 3 | 190628K2_3 | 100 | 1.59 | NO | 25.44 | 0.972 | 1.68e6 | 1.70e6 | 102 | 1.6 | 0.987 | bb |
| 4 | 190628K2_4 | 100 | 1.59 | NO | 25.43 | 0.972 | 2.06e6 | 2.17e6 | 97.4 | -2.6 | 0.946 | bb |
| 5 | 190628K2_5 | 100 | 1.59 | NO | 25.43 | 0.972 | 2.15e6 | 2.27e6 | 97.2 | -2.8 | 0.944 | bb |
| 6 | 190628K2_6 | 100 | 1.60 | NO | 25.42 | 0.972 | 1.75e6 | 1.81e6 | 99.9 | -0.1 | 0.971 | bb |

Compound name: 13C-PCB-19

Response Factor: 0.637272
 RRF SD: 0.0290614, Relative SD: 4.56029
 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 | 190628K2_1 | 100 | 1.02 | NO | 24.37 | 0.932 | 1.20e6 | 1.81e6 | 104 | 4.1 | 0.664 | bb |
| 2 | 190628K2_2 | 100 | 1.04 | NO | 24.38 | 0.932 | 1.17e6 | 1.78e6 | 103 | 2.7 | 0.655 | bb |
| 3 | 190628K2_3 | 100 | 1.03 | NO | 24.38 | 0.932 | 1.12e6 | 1.70e6 | 104 | 3.7 | 0.661 | bb |
| 4 | 190628K2_4 | 100 | 1.03 | NO | 24.38 | 0.932 | 1.34e6 | 2.17e6 | 96.6 | -3.4 | 0.615 | bb |
| 5 | 190628K2_5 | 100 | 1.03 | NO | 24.38 | 0.932 | 1.34e6 | 2.27e6 | 92.6 | -7.4 | 0.590 | bb |
| 6 | 190628K2_6 | 100 | 1.02 | NO | 24.37 | 0.932 | 1.15e6 | 1.81e6 | 100 | 0.3 | 0.639 | bb |

Compound name: 13C-PCB-32

Response Factor: 0.909913
 RRF SD: 0.017557, Relative SD: 1.92952
 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 | 190628K2_1 | 100 | 1.04 | NO | 27.39 | 1.047 | 1.69e6 | 1.81e6 | 102 | 2.3 | 0.931 | bb |
| 2 | 190628K2_2 | 100 | 1.05 | NO | 27.40 | 1.047 | 1.64e6 | 1.78e6 | 101 | 0.8 | 0.917 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-32

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 100 | 1.03 | NO | 27.40 | 1.047 | 1.57e6 | 1.70e6 | 101 | 1.3 | 0.922 | bb |
| 4 | 190628K2_4 | 100 | 1.05 | NO | 27.39 | 1.047 | 1.94e6 | 2.17e6 | 97.8 | -2.2 | 0.890 | bb |
| 5 | 190628K2_5 | 100 | 1.05 | NO | 27.40 | 1.048 | 2.02e6 | 2.27e6 | 97.5 | -2.5 | 0.887 | bb |
| 6 | 190628K2_6 | 100 | 1.03 | NO | 27.39 | 1.047 | 1.65e6 | 1.81e6 | 100 | 0.3 | 0.913 | bb |

Compound name: 13C-PCB-28

Response Factor: 1.06917

RRF SD: 0.0795995, Relative SD: 7.44496

Response type: Internal Std (Ref 214), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 1.00 | NO | 29.41 | 1.003 | 1.52e6 | 1.53e6 | 93.0 | -7.0 | 0.995 | db |
| 2 | 190628K2_2 | 100 | 0.98 | NO | 29.43 | 1.004 | 1.57e6 | 1.45e6 | 101 | 1.5 | 1.08 | db |
| 3 | 190628K2_3 | 100 | 0.97 | NO | 29.43 | 1.004 | 1.54e6 | 1.37e6 | 105 | 4.6 | 1.12 | db |
| 4 | 190628K2_4 | 100 | 0.98 | NO | 29.43 | 1.004 | 1.79e6 | 1.78e6 | 93.9 | -6.1 | 1.00 | db |
| 5 | 190628K2_5 | 100 | 0.98 | NO | 29.43 | 1.004 | 1.86e6 | 1.83e6 | 95.1 | -4.9 | 1.02 | db |
| 6 | 190628K2_6 | 100 | 0.98 | NO | 29.41 | 1.003 | 1.67e6 | 1.39e6 | 112 | 12.0 | 1.20 | db |

Compound name: 13C-PCB-37

Response Factor: 0.959494

RRF SD: 0.0266436, Relative SD: 2.77684

Response type: Internal Std (Ref 214), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.99 | NO | 33.43 | 1.140 | 1.43e6 | 1.53e6 | 97.5 | -2.5 | 0.935 | bb |
| 2 | 190628K2_2 | 100 | 0.98 | NO | 33.45 | 1.141 | 1.38e6 | 1.45e6 | 99.6 | -0.4 | 0.955 | bb |
| 3 | 190628K2_3 | 100 | 0.99 | NO | 33.45 | 1.141 | 1.33e6 | 1.37e6 | 101 | 0.6 | 0.966 | bb |
| 4 | 190628K2_4 | 100 | 0.99 | NO | 33.43 | 1.140 | 1.67e6 | 1.78e6 | 97.3 | -2.7 | 0.934 | bb |
| 5 | 190628K2_5 | 100 | 0.97 | NO | 33.43 | 1.140 | 1.76e6 | 1.83e6 | 100 | -0.0 | 0.959 | bb |
| 6 | 190628K2_6 | 100 | 0.98 | NO | 33.43 | 1.140 | 1.40e6 | 1.39e6 | 105 | 5.0 | 1.01 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-54

Response Factor: 1.09828

RRF SD: 0.0339907, Relative SD: 3.09489

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.77 | NO | 28.25 | 0.756 | 1.40e6 | 1.25e6 | 102 | 2.0 | 1.12 | bb |
| 2 | 190628K2_2 | 100 | 0.77 | NO | 28.25 | 0.756 | 1.36e6 | 1.22e6 | 102 | 2.2 | 1.12 | bb |
| 3 | 190628K2_3 | 100 | 0.77 | NO | 28.25 | 0.756 | 1.32e6 | 1.16e6 | 103 | 3.1 | 1.13 | bb |
| 4 | 190628K2_4 | 100 | 0.77 | NO | 28.25 | 0.756 | 1.58e6 | 1.47e6 | 97.8 | -2.2 | 1.07 | bb |
| 5 | 190628K2_5 | 100 | 0.77 | NO | 28.25 | 0.756 | 1.61e6 | 1.55e6 | 95.0 | -5.0 | 1.04 | bb |
| 6 | 190628K2_6 | 100 | 0.77 | NO | 28.25 | 0.756 | 1.37e6 | 1.25e6 | 99.9 | -0.1 | 1.10 | bb |

Compound name: 13C-PCB-52

Response Factor: 0.844174

RRF SD: 0.022517, Relative SD: 2.66734

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.77 | NO | 31.92 | 0.854 | 1.07e6 | 1.25e6 | 101 | 1.2 | 0.855 | bb |
| 2 | 190628K2_2 | 100 | 0.77 | NO | 31.94 | 0.855 | 1.04e6 | 1.22e6 | 101 | 1.2 | 0.855 | bb |
| 3 | 190628K2_3 | 100 | 0.76 | NO | 31.94 | 0.855 | 1.02e6 | 1.16e6 | 103 | 3.5 | 0.873 | bb |
| 4 | 190628K2_4 | 100 | 0.77 | NO | 31.92 | 0.854 | 1.23e6 | 1.47e6 | 99.0 | -1.0 | 0.836 | bb |
| 5 | 190628K2_5 | 100 | 0.77 | NO | 31.92 | 0.854 | 1.25e6 | 1.55e6 | 95.6 | -4.4 | 0.807 | bd |
| 6 | 190628K2_6 | 100 | 0.77 | NO | 31.92 | 0.854 | 1.05e6 | 1.25e6 | 99.4 | -0.6 | 0.839 | bb |

Compound name: 13C-PCB-47

Response Factor: 0.893306

RRF SD: 0.0118289, Relative SD: 1.32417

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.77 | NO | 32.44 | 0.868 | 1.14e6 | 1.25e6 | 102 | 1.8 | 0.910 | bb |
| 2 | 190628K2_2 | 100 | 0.77 | NO | 32.46 | 0.869 | 1.09e6 | 1.22e6 | 100 | 0.4 | 0.897 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-47

| | Name | Std. Conc. | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 100 | 0.78 | NO | 32.46 | 0.869 | 1.05e6 | 1.16e6 | 101 | 1.1 | 0.903 | bb |
| 4 | 190628K2_4 | 100 | 0.76 | NO | 32.44 | 0.868 | 1.31e6 | 1.47e6 | 99.1 | -0.9 | 0.885 | bb |
| 5 | 190628K2_5 | 100 | 0.75 | NO | 32.44 | 0.868 | 1.37e6 | 1.55e6 | 98.9 | -1.1 | 0.883 | bb |
| 6 | 190628K2_6 | 100 | 0.76 | NO | 32.44 | 0.868 | 1.10e6 | 1.25e6 | 98.7 | -1.3 | 0.881 | bb |

Compound name: 13C-PCB-70

Response Factor: 1.00762

RRF SD: 0.00962693, Relative SD: 0.955414

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 |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.77 | NO | 36.09 | 0.966 | 1.27e6 | 1.25e6 | 100 | 0.4 | 1.01 | bb |
| 2 | 190628K2_2 | 100 | 0.76 | NO | 36.09 | 0.966 | 1.22e6 | 1.22e6 | 99.5 | -0.5 | 1.00 | bb |
| 3 | 190628K2_3 | 100 | 0.78 | NO | 36.11 | 0.966 | 1.18e6 | 1.16e6 | 101 | 1.1 | 1.02 | bb |
| 4 | 190628K2_4 | 100 | 0.77 | NO | 36.09 | 0.966 | 1.49e6 | 1.47e6 | 100 | 0.4 | 1.01 | bb |
| 5 | 190628K2_5 | 100 | 0.78 | NO | 36.09 | 0.966 | 1.56e6 | 1.55e6 | 100 | 0.2 | 1.01 | bb |
| 6 | 190628K2_6 | 100 | 0.77 | NO | 36.09 | 0.966 | 1.24e6 | 1.25e6 | 98.4 | -1.6 | 0.991 | bb |

Compound name: 13C-PCB-80

Response Factor: 1.04583

RRF SD: 0.0107662, Relative SD: 1.02944

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 |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.76 | NO | 36.53 | 0.978 | 1.31e6 | 1.25e6 | 100 | 0.3 | 1.05 | bb |
| 2 | 190628K2_2 | 100 | 0.77 | NO | 36.53 | 0.978 | 1.25e6 | 1.22e6 | 98.5 | -1.5 | 1.03 | bb |
| 3 | 190628K2_3 | 100 | 0.77 | NO | 36.53 | 0.978 | 1.23e6 | 1.16e6 | 101 | 1.5 | 1.06 | bb |
| 4 | 190628K2_4 | 100 | 0.79 | NO | 36.52 | 0.977 | 1.53e6 | 1.47e6 | 99.5 | -0.5 | 1.04 | bb |
| 5 | 190628K2_5 | 100 | 0.77 | NO | 36.53 | 0.978 | 1.61e6 | 1.55e6 | 99.5 | -0.5 | 1.04 | bb |
| 6 | 190628K2_6 | 100 | 0.78 | NO | 36.52 | 0.977 | 1.31e6 | 1.25e6 | 101 | 0.6 | 1.05 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-81

Response Factor: 0.984949

RRF SD: 0.00519456, Relative SD: 0.527394

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.77 | NO | 39.74 | 1.063 | 1.24e6 | 1.25e6 | 101 | 0.5 | 0.990 | dd |
| 2 | 190628K2_2 | 100 | 0.77 | NO | 39.75 | 1.064 | 1.19e6 | 1.22e6 | 99.5 | -0.5 | 0.980 | dd |
| 3 | 190628K2_3 | 100 | 0.77 | NO | 39.74 | 1.063 | 1.14e6 | 1.16e6 | 99.2 | -0.8 | 0.977 | bd |
| 4 | 190628K2_4 | 100 | 0.76 | NO | 39.74 | 1.063 | 1.46e6 | 1.47e6 | 100 | 0.4 | 0.989 | bd |
| 5 | 190628K2_5 | 100 | 0.76 | NO | 39.74 | 1.063 | 1.53e6 | 1.55e6 | 100 | 0.2 | 0.987 | bd |
| 6 | 190628K2_6 | 100 | 0.78 | NO | 39.74 | 1.063 | 1.23e6 | 1.25e6 | 100 | 0.1 | 0.986 | dd |

Compound name: 13C-PCB-77

Response Factor: 0.958367

RRF SD: 0.0203246, Relative SD: 2.12075

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.78 | NO | 40.35 | 1.080 | 1.21e6 | 1.25e6 | 101 | 0.7 | 0.965 | bd |
| 2 | 190628K2_2 | 100 | 0.79 | NO | 40.37 | 1.080 | 1.13e6 | 1.22e6 | 96.8 | -3.2 | 0.928 | bb |
| 3 | 190628K2_3 | 100 | 0.78 | NO | 40.37 | 1.080 | 1.11e6 | 1.16e6 | 99.4 | -0.6 | 0.952 | bb |
| 4 | 190628K2_4 | 100 | 0.79 | NO | 40.35 | 1.080 | 1.44e6 | 1.47e6 | 102 | 2.0 | 0.978 | bb |
| 5 | 190628K2_5 | 100 | 0.78 | NO | 40.35 | 1.080 | 1.52e6 | 1.55e6 | 102 | 2.4 | 0.982 | bb |
| 6 | 190628K2_6 | 100 | 0.78 | NO | 40.35 | 1.080 | 1.18e6 | 1.25e6 | 98.7 | -1.3 | 0.946 | bd |

Compound name: 13C-PCB-104

Response Factor: 1.09695

RRF SD: 0.0312368, Relative SD: 2.8476

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.59 | NO | 33.11 | 0.829 | 1.30e6 | 1.16e6 | 103 | 2.8 | 1.13 | bb |
| 2 | 190628K2_2 | 100 | 1.62 | NO | 33.13 | 0.829 | 1.26e6 | 1.13e6 | 101 | 1.2 | 1.11 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-104

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 100 | 1.56 | NO | 33.13 | 0.829 | 1.21e6 | 1.08e6 | 103 | 3.0 | 1.13 | bb |
| 4 | 190628K2_4 | 100 | 1.59 | NO | 33.11 | 0.829 | 1.46e6 | 1.37e6 | 96.7 | -3.3 | 1.06 | bb |
| 5 | 190628K2_5 | 100 | 1.60 | NO | 33.13 | 0.830 | 1.49e6 | 1.41e6 | 96.6 | -3.4 | 1.06 | bb |
| 6 | 190628K2_6 | 100 | 1.58 | NO | 33.11 | 0.829 | 1.27e6 | 1.17e6 | 99.7 | -0.3 | 1.09 | bb |

Compound name: 13C-PCB-95

Response Factor: 0.852056

RRF SD: 0.016469, Relative SD: 1.93285

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 1.61 | NO | 36.40 | 0.911 | 9.93e5 | 1.16e6 | 101 | 0.8 | 0.859 | bb |
| 2 | 190628K2_2 | 100 | 1.62 | NO | 36.40 | 0.911 | 9.59e5 | 1.13e6 | 99.3 | -0.7 | 0.846 | bb |
| 3 | 190628K2_3 | 100 | 1.58 | NO | 36.40 | 0.911 | 9.46e5 | 1.08e6 | 103 | 3.2 | 0.879 | bb |
| 4 | 190628K2_4 | 100 | 1.59 | NO | 36.40 | 0.911 | 1.15e6 | 1.37e6 | 98.2 | -1.8 | 0.837 | bb |
| 5 | 190628K2_5 | 100 | 1.62 | NO | 36.40 | 0.911 | 1.21e6 | 1.41e6 | 100 | 0.5 | 0.856 | bb |
| 6 | 190628K2_6 | 100 | 1.65 | NO | 36.39 | 0.911 | 9.73e5 | 1.17e6 | 98.1 | -1.9 | 0.835 | bb |

Compound name: 13C-PCB-101

Response Factor: 0.813658

RRF SD: 0.0173621, Relative SD: 2.13384

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 1.58 | NO | 38.15 | 0.955 | 9.69e5 | 1.16e6 | 103 | 3.0 | 0.838 | bb |
| 2 | 190628K2_2 | 100 | 1.62 | NO | 38.15 | 0.955 | 9.17e5 | 1.13e6 | 99.4 | -0.6 | 0.809 | bb |
| 3 | 190628K2_3 | 100 | 1.62 | NO | 38.15 | 0.955 | 8.90e5 | 1.08e6 | 102 | 1.7 | 0.827 | bb |
| 4 | 190628K2_4 | 100 | 1.64 | NO | 38.15 | 0.955 | 1.08e6 | 1.37e6 | 97.0 | -3.0 | 0.789 | bb |
| 5 | 190628K2_5 | 100 | 1.60 | NO | 38.15 | 0.955 | 1.13e6 | 1.41e6 | 98.8 | -1.2 | 0.804 | bb |
| 6 | 190628K2_6 | 100 | 1.60 | NO | 38.14 | 0.955 | 9.49e5 | 1.17e6 | 100 | 0.1 | 0.815 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-97

Response Factor: 0.709353

RRF SD: 0.0178988, Relative SD: 2.52326

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 1.63 | NO | 39.49 | 0.989 | 8.42e5 | 1.16e6 | 103 | 2.7 | 0.728 | bb |
| 2 | 190628K2_2 | 100 | 1.60 | NO | 39.49 | 0.989 | 8.07e5 | 1.13e6 | 100 | 0.4 | 0.712 | bb |
| 3 | 190628K2_3 | 100 | 1.61 | NO | 39.49 | 0.989 | 7.81e5 | 1.08e6 | 102 | 2.4 | 0.727 | bb |
| 4 | 190628K2_4 | 100 | 1.63 | NO | 39.49 | 0.989 | 9.44e5 | 1.37e6 | 96.9 | -3.1 | 0.687 | bb |
| 5 | 190628K2_5 | 100 | 1.63 | NO | 39.49 | 0.989 | 9.71e5 | 1.41e6 | 97.0 | -3.0 | 0.688 | bb |
| 6 | 190628K2_6 | 100 | 1.62 | NO | 39.49 | 0.989 | 8.31e5 | 1.17e6 | 101 | 0.5 | 0.713 | bb |

Compound name: 13C-PCB-123

Response Factor: 0.921605

RRF SD: 0.0152087, Relative SD: 1.65024

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 1.60 | NO | 42.15 | 1.056 | 1.09e6 | 1.16e6 | 102 | 2.1 | 0.941 | bd |
| 2 | 190628K2_2 | 100 | 1.63 | NO | 42.15 | 1.055 | 1.04e6 | 1.13e6 | 99.6 | -0.4 | 0.918 | bd |
| 3 | 190628K2_3 | 100 | 1.61 | NO | 42.15 | 1.055 | 1.01e6 | 1.08e6 | 102 | 1.6 | 0.936 | bd |
| 4 | 190628K2_4 | 100 | 1.57 | NO | 42.15 | 1.056 | 1.24e6 | 1.37e6 | 97.7 | -2.3 | 0.901 | bd |
| 5 | 190628K2_5 | 100 | 1.58 | NO | 42.15 | 1.056 | 1.28e6 | 1.41e6 | 98.9 | -1.1 | 0.911 | bd |
| 6 | 190628K2_6 | 100 | 1.62 | NO | 42.14 | 1.055 | 1.07e6 | 1.17e6 | 100 | 0.1 | 0.923 | bd |

Compound name: 13C-PCB-118

Response Factor: 0.974956

RRF SD: 0.0102057, Relative SD: 1.04679

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 1.64 | NO | 42.34 | 1.060 | 1.14e6 | 1.16e6 | 101 | 1.4 | 0.989 | db |
| 2 | 190628K2_2 | 100 | 1.63 | NO | 42.34 | 1.060 | 1.09e6 | 1.13e6 | 99.0 | -1.0 | 0.965 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-118

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 100 | 1.61 | NO | 42.34 | 1.060 | 1.04e6 | 1.08e6 | 99.5 | -0.5 | 0.970 | db |
| 4 | 190628K2_4 | 100 | 1.60 | NO | 42.34 | 1.060 | 1.35e6 | 1.37e6 | 101 | 0.7 | 0.981 | db |
| 5 | 190628K2_5 | 100 | 1.62 | NO | 42.34 | 1.060 | 1.38e6 | 1.41e6 | 101 | 0.6 | 0.981 | db |
| 6 | 190628K2_6 | 100 | 1.60 | NO | 42.32 | 1.060 | 1.12e6 | 1.17e6 | 98.9 | -1.1 | 0.964 | db |

Compound name: 13C-PCB-114

Response Factor: 1.5194

RRF SD: 0.0421961, Relative SD: 2.77715

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.57 | NO | 43.02 | 0.909 | 9.51e5 | 6.32e5 | 99.1 | -0.9 | 1.51 | bb |
| 2 | 190628K2_2 | 100 | 1.55 | NO | 43.02 | 0.909 | 9.12e5 | 6.11e5 | 98.2 | -1.8 | 1.49 | bb |
| 3 | 190628K2_3 | 100 | 1.54 | NO | 43.02 | 0.909 | 8.94e5 | 5.87e5 | 100 | 0.2 | 1.52 | bb |
| 4 | 190628K2_4 | 100 | 1.54 | NO | 43.02 | 0.909 | 1.12e6 | 7.19e5 | 103 | 2.6 | 1.56 | bb |
| 5 | 190628K2_5 | 100 | 1.54 | NO | 43.02 | 0.909 | 1.18e6 | 7.49e5 | 104 | 3.6 | 1.57 | bb |
| 6 | 190628K2_6 | 100 | 1.56 | NO | 43.02 | 0.910 | 9.55e5 | 6.54e5 | 96.2 | -3.8 | 1.46 | bd |

Compound name: 13C-PCB-105

Response Factor: 1.58333

RRF SD: 0.0248304, Relative SD: 1.56824

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.56 | NO | 43.91 | 0.928 | 1.01e6 | 6.32e5 | 101 | 1.1 | 1.60 | dd |
| 2 | 190628K2_2 | 100 | 1.55 | NO | 43.91 | 0.928 | 9.63e5 | 6.11e5 | 99.5 | -0.5 | 1.58 | dd |
| 3 | 190628K2_3 | 100 | 1.57 | NO | 43.91 | 0.928 | 9.24e5 | 5.87e5 | 99.5 | -0.5 | 1.57 | dd |
| 4 | 190628K2_4 | 100 | 1.56 | NO | 43.91 | 0.928 | 1.15e6 | 7.19e5 | 101 | 0.9 | 1.60 | bd |
| 5 | 190628K2_5 | 100 | 1.56 | NO | 43.91 | 0.928 | 1.21e6 | 7.49e5 | 102 | 1.7 | 1.61 | bd |
| 6 | 190628K2_6 | 100 | 1.53 | NO | 43.91 | 0.928 | 1.01e6 | 6.54e5 | 97.4 | -2.6 | 1.54 | bd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-127

Response Factor: 1.6216

RRF SD: 0.0248818, Relative SD: 1.5344

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.54 | NO | 44.25 | 0.935 | 1.03e6 | 6.32e5 | 101 | 0.6 | 1.63 | db |
| 2 | 190628K2_2 | 100 | 1.56 | NO | 44.27 | 0.936 | 1.00e6 | 6.11e5 | 101 | 1.0 | 1.64 | db |
| 3 | 190628K2_3 | 100 | 1.57 | NO | 44.27 | 0.936 | 9.66e5 | 5.87e5 | 101 | 1.5 | 1.65 | dd |
| 4 | 190628K2_4 | 100 | 1.54 | NO | 44.25 | 0.935 | 1.16e6 | 7.19e5 | 99.8 | -0.2 | 1.62 | bb |
| 5 | 190628K2_5 | 100 | 1.58 | NO | 44.25 | 0.935 | 1.22e6 | 7.49e5 | 100 | 0.0 | 1.62 | bb |
| 6 | 190628K2_6 | 100 | 1.53 | NO | 44.25 | 0.936 | 1.03e6 | 6.54e5 | 97.1 | -2.9 | 1.58 | bb |

Compound name: 13C-PCB-126

Response Factor: 1.44528

RRF SD: 0.0309095, Relative SD: 2.13865

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.55 | NO | 46.22 | 0.977 | 9.10e5 | 6.32e5 | 99.7 | -0.3 | 1.44 | bd |
| 2 | 190628K2_2 | 100 | 1.57 | NO | 46.22 | 0.977 | 8.64e5 | 6.11e5 | 97.8 | -2.2 | 1.41 | bd |
| 3 | 190628K2_3 | 100 | 1.57 | NO | 46.22 | 0.977 | 8.49e5 | 5.87e5 | 100 | 0.1 | 1.45 | bd |
| 4 | 190628K2_4 | 100 | 1.56 | NO | 46.22 | 0.977 | 1.06e6 | 7.19e5 | 102 | 2.1 | 1.48 | bb |
| 5 | 190628K2_5 | 100 | 1.55 | NO | 46.22 | 0.977 | 1.11e6 | 7.49e5 | 103 | 2.8 | 1.49 | bb |
| 6 | 190628K2_6 | 100 | 1.55 | NO | 46.22 | 0.977 | 9.21e5 | 6.54e5 | 97.5 | -2.5 | 1.41 | bd |

Compound name: 13C-PCB-155

Response Factor: 1.02601

RRF SD: 0.055855, Relative SD: 5.44389

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.25 | NO | 37.67 | 0.943 | 1.26e6 | 1.16e6 | 106 | 6.1 | 1.09 | bb |
| 2 | 190628K2_2 | 100 | 1.29 | NO | 37.67 | 0.943 | 1.20e6 | 1.13e6 | 103 | 3.5 | 1.06 | bb |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-155

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 100 | 1.28 | NO | 37.67 | 0.943 | 1.15e6 | 1.08e6 | 104 | 4.3 | 1.07 | bb |
| 4 | 190628K2_4 | 100 | 1.23 | NO | 37.67 | 0.943 | 1.32e6 | 1.37e6 | 93.6 | -6.4 | 0.961 | bb |
| 5 | 190628K2_5 | 100 | 1.24 | NO | 37.67 | 0.943 | 1.36e6 | 1.41e6 | 93.8 | -6.2 | 0.963 | bb |
| 6 | 190628K2_6 | 100 | 1.29 | NO | 37.67 | 0.943 | 1.18e6 | 1.17e6 | 98.7 | -1.3 | 1.01 | bb |

Compound name: 13C-PCB-153

Response Factor: 1.42376

RRF SD: 0.0366483, Relative SD: 2.57404

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.25 | NO | 44.08 | 0.932 | 9.27e5 | 6.32e5 | 103 | 3.1 | 1.47 | bb |
| 2 | 190628K2_2 | 100 | 1.27 | NO | 44.08 | 0.932 | 8.81e5 | 6.11e5 | 101 | 1.3 | 1.44 | bb |
| 3 | 190628K2_3 | 100 | 1.28 | NO | 44.08 | 0.932 | 8.55e5 | 5.87e5 | 102 | 2.3 | 1.46 | bb |
| 4 | 190628K2_4 | 100 | 1.28 | NO | 44.08 | 0.932 | 1.01e6 | 7.19e5 | 98.8 | -1.2 | 1.41 | bb |
| 5 | 190628K2_5 | 100 | 1.27 | NO | 44.08 | 0.932 | 1.04e6 | 7.49e5 | 97.3 | -2.7 | 1.39 | bb |
| 6 | 190628K2_6 | 100 | 1.24 | NO | 44.06 | 0.932 | 9.04e5 | 6.54e5 | 97.2 | -2.8 | 1.38 | bb |

Compound name: 13C-PCB-141

Response Factor: 1.1427

RRF SD: 0.0320411, Relative SD: 2.80397

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.28 | NO | 44.83 | 0.947 | 7.44e5 | 6.32e5 | 103 | 3.0 | 1.18 | bb |
| 2 | 190628K2_2 | 100 | 1.30 | NO | 44.83 | 0.948 | 7.19e5 | 6.11e5 | 103 | 3.0 | 1.18 | bb |
| 3 | 190628K2_3 | 100 | 1.28 | NO | 44.83 | 0.948 | 6.77e5 | 5.87e5 | 101 | 0.9 | 1.15 | bb |
| 4 | 190628K2_4 | 100 | 1.26 | NO | 44.83 | 0.947 | 8.10e5 | 7.19e5 | 98.6 | -1.4 | 1.13 | bb |
| 5 | 190628K2_5 | 100 | 1.27 | NO | 44.83 | 0.947 | 8.22e5 | 7.49e5 | 96.0 | -4.0 | 1.10 | bb |
| 6 | 190628K2_6 | 100 | 1.28 | NO | 44.83 | 0.948 | 7.35e5 | 6.54e5 | 98.5 | -1.5 | 1.13 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-138

Response Factor: 1.18003
 RRF SD: 0.0183162, Relative SD: 1.55219
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.26 | NO | 45.71 | 0.966 | 7.59e5 | 6.32e5 | 102 | 1.8 | 1.20 | bb |
| 2 | 190628K2_2 | 100 | 1.28 | NO | 45.71 | 0.966 | 7.22e5 | 6.11e5 | 100 | 0.1 | 1.18 | bb |
| 3 | 190628K2_3 | 100 | 1.25 | NO | 45.71 | 0.966 | 7.06e5 | 5.87e5 | 102 | 1.9 | 1.20 | bb |
| 4 | 190628K2_4 | 100 | 1.25 | NO | 45.71 | 0.966 | 8.40e5 | 7.19e5 | 99.0 | -1.0 | 1.17 | bb |
| 5 | 190628K2_5 | 100 | 1.28 | NO | 45.71 | 0.966 | 8.73e5 | 7.49e5 | 98.8 | -1.2 | 1.17 | bb |
| 6 | 190628K2_6 | 100 | 1.25 | NO | 45.69 | 0.966 | 7.59e5 | 6.54e5 | 98.4 | -1.6 | 1.16 | bb |

Compound name: 13C-PCB-159

Response Factor: 1.43334
 RRF SD: 0.0182723, Relative SD: 1.2748
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.26 | NO | 47.03 | 0.994 | 9.24e5 | 6.32e5 | 102 | 2.0 | 1.46 | bd |
| 2 | 190628K2_2 | 100 | 1.23 | NO | 47.03 | 0.994 | 8.65e5 | 6.11e5 | 98.7 | -1.3 | 1.41 | bb |
| 3 | 190628K2_3 | 100 | 1.26 | NO | 47.03 | 0.994 | 8.45e5 | 5.87e5 | 100 | 0.4 | 1.44 | bd |
| 4 | 190628K2_4 | 100 | 1.26 | NO | 47.03 | 0.994 | 1.03e6 | 7.19e5 | 99.6 | -0.4 | 1.43 | bd |
| 5 | 190628K2_5 | 100 | 1.27 | NO | 47.03 | 0.994 | 1.08e6 | 7.49e5 | 101 | 0.5 | 1.44 | bd |
| 6 | 190628K2_6 | 100 | 1.26 | NO | 47.03 | 0.994 | 9.24e5 | 6.54e5 | 98.7 | -1.3 | 1.41 | bd |

Compound name: 13C-PCB-167

Response Factor: 1.42407
 RRF SD: 0.0216388, Relative SD: 1.51951
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.27 | NO | 47.73 | 1.009 | 9.22e5 | 6.32e5 | 103 | 2.5 | 1.46 | bb |
| 2 | 190628K2_2 | 100 | 1.28 | NO | 47.73 | 1.009 | 8.60e5 | 6.11e5 | 98.9 | -1.1 | 1.41 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-167

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 100 | 1.26 | NO | 47.73 | 1.009 | 8.45e5 | 5.87e5 | 101 | 1.1 | 1.44 | bb |
| 4 | 190628K2_4 | 100 | 1.24 | NO | 47.73 | 1.009 | 1.01e6 | 7.19e5 | 98.8 | -1.2 | 1.41 | bb |
| 5 | 190628K2_5 | 100 | 1.25 | NO | 47.73 | 1.009 | 1.07e6 | 7.49e5 | 99.8 | -0.2 | 1.42 | bb |
| 6 | 190628K2_6 | 100 | 1.27 | NO | 47.73 | 1.009 | 9.21e5 | 6.54e5 | 98.9 | -1.1 | 1.41 | bb |

Compound name: 13C-PCB-156

Response Factor: 1.39757

RRF SD: 0.0238831, Relative SD: 1.70891

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.26 | NO | 49.06 | 1.037 | 8.89e5 | 6.32e5 | 101 | 0.8 | 1.41 | bb |
| 2 | 190628K2_2 | 100 | 1.27 | NO | 49.08 | 1.037 | 8.48e5 | 6.11e5 | 99.3 | -0.7 | 1.39 | bd |
| 3 | 190628K2_3 | 100 | 1.26 | NO | 49.08 | 1.037 | 8.22e5 | 5.87e5 | 100 | 0.2 | 1.40 | bd |
| 4 | 190628K2_4 | 100 | 1.28 | NO | 49.06 | 1.037 | 1.01e6 | 7.19e5 | 100 | 0.3 | 1.40 | bb |
| 5 | 190628K2_5 | 100 | 1.27 | NO | 49.06 | 1.037 | 1.07e6 | 7.49e5 | 102 | 2.3 | 1.43 | bb |
| 6 | 190628K2_6 | 100 | 1.28 | NO | 49.06 | 1.037 | 8.87e5 | 6.54e5 | 97.1 | -2.9 | 1.36 | bd |

Compound name: 13C-PCB-157

Response Factor: 1.40667

RRF SD: 0.0289658, Relative SD: 2.05919

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.28 | NO | 49.34 | 1.043 | 9.06e5 | 6.32e5 | 102 | 2.0 | 1.44 | bb |
| 2 | 190628K2_2 | 100 | 1.28 | NO | 49.34 | 1.043 | 8.34e5 | 6.11e5 | 97.0 | -3.0 | 1.36 | db |
| 3 | 190628K2_3 | 100 | 1.25 | NO | 49.34 | 1.043 | 8.40e5 | 5.87e5 | 102 | 1.7 | 1.43 | db |
| 4 | 190628K2_4 | 100 | 1.24 | NO | 49.34 | 1.043 | 1.01e6 | 7.19e5 | 100 | 0.1 | 1.41 | bb |
| 5 | 190628K2_5 | 100 | 1.27 | NO | 49.34 | 1.043 | 1.07e6 | 7.49e5 | 101 | 1.2 | 1.42 | bb |
| 6 | 190628K2_6 | 100 | 1.28 | NO | 49.34 | 1.043 | 9.01e5 | 6.54e5 | 98.0 | -2.0 | 1.38 | dd |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-169

Response Factor: 1.34613

RRF SD: 0.0307594, Relative SD: 2.28501

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.26 | NO | 51.62 | 1.091 | 8.71e5 | 6.32e5 | 102 | 2.4 | 1.38 | bb |
| 2 | 190628K2_2 | 100 | 1.25 | NO | 51.62 | 1.091 | 8.00e5 | 6.11e5 | 97.2 | -2.8 | 1.31 | bb |
| 3 | 190628K2_3 | 100 | 1.28 | NO | 51.62 | 1.091 | 7.92e5 | 5.87e5 | 100 | 0.3 | 1.35 | bd |
| 4 | 190628K2_4 | 100 | 1.27 | NO | 51.62 | 1.091 | 9.82e5 | 7.19e5 | 101 | 1.5 | 1.37 | bb |
| 5 | 190628K2_5 | 100 | 1.27 | NO | 51.62 | 1.091 | 1.02e6 | 7.49e5 | 102 | 1.5 | 1.37 | bb |
| 6 | 190628K2_6 | 100 | 1.26 | NO | 51.62 | 1.091 | 8.55e5 | 6.54e5 | 97.2 | -2.8 | 1.31 | bb |

Compound name: 13C-PCB-188

Response Factor: 1.46265

RRF SD: 0.0268105, Relative SD: 1.83302

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.44 | NO | 43.68 | 0.927 | 9.11e5 | 6.10e5 | 102 | 2.1 | 1.49 | bb |
| 2 | 190628K2_2 | 100 | 0.45 | NO | 43.70 | 0.927 | 8.63e5 | 5.90e5 | 100 | 0.1 | 1.46 | bb |
| 3 | 190628K2_3 | 100 | 0.45 | NO | 43.70 | 0.927 | 8.36e5 | 5.65e5 | 101 | 1.2 | 1.48 | bb |
| 4 | 190628K2_4 | 100 | 0.44 | NO | 43.68 | 0.927 | 1.01e6 | 6.91e5 | 100 | 0.0 | 1.46 | bb |
| 5 | 190628K2_5 | 100 | 0.44 | NO | 43.68 | 0.927 | 1.06e6 | 7.27e5 | 99.9 | -0.1 | 1.46 | bb |
| 6 | 190628K2_6 | 100 | 0.45 | NO | 43.68 | 0.927 | 8.78e5 | 6.21e5 | 96.7 | -3.3 | 1.41 | bb |

Compound name: 13C-PCB-180

Response Factor: 0.931916

RRF SD: 0.019065, Relative SD: 2.04579

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.45 | NO | 50.40 | 1.070 | 5.87e5 | 6.10e5 | 103 | 3.3 | 0.962 | bb |
| 2 | 190628K2_2 | 100 | 0.46 | NO | 50.40 | 1.070 | 5.46e5 | 5.90e5 | 99.4 | -0.6 | 0.926 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-180

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 3 | 190628K2_3 | 100 | 0.46 | NO | 50.40 | 1.070 | 5.34e5 | 5.65e5 | 102 | 1.5 | 0.946 | bd |
| 4 | 190628K2_4 | 100 | 0.44 | NO | 50.39 | 1.069 | 6.42e5 | 6.91e5 | 99.7 | -0.3 | 0.929 | bd |
| 5 | 190628K2_5 | 100 | 0.46 | NO | 50.39 | 1.069 | 6.63e5 | 7.27e5 | 97.8 | -2.2 | 0.912 | bb |
| 6 | 190628K2_6 | 100 | 0.44 | NO | 50.39 | 1.069 | 5.69e5 | 6.21e5 | 98.3 | -1.7 | 0.916 | bb |

Compound name: 13C-PCB-170

Response Factor: 0.795673
 RRF SD: 0.015612, Relative SD: 1.96211
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.46 | NO | 52.05 | 1.105 | 4.96e5 | 6.10e5 | 102 | 2.0 | 0.812 | bb |
| 2 | 190628K2_2 | 100 | 0.47 | NO | 52.05 | 1.105 | 4.64e5 | 5.90e5 | 98.9 | -1.1 | 0.787 | bb |
| 3 | 190628K2_3 | 100 | 0.46 | NO | 52.05 | 1.105 | 4.62e5 | 5.65e5 | 103 | 2.9 | 0.819 | bb |
| 4 | 190628K2_4 | 100 | 0.45 | NO | 52.05 | 1.105 | 5.46e5 | 6.91e5 | 99.4 | -0.6 | 0.791 | bb |
| 5 | 190628K2_5 | 100 | 0.45 | NO | 52.05 | 1.105 | 5.68e5 | 7.27e5 | 98.3 | -1.7 | 0.782 | bb |
| 6 | 190628K2_6 | 100 | 0.46 | NO | 52.05 | 1.105 | 4.87e5 | 6.21e5 | 98.6 | -1.4 | 0.784 | bb |

Compound name: 13C-PCB-189

Response Factor: 1.09024
 RRF SD: 0.02747, Relative SD: 2.51964
 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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.45 | NO | 53.74 | 1.140 | 6.83e5 | 6.10e5 | 103 | 2.7 | 1.12 | bb |
| 2 | 190628K2_2 | 100 | 0.45 | NO | 53.74 | 1.140 | 6.20e5 | 5.90e5 | 96.4 | -3.6 | 1.05 | bb |
| 3 | 190628K2_3 | 100 | 0.46 | NO | 53.74 | 1.140 | 6.19e5 | 5.65e5 | 100 | 0.5 | 1.10 | bb |
| 4 | 190628K2_4 | 100 | 0.45 | NO | 53.74 | 1.140 | 7.60e5 | 6.91e5 | 101 | 0.8 | 1.10 | bb |
| 5 | 190628K2_5 | 100 | 0.45 | NO | 53.74 | 1.140 | 8.09e5 | 7.27e5 | 102 | 2.1 | 1.11 | bb |
| 6 | 190628K2_6 | 100 | 0.44 | NO | 53.72 | 1.140 | 6.60e5 | 6.21e5 | 97.5 | -2.5 | 1.06 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-202

Response Factor: 1.45045

RRF SD: 0.0520831, Relative SD: 3.59082

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.93 | NO | 49.29 | 1.042 | 9.24e5 | 6.10e5 | 104 | 4.4 | 1.51 | bb |
| 2 | 190628K2_2 | 100 | 0.92 | NO | 49.29 | 1.042 | 8.73e5 | 5.90e5 | 102 | 2.1 | 1.48 | bb |
| 3 | 190628K2_3 | 100 | 0.93 | NO | 49.29 | 1.042 | 8.36e5 | 5.65e5 | 102 | 2.1 | 1.48 | bb |
| 4 | 190628K2_4 | 100 | 0.92 | NO | 49.29 | 1.042 | 9.80e5 | 6.91e5 | 97.8 | -2.2 | 1.42 | bb |
| 5 | 190628K2_5 | 100 | 0.93 | NO | 49.29 | 1.042 | 9.96e5 | 7.27e5 | 94.5 | -5.5 | 1.37 | bb |
| 6 | 190628K2_6 | 100 | 0.94 | NO | 49.27 | 1.042 | 8.93e5 | 6.21e5 | 99.1 | -0.9 | 1.44 | bb |

Compound name: 13C-PCB-194

Response Factor: 0.713578

RRF SD: 0.0152843, Relative SD: 2.14192

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.88 | NO | 55.33 | 0.995 | 5.94e5 | 8.28e5 | 100 | 0.5 | 0.717 | bb |
| 2 | 190628K2_2 | 100 | 0.89 | NO | 55.33 | 0.995 | 5.44e5 | 7.49e5 | 102 | 1.7 | 0.726 | bb |
| 3 | 190628K2_3 | 100 | 0.92 | NO | 55.34 | 0.995 | 5.50e5 | 7.62e5 | 101 | 1.1 | 0.721 | bb |
| 4 | 190628K2_4 | 100 | 0.90 | NO | 55.33 | 0.995 | 6.70e5 | 9.53e5 | 98.5 | -1.5 | 0.703 | bb |
| 5 | 190628K2_5 | 100 | 0.90 | NO | 55.33 | 0.995 | 7.05e5 | 1.02e6 | 96.4 | -3.6 | 0.688 | bb |
| 6 | 190628K2_6 | 100 | 0.90 | NO | 55.33 | 0.995 | 5.96e5 | 8.20e5 | 102 | 1.9 | 0.727 | bb |

Compound name: 13C-PCB-208

Response Factor: 0.896051

RRF SD: 0.031901, Relative SD: 3.56018

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.78 | NO | 54.58 | 0.982 | 7.59e5 | 8.28e5 | 102 | 2.3 | 0.917 | bb |
| 2 | 190628K2_2 | 100 | 0.78 | NO | 54.58 | 0.982 | 7.01e5 | 7.49e5 | 104 | 4.3 | 0.935 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-208

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 3 | 190628K2_3 | 100 | 0.77 | NO | 54.58 | 0.982 | 6.91e5 | 7.62e5 | 101 | 1.2 | 0.907 | bb |
| 4 | 190628K2_4 | 100 | 0.77 | NO | 54.58 | 0.982 | 8.36e5 | 9.53e5 | 97.9 | -2.1 | 0.877 | bb |
| 5 | 190628K2_5 | 100 | 0.80 | NO | 54.58 | 0.982 | 8.64e5 | 1.02e6 | 94.2 | -5.8 | 0.844 | bb |
| 6 | 190628K2_6 | 100 | 0.79 | NO | 54.56 | 0.982 | 7.35e5 | 8.20e5 | 100 | 0.1 | 0.897 | bb |

Compound name: 13C-PCB-206

Response Factor: 0.652605

RRF SD: 0.0173981, Relative SD: 2.66595

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.78 | NO | 56.86 | 1.023 | 5.58e5 | 8.28e5 | 103 | 3.2 | 0.673 | bb |
| 2 | 190628K2_2 | 100 | 0.79 | NO | 56.86 | 1.023 | 4.86e5 | 7.49e5 | 99.4 | -0.6 | 0.648 | bb |
| 3 | 190628K2_3 | 100 | 0.80 | NO | 56.86 | 1.023 | 5.08e5 | 7.62e5 | 102 | 2.1 | 0.666 | bb |
| 4 | 190628K2_4 | 100 | 0.78 | NO | 56.86 | 1.023 | 6.25e5 | 9.53e5 | 100 | 0.5 | 0.656 | bb |
| 5 | 190628K2_5 | 100 | 0.79 | NO | 56.86 | 1.023 | 6.39e5 | 1.02e6 | 95.6 | -4.4 | 0.624 | bb |
| 6 | 190628K2_6 | 100 | 0.80 | NO | 56.86 | 1.023 | 5.31e5 | 8.20e5 | 99.3 | -0.7 | 0.648 | bb |

Compound name: 13C-PCB-209

Response Factor: 0.805524

RRF SD: 0.0223175, Relative SD: 2.77056

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 1.18 | NO | 58.08 | 1.044 | 6.89e5 | 8.28e5 | 103 | 3.3 | 0.832 | bb |
| 2 | 190628K2_2 | 100 | 1.23 | NO | 58.08 | 1.044 | 5.90e5 | 7.49e5 | 97.7 | -2.3 | 0.787 | bb |
| 3 | 190628K2_3 | 100 | 1.20 | NO | 58.08 | 1.044 | 6.36e5 | 7.62e5 | 104 | 3.6 | 0.835 | bb |
| 4 | 190628K2_4 | 100 | 1.22 | NO | 58.08 | 1.044 | 7.64e5 | 9.53e5 | 99.6 | -0.4 | 0.802 | bb |
| 5 | 190628K2_5 | 100 | 1.21 | NO | 58.08 | 1.044 | 8.04e5 | 1.02e6 | 97.5 | -2.5 | 0.785 | bb |
| 6 | 190628K2_6 | 100 | 1.19 | NO | 58.08 | 1.045 | 6.50e5 | 8.20e5 | 98.4 | -1.6 | 0.792 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 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 | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.58 | NO | 26.15 | 0.000 | 1.81e6 | 1.81e6 | 100 | 0.0 | 1.00 | bb |
| 2 | 190628K2_2 | 100 | 1.61 | NO | 26.16 | 0.000 | 1.78e6 | 1.78e6 | 100 | 0.0 | 1.00 | bb |
| 3 | 190628K2_3 | 100 | 1.60 | NO | 26.16 | 0.000 | 1.70e6 | 1.70e6 | 100 | 0.0 | 1.00 | bb |
| 4 | 190628K2_4 | 100 | 1.58 | NO | 26.15 | 0.000 | 2.17e6 | 2.17e6 | 100 | 0.0 | 1.00 | bb |
| 5 | 190628K2_5 | 100 | 1.59 | NO | 26.15 | 0.000 | 2.27e6 | 2.27e6 | 100 | 0.0 | 1.00 | bb |
| 6 | 190628K2_6 | 100 | 1.59 | NO | 26.15 | 0.000 | 1.81e6 | 1.81e6 | 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 | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.99 | NO | 29.32 | 0.000 | 1.53e6 | 1.53e6 | 100 | 0.0 | 1.00 | bd |
| 2 | 190628K2_2 | 100 | 0.98 | NO | 29.32 | 0.000 | 1.45e6 | 1.45e6 | 100 | 0.0 | 1.00 | bd |
| 3 | 190628K2_3 | 100 | 1.00 | NO | 29.32 | 0.000 | 1.37e6 | 1.37e6 | 100 | 0.0 | 1.00 | bd |
| 4 | 190628K2_4 | 100 | 0.98 | NO | 29.32 | 0.000 | 1.78e6 | 1.78e6 | 100 | 0.0 | 1.00 | bd |
| 5 | 190628K2_5 | 100 | 0.97 | NO | 29.32 | 0.000 | 1.83e6 | 1.83e6 | 100 | 0.0 | 1.00 | bd |
| 6 | 190628K2_6 | 100 | 0.97 | NO | 29.32 | 0.000 | 1.39e6 | 1.39e6 | 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 | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.78 | NO | 37.37 | 0.000 | 1.25e6 | 1.25e6 | 100 | 0.0 | 1.00 | bb |
| 2 | 190628K2_2 | 100 | 0.78 | NO | 37.37 | 0.000 | 1.22e6 | 1.22e6 | 100 | 0.0 | 1.00 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-60

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 100 | 0.76 | NO | 37.37 | 0.000 | 1.16e6 | 1.16e6 | 100 | 0.0 | 1.00 | bb |
| 4 | 190628K2_4 | 100 | 0.77 | NO | 37.37 | 0.000 | 1.47e6 | 1.47e6 | 100 | 0.0 | 1.00 | bb |
| 5 | 190628K2_5 | 100 | 0.78 | NO | 37.37 | 0.000 | 1.55e6 | 1.55e6 | 100 | 0.0 | 1.00 | bb |
| 6 | 190628K2_6 | 100 | 0.77 | NO | 37.37 | 0.000 | 1.25e6 | 1.25e6 | 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 | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.58 | NO | 39.94 | 0.000 | 1.16e6 | 1.16e6 | 100 | 0.0 | 1.00 | bb |
| 2 | 190628K2_2 | 100 | 1.56 | NO | 39.94 | 0.000 | 1.13e6 | 1.13e6 | 100 | 0.0 | 1.00 | bb |
| 3 | 190628K2_3 | 100 | 1.64 | NO | 39.94 | 0.000 | 1.08e6 | 1.08e6 | 100 | 0.0 | 1.00 | bb |
| 4 | 190628K2_4 | 100 | 1.62 | NO | 39.94 | 0.000 | 1.37e6 | 1.37e6 | 100 | 0.0 | 1.00 | bb |
| 5 | 190628K2_5 | 100 | 1.62 | NO | 39.94 | 0.000 | 1.41e6 | 1.41e6 | 100 | 0.0 | 1.00 | bb |
| 6 | 190628K2_6 | 100 | 1.61 | NO | 39.94 | 0.000 | 1.17e6 | 1.17e6 | 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 | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 1.25 | NO | 47.32 | 0.000 | 6.32e5 | 6.32e5 | 100 | 0.0 | 1.00 | db |
| 2 | 190628K2_2 | 100 | 1.23 | NO | 47.32 | 0.000 | 6.11e5 | 6.11e5 | 100 | 0.0 | 1.00 | bb |
| 3 | 190628K2_3 | 100 | 1.26 | NO | 47.32 | 0.000 | 5.87e5 | 5.87e5 | 100 | 0.0 | 1.00 | db |
| 4 | 190628K2_4 | 100 | 1.27 | NO | 47.32 | 0.000 | 7.19e5 | 7.19e5 | 100 | 0.0 | 1.00 | db |
| 5 | 190628K2_5 | 100 | 1.26 | NO | 47.32 | 0.000 | 7.49e5 | 7.49e5 | 100 | 0.0 | 1.00 | db |
| 6 | 190628K2_6 | 100 | 1.28 | NO | 47.30 | 0.000 | 6.54e5 | 6.54e5 | 100 | 0.0 | 1.00 | db |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 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 | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.44 | NO | 47.13 | 0.000 | 6.10e5 | 6.10e5 | 100 | 0.0 | 1.00 | bb |
| 2 | 190628K2_2 | 100 | 0.45 | NO | 47.13 | 0.000 | 5.90e5 | 5.90e5 | 100 | 0.0 | 1.00 | bb |
| 3 | 190628K2_3 | 100 | 0.45 | NO | 47.13 | 0.000 | 5.65e5 | 5.65e5 | 100 | 0.0 | 1.00 | bb |
| 4 | 190628K2_4 | 100 | 0.46 | NO | 47.13 | 0.000 | 6.91e5 | 6.91e5 | 100 | 0.0 | 1.00 | bb |
| 5 | 190628K2_5 | 100 | 0.46 | NO | 47.13 | 0.000 | 7.27e5 | 7.27e5 | 100 | 0.0 | 1.00 | bb |
| 6 | 190628K2_6 | 100 | 0.44 | NO | 47.13 | 0.000 | 6.21e5 | 6.21e5 | 100 | 0.0 | 1.00 | bd |

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 | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.91 | NO | 55.60 | 0.000 | 8.28e5 | 8.28e5 | 100 | 0.0 | 1.00 | bb |
| 2 | 190628K2_2 | 100 | 0.89 | NO | 55.60 | 0.000 | 7.49e5 | 7.49e5 | 100 | 0.0 | 1.00 | bb |
| 3 | 190628K2_3 | 100 | 0.90 | NO | 55.60 | 0.000 | 7.62e5 | 7.62e5 | 100 | 0.0 | 1.00 | bb |
| 4 | 190628K2_4 | 100 | 0.90 | NO | 55.60 | 0.000 | 9.53e5 | 9.53e5 | 100 | 0.0 | 1.00 | bb |
| 5 | 190628K2_5 | 100 | 0.90 | NO | 55.60 | 0.000 | 1.02e6 | 1.02e6 | 100 | 0.0 | 1.00 | bb |
| 6 | 190628K2_6 | 100 | 0.93 | NO | 55.59 | 0.000 | 8.20e5 | 8.20e5 | 100 | 0.0 | 1.00 | bb |

Compound name: 13C-PCB-79

Response Factor: 1.03196

RRF SD: 0.0189172, Relative SD: 1.83312

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 |
|---|------------|------------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.77 | NO | 38.47 | 1.029 | 1.31e6 | 1.25e6 | 102 | 1.6 | 1.05 | bd |
| 2 | 190628K2_2 | 100 | 0.78 | NO | 38.47 | 1.029 | 1.22e6 | 1.22e6 | 97.2 | -2.8 | 1.00 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-79

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 3 | 190628K2_3 | 100 | 0.77 | NO | 38.49 | 1.030 | 1.19e6 | 1.16e6 | 98.9 | -1.1 | 1.02 | bb |
| 4 | 190628K2_4 | 100 | 0.78 | NO | 38.47 | 1.029 | 1.52e6 | 1.47e6 | 99.6 | -0.4 | 1.03 | bb |
| 5 | 190628K2_5 | 100 | 0.77 | NO | 38.47 | 1.029 | 1.63e6 | 1.55e6 | 102 | 2.2 | 1.05 | bd |
| 6 | 190628K2_6 | 100 | 0.77 | NO | 38.47 | 1.029 | 1.29e6 | 1.25e6 | 101 | 0.6 | 1.04 | bb |

Compound name: 13C-PCB-178

Response Factor: 0.874585

RRF SD: 0.0311096, Relative SD: 3.55707

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.45 | NO | 46.58 | 0.988 | 5.82e5 | 6.32e5 | 105 | 5.4 | 0.922 | bb |
| 2 | 190628K2_2 | 100 | 0.46 | NO | 46.58 | 0.988 | 5.37e5 | 6.11e5 | 101 | 0.5 | 0.879 | bb |
| 3 | 190628K2_3 | 100 | 0.45 | NO | 46.58 | 0.988 | 5.26e5 | 5.87e5 | 102 | 2.4 | 0.896 | bb |
| 4 | 190628K2_4 | 100 | 0.46 | NO | 46.58 | 0.988 | 6.08e5 | 7.19e5 | 96.6 | -3.4 | 0.845 | bb |
| 5 | 190628K2_5 | 100 | 0.45 | NO | 46.58 | 0.988 | 6.29e5 | 7.49e5 | 96.0 | -4.0 | 0.840 | bb |
| 6 | 190628K2_6 | 100 | 0.46 | NO | 46.56 | 0.988 | 5.66e5 | 6.54e5 | 99.0 | -1.0 | 0.866 | bb |

Compound name: 13C-PCB-79

Response Factor: 1.03196

RRF SD: 0.0189172, Relative SD: 1.83312

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 190628K2_1 | 100 | 0.76 | NO | 38.47 | 0.968 | 1.31e6 | 1.24e6 | 101 | 1.0 | 1.06 | bb |
| 2 | 190628K2_2 | 100 | 0.78 | NO | 38.47 | 0.968 | 1.22e6 | 1.19e6 | 97.9 | -2.1 | 1.02 | bb |
| 3 | 190628K2_3 | 100 | 0.78 | NO | 38.49 | 0.969 | 1.18e6 | 1.14e6 | 99.2 | -0.8 | 1.04 | bb |
| 4 | 190628K2_4 | 100 | 0.78 | NO | 38.47 | 0.968 | 1.52e6 | 1.46e6 | 99.6 | -0.4 | 1.04 | bb |
| 5 | 190628K2_5 | 100 | 0.77 | NO | 38.47 | 0.968 | 1.63e6 | 1.53e6 | 102 | 2.1 | 1.07 | bb |
| 6 | 190628K2_6 | 100 | 0.78 | NO | 38.47 | 0.968 | 1.29e6 | 1.23e6 | 100 | 0.2 | 1.05 | bb |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-178

Response Factor: 0.874585

RRF SD: 0.0311096, Relative SD: 3.55707

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 |
|---|------------|-----------|------|-----|-------|-------|--------|---------|------|------|-------|-------------|
| 1 | 190628K2_1 | 100 | 0.45 | NO | 46.58 | 0.924 | 5.81e5 | 5.87e5 | 102 | 1.6 | 0.990 | bb |
| 2 | 190628K2_2 | 100 | 0.46 | NO | 46.58 | 0.924 | 5.37e5 | 5.46e5 | 101 | 0.9 | 0.984 | bb |
| 3 | 190628K2_3 | 100 | 0.45 | NO | 46.58 | 0.924 | 5.26e5 | 5.34e5 | 101 | 0.9 | 0.984 | bb |
| 4 | 190628K2_4 | 100 | 0.46 | NO | 46.58 | 0.924 | 6.08e5 | 6.42e5 | 97.1 | -2.9 | 0.946 | bb |
| 5 | 190628K2_5 | 100 | 0.45 | NO | 46.58 | 0.924 | 6.29e5 | 6.63e5 | 97.4 | -2.6 | 0.949 | bb |
| 6 | 190628K2_6 | 100 | 0.46 | NO | 46.56 | 0.924 | 5.66e5 | 5.69e5 | 102 | 2.1 | 0.996 | bb |

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:14:43 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_6-28-19.mdb 28 Jun 2019 14:45:02

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Compound name: PCB-1

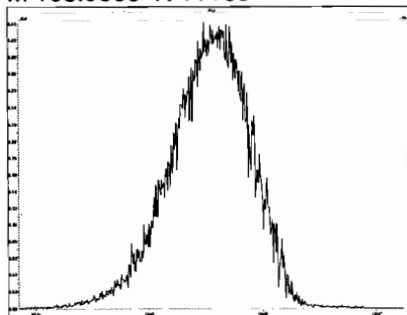
| | Name | ID | Acq.Date | Acq.Time |
|----|-------------|----------------------------------|-----------|----------|
| 1 | 190628K2_1 | ST190628K2-1 PCB 209 CS0 19D0801 | 28-Jun-19 | 16:32:52 |
| 2 | 190628K2_2 | ST190628K2-2 PCB 209 CS1 19C1104 | 28-Jun-19 | 17:34:41 |
| 3 | 190628K2_3 | ST190628K2-3 PCB 209 CS2 19C1105 | 28-Jun-19 | 18:36:12 |
| 4 | 190628K2_4 | ST190628K2-4 PCB 209 CS4 19C1107 | 28-Jun-19 | 19:38:24 |
| 5 | 190628K2_5 | ST190628K2-5 PCB 209 CS5 19C1108 | 28-Jun-19 | 20:39:52 |
| 6 | 190628K2_6 | ST190628K2-6 PCB 209 CS3 19C1106 | 28-Jun-19 | 21:41:21 |
| 7 | 190628K2_7 | SS190628K2-1 PCB 209 SS 19C1113 | 28-Jun-19 | 22:43:59 |
| 8 | 190628K2_8 | B9F0219-BS1 OPR 10 | 28-Jun-19 | 23:46:13 |
| 9 | 190628K2_9 | B9F0204-BS1 OPR 5 | 29-Jun-19 | 00:48:37 |
| 10 | 190628K2_10 | B9F0213-BS1 OPR 10 | 29-Jun-19 | 01:51:12 |
| 11 | 190628K2_11 | B9F0214-BS1 OPR 10 | 29-Jun-19 | 02:53:17 |
| 12 | 190628K2_12 | SOLVENT BLANK | 29-Jun-19 | 03:54:43 |
| 13 | 190628K2_13 | B9F0219-BLK1 Method Blank 10 | 29-Jun-19 | 04:56:11 |
| 14 | 190628K2_14 | B9F0204-BLK1 Method Blank 5 | 29-Jun-19 | 05:58:35 |
| 15 | 190628K2_15 | B9F0213-BLK1 Method Blank 10 | 29-Jun-19 | 07:00:56 |
| 16 | 190628K2_16 | B9F0214-BLK1 Method Blank 10 | 29-Jun-19 | 08:02:46 |

(A) RT, shortage, sensitivity loss

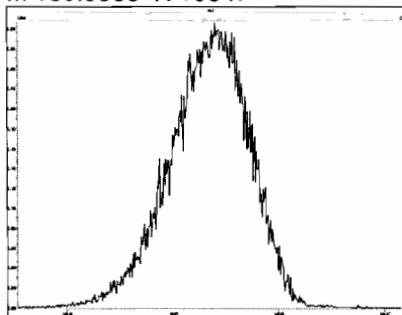
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, June 28, 2019 16:26:41 Pacific Daylight Time

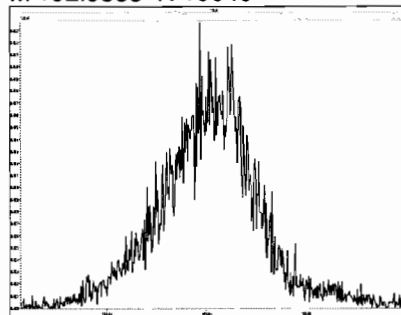
M 168.9888 R 11163



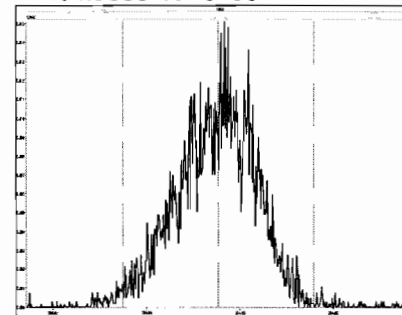
M 180.9888 R 10547



M 192.9888 R 10040



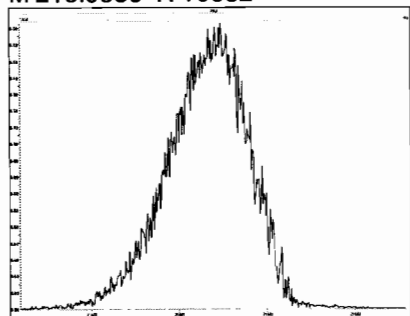
M 204.9888 R 10730



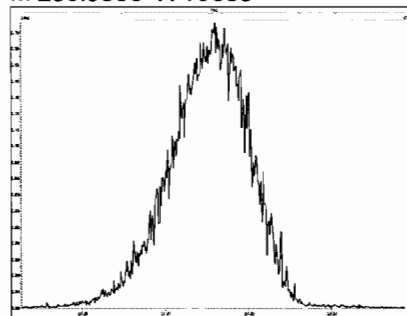
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, June 28, 2019 16:27:09 Pacific Daylight Time

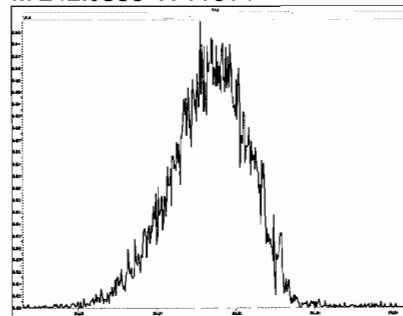
M 218.9856 R 10682



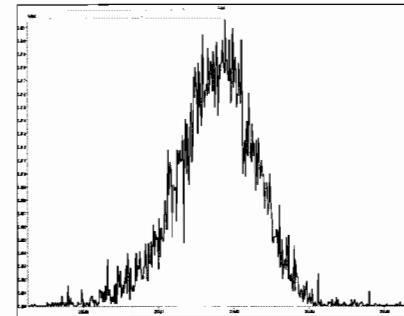
M 230.9856 R 10683



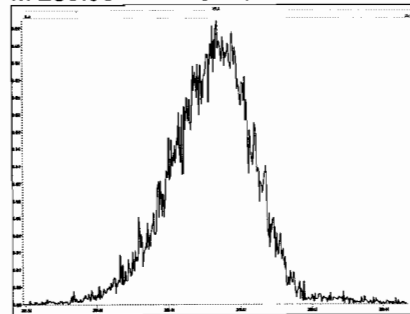
M 242.9856 R 11014



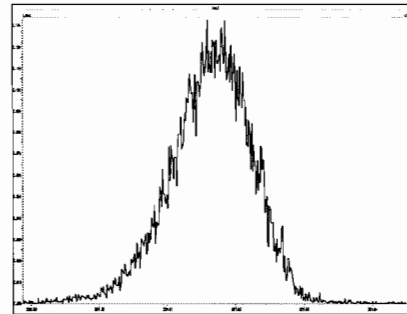
M 254.9856 R 11159



M 268.9824 R 10683



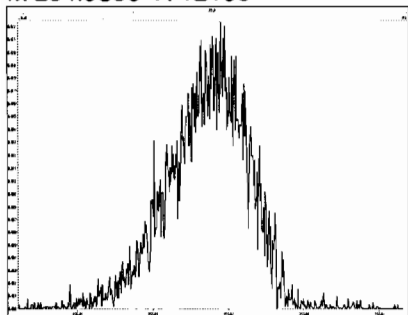
M 280.9824 R 10546



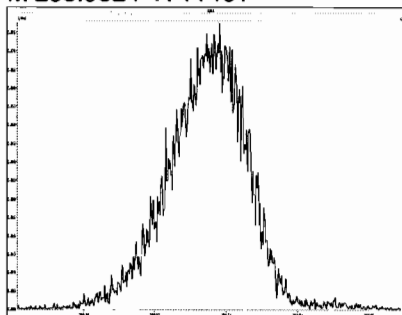
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, June 28, 2019 16:29:37 Pacific Daylight Time

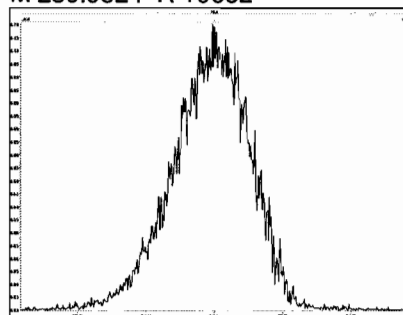
M 254.9856 R 12193



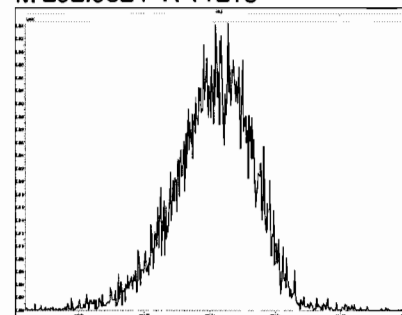
M 268.9824 R 11461



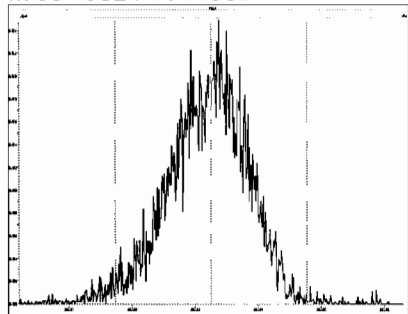
M 280.9824 R 10682



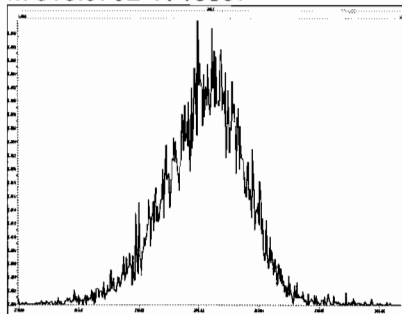
M 292.9824 R 11213



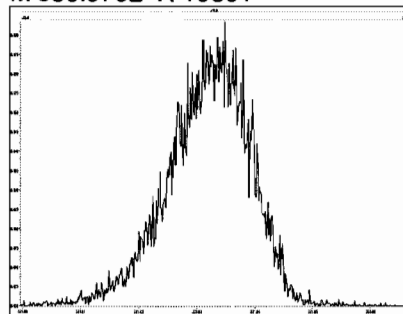
M 304.9824 R 11905



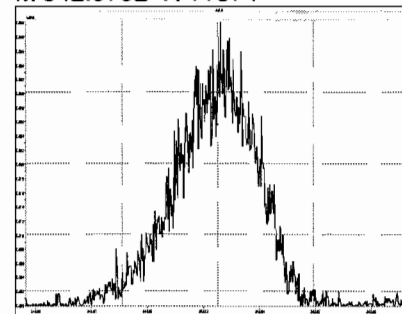
M 318.9792 R 10597



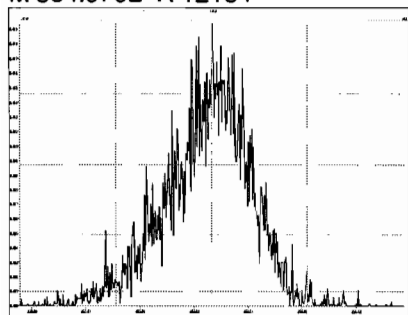
M 330.9792 R 10501



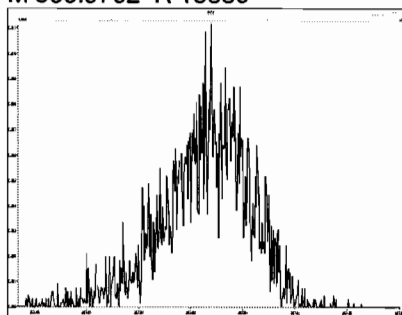
M 342.9792 R 11574



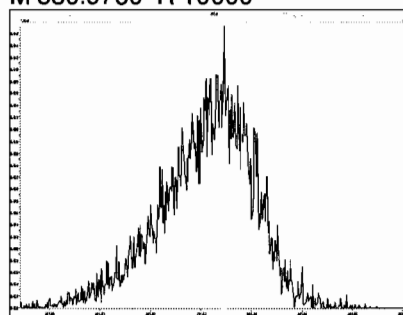
M 354.9792 R 12134



M 366.9792 R 13589



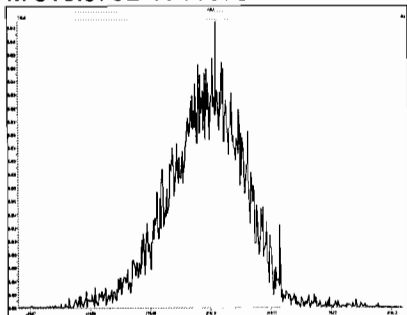
M 380.9760 R 10000



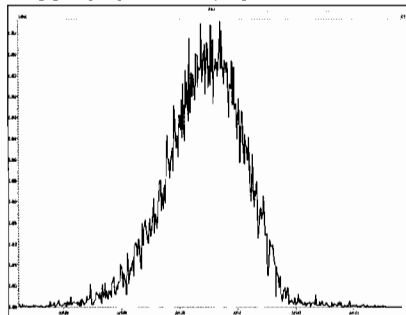
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, June 28, 2019 16:30:23 Pacific Daylight Time

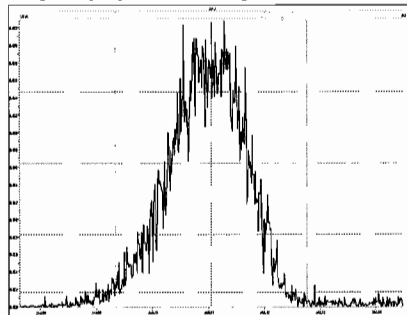
M 318.9792 R 11678



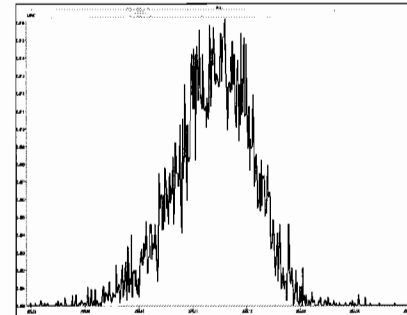
M 330.9792 R 12076



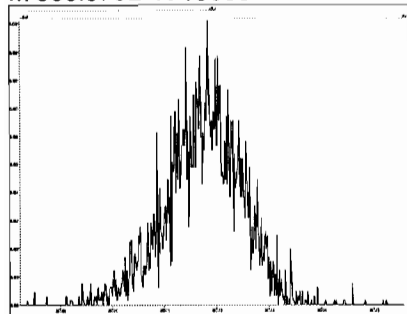
M 342.9792 R 11213



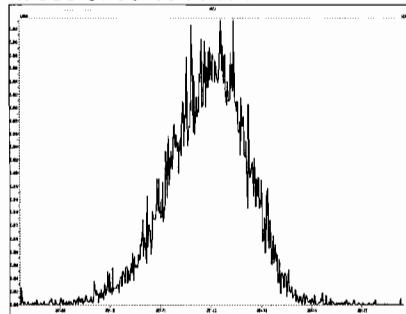
M 354.9792 R 13016



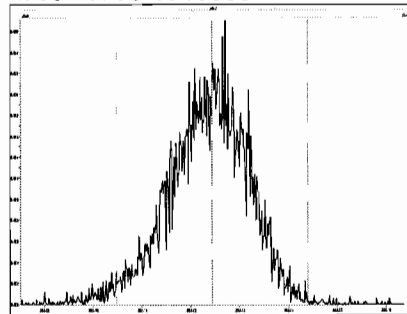
M 366.9792 R 13088



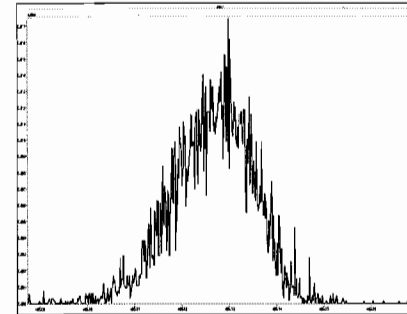
M 380.9760 R 11414



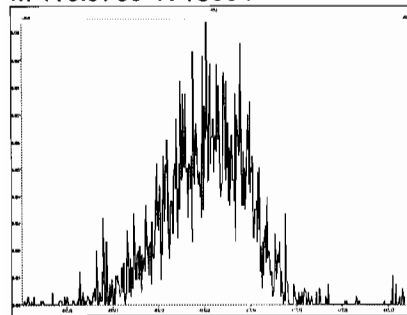
M 392.9760 R 10505



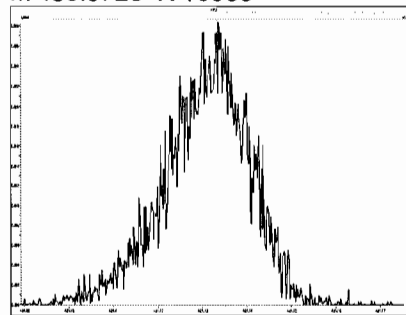
M 404.9760 R 12562



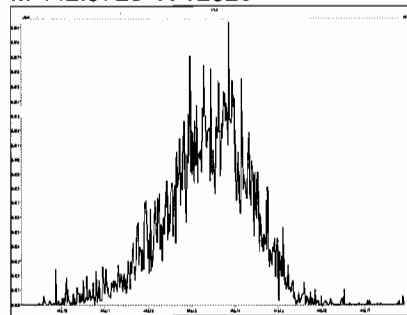
M 416.9760 R 13664



M 430.9728 R 10966



M 442.9728 R 12626



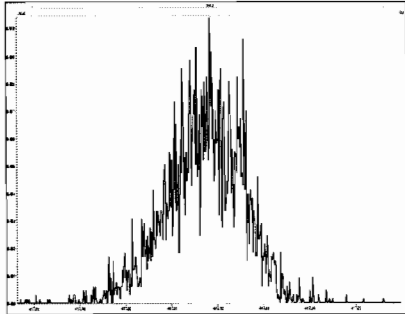
Experiment Calibration Report

MassLynx 4.1 SCN815

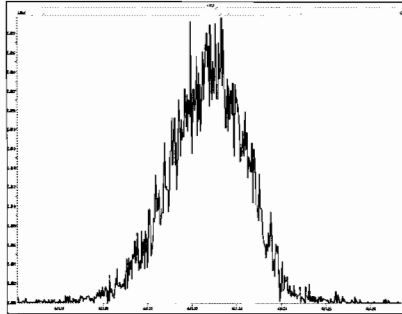
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, June 28, 2019 16:31:07 Pacific Daylight Time

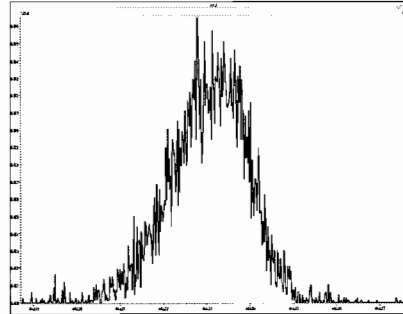
M 416.9760 R 13085



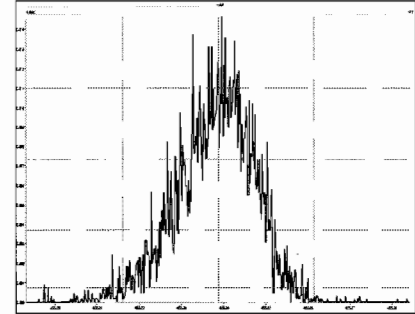
M 430.9728 R 11628



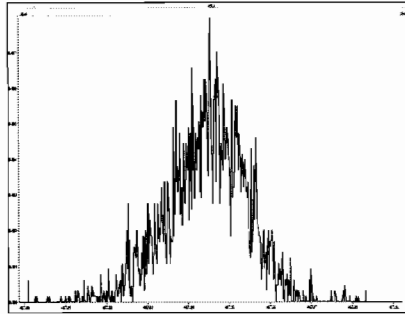
M 442.9728 R 11573



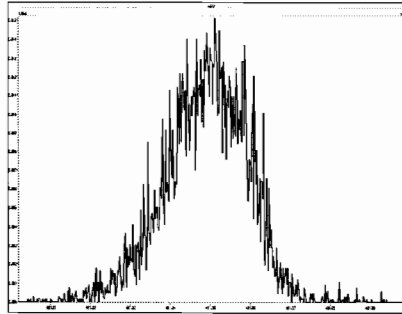
M 454.9728 R 11575



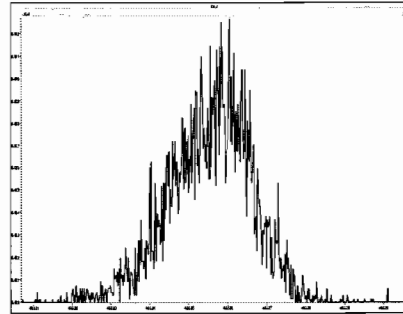
M 466.9728 R 13369



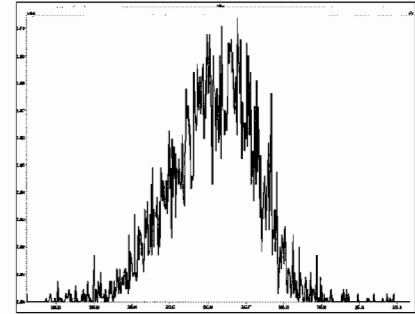
M 480.9696 R 11908



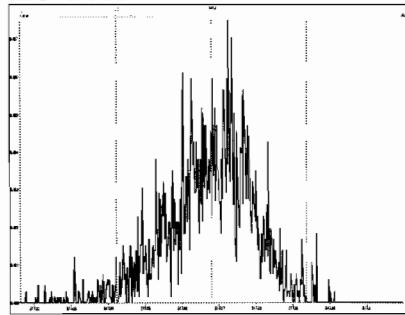
M 492.9696 R 12253



M 504.9696 R 12817



M 516.9697 R 17006



Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

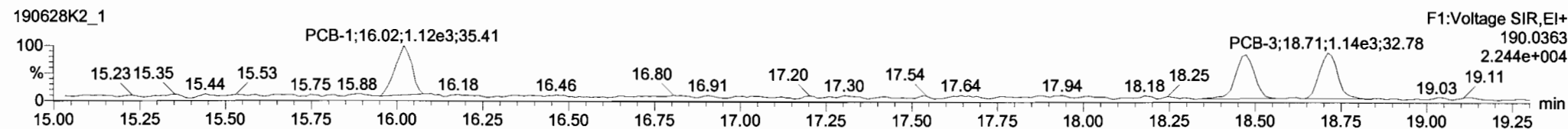
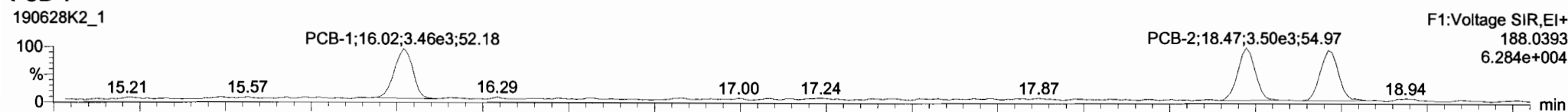
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_6-28-19.mdb 28 Jun 2019 14:45:02

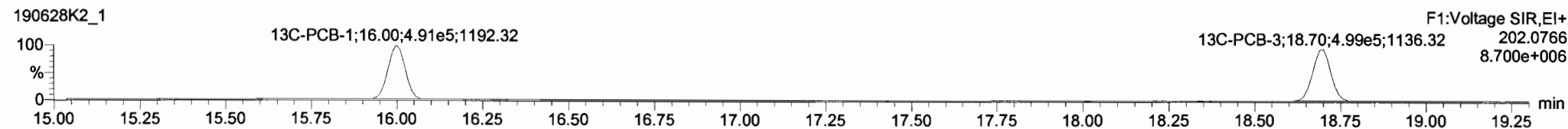
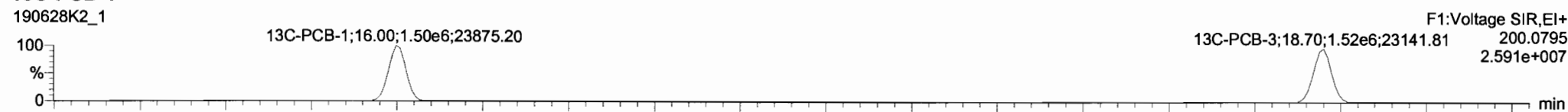
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 11:41:39

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

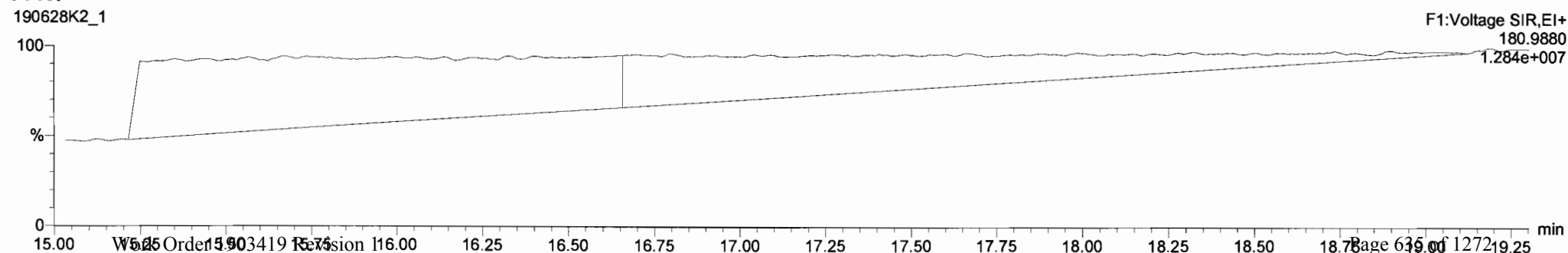
PCB-1



13C-PCB-1

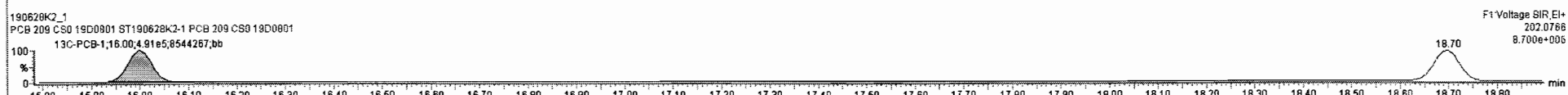
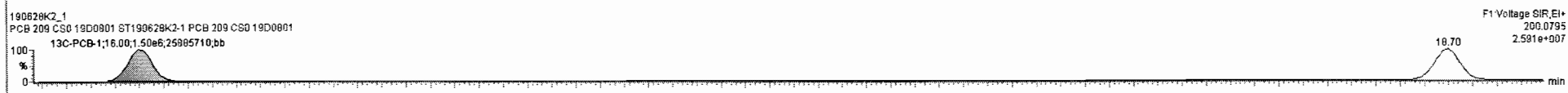
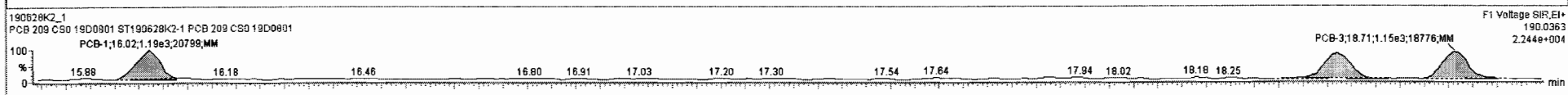
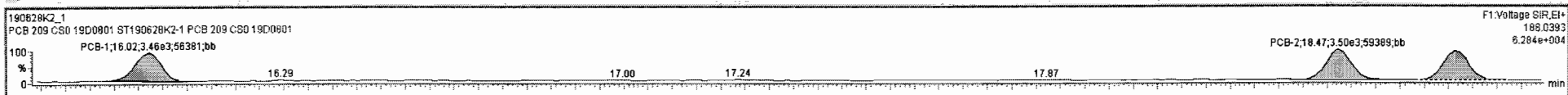


PFK1



| # | Name | Resp | RA | nly | RRF | wthvl | Pred.RT | RT | Pred.R | RRT | RRT F# | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|--------|--------|------|--------|--------|
| 219 | 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6623 | | 0.0291 | 0.6620 |
| 225 | Total Di-PCBs | | | | 1.0599 | 1.000 | 0.00 | | 0.000 | | NO | 2.759 | | 0.170 | 2.759 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | Total Tetra-PCBs | | | | 0.9959 | 1.000 | 0.00 | | 0.000 | | NO | 9.552 | | 0.358 | 9.552 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 9.622 | | 0.419 | 9.622 |
| 230 | 4th Function Penta-PCBs | | | | 1.1128 | 1.000 | 0.00 | | 0.000 | | NO | 1.142 | | 0.0808 | 1.142 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | | 0.000 | | NO | 3.261 | | 0.0621 | 3.261 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1 st Ratio (Pred) | RA | nly | EMPC | Conc. |
|---|---------|---------|-------|---------|---------|------------------------------|------|-----|---------|---------|
| 1 | 3 PCB-3 | 18.71 | 18.71 | 3.490e3 | 1.152e3 | 3.130 | 3.03 | NO | 0.22800 | 0.22814 |
| 2 | 2 PCB-2 | 18.48 | 18.47 | 3.501e3 | 1.106e3 | 3.130 | 3.17 | NO | 0.22600 | 0.22595 |
| 3 | 1 PCB-1 | 16.01 | 16.02 | 3.462e3 | 1.185e3 | 3.130 | 2.92 | NO | 0.22800 | 0.22820 |



Dataset: Untitled

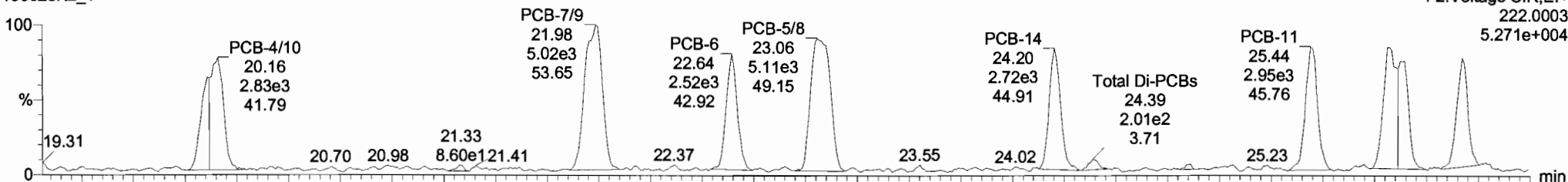
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-4/10

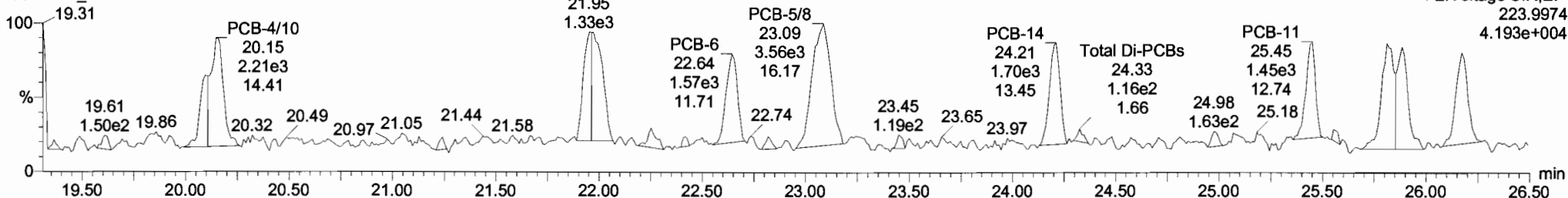
190628K2_1

F2:Voltage SIR,EI+
222.0003
5.271e+004



190628K2_1

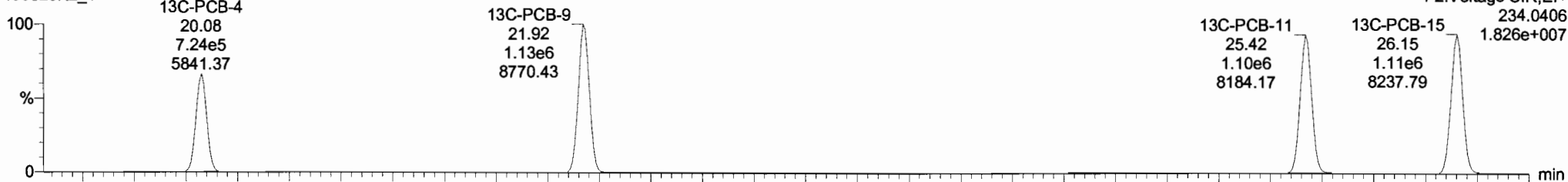
F2:Voltage SIR,EI+
223.9974
4.193e+004



13C-PCB-4

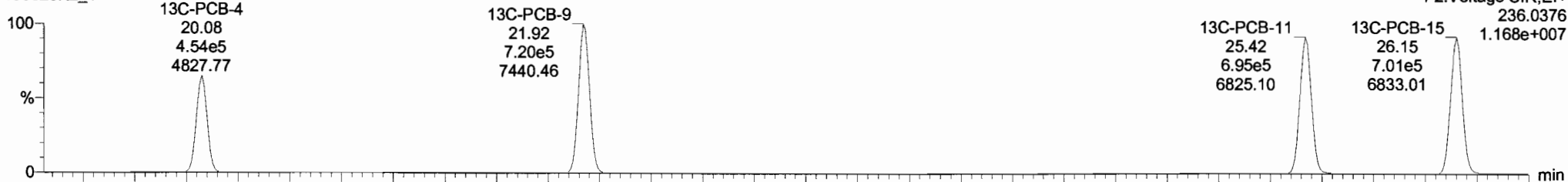
190628K2_1

F2:Voltage SIR,EI+
234.0406
1.826e+007



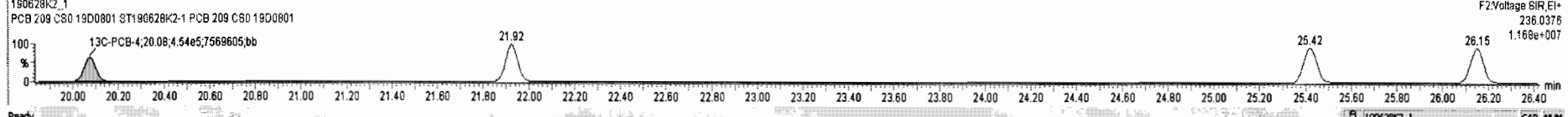
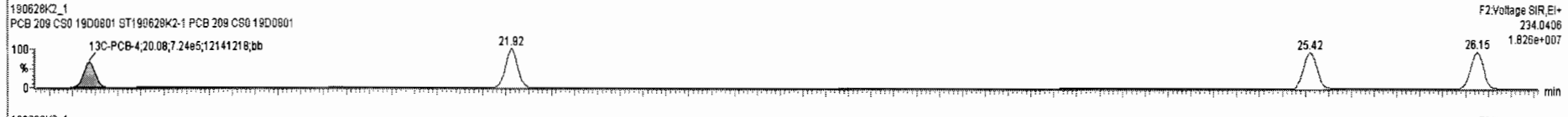
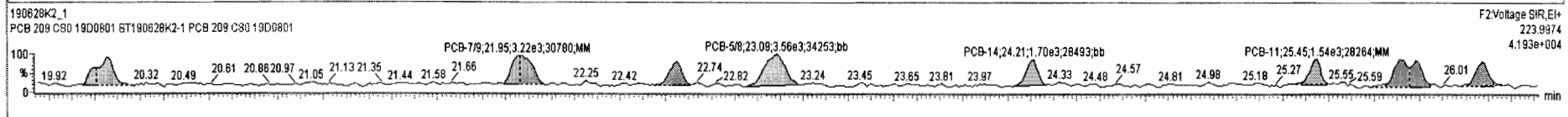
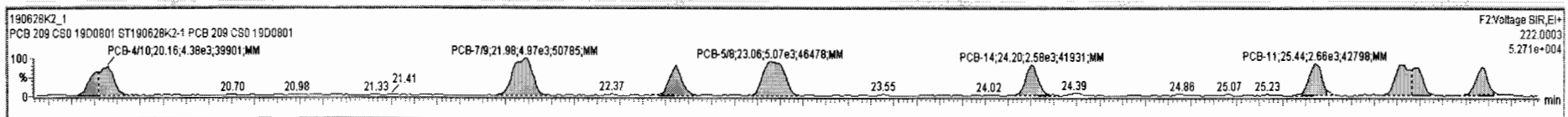
190628K2_1

F2:Voltage SIR,EI+
236.0376
1.168e+007



| # | Name | Resp | RA | n/y | RRF | wt/val | Pred_RT | RT | Pred_R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|-----------|-------|----------|--------|--------|--------|------|
| 219 | 219 13C-PCB-205 | 8.29e5 | 0.91 | NO | 1.0000 | 1.000 | 55.80 | 55.80 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.59 | 46.56 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.988 | 0.988 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 0.8823 | 0.0291 | 0.6823 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 2.753 | 0.170 | 2.753 | |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 1.895 | 0.0699 | 1.895 | |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0586 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 3.738 | 0.197 | 3.738 | |
| 228 | 228 Total Tetra-PCBs | | | | 0.9859 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 9.552 | 0.358 | 9.552 | |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 9.374 | 0.418 | 9.594 | |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1126 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 1.142 | 0.0808 | 1.142 | |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 3.261 | 0.0621 | 3.261 | |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 6.404 | 0.202 | 6.404 | |
| 233 | 233 Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 5.554 | 0.637 | 5.554 | |

| # | Name | Pred_RT | RT | Int Resp | m2 Resp | I* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|----------|---------|-----------------|------|-----|---------|---------|
| 1 | 4 PCB-4/70 | 20.16 | 20.16 | 4.379e3 | 2.894e3 | 1.560 | 1.52 | NO | 0.48375 | 0.48375 |
| 2 | 11 PCB-15 | 26.17 | 26.17 | 2.310e3 | 1.706e3 | 1.560 | 1.35 | NO | 0.21728 | 0.21728 |
| 3 | 10 PCB-12/13 | 25.81 | 25.82 | 5.136e3 | 3.836e3 | 1.560 | 1.41 | NO | 0.47057 | 0.47057 |
| 4 | 9 PCB-11 | 25.44 | 25.44 | 2.659e3 | 1.540e3 | 1.560 | 1.72 | NO | 0.21297 | 0.21297 |
| 5 | 8 PCB-14 | 24.21 | 24.20 | 2.580e3 | 1.701e3 | 1.560 | 1.52 | NO | 0.23059 | 0.23059 |
| 6 | 7 PCB-5/8 | 23.04 | 23.06 | 5.067e3 | 3.561e3 | 1.560 | 1.42 | NO | 0.48129 | 0.48129 |
| 7 | 6 PCB-6 | 22.63 | 22.64 | 2.519e3 | 1.679e3 | 1.560 | 1.50 | NO | 0.22307 | 0.22307 |
| 8 | 5 PCB-7/9 | 21.98 | 21.98 | 4.967e3 | 3.219e3 | 1.560 | 1.54 | NO | 0.45335 | 0.45335 |



Vista Analytical Laboratory VG-11

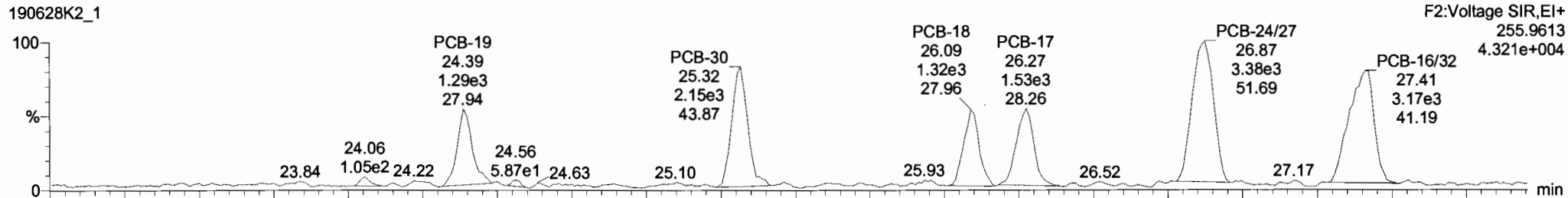
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

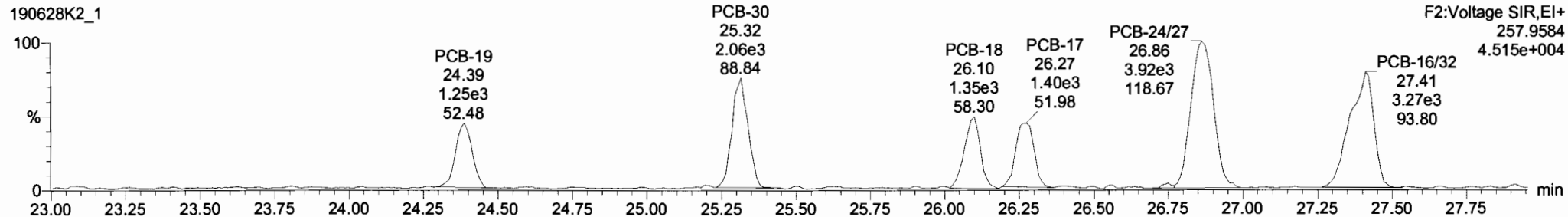
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

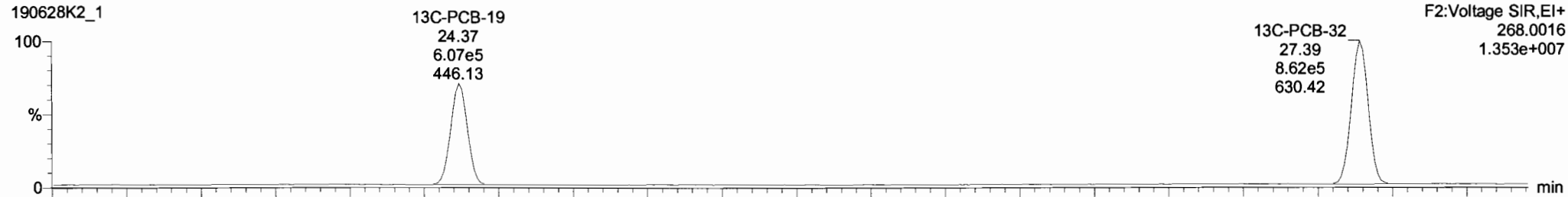
PCB-19



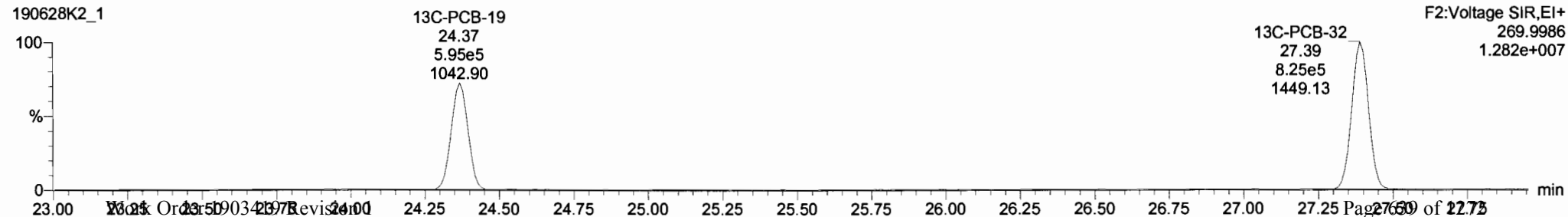
190628K2_1



13C-PCB-19

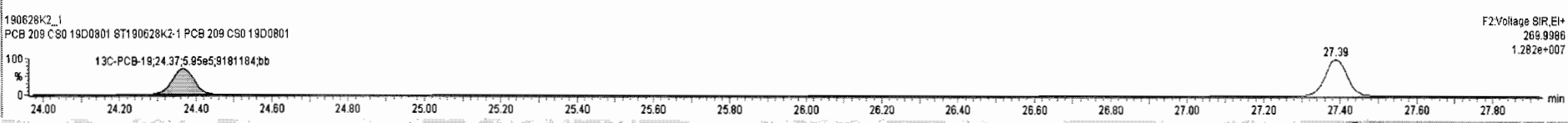
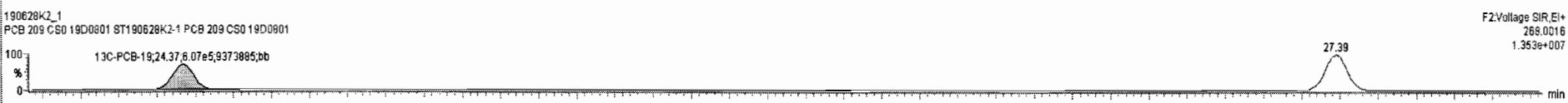
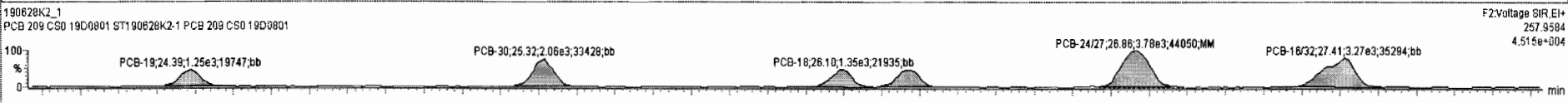
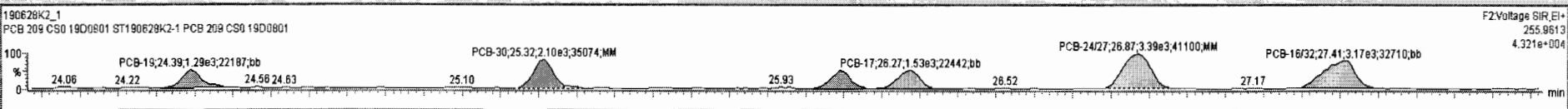


190628K2_1



| # | Name | Resp | RA | n/y | RRF | WtCt | Pred RT | RT | Pred R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|--------|------|--------|--------|
| 219 | 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 13C-PCB-79 | 1.31e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.988 | 0.988 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0586 | 1.000 | 0.00 | | 0.000 | | NO | 3.736 | | 0.197 | 3.736 |
| 228 | Total Tetra-PCBs | | | | 0.9859 | 1.000 | 0.00 | | 0.000 | | NO | 9.552 | | 0.358 | 9.552 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.584 |
| 230 | 4th Function Penta-PCBs | | | | 1.1128 | 1.000 | 0.00 | | 0.000 | | NO | 1.142 | | 0.0808 | 1.142 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | | 0.000 | | NO | 3.261 | | 0.0621 | 3.261 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 17 PCB-16/32 | 27.41 | 27.41 | 3.165e3 | 3.272e3 | 1.040 | 0.97 | NO | 0.48165 | 0.48165 |
| 2 | 16 PCB-24/27 | 26.87 | 26.87 | 3.397e3 | 3.777e3 | 1.040 | 0.90 | NO | 0.46444 | 0.46444 |
| 3 | 15 PCB-17 | 26.27 | 26.27 | 1.532e3 | 1.400e3 | 1.040 | 1.09 | NO | 0.26071 | 0.26071 |
| 4 | 14 PCB-16 | 26.10 | 26.08 | 1.319e3 | 1.347e3 | 1.040 | 0.98 | NO | 0.22804 | 0.22804 |
| 5 | 13 PCB-30 | 25.32 | 25.32 | 2.095e3 | 2.064e3 | 1.040 | 1.02 | NO | 0.23359 | 0.23359 |
| 6 | 12 PCB-19 | 24.40 | 24.39 | 1.287e3 | 1.254e3 | 1.040 | 1.03 | NO | 0.22619 | 0.22619 |

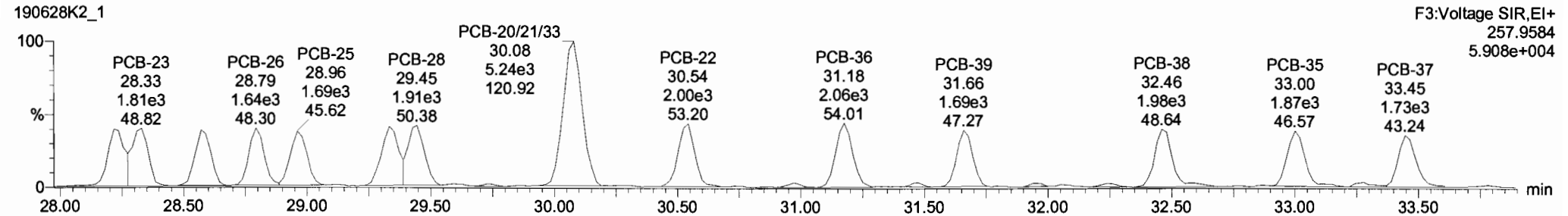
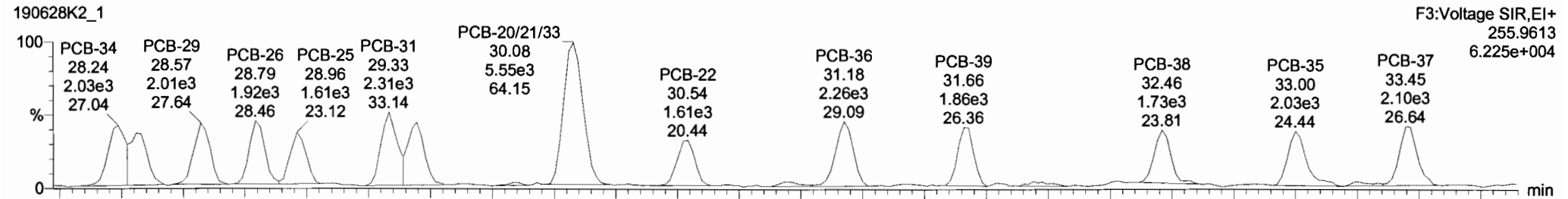


Dataset: Untitled

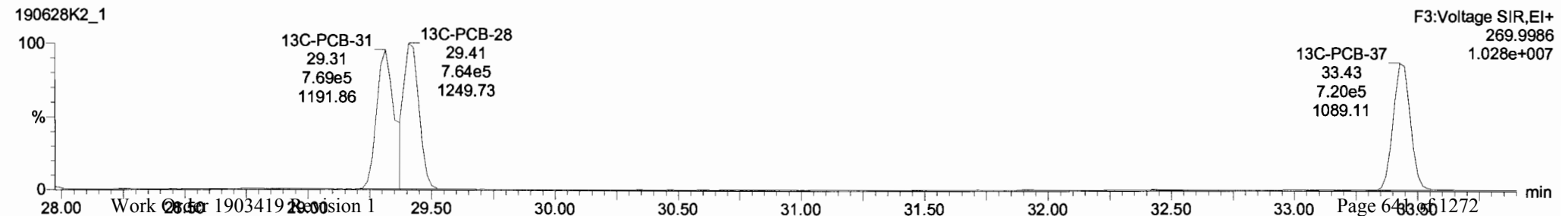
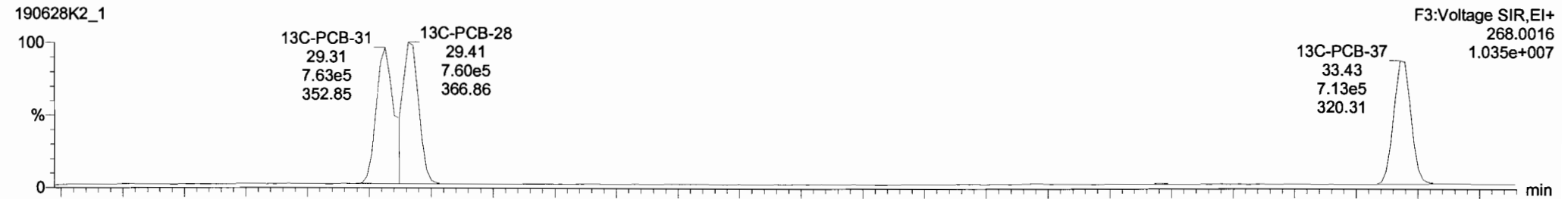
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-34

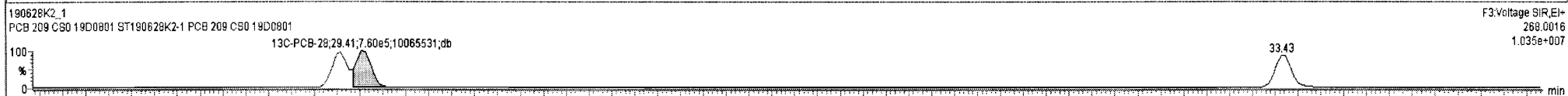
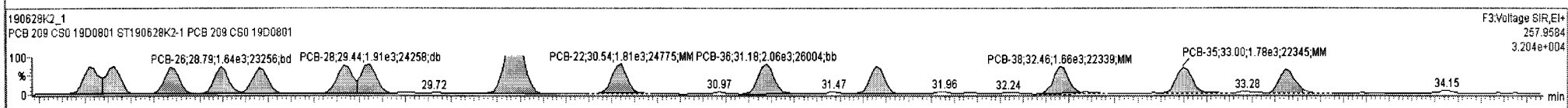
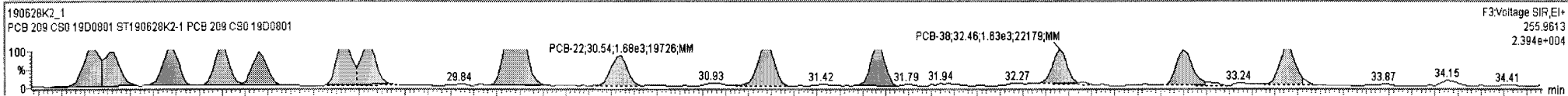


13C-PCB-28



| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.RT | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|---------|-------|----------|--------|------|--------|--------|
| 219 | 219 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6823 | | 0.0281 | 0.6823 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9859 | 1.000 | 0.00 | | 0.000 | | NO | 9.552 | | 0.358 | 9.552 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.594 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1128 | 1.000 | 0.00 | | 0.000 | | NO | 1.142 | | 0.0808 | 1.142 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | | 0.000 | | NO | 3.261 | | 0.0621 | 3.261 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------|---------|-------|---------|---------|----------------|------|-----|---------|---------|
| 1 | 22 PCB-25 | 28.96 | 28.96 | 1.606e3 | 1.690e3 | 1.040 | 0.95 | NO | 0.22115 | 0.22115 |
| 2 | 21 PCB-26 | 28.79 | 28.79 | 1.925e3 | 1.640e3 | 1.040 | 1.17 | NO | 0.23367 | 0.23367 |
| 3 | 20 PCB-29 | 28.57 | 28.57 | 2.009e3 | 1.714e3 | 1.040 | 1.17 | NO | 0.25619 | 0.25619 |
| 4 | 19 PCB-23 | 28.31 | 28.31 | 1.813e3 | 1.812e3 | 1.040 | 1.00 | NO | 0.24419 | 0.24419 |
| 5 | 18 PCB-34 | 28.22 | 28.24 | 2.026e3 | 1.804e3 | 1.040 | 1.12 | NO | 0.25451 | 0.25451 |
| 6 | 31 PCB-37 | 33.46 | 33.45 | 1.941e3 | 1.647e3 | 1.040 | 1.19 | NO | 0.22543 | 0.22543 |
| 7 | 30 PCB-35 | 33.00 | 33.00 | 1.828e3 | 1.781e3 | 1.040 | 1.03 | NO | 0.22240 | 0.22240 |
| 8 | 29 PCB-38 | 32.46 | 32.46 | 1.630e3 | 1.661e3 | 1.040 | 0.98 | NO | 0.20349 | 0.20349 |
| 9 | 28 PCB-39 | 31.65 | 31.66 | 1.860e3 | 1.687e3 | 1.040 | 1.10 | NO | 0.22823 | 0.22823 |



Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

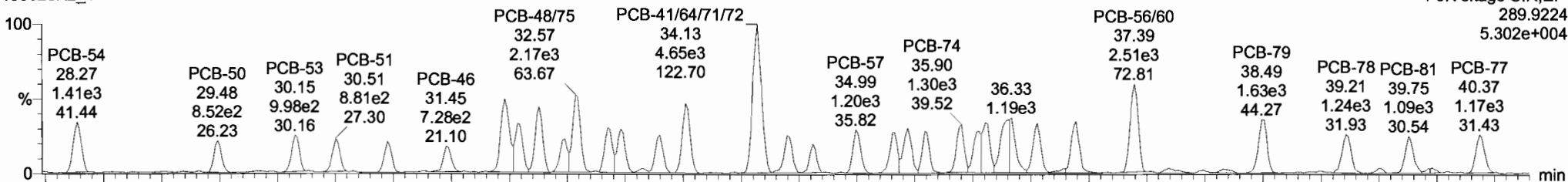
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-54

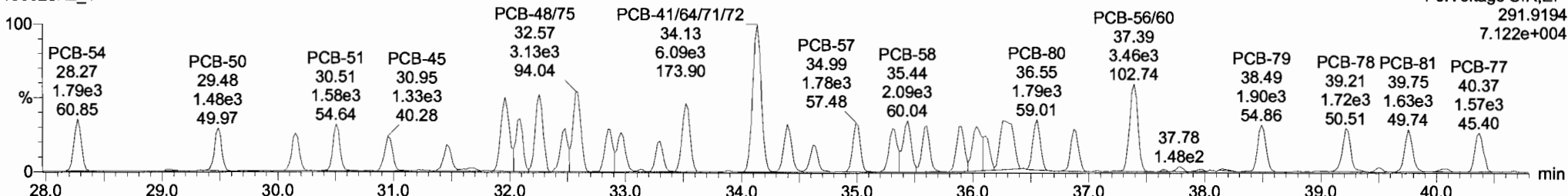
190628K2_1

F3:Voltage SIR,EI+
289.9224
5.302e+004



190628K2_1

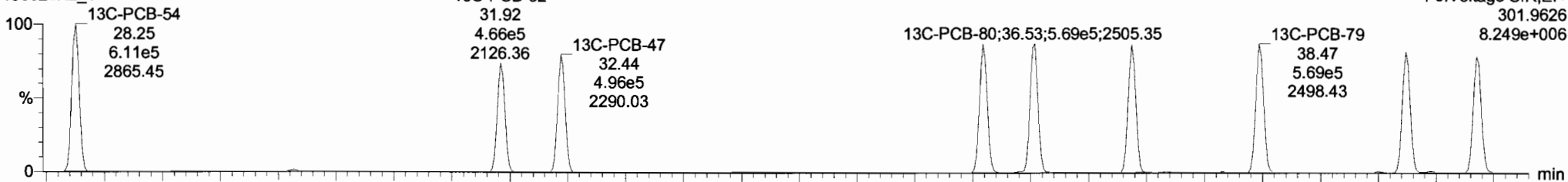
F3:Voltage SIR,EI+
291.9194
7.122e+004



13C-PCB-54

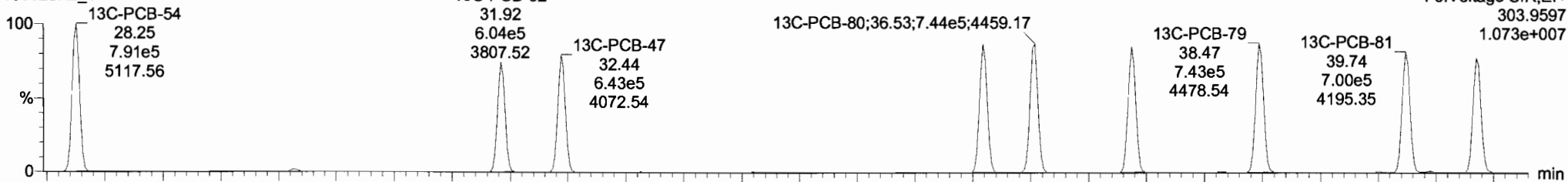
190628K2_1

F3:Voltage SIR,EI+
301.9626
8.249e+006



190628K2_1

F3:Voltage SIR,EI+
303.9597
1.073e+007

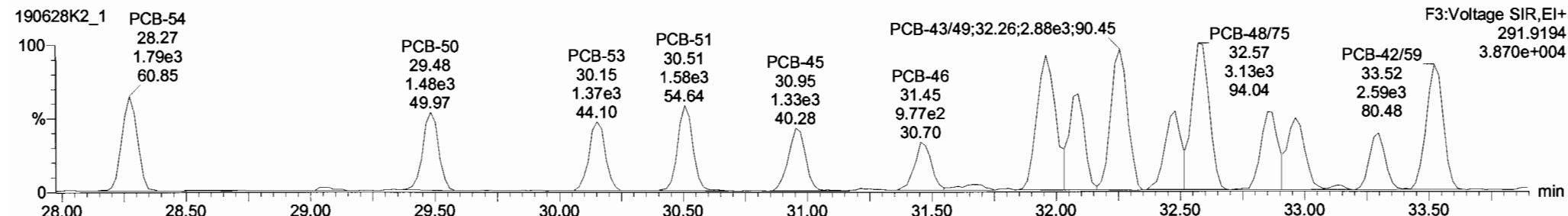
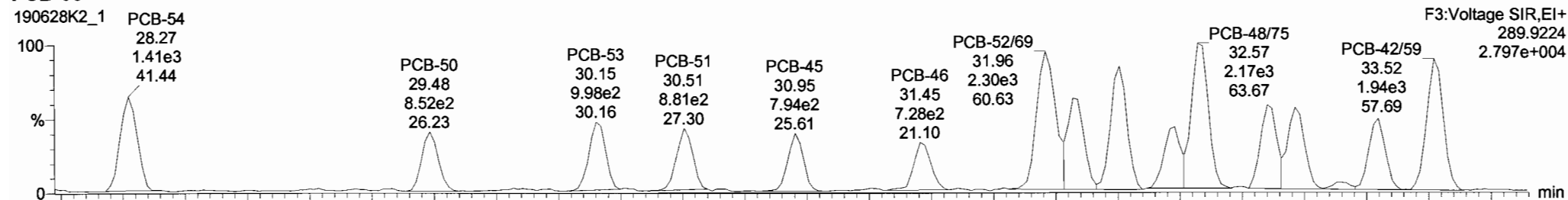


Dataset: Untitled

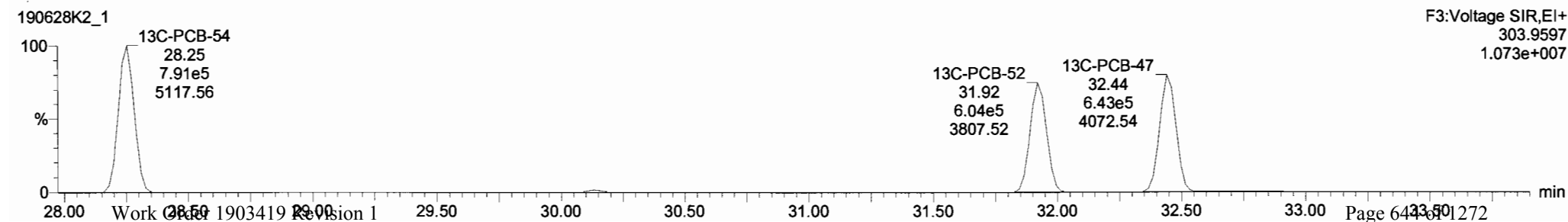
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-50

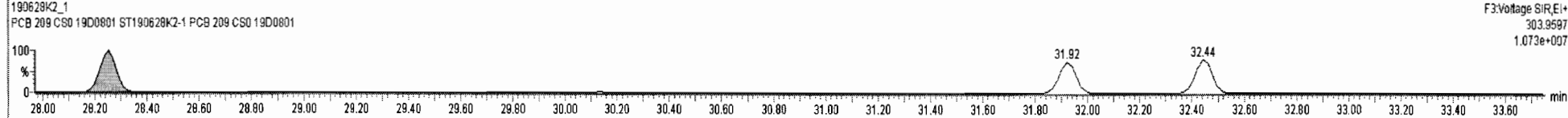
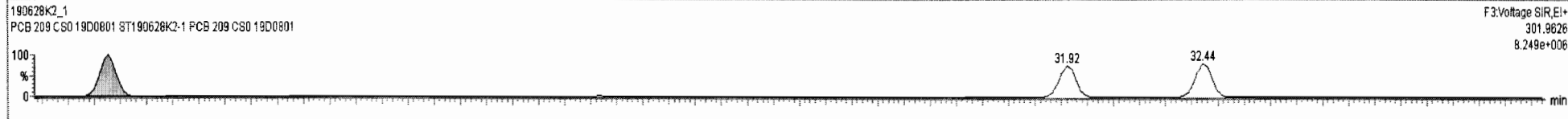
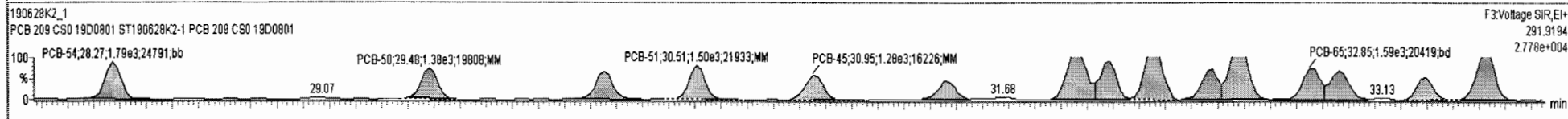
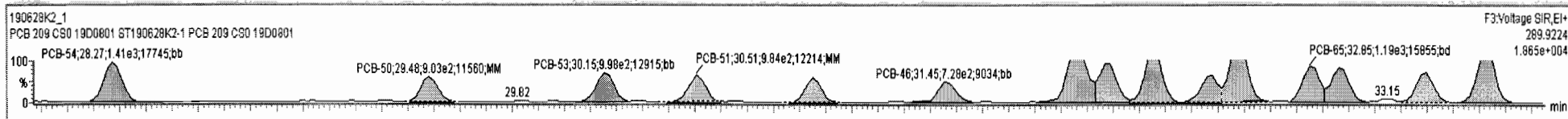


13C-PCB-52



| # | Name | Resp | RA | n/Y | RRF | wVol | Pred.RT | RT | Pred.R... | RRT | RRT Fal | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|-----------|-------|---------|--------|------|--------|--------|
| 219 | 219 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.988 | 0.988 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | | | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | 0.000 | | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9659 | 1.000 | 0.00 | 0.000 | | | NO | 9.552 | | 0.358 | 9.552 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | 0.000 | | | NO | 9.374 | | 0.418 | 9.594 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1128 | 1.000 | 0.00 | 0.000 | | | NO | 1.142 | | 0.0808 | 1.142 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | 0.000 | | | NO | 3.261 | | 0.0621 | 3.261 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | 0.000 | | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | 0.000 | | | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/Y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 45 PCB-44 | 33.28 | 33.30 | 9.878e2 | 1.128e3 | 0.770 | 0.88 | NO | 0.24417 | 0.24417 |
| 2 | 44 PCB-62 | 32.96 | 32.96 | 1.240e3 | 1.581e3 | 0.770 | 0.78 | NO | 0.23258 | 0.23258 |
| 3 | 43 PCB-65 | 32.85 | 32.85 | 1.188e3 | 1.587e3 | 0.770 | 0.75 | NO | 0.21980 | 0.21980 |
| 4 | 42 PCB-48/75 | 32.57 | 32.57 | 2.170e3 | 3.129e3 | 0.770 | 0.69 | NO | 0.45422 | 0.45422 |
| 5 | 41 PCB-47 | 32.45 | 32.48 | 1.005e3 | 1.507e3 | 0.770 | 0.67 | NO | 0.25389 | 0.25389 |
| 6 | 40 PCB-43/49 | 32.26 | 32.26 | 1.878e3 | 2.821e3 | 0.770 | 0.67 | NO | 0.46722 | 0.46722 |
| 7 | 39 PCB-73 | 32.07 | 32.07 | 1.341e3 | 1.830e3 | 0.770 | 0.73 | NO | 0.22992 | 0.22992 |
| 8 | 38 PCB-52/69 | 31.96 | 31.96 | 2.295e3 | 3.051e3 | 0.770 | 0.75 | NO | 0.45772 | 0.45772 |
| 9 | 37 PCB-46 | 31.45 | 31.45 | 7.278e2 | 9.773e2 | 0.770 | 0.74 | NO | 0.21151 | 0.21151 |

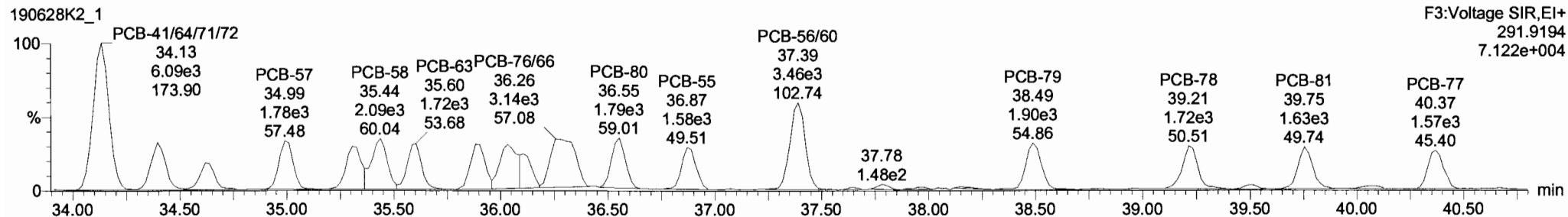
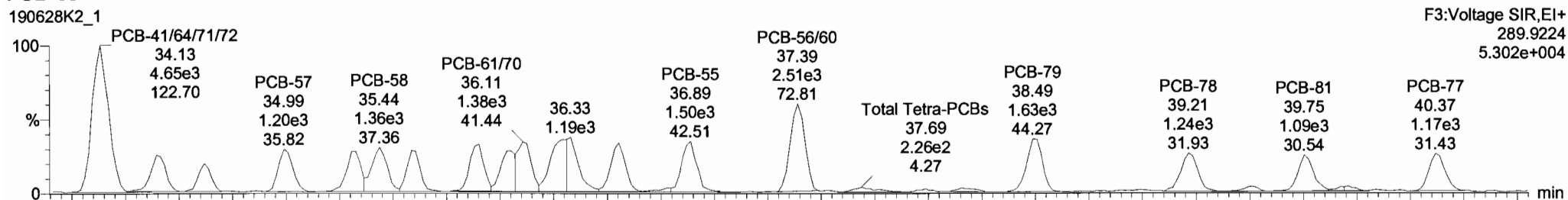


Dataset: Untitled

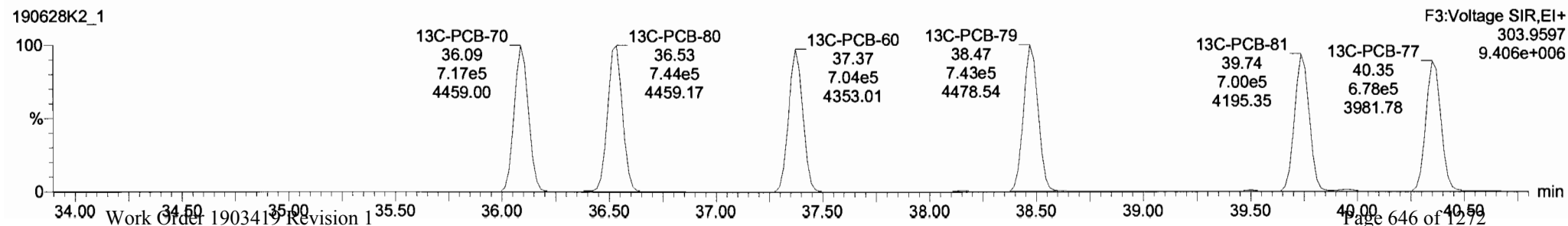
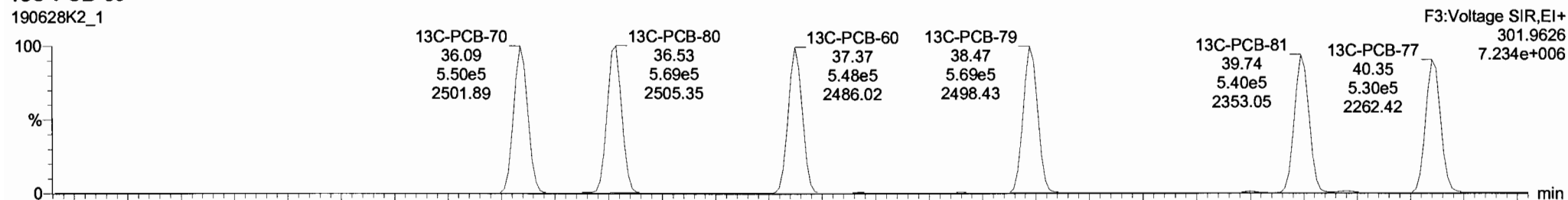
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-68



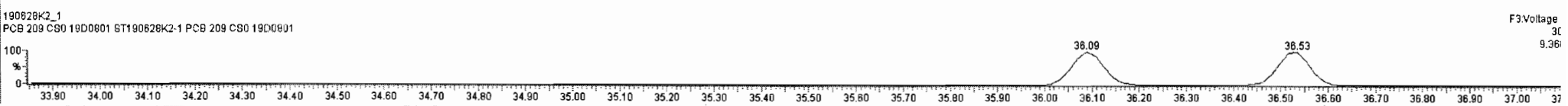
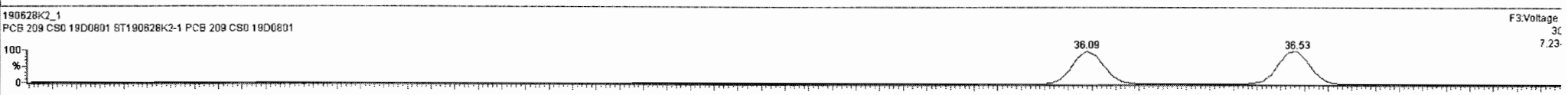
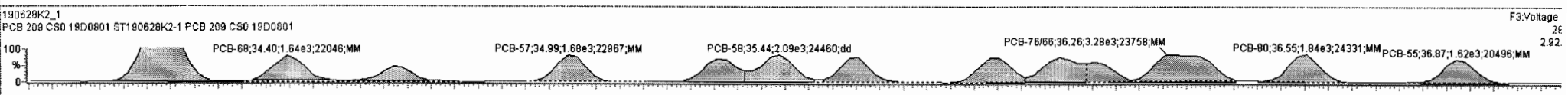
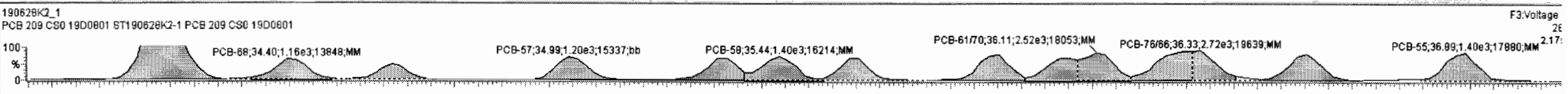
13C-PCB-60



190628K2_1 - ST190628K2-1 FCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

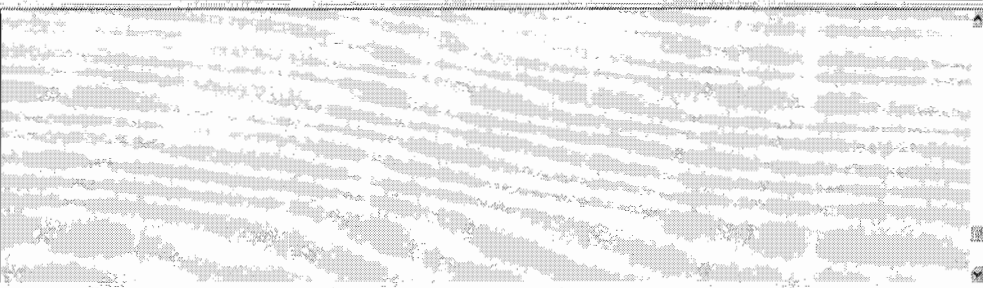
| # | Name | Resp | RA | n/y | RRF | wtAvd | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|--------|------|--------|--------|
| 219 | 219 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | | 0.000 | | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.594 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1128 | 1.000 | 0.00 | | 0.000 | | NO | 1.142 | | 0.0808 | 1.142 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | | 0.000 | | NO | 3.261 | | 0.0621 | 3.261 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 45 PCB-44 | 33.28 | 33.30 | 9.875e2 | 1.128e3 | 0.770 | 0.88 | NO | 0.24417 | 0.24417 |
| 2 | 44 PCB-62 | 32.96 | 32.96 | 1.240e3 | 1.581e3 | 0.770 | 0.78 | NO | 0.23258 | 0.23258 |
| 3 | 43 PCB-65 | 32.85 | 32.85 | 1.188e3 | 1.587e3 | 0.770 | 0.75 | NO | 0.21980 | 0.21980 |
| 4 | 42 PCB-48/75 | 32.57 | 32.57 | 2.170e3 | 3.129e3 | 0.770 | 0.69 | NO | 0.45422 | 0.45422 |
| 5 | 41 PCB-47 | 32.45 | 32.48 | 1.005e3 | 1.507e3 | 0.770 | 0.67 | NO | 0.25369 | 0.25369 |
| 6 | 40 PCB-43/49 | 32.26 | 32.26 | 1.878e3 | 2.821e3 | 0.770 | 0.67 | NO | 0.46722 | 0.46722 |
| 7 | 39 PCB-73 | 32.07 | 32.07 | 1.341e3 | 1.630e3 | 0.770 | 0.73 | NO | 0.22992 | 0.22992 |
| 8 | 38 PCB-52/69 | 31.96 | 31.96 | 2.295e3 | 3.051e3 | 0.770 | 0.75 | NO | 0.45772 | 0.45772 |
| 9 | 37 PCB-46 | 31.45 | 31.45 | 7.278e2 | 9.773e2 | 0.770 | 0.74 | NO | 0.21151 | 0.21151 |

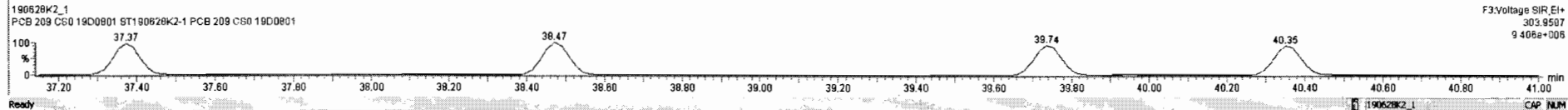
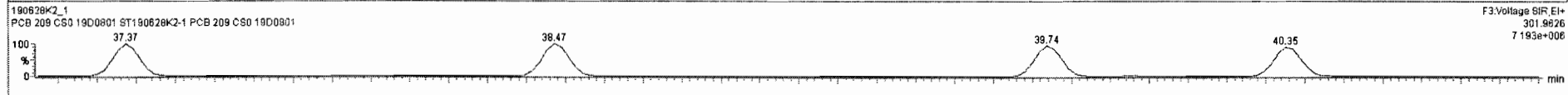
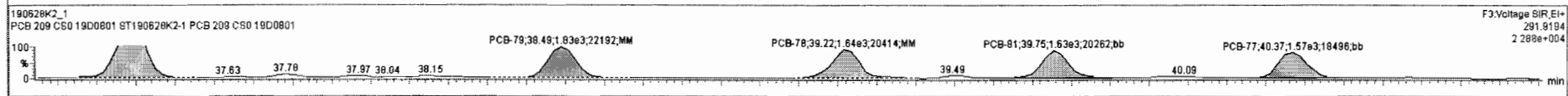
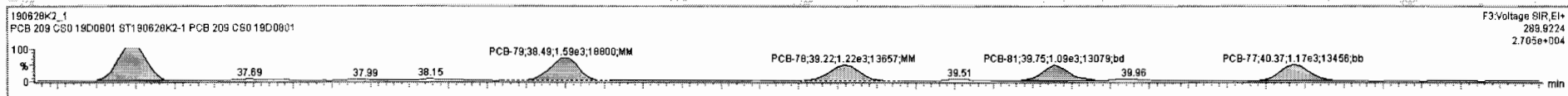
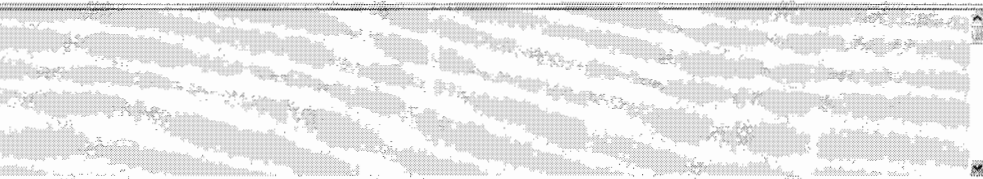


190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

| # | Name | Resp | RA | m/y | RRF | wf/vol | Pred.RT | RT | Pred.RT | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|---------|-------|----------|--------|------|--------|--------|
| 219 | 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 13C-PCB-79 | 1.31e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | Total Tetra-PCBs | | | | 0.9961 | 1.000 | 0.00 | | 0.000 | | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.374 |
| 230 | 4th Function Penta-PCBs | | | | 1.1128 | 1.000 | 0.00 | | 0.000 | | NO | 1.142 | | 0.0808 | 1.142 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | | 0.000 | | NO | 3.261 | | 0.0621 | 3.261 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |



| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | m/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 45 PCB-44 | 33.26 | 33.30 | 9.878e2 | 1.128e3 | 0.770 | 0.89 | NO | 0.24417 | 0.24417 |
| 2 | 44 PCB-82 | 32.96 | 32.96 | 1.240e3 | 1.581e3 | 0.770 | 0.78 | NO | 0.23258 | 0.23258 |
| 3 | 43 PCB-85 | 32.85 | 32.85 | 1.188e3 | 1.587e3 | 0.770 | 0.75 | NO | 0.21980 | 0.21980 |
| 4 | 42 PCB-48/75 | 32.57 | 32.57 | 2.170e3 | 3.129e3 | 0.770 | 0.69 | NO | 0.45422 | 0.45422 |
| 5 | 41 PCB-47 | 32.45 | 32.48 | 1.005e3 | 1.507e3 | 0.770 | 0.67 | NO | 0.25389 | 0.25389 |
| 6 | 40 PCB-43/49 | 32.26 | 32.26 | 1.878e3 | 2.821e3 | 0.770 | 0.67 | NO | 0.46722 | 0.46722 |
| 7 | 39 PCB-73 | 32.07 | 32.07 | 1.341e3 | 1.830e3 | 0.770 | 0.73 | NO | 0.22992 | 0.22992 |
| 8 | 38 PCB-52/69 | 31.96 | 31.96 | 2.295e3 | 3.051e3 | 0.770 | 0.75 | NO | 0.45772 | 0.45772 |
| 9 | 37 PCB-46 | 31.45 | 31.45 | 7.278e2 | 9.773e2 | 0.770 | 0.74 | NO | 0.21151 | 0.21151 |



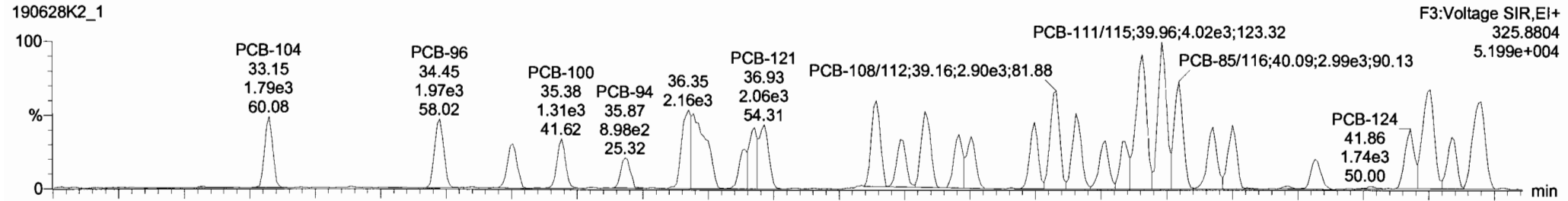
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

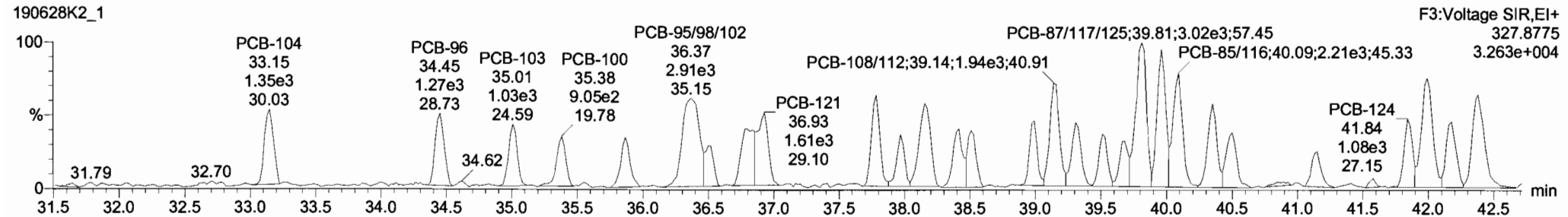
Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-104

190628K2_1

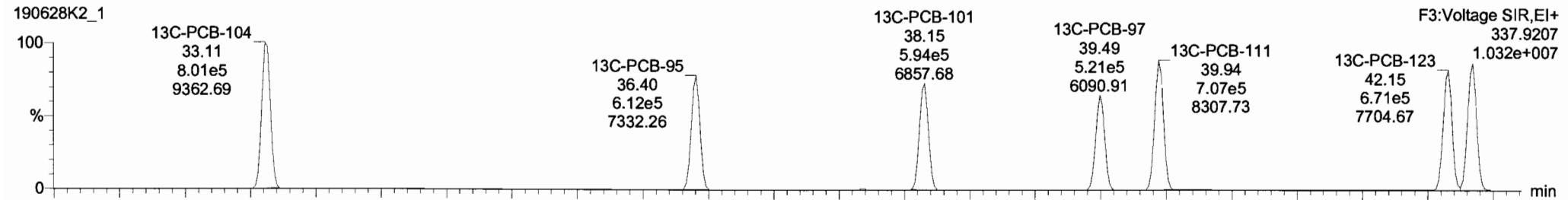


190628K2_1

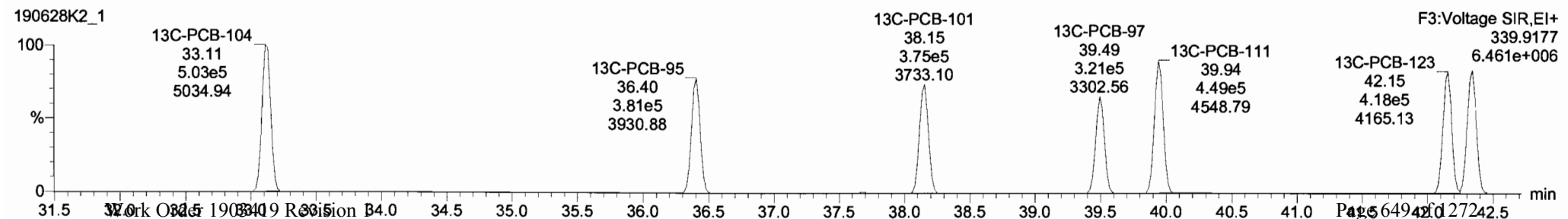


13C-PCB-104

190628K2_1



190628K2_1

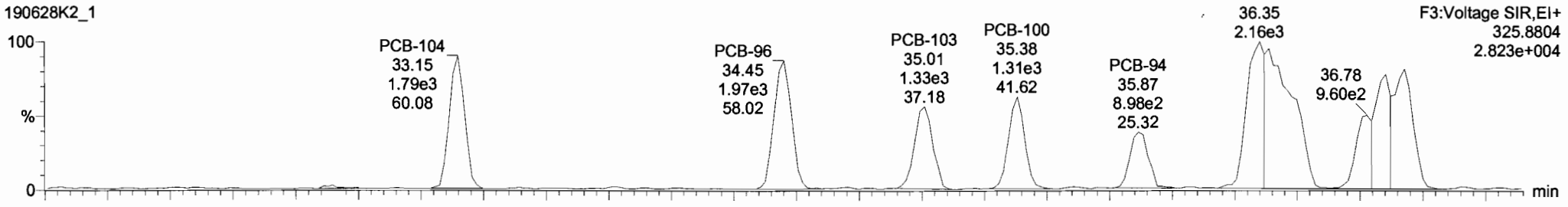


Dataset: Untitled

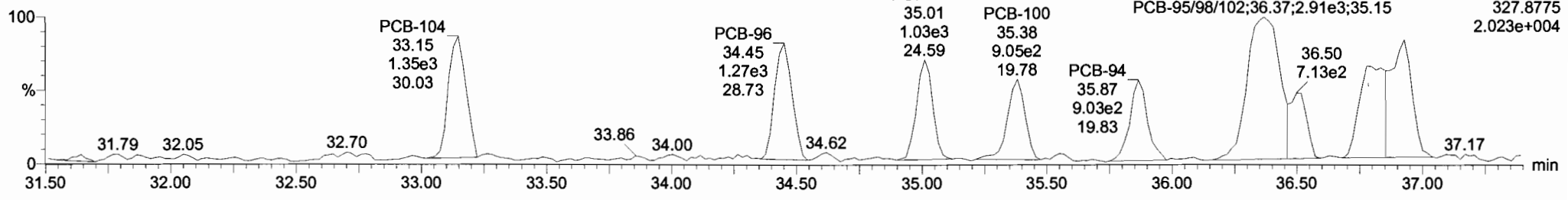
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

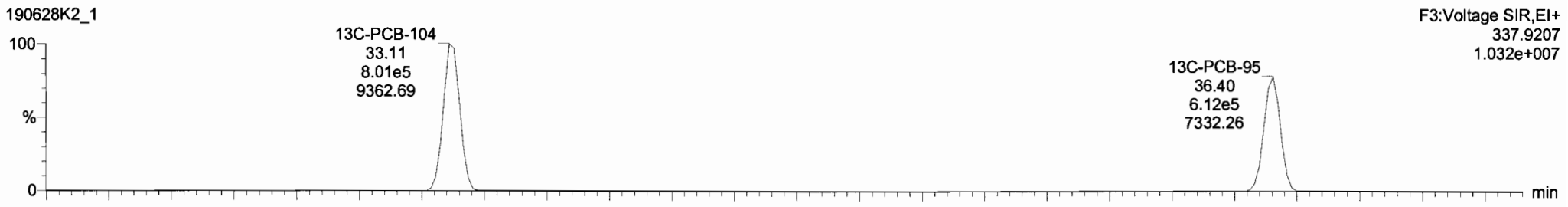
PCB-96



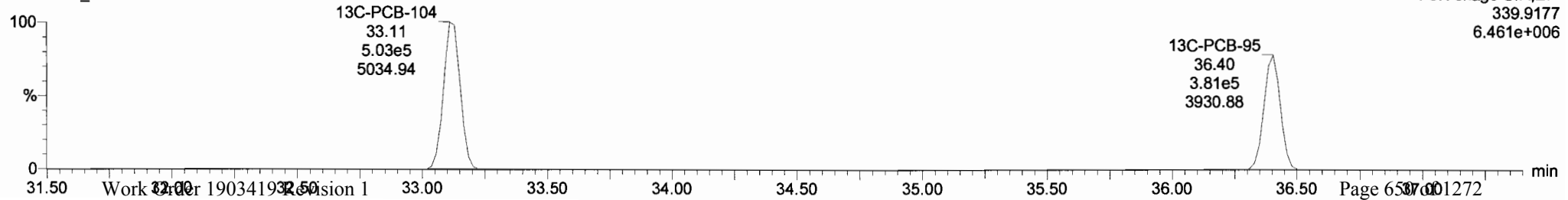
190628K2_1



13C-PCB-95

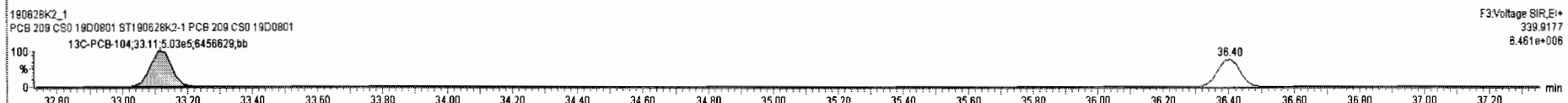
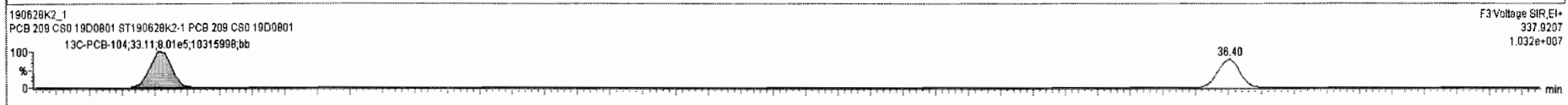
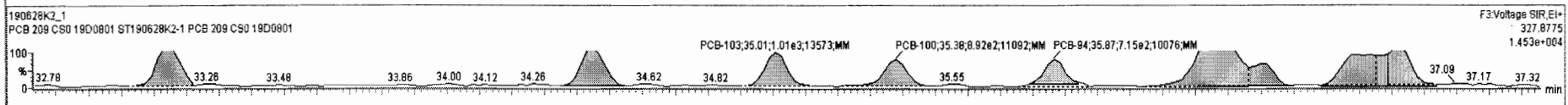
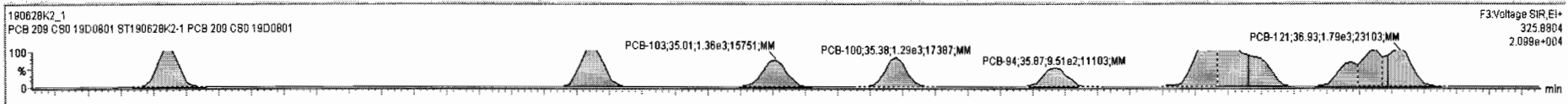


190628K2_1



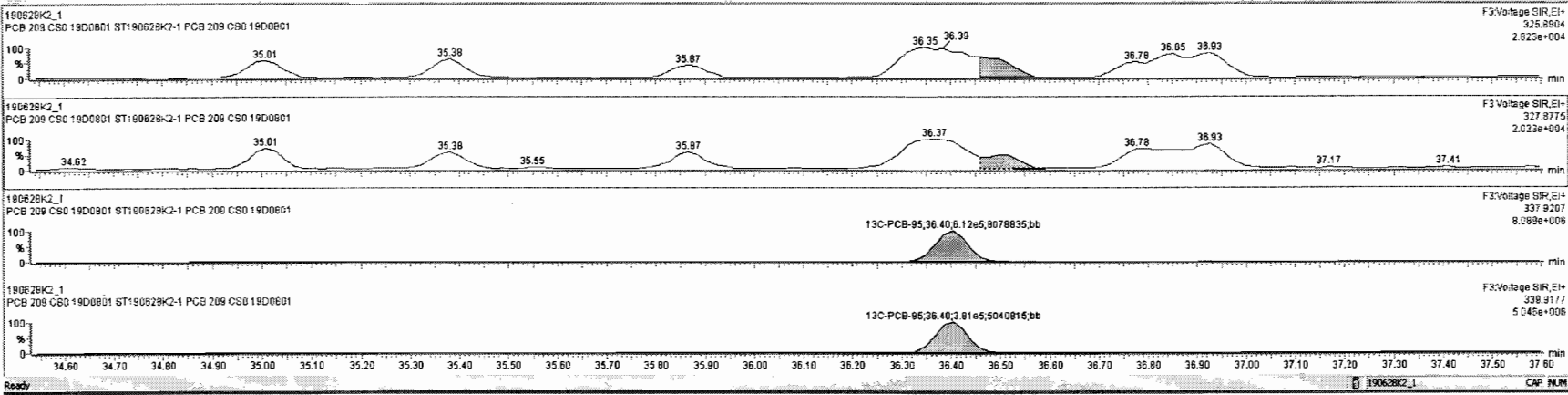
| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.R | RRT | RRT/Fat | Conc | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|---------|--------|------|--------|--------|
| 219 | 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.80 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0690 | |
| 221 | 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.8823 | | 0.0291 | 0.6823 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.594 |
| 230 | 4th Function Penta-PCBs | | | | 1.1128 | 1.000 | 0.00 | | 0.000 | | NO | 1.142 | | 0.0808 | 1.142 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | | 0.000 | | NO | 3.261 | | 0.0621 | 3.261 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 68 PCB-95/68/102 | 36.38 | 36.35 | 4.283e3 | 2.951e3 | 1.560 | 1.45 | NO | 0.71789 | 0.71789 |
| 2 | 68 PCB-94 | 35.89 | 35.87 | 9.508e2 | 7.155e2 | 1.560 | 1.33 | NO | 0.21694 | 0.21694 |
| 3 | 67 PCB-100 | 35.38 | 35.38 | 1.290e3 | 8.921e2 | 1.560 | 1.45 | NO | 0.21527 | 0.21527 |
| 4 | 66 PCB-103 | 35.01 | 35.01 | 1.362e3 | 1.006e3 | 1.560 | 1.35 | NO | 0.23458 | 0.23458 |
| 5 | 65 PCB-96 | 34.45 | 34.45 | 1.871e3 | 1.274e3 | 1.560 | 1.55 | NO | 0.25002 | 0.25002 |
| 6 | 64 PCB-104 | 33.13 | 33.15 | 1.807e3 | 1.345e3 | 1.560 | 1.34 | NO | 0.24314 | 0.24314 |
| 7 | 84 PCB-111/115 | 39.96 | 39.96 | 4.025e3 | 2.288e3 | 1.560 | 1.76 | NO | 0.46814 | 0.46814 |
| 8 | 83 PCB-87/117/125 | 39.79 | 39.81 | 4.456e3 | 3.021e3 | 1.560 | 1.48 | NO | 0.68616 | 0.68616 |
| 9 | 82 PCB-86 | 39.66 | 39.66 | 1.248e3 | 7.727e2 | 1.560 | 1.61 | NO | 0.24072 | 0.24072 |



| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|----|---------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|--------|------|--------|--------|
| 65 | PCB-96 | 3.25e3 | 1.55 | NO | 0.9957 | 1.000 | 34.45 | 34.45 | 1.041 | 1.040 | NO | 0.2500 | 100 | 0.0117 | 0.2500 |
| 66 | PCB-103 | 2.37e3 | 1.35 | NO | 0.7743 | 1.000 | 35.01 | 35.01 | 1.057 | 1.057 | NO | 0.2346 | 93.8 | 0.0150 | 0.2346 |
| 67 | PCB-100 | 2.18e3 | 1.45 | NO | 0.7776 | 1.000 | 35.38 | 35.38 | 1.069 | 1.069 | NO | 0.2153 | 86.1 | 0.0145 | 0.2153 |
| 68 | PCB-94 | 1.67e3 | 1.33 | NO | 0.7734 | 1.000 | 35.89 | 35.87 | 0.986 | 0.986 | NO | 0.2169 | 86.8 | 0.0192 | 0.2169 |
| 69 | PCB-95/98/102 | 7.23e3 | 1.45 | NO | 1.0147 | 1.000 | 36.38 | 36.35 | 0.999 | 0.999 | NO | 0.7179 | 95.7 | 0.0147 | 0.7179 |
| 70 | PCB-93 | 2.06e3 | 1.67 | NO | 0.9410 | 1.000 | 36.51 | 36.46 | 1.029 | 1.022 | NO | 0.2463 | 88.5 | 0.0177 | 0.2463 |
| 71 | PCB-88/61 | 4.66e3 | 1.43 | NO | 0.8696 | 1.000 | 36.83 | 36.85 | 1.012 | 1.012 | NO | 0.5275 | 105 | 0.0167 | 0.5275 |
| 72 | PCB-121 | 3.03e3 | 1.45 | NO | 1.3860 | 1.000 | 36.95 | 36.93 | 1.015 | 1.014 | NO | 0.2198 | 87.9 | 0.0107 | 0.2198 |
| 73 | PCB-84/62 | 3.92e3 | 1.61 | NO | 0.8785 | 1.000 | 37.78 | 37.78 | 0.990 | 0.990 | NO | 0.4604 | 92.1 | 0.0180 | 0.4604 |
| 74 | PCB-89 | 2.23e3 | 1.72 | NO | 0.9594 | 1.000 | 37.99 | 37.97 | 0.996 | 0.995 | NO | 0.2398 | 95.9 | 0.0165 | 0.2398 |
| 75 | PCB-90/101 | 4.07e3 | 1.41 | NO | 0.9439 | 1.000 | 38.15 | 38.15 | 1.000 | 1.000 | NO | 0.4455 | 89.1 | 0.0188 | 0.4455 |
| 76 | PCB-113 | 2.73e3 | 1.41 | NO | 1.2304 | 1.000 | 38.43 | 38.42 | 1.007 | 1.007 | NO | 0.2290 | 91.6 | 0.0129 | 0.2290 |
| 77 | PCB-99 | 2.91e3 | 1.46 | NO | 1.1188 | 1.000 | 38.53 | 38.51 | 1.010 | 1.009 | NO | 0.2132 | 85.3 | 0.0141 | 0.2132 |
| 78 | PCB-119 | 2.77e3 | 1.75 | NO | 1.4712 | 1.000 | 38.98 | 38.99 | 0.987 | 0.987 | NO | 0.2238 | 89.5 | 0.0122 | 0.2238 |
| 79 | PCB-108/112 | 4.83e3 | 1.49 | NO | 1.2493 | 1.000 | 39.15 | 39.15 | 0.991 | 0.992 | NO | 0.4394 | 91.9 | 0.0144 | 0.4394 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pres) | RA | n/y | EMPC | Conc. |
|---|------|---------|----|---------|---------|-----------------|----|-----|------|-------|
| 1 | | | | | | | | | | |

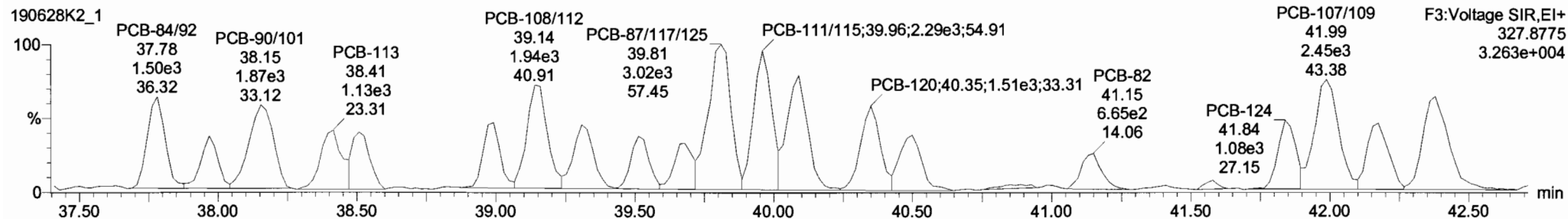
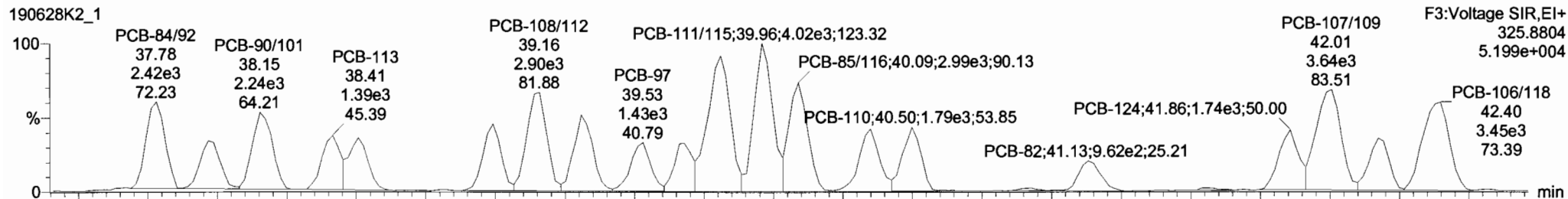


Dataset: Untitled

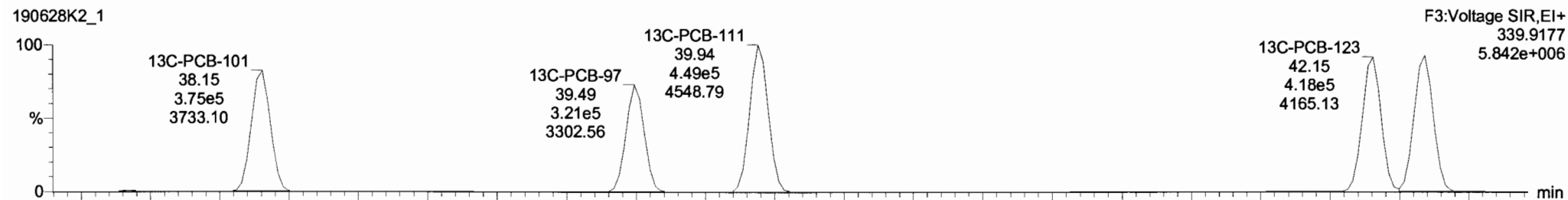
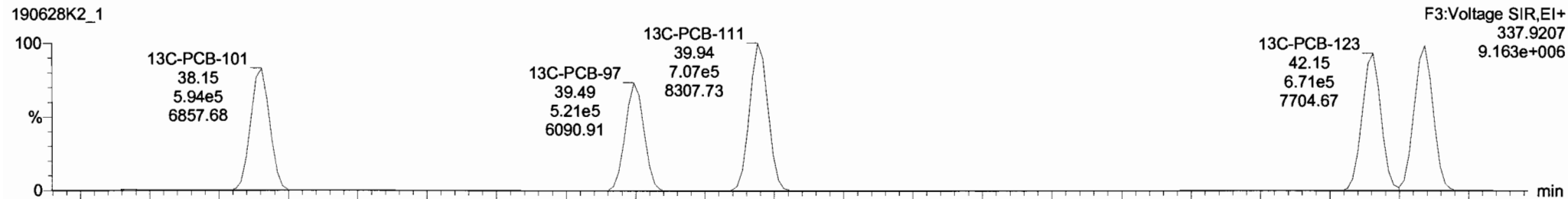
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-119

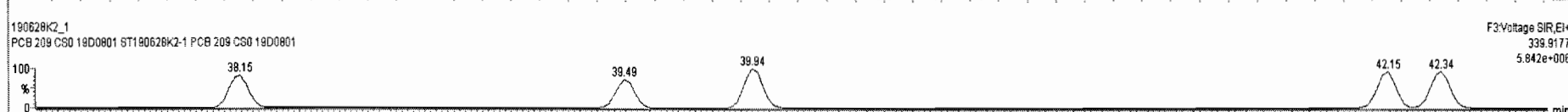
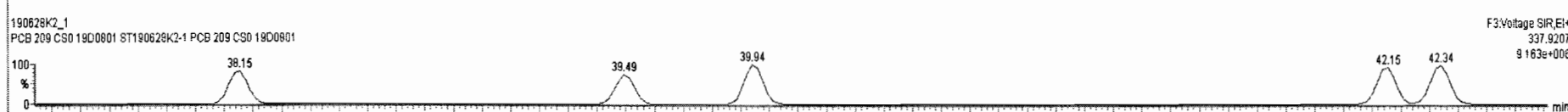
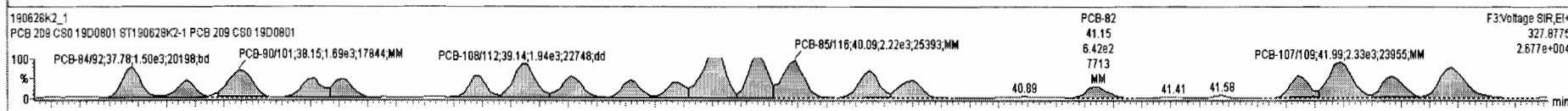
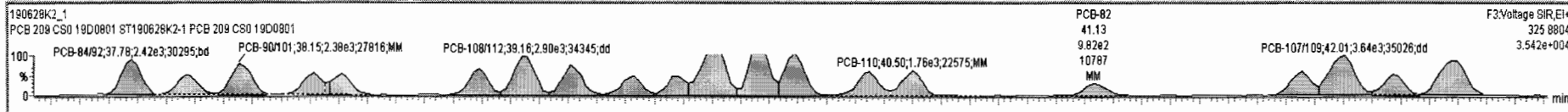


13C-PCB-111



| # | Name | Resp | RA | n/y | RF | wt/mol | Pred RT | RT | Pred R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|--------|------|--------|--------|
| 219 | 219 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0690 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.59 | 46.59 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.988 | 0.988 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0899 | 1.895 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 9.554 | | 0.358 | 9.554 |
| 228 | 228 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.584 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1126 | 1.000 | 0.00 | | 0.000 | | NO | 1.142 | | 0.0808 | 1.142 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.00 | | 0.000 | | NO | 3.261 | | 0.0621 | 3.261 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 69 PCB-95/98/102 | 36.36 | 36.35 | 4.283e3 | 2.951e3 | 1.560 | 1.45 | NO | 0.71789 | 0.71789 |
| 2 | 68 PCB-94 | 35.86 | 35.87 | 9.508e2 | 7.155e2 | 1.560 | 1.33 | NO | 0.21894 | 0.21894 |
| 3 | 67 PCB-100 | 35.38 | 35.38 | 1.290e3 | 8.921e2 | 1.560 | 1.45 | NO | 0.21527 | 0.21527 |
| 4 | 66 PCB-103 | 35.01 | 35.01 | 1.362e3 | 1.006e3 | 1.560 | 1.35 | NO | 0.23458 | 0.23458 |
| 5 | 65 PCB-96 | 34.45 | 34.45 | 1.971e3 | 1.274e3 | 1.560 | 1.55 | NO | 0.25002 | 0.25002 |
| 6 | 64 PCB-104 | 33.13 | 33.15 | 1.807e3 | 1.345e3 | 1.560 | 1.34 | NO | 0.24314 | 0.24314 |
| 7 | 84 PCB-111/115 | 39.96 | 39.96 | 4.025e3 | 2.288e3 | 1.560 | 1.76 | NO | 0.46814 | 0.46814 |
| 8 | 83 PCB-87/117/125 | 39.79 | 39.81 | 4.456e3 | 3.021e3 | 1.560 | 1.48 | NO | 0.66616 | 0.66616 |
| 9 | 82 PCB-86 | 39.66 | 39.68 | 1.246e3 | 7.727e2 | 1.560 | 1.61 | NO | 0.24072 | 0.24072 |

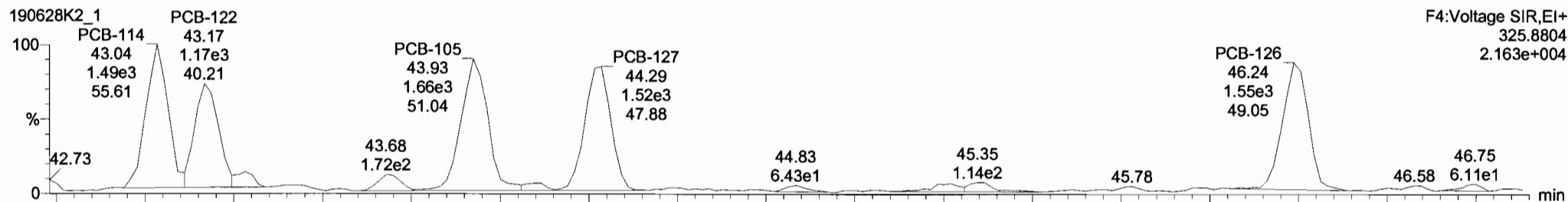


Dataset: Untitled

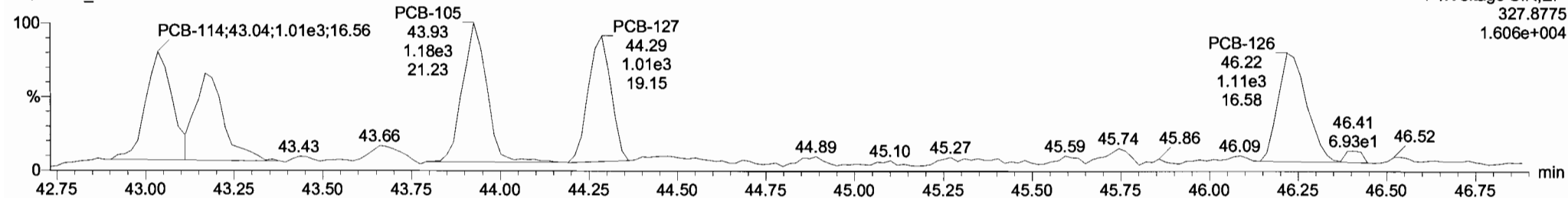
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

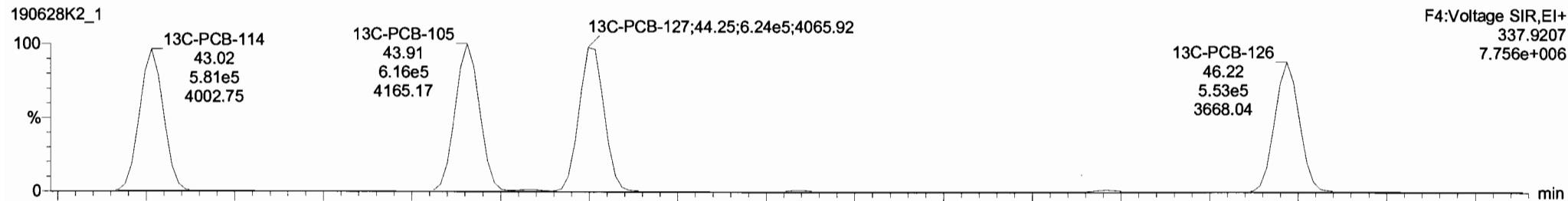
PCB-114



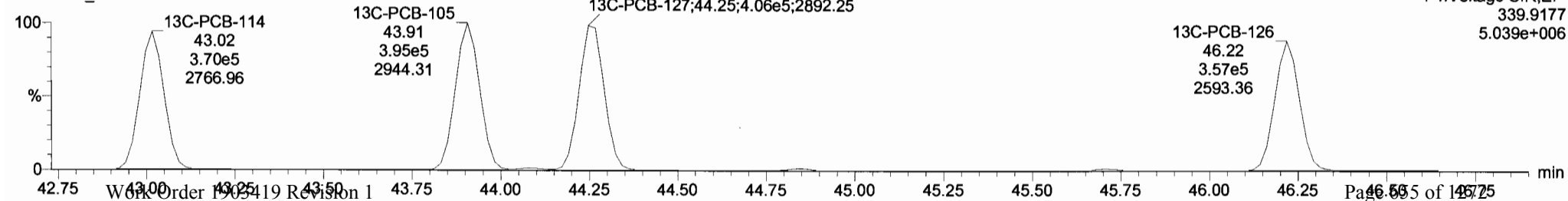
190628K2_1



13C-PCB-114



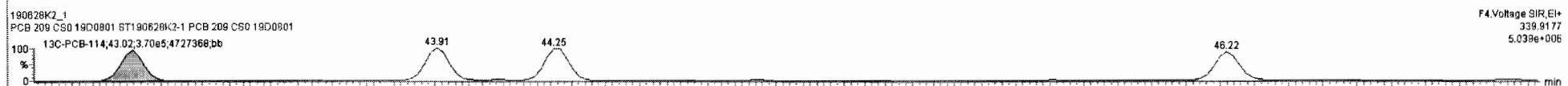
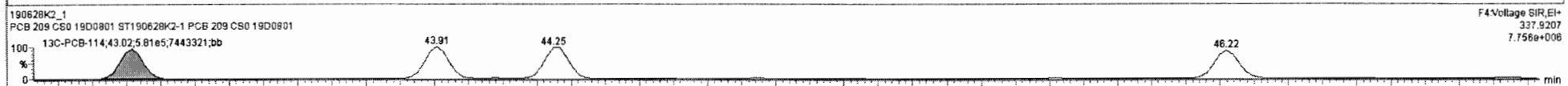
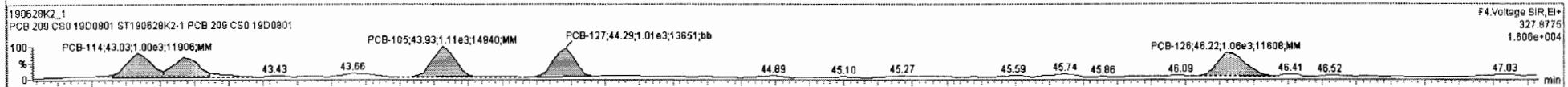
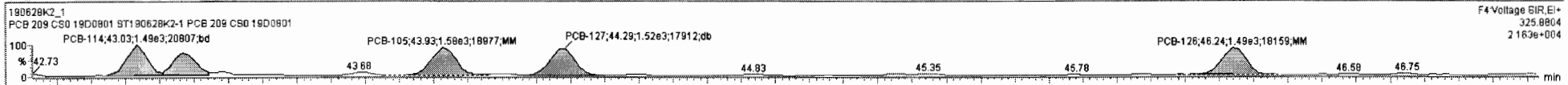
190628K2_1



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

| # | Name | Resp | RA | n/y | RRF | wt/Vol | Pred.RT | RT | Pred.R... | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|-----------|-------|----------|--------|--------|--------|------|
| 219 | 219 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.968 | 0.968 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9748 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 0.6823 | 0.0291 | 0.6823 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 2.753 | 0.170 | 2.753 | |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 1.895 | 0.0699 | 1.895 | |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 3.738 | 0.197 | 3.738 | |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 9.554 | 0.358 | 9.554 | |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 9.374 | 0.418 | 9.594 | |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 1.134 | 0.0609 | 1.134 | |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7740 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 3.261 | 0.0621 | 3.261 | |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 6.404 | 0.202 | 6.404 | |
| 233 | 233 Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | NO | 5.554 | 0.637 | 5.554 | |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1:2 Ratio (Pred) | RA | n/y | EMPC | Conc |
|-----|---------|---------|-------|---------|---------|------------------|------|-----|---------|---------|
| 97 | PCB-126 | 46.24 | 46.24 | 1.489e3 | 1.056e3 | 1.580 | 1.41 | NO | 0.23081 | 0.23081 |
| 98 | PCB-127 | 44.27 | 44.29 | 1.524e3 | 1.010e3 | 1.580 | 1.51 | NO | 0.22193 | 0.22193 |
| 99 | PCB-105 | 43.82 | 43.93 | 1.579e3 | 1.111e3 | 1.590 | 1.42 | NO | 0.24184 | 0.24184 |
| 100 | PCB-122 | 43.17 | 43.17 | 1.167e3 | 8.175e2 | 1.580 | 1.43 | NO | 0.21463 | 0.21463 |
| 101 | PCB-114 | 43.04 | 43.03 | 1.487e3 | 9.998e2 | 1.580 | 1.49 | NO | 0.22512 | 0.22512 |

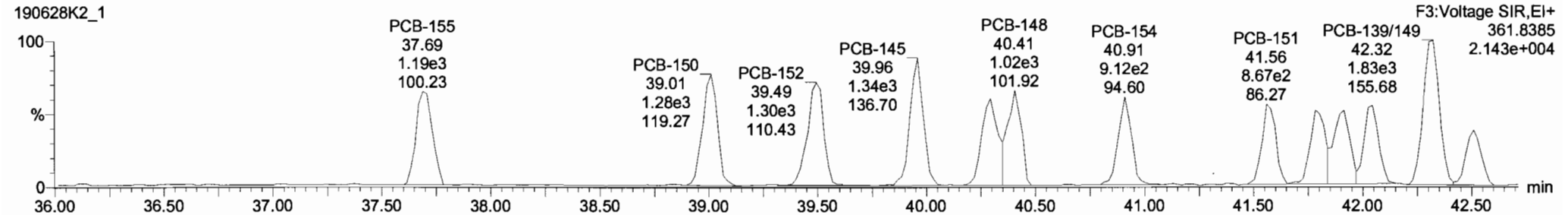
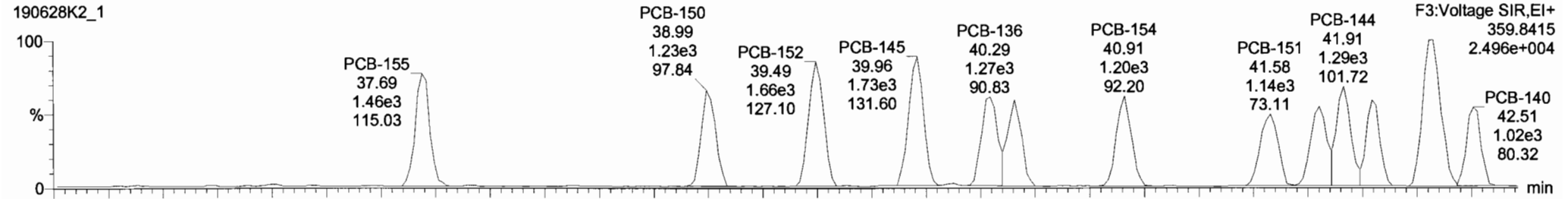


Dataset: Untitled

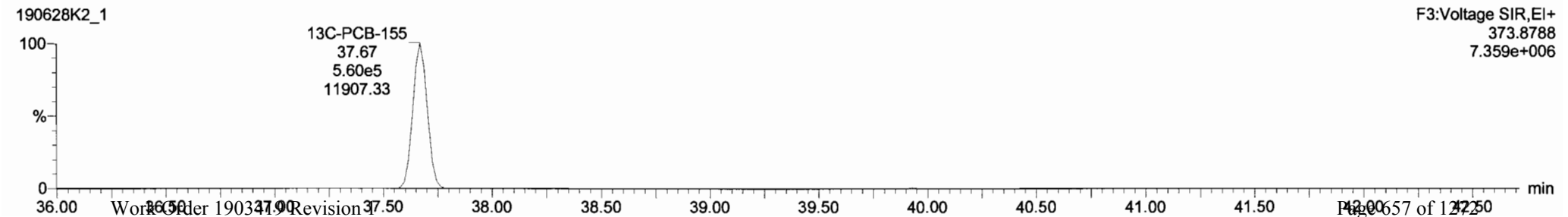
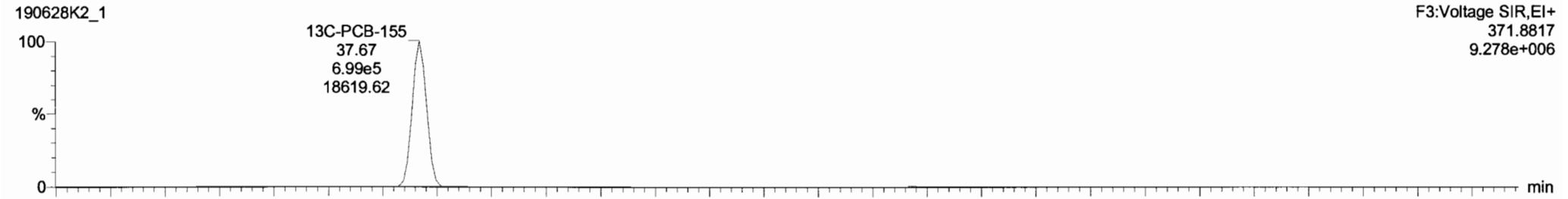
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-155



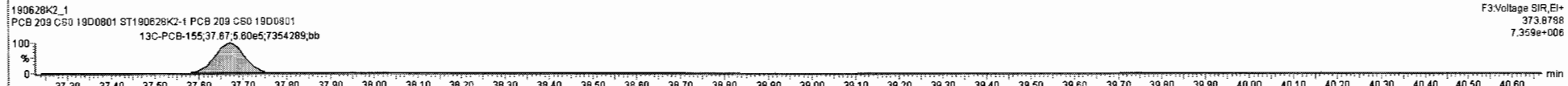
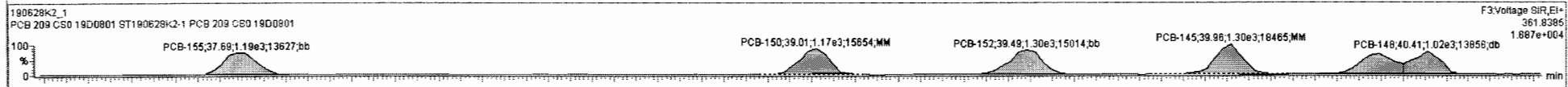
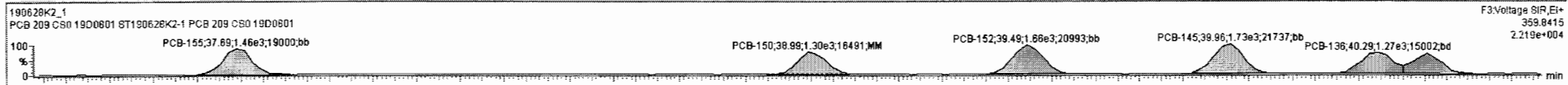
13C-PCB-155



190628K2_1 - ST190628K2-1.PCB.209.CS0.19D0801 - PCB.209.CS0.19D0801

| # | Name | Resp | RA | n/y | RRF | wch/ol | Pred RT | RT | Pred F | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|--------|------|--------|--------|
| 219 | 219 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.80 | 55.80 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.9746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0568 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.394 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 1.134 | | 0.0809 | 1.134 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7738 | 1.000 | 0.00 | | 0.000 | | NO | 3.759 | | 0.0822 | 3.259 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |

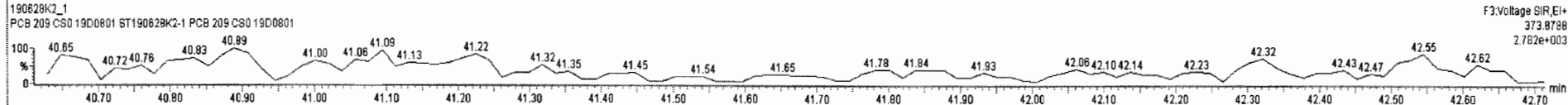
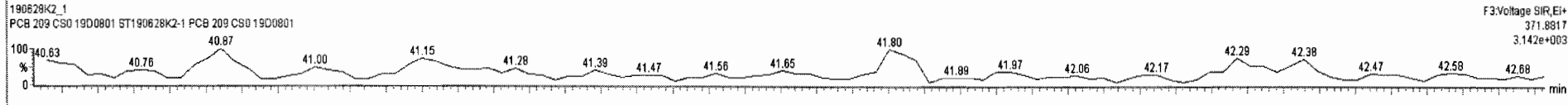
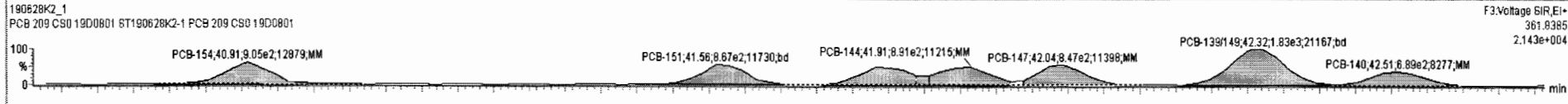
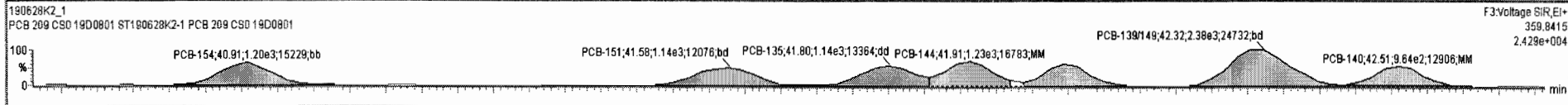
| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1% Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|-------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 98 PCB-155 | 37.69 | 37.69 | 1.460e3 | 1.191e3 | 1.240 | 1.23 | NO | 0.24106 | 0.24106 |
| 2 | 99 PCB-150 | 39.98 | 39.98 | 1.296e3 | 1.174e3 | 1.240 | 1.10 | NO | 0.22277 | 0.22277 |
| 3 | 100 PCB-152 | 39.48 | 39.48 | 1.883e3 | 1.297e3 | 1.240 | 1.28 | NO | 0.23416 | 0.23416 |
| 4 | 101 PCB-145 | 39.95 | 39.96 | 1.728e3 | 1.302e3 | 1.240 | 1.33 | NO | 0.24074 | 0.24074 |
| 5 | 102 PCB-136 | 40.28 | 40.29 | 1.270e3 | 1.081e3 | 1.240 | 1.18 | NO | 0.22150 | 0.22150 |
| 6 | 103 PCB-148 | 40.38 | 40.41 | 1.088e3 | 1.015e3 | 1.240 | 1.07 | NO | 0.24108 | 0.24108 |
| 7 | 104 PCB-154 | 40.90 | 40.91 | 1.200e3 | 9.049e2 | 1.240 | 1.33 | NO | 0.23093 | 0.23093 |
| 8 | 105 PCB-151 | 41.58 | 41.58 | 1.138e3 | 8.672e2 | 1.240 | 1.31 | NO | 0.25209 | 0.25209 |
| 9 | 106 PCB-135 | 41.80 | 41.80 | 1.142e3 | 9.323e2 | 1.240 | 1.23 | NO | 0.23018 | 0.23018 |



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|--------|------|--------|--------|
| 219 | 219 13C-PCB-205 | 8.29e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.988 | 0.988 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0565 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | | 0.000 | | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.584 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 1.134 | | 0.0809 | 1.134 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 3.259 | | 0.0622 | 3.259 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | | 0.000 | | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|----------------|------|-----|---------|---------|
| 1 | 98 PCB-155 | 37.69 | 37.69 | 1.460e3 | 1.191e3 | 1.240 | 1.23 | NO | 0.24106 | 0.24106 |
| 2 | 99 PCB-150 | 38.96 | 38.99 | 1.296e3 | 1.174e3 | 1.240 | 1.10 | NO | 0.22277 | 0.22277 |
| 3 | 100 PCB-152 | 39.48 | 39.49 | 1.663e3 | 1.297e3 | 1.240 | 1.28 | NO | 0.23416 | 0.23416 |
| 4 | 101 PCB-145 | 39.95 | 39.96 | 1.728e3 | 1.302e3 | 1.240 | 1.33 | NO | 0.24074 | 0.24074 |
| 5 | 102 PCB-136 | 40.28 | 40.29 | 1.270e3 | 1.081e3 | 1.240 | 1.18 | NO | 0.22150 | 0.22150 |
| 6 | 103 PCB-148 | 40.39 | 40.41 | 1.089e3 | 1.015e3 | 1.240 | 1.07 | NO | 0.24106 | 0.24106 |
| 7 | 104 PCB-154 | 40.90 | 40.91 | 1.200e3 | 9.049e2 | 1.240 | 1.33 | NO | 0.23093 | 0.23093 |
| 8 | 105 PCB-151 | 41.58 | 41.58 | 1.138e3 | 8.672e2 | 1.240 | 1.31 | NO | 0.25209 | 0.25209 |
| 9 | 106 PCB-135 | 41.80 | 41.80 | 1.142e3 | 9.323e2 | 1.240 | 1.23 | NO | 0.23018 | 0.23018 |

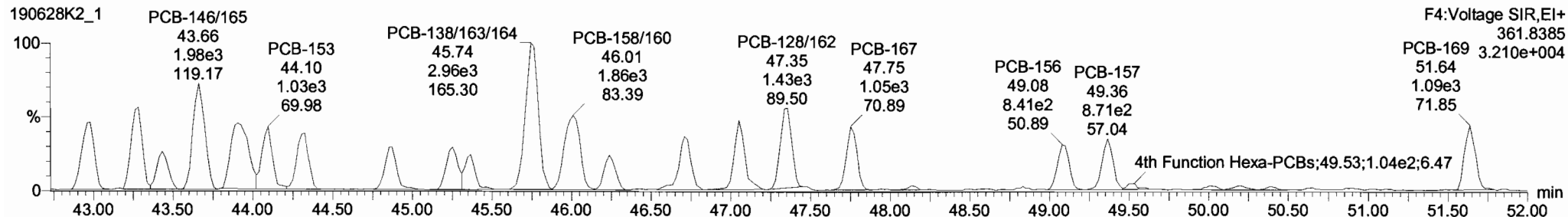
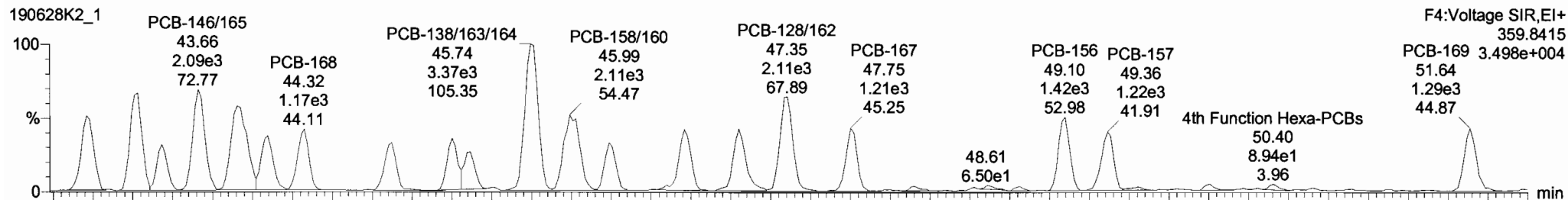


Dataset: Untitled

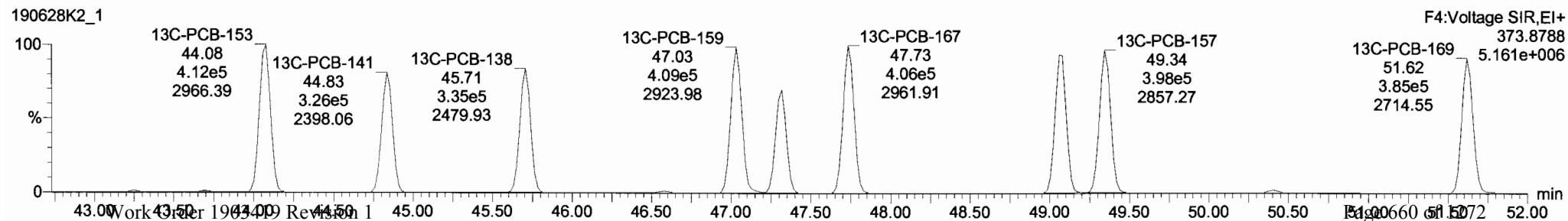
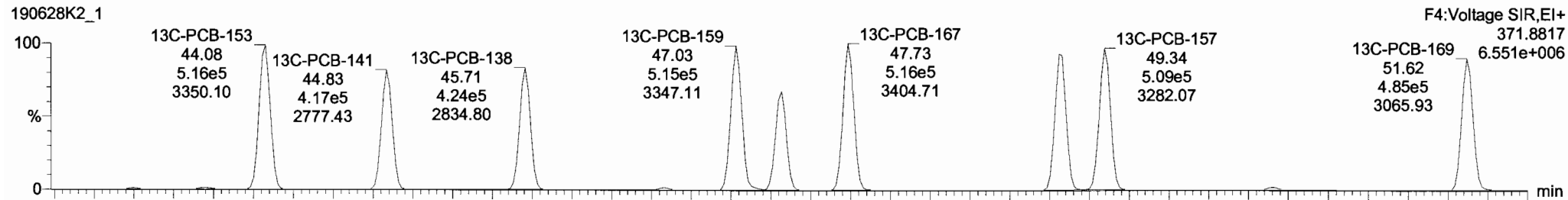
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-134/143



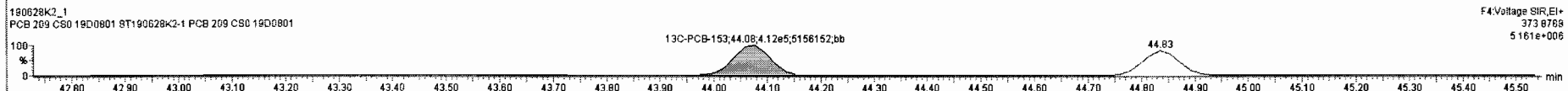
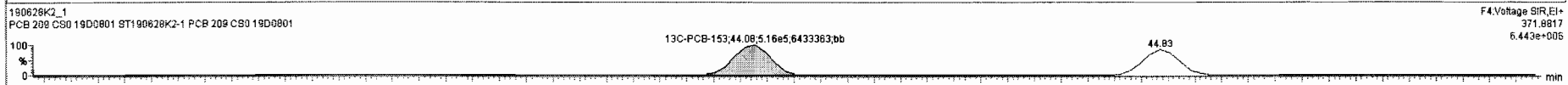
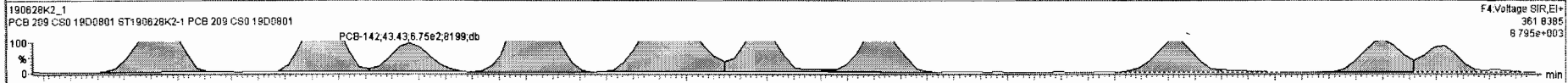
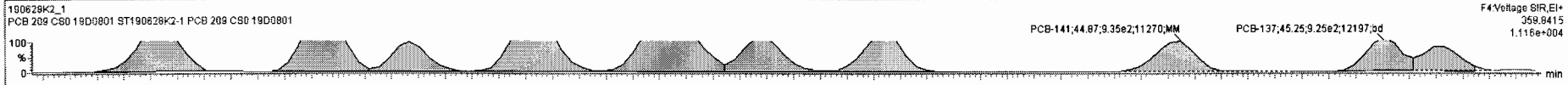
13C-PCB-153



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

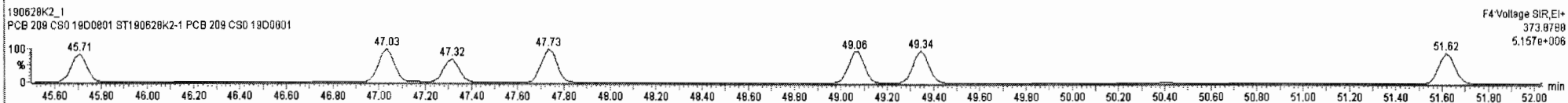
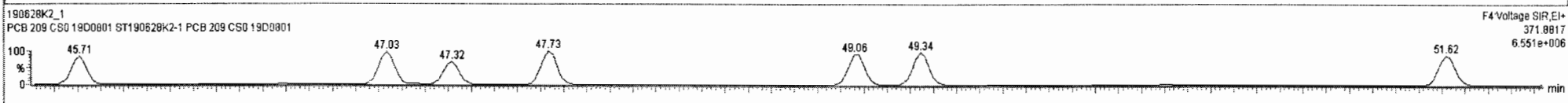
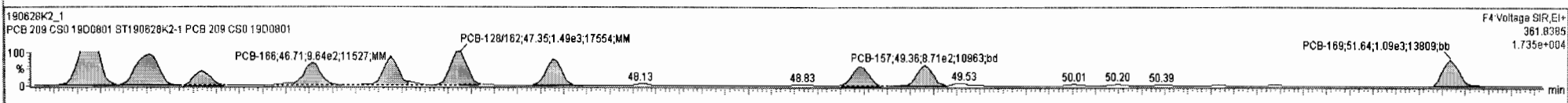
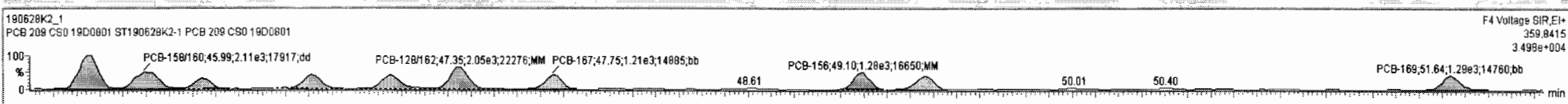
| # | Name | Resp | RA | n/y | RFF | wt/vol | Pred.RT | RT | Pred.R. | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|---------|-------|----------|--------|------|--------|--------|
| 219 | 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.50 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.6746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.988 | 0.988 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0719 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 3.738 | | 0.197 | 3.738 |
| 228 | Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 9.374 | | 0.418 | 9.594 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 1.134 | | 0.0809 | 1.134 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 3.259 | | 0.0622 | 3.259 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 8.404 | | 0.202 | 6.404 |
| 233 | Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | 0.000 | 0.000 | 0.000 | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | % Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------------|---------|-------|---------|---------|----------------|------|-----|---------|---------|
| 1 | 111 PCB-134/143 | 42.96 | 42.96 | 1.599e3 | 1.334e3 | 1.240 | 1.19 | NO | 0.42983 | 0.42983 |
| 2 | 112 PCB-131/133 | 43.26 | 43.28 | 1.999e3 | 1.441e3 | 1.240 | 1.39 | NO | 0.46939 | 0.46939 |
| 3 | 113 PCB-142 | 43.45 | 43.43 | 8.165e2 | 6.754e2 | 1.240 | 1.21 | NO | 0.22717 | 0.22717 |
| 4 | 114 PCB-146/165 | 43.66 | 43.66 | 2.095e3 | 1.978e3 | 1.240 | 1.06 | NO | 0.45767 | 0.45767 |
| 5 | 115 PCB-132/161 | 43.91 | 43.91 | 2.352e3 | 1.840e3 | 1.240 | 1.28 | NO | 0.46576 | 0.46576 |
| 6 | 116 PCB-153 | 44.09 | 44.10 | 1.125e3 | 1.033e3 | 1.240 | 1.09 | NO | 0.23112 | 0.23112 |
| 7 | 117 PCB-168 | 44.30 | 44.32 | 1.170e3 | 1.034e3 | 1.240 | 1.13 | NO | 0.23427 | 0.23427 |
| 8 | 118 PCB-141 | 44.88 | 44.87 | 9.351e2 | 7.519e2 | 1.240 | 1.24 | NO | 0.23455 | 0.23455 |
| 9 | 119 PCB-137 | 45.25 | 45.25 | 9.249e2 | 7.825e2 | 1.240 | 1.18 | NO | 0.23252 | 0.23252 |



| # | Name | Resp | RA | n/y | RRF | wVol | Pred_RT | RT | Pred_R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|-----------|-------|----------|--------|------|--------|--------|
| 219 | 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 13C-PCB-178 | 5.62e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.968 | 0.968 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 13C-PCB-178 | 5.61e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 3.738 | | 0.197 | 3.738 |
| 228 | Total Tetra-PCBs | | | | 0.9681 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 9.374 | | 0.418 | 9.584 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 1.134 | | 0.0809 | 1.134 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 3.259 | | 0.0622 | 3.259 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 5.404 | | 0.202 | 6.404 |
| 233 | Total Hepta-PCBs | | | | 1.2638 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 5.554 | | 0.637 | 5.554 |

| # | Name | Pred_RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 111 PCB-134/143 | 42.96 | 42.96 | 1.589e3 | 1.334e3 | 1.240 | 1.19 | NO | 0.42983 | 0.42983 |
| 2 | 112 PCB-131/133 | 43.26 | 43.28 | 1.999e3 | 1.441e3 | 1.240 | 1.38 | NO | 0.46839 | 0.46839 |
| 3 | 113 PCB-142 | 43.45 | 43.43 | 8.165e2 | 6.754e2 | 1.240 | 1.21 | NO | 0.22717 | 0.22717 |
| 4 | 114 PCB-146/165 | 43.66 | 43.86 | 2.095e3 | 1.978e3 | 1.240 | 1.08 | NO | 0.45767 | 0.45767 |
| 5 | 115 PCB-132/161 | 43.91 | 43.91 | 2.352e3 | 1.640e3 | 1.240 | 1.28 | NO | 0.46576 | 0.46576 |
| 6 | 116 PCB-153 | 44.09 | 44.10 | 1.125e3 | 1.033e3 | 1.240 | 1.09 | NO | 0.23112 | 0.23112 |
| 7 | 117 PCB-168 | 44.30 | 44.32 | 1.170e3 | 1.034e3 | 1.240 | 1.13 | NO | 0.23427 | 0.23427 |
| 8 | 118 PCB-141 | 44.88 | 44.87 | 9.351e2 | 7.519e2 | 1.240 | 1.24 | NO | 0.23455 | 0.23455 |
| 9 | 119 PCB-137 | 45.25 | 45.25 | 9.249e2 | 7.825e2 | 1.240 | 1.18 | NO | 0.23252 | 0.23252 |



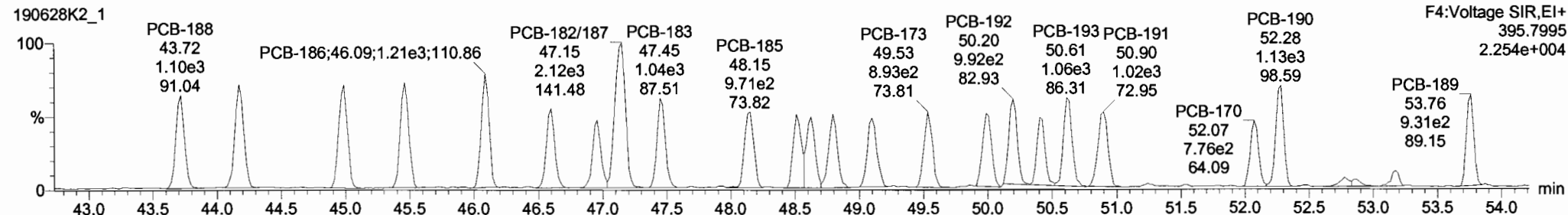
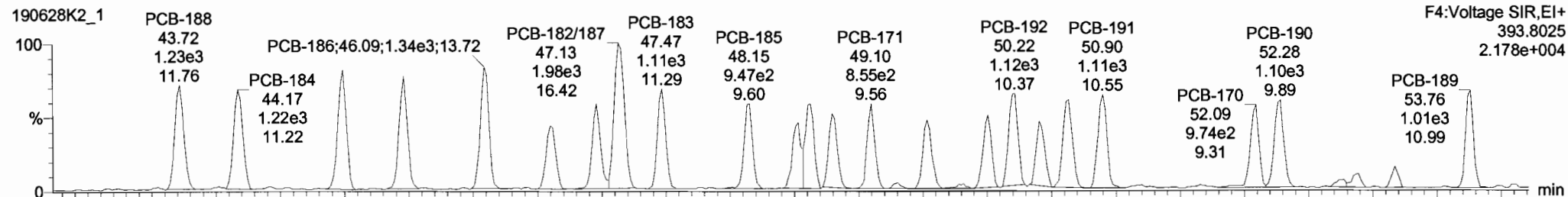
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

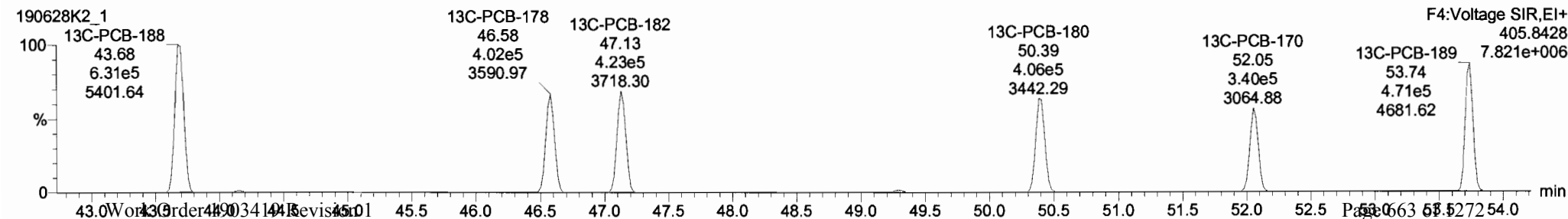
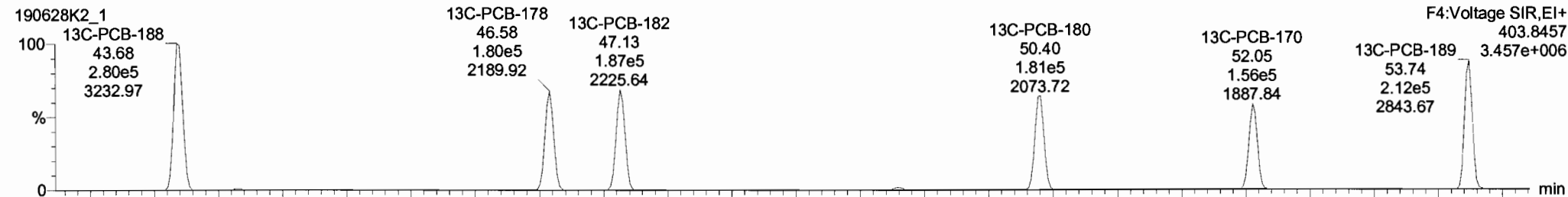
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-188



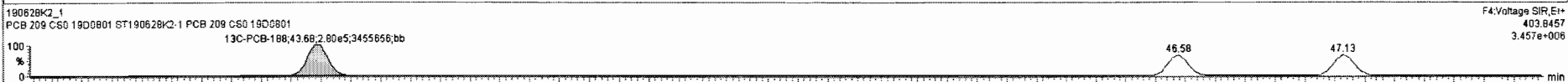
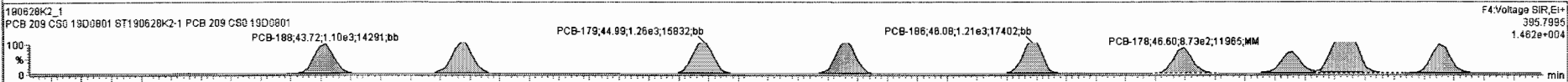
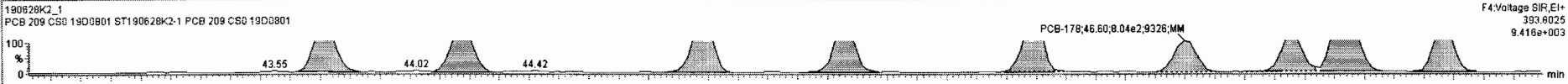
13C-PCB-188



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

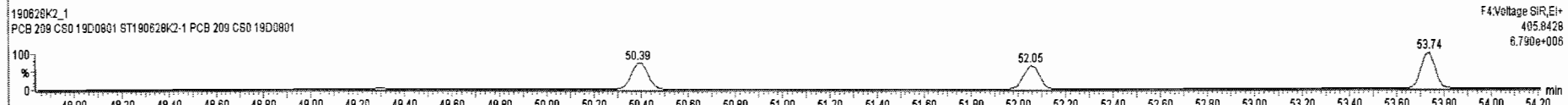
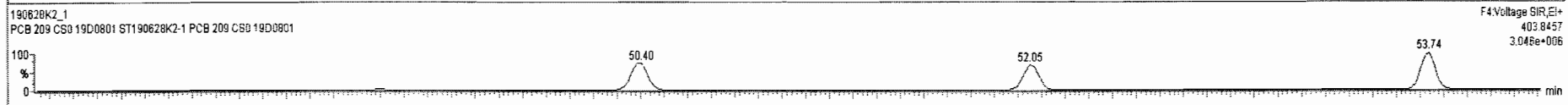
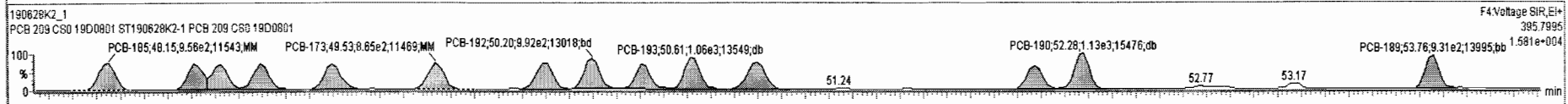
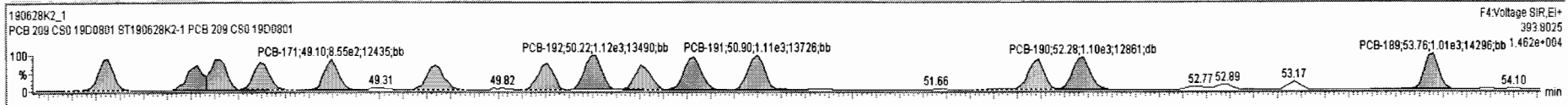
| # | Name | Resp | RA | n/y | RRF | wtAvt | Pred RT | RT | Pred R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|--------|--------|----------|-------|--------|--------|------|
| 219 | 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.80 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0690 | |
| 221 | 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.968 | 0.968 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 13C-PCB-79 | 1.31e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.8 | 102 | 0.0718 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | 0.6823 | NO | | 0.0291 | 0.6823 | |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | 2.753 | NO | | 0.170 | 2.753 | |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | 1.895 | NO | | 0.0699 | 1.895 | |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | 3.738 | NO | | 0.197 | 3.738 | |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | 9.554 | NO | | 0.359 | 9.554 | |
| 229 | 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | 9.374 | NO | | 0.418 | 9.594 | |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | 1.134 | NO | | 0.0809 | 1.134 | |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | 3.259 | NO | | 0.0622 | 3.259 | |
| 232 | 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | 6.404 | NO | | 0.202 | 6.404 | |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | 5.544 | NO | | 0.637 | 5.544 | |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc |
|----|-------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 15 | 145 PCB-173 | 49.56 | 49.53 | 7.985e2 | 8.654e2 | 1.050 | 0.92 | NO | 0.24820 | 0.24820 |
| 16 | 146 PCB-172 | 50.02 | 50.01 | 8.589e2 | 9.364e2 | 1.050 | 0.92 | NO | 0.23386 | 0.23386 |
| 17 | 147 PCB-192 | 50.22 | 50.22 | 1.124e3 | 9.915e2 | 1.050 | 1.13 | NO | 0.21172 | 0.21172 |
| 18 | 148 PCB-180 | 50.43 | 50.40 | 7.893e2 | 7.589e2 | 1.050 | 1.01 | NO | 0.19709 | 0.19709 |
| 19 | 149 PCB-193 | 50.64 | 50.63 | 1.105e3 | 1.057e3 | 1.050 | 1.05 | NO | 0.23910 | 0.23910 |
| 20 | 150 PCB-191 | 50.90 | 50.90 | 1.108e3 | 1.021e3 | 1.050 | 1.09 | NO | 0.23038 | 0.23038 |
| 21 | 151 PCB-170 | 52.07 | 52.08 | 9.365e2 | 7.765e2 | 1.050 | 1.21 | NO | 0.25399 | 0.25399 |
| 22 | 152 PCB-190 | 52.26 | 52.28 | 1.102e3 | 1.133e3 | 1.050 | 0.97 | NO | 0.24484 | 0.24484 |
| 23 | 153 PCB-189 | 53.76 | 53.76 | 1.008e3 | 9.308e2 | 1.050 | 1.08 | NO | 0.21302 | 0.21302 |



| # | Name | Resp | RA | n/y | RRF | wVol | Pred.RT | RT | Pred.R | RRT | RRTI | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|------|--------|------|--------|--------|
| 219 | 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0590 | |
| 221 | 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.59 | 46.59 | 0.968 | 0.968 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 13C-PCB-79 | 1.31e6 | 0.76 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.59 | 0.924 | 0.924 | NO | 101.6 | 102 | 0.0718 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | Total Di-PCBs | | | | 1.0582 | 1.000 | 0.00 | | 0.000 | | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 3.738 | | 0.197 | 3.738 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | | NO | 9.374 | | 0.418 | 9.594 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 1.134 | | 0.0809 | 1.134 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 3.259 | | 0.0622 | 3.259 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 6.404 | | 0.202 | 6.404 |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 5.544 | | 0.637 | 5.544 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|----|-------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 15 | 145 PCB-173 | 49.56 | 49.53 | 7.985e2 | 8.654e2 | 1.050 | 0.92 | NO | 0.24820 | 0.24820 |
| 16 | 146 PCB-172 | 50.02 | 50.01 | 8.598e2 | 9.384e2 | 1.050 | 0.92 | NO | 0.23365 | 0.23365 |
| 17 | 147 PCB-192 | 50.22 | 50.22 | 1.124e3 | 9.915e2 | 1.050 | 1.13 | NO | 0.21172 | 0.21172 |
| 18 | 148 PCB-180 | 50.43 | 50.40 | 7.893e2 | 7.588e2 | 1.050 | 1.01 | NO | 0.19709 | 0.19709 |
| 19 | 149 PCB-193 | 50.64 | 50.63 | 1.105e3 | 1.057e3 | 1.050 | 1.05 | NO | 0.23910 | 0.23910 |
| 20 | 150 PCB-191 | 50.90 | 50.90 | 1.108e3 | 1.021e3 | 1.050 | 1.09 | NO | 0.23038 | 0.23038 |
| 21 | 151 PCB-170 | 52.07 | 52.08 | 9.365e2 | 7.765e2 | 1.050 | 1.21 | NO | 0.25399 | 0.25399 |
| 22 | 152 PCB-190 | 52.26 | 52.28 | 1.102e3 | 1.133e3 | 1.050 | 0.97 | NO | 0.24484 | 0.24484 |
| 23 | 153 PCB-189 | 53.76 | 53.76 | 1.008e3 | 9.308e2 | 1.050 | 1.08 | NO | 0.21302 | 0.21302 |



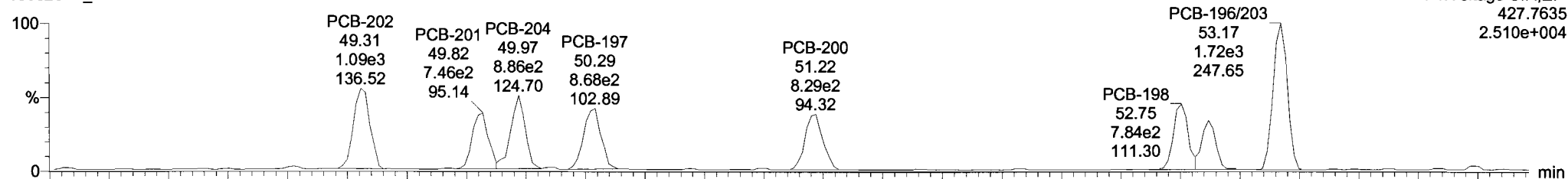
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

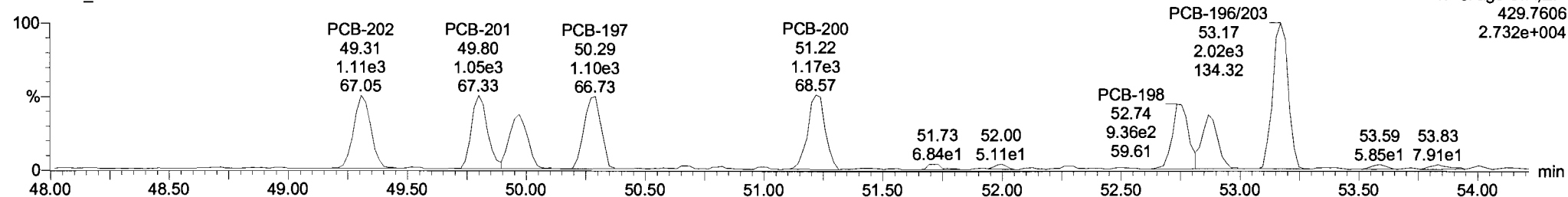
Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-202

190628K2_1

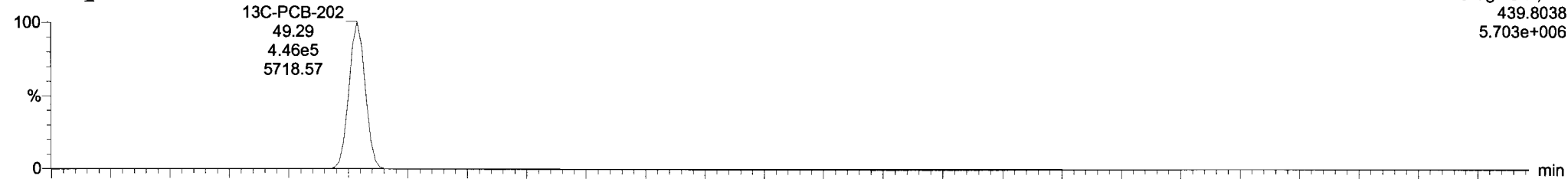


190628K2_1

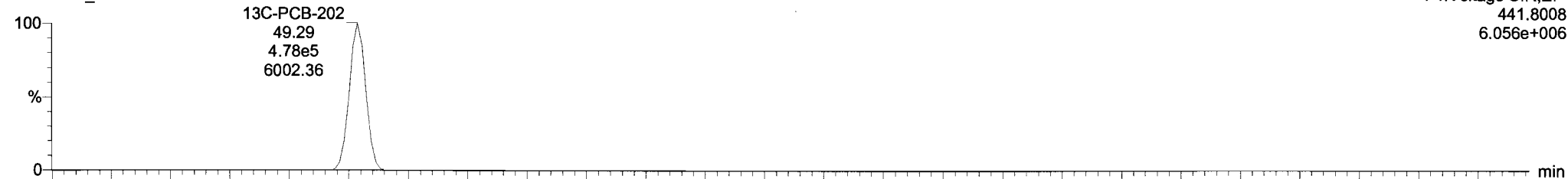


13C-PCB-202

190628K2_1



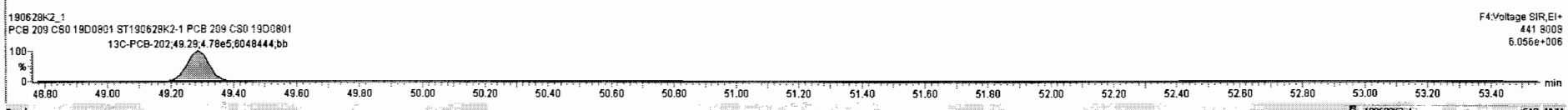
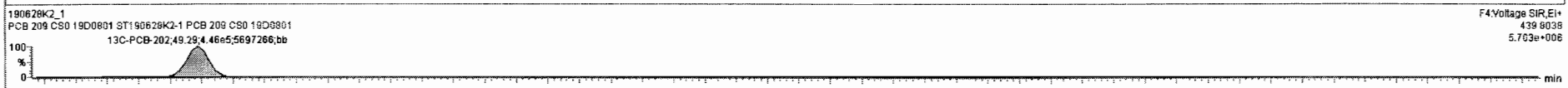
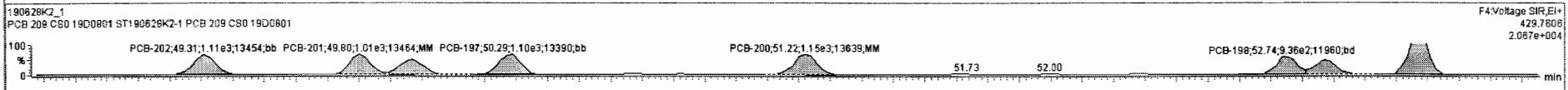
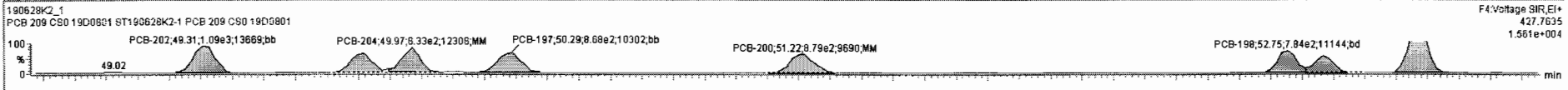
190628K2_1



190628K2_1 - ST190628K2-1 PCB 209 C50 19D0801 - PCB 209 C50 19D0801

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred RT | RT | Pred R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|--------|------|--------|--------|
| 219 | 219 13C-PCB-205 | 8.28e5 | 0.91 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0453 | |
| 220 | 220 13C-PCB-79 | 1.31e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 101.6 | 102 | 0.0690 | |
| 221 | 221 13C-PCB-178 | 5.82e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.888 | 0.888 | NO | 105.4 | 105 | 0.0722 | |
| 222 | 222 13C-PCB-79 | 1.31e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 101.0 | 101 | 0.0612 | |
| 223 | 223 13C-PCB-178 | 5.81e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 101.5 | 102 | 0.0718 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 0.6823 | | 0.0291 | 0.6823 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 2.753 | | 0.170 | 2.753 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 1.895 | | 0.0699 | 1.895 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 3.738 | | 0.197 | 3.738 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 9.554 | | 0.358 | 9.554 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1152 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 9.374 | | 0.418 | 9.594 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 1.134 | | 0.0809 | 1.134 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 3.259 | | 0.0622 | 3.259 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 6.404 | | 0.202 | 6.404 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | 0.000 | NO | 5.544 | | 0.637 | 5.544 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 154 PCB-202 | 49.33 | 49.31 | 1.085e3 | 1.110e3 | 0.890 | 0.96 | NO | 0.23193 | 0.23193 |
| 2 | 155 PCB-201 | 49.79 | 49.82 | 7.715e2 | 1.014e3 | 0.890 | 0.76 | NO | 0.21104 | 0.21104 |
| 3 | 156 PCB-204 | 49.97 | 49.97 | 8.331e2 | 8.771e2 | 0.890 | 0.95 | NO | 0.18899 | 0.18899 |
| 4 | 157 PCB-197 | 50.26 | 50.29 | 8.681e2 | 1.103e3 | 0.890 | 0.79 | NO | 0.21781 | 0.21781 |
| 5 | 158 PCB-200 | 51.21 | 51.22 | 8.739e2 | 1.145e3 | 0.890 | 0.77 | NO | 0.22956 | 0.22956 |
| 6 | 159 PCB-198 | 52.75 | 52.75 | 7.838e2 | 9.355e2 | 0.890 | 0.84 | NO | 0.24960 | 0.24960 |
| 7 | 160 PCB-199 | 52.87 | 52.87 | 5.885e2 | 7.662e2 | 0.890 | 0.77 | NO | 0.20762 | 0.20762 |
| 8 | 161 PCB-196/203 | 53.17 | 53.17 | 1.717e3 | 2.023e3 | 0.890 | 0.85 | NO | 0.51554 | 0.51554 |

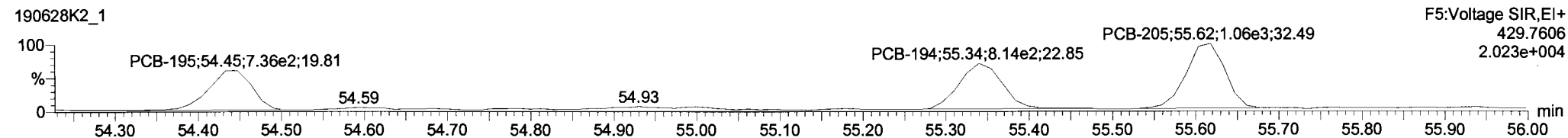
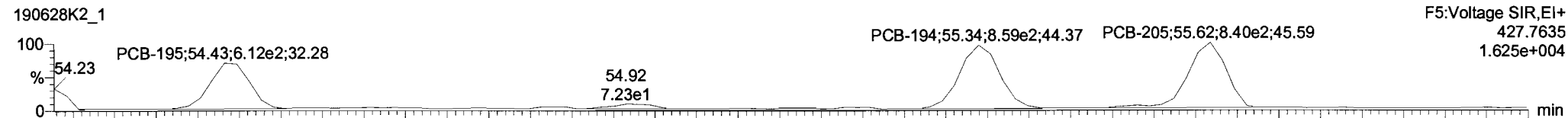


Dataset: Untitled

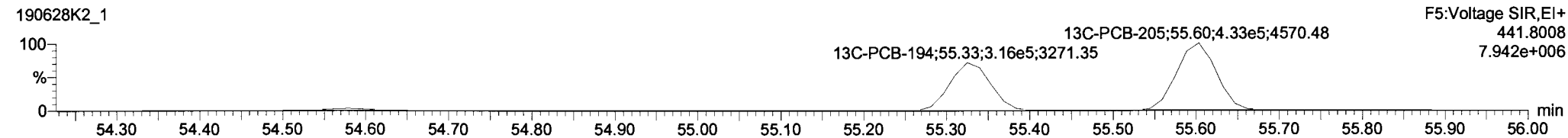
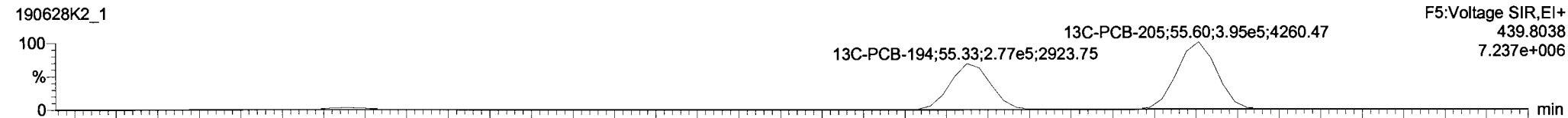
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

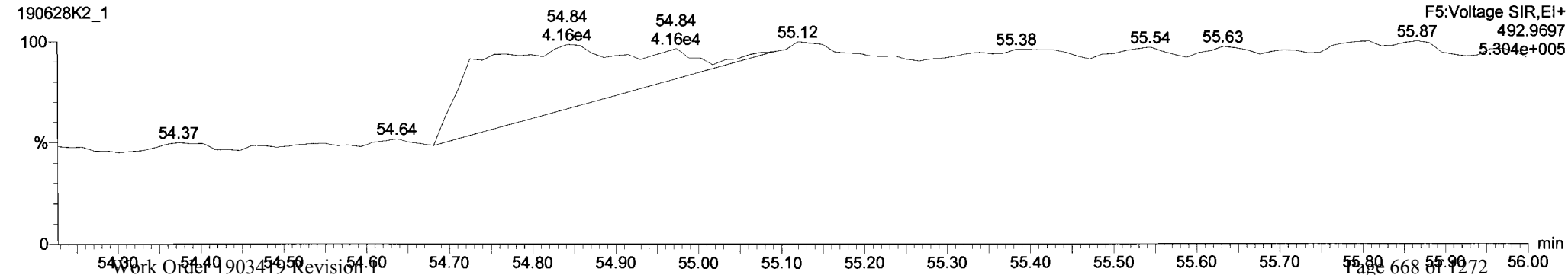
PCB-195



13C-PCB-194



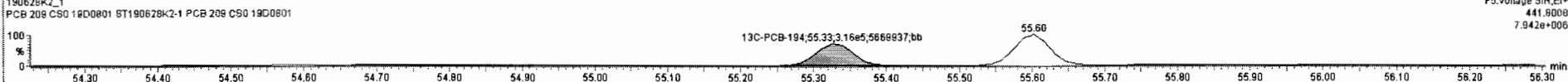
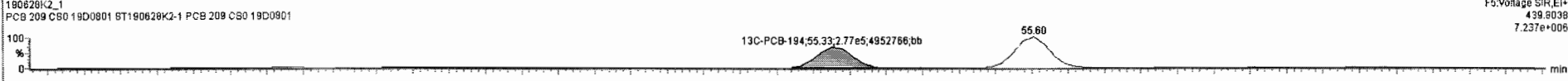
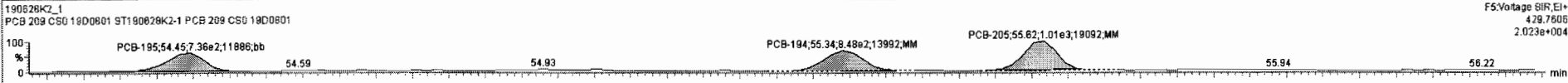
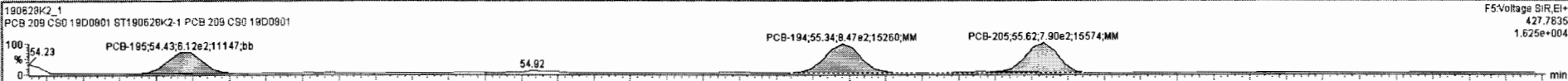
PFK5



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------------|------|----|-----|--------|--------|---------|----|--------|-----|----------|--------|------|---------|--------|
| 235 | 235 9th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 0.8826 | | 0.0454 | 0.8826 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 0.7083 | | 0.0179 | 0.7083 |
| 237 | 237 Deca-CB | | | | 0.9426 | 1.000 | 0.00 | | 0.000 | | NO | 0.2291 | | 0.00306 | 0.2291 |
| 238 | 238 Total PCBs | | | | | | | | | | | | | | |
| 239 | 239 Total Mono-Isotopes | | | | | | | | | | | | | | |
| 240 | 240 Total Di-Isotopes | | | | | | | | | | | | | | |
| 241 | 241 2nd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 242 | 242 3rd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 243 | 243 Tetra-Isotopes | | | | 0.9849 | 1.000 | 0.00 | | 1.000 | | NO | 908.5 | | 0.560 | 0.0000 |
| 244 | 244 3rd Function Penta-Isotopes | | | | 0.9098 | 1.000 | 0.00 | | 0.000 | | NO | 712.8 | | 0.260 | 0.0000 |
| 245 | 245 4th Function Penta-Isotopes | | | | 1.5424 | 1.000 | 0.00 | | 0.000 | | NO | 400.5 | | 0.233 | 0.0000 |
| 246 | 246 4th Function Hexa-Isotopes | | | | 1.3060 | 1.000 | 0.00 | | 0.000 | | NO | 917.7 | | 0.642 | 0.0000 |
| 247 | 247 Hepta-Isotopes | | | | | | | | | | | | | | |
| 248 | 248 9th Function Octa-Isotopes | | | | 0.8568 | 1.000 | 0.00 | | 0.000 | | NO | 200.5 | | 0.109 | 0.0000 |
| 249 | 249 Nona-Isotopes | | | | | | | | | | | | | | |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 162 PCB-195 | 54.45 | 54.43 | 6.117e2 | 7.355e2 | 0.890 | 0.83 | NO | 0.21958 | 0.21958 |
| 2 | 163 PCB-194 | 55.34 | 55.34 | 8.467e2 | 8.476e2 | 0.890 | 1.00 | NO | 0.24686 | 0.24686 |
| 3 | 164 PCB-205 | 55.61 | 55.62 | 7.890e2 | 1.009e3 | 0.890 | 0.78 | NO | 0.21619 | 0.21619 |

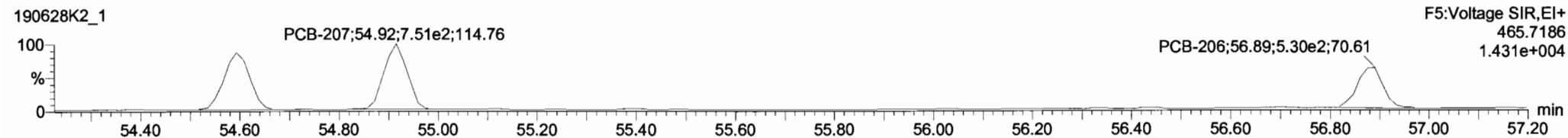
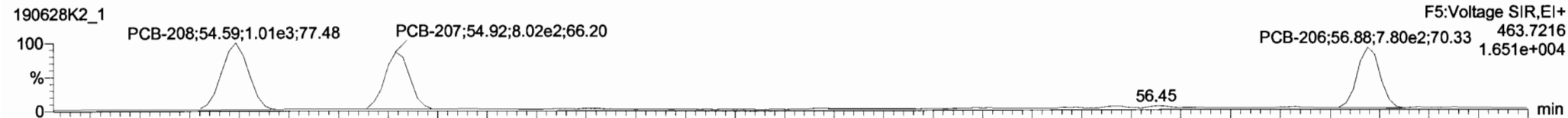


Dataset: Untitled

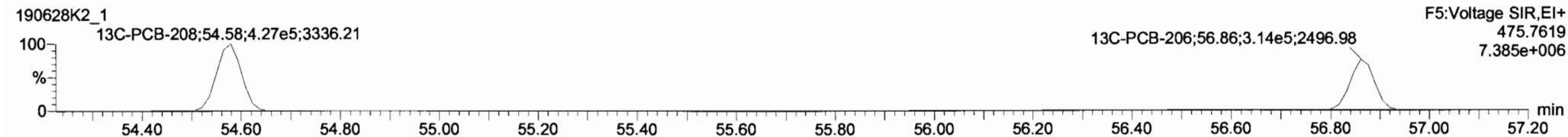
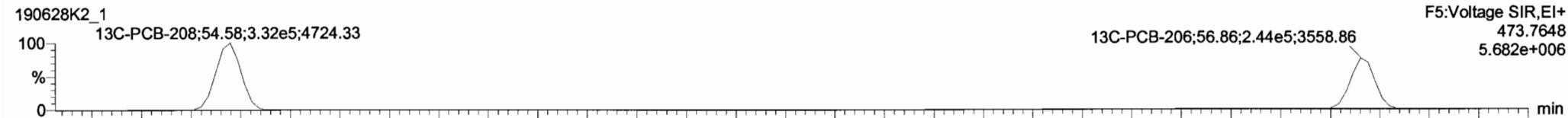
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

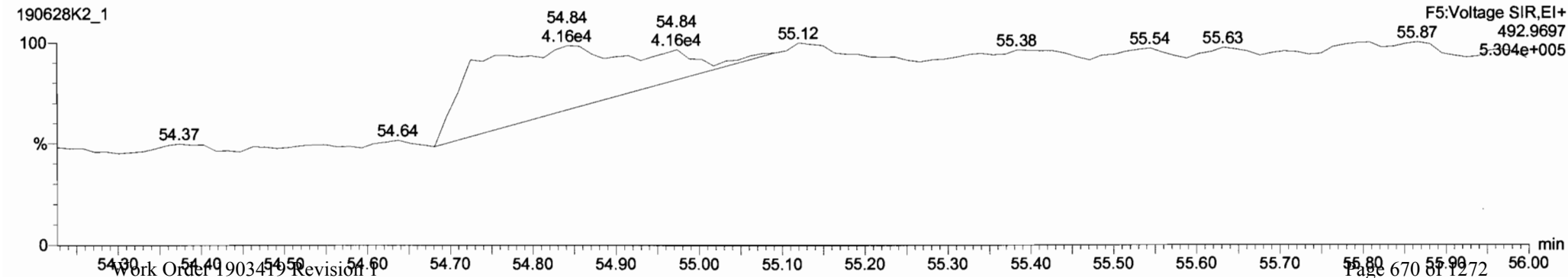
PCB-208



13C-PCB-208



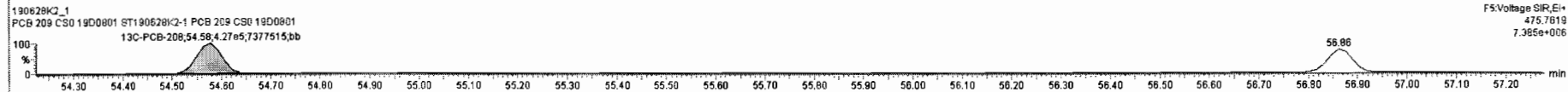
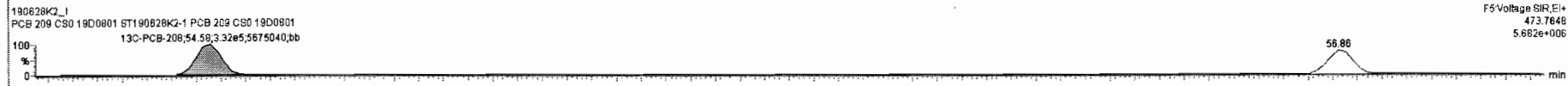
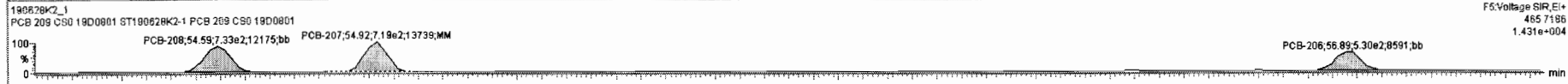
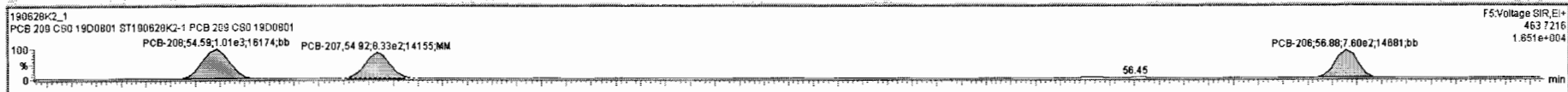
PFK5



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

| # | Name | Resp | RA | rvy | RRT | wt/dvd | Pred.RT | RT | Pred.R | RRT | RRT-Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------------|------|----|-----|--------|--------|---------|-------|--------|-----|----------|--------|---------|--------|------|
| 235 | 235 9th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 0.6826 | 0.0454 | 0.6826 | |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 0.7083 | 0.0179 | 0.7083 | |
| 237 | 237 Deca-CB | | | | 0.9426 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 0.2291 | 0.00306 | 0.2291 | |
| 238 | 238 Total PCBs | | | | | | | | | | | | | | |
| 239 | 239 Total Mono-Isotopes | | | | | | | | | | | | | | |
| 240 | 240 Total Di-Isotopes | | | | | | | | | | | | | | |
| 241 | 241 2nd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 242 | 242 3rd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 243 | 243 Tetra-Isotopes | | | | 0.9849 | 1.000 | 0.00 | 1.000 | 0.000 | | NO | 908.5 | 0.560 | 0.0000 | |
| 244 | 244 3rd Function Penta-Isotopes | | | | 0.9098 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 712.8 | 0.250 | 0.0000 | |
| 245 | 245 4th Function Penta-Isotopes | | | | 1.5424 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 400.5 | 0.233 | 0.0000 | |
| 246 | 246 4th Function Hexa-Isotopes | | | | 1.3050 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 917.7 | 0.642 | 0.0000 | |
| 247 | 247 Hepta-Isotopes | | | | | | | | | | | | | | |
| 248 | 248 5th Function Octa-Isotopes | | | | 0.8568 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 200.5 | 0.109 | 0.0000 | |
| 249 | 249 Nona-Isotopes | | | | | | | | | | | | | | |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | rvy | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|----------------|------|-----|---------|---------|
| 1 | 165 PCB-208 | 54.60 | 54.59 | 1.013e3 | 7.329e2 | 1.340 | 1.38 | NO | 0.24617 | 0.24617 |
| 2 | 166 PCB-207 | 54.92 | 54.92 | 8.329e2 | 7.193e2 | 1.340 | 1.16 | NO | 0.22417 | 0.22417 |
| 3 | 167 PCB-206 | 56.88 | 56.88 | 7.804e2 | 5.303e2 | 1.340 | 1.47 | NO | 0.23797 | 0.23797 |

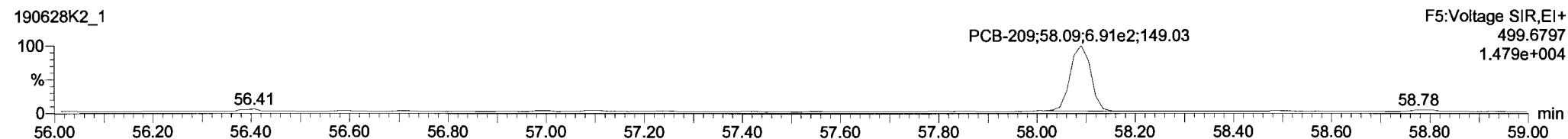
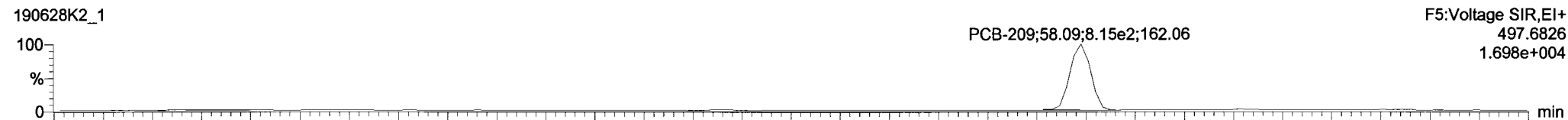


Dataset: Untitled

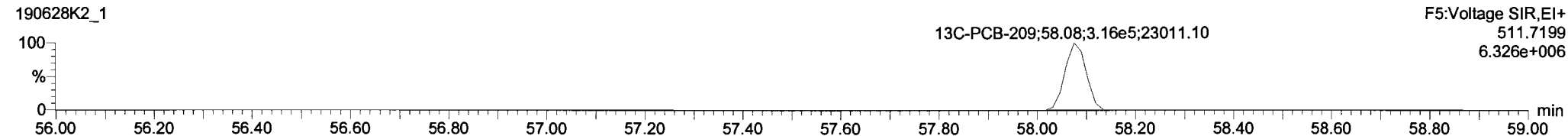
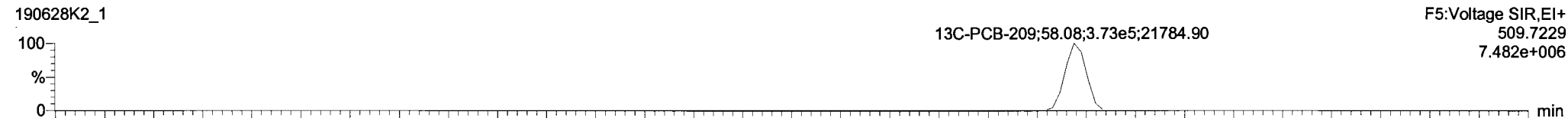
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

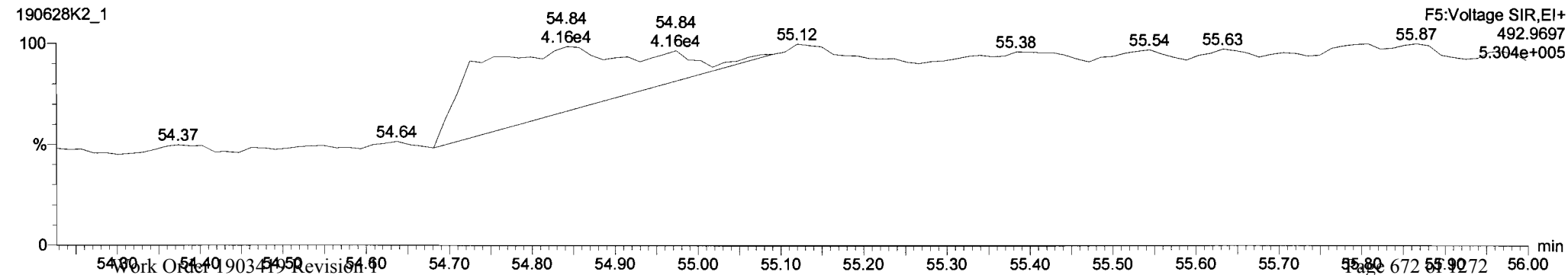
PCB-209



13C-PCB-209

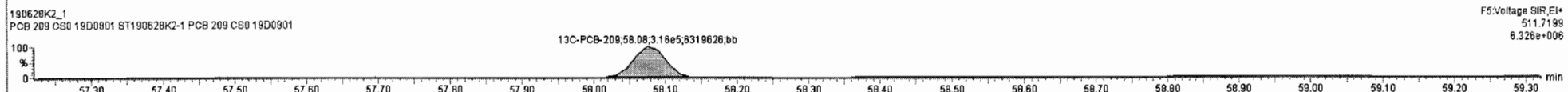
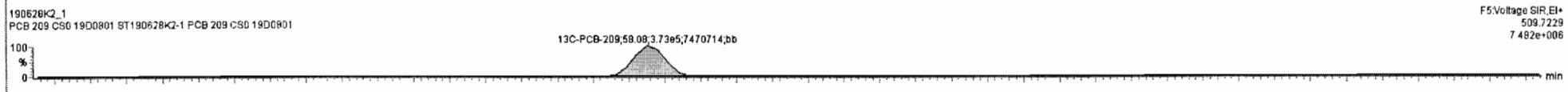
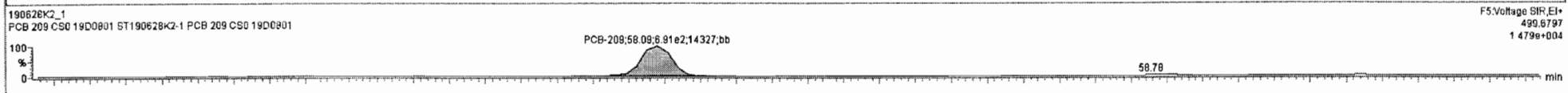
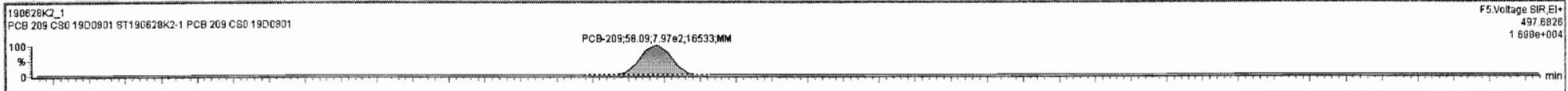


PFK5



| # | Name | Resp | RA | n/y | RRF | wtVol | Pred RT | RT | Pred R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|---------------------------------|------|----|-----|--------|-------|---------|----|--------|-----|----------|--------|------|---------|--------|
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 0.6826 | | 0.0454 | 0.6826 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 0.7083 | | 0.0179 | 0.7083 |
| 237 | 237 Deca-CB | | | | 0.9426 | 1.000 | 0.00 | | 0.000 | | NO | 0.2291 | | 0.00306 | 0.2291 |
| 238 | 238 Total PCBs | | | | | | | | | | | | | | |
| 239 | 239 Total Mono-Isotopes | | | | | | | | | | | | | | |
| 240 | 240 Total Di-Isotopes | | | | | | | | | | | | | | |
| 241 | 241 2nd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 242 | 242 3rd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 243 | 243 Tetra-Isotopes | | | | 0.9849 | 1.000 | 0.00 | | 1.000 | | NO | 908.5 | | 0.580 | 0.0000 |
| 244 | 244 3rd Function Penta-Isotopes | | | | 0.8098 | 1.000 | 0.00 | | 0.000 | | NO | 712.8 | | 0.250 | 0.0000 |
| 245 | 245 4th Function Penta-Isotopes | | | | 1.5424 | 1.000 | 0.00 | | 0.000 | | NO | 400.5 | | 0.233 | 0.0000 |
| 246 | 246 4th Function Hexa-Isotopes | | | | 1.3060 | 1.000 | 0.00 | | 0.000 | | NO | 917.7 | | 0.642 | 0.0000 |
| 247 | 247 Hepta-Isotopes | | | | | | | | | | | | | | |
| 248 | 248 5th Function Octa-Isotopes | | | | 0.8568 | 1.000 | 0.00 | | 0.000 | | NO | 200.5 | | 0.109 | 0.0000 |
| 249 | 249 Nona-Isotopes | | | | | | | | | | | | | | |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc |
|-----|---------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 168 | PCB-209 | 58.08 | 58.09 | 7.968e2 | 6.911e2 | 1.170 | 1.15 | NO | 0.22911 | 0.22911 |

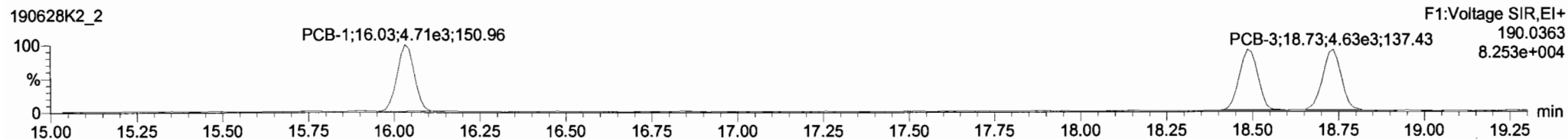
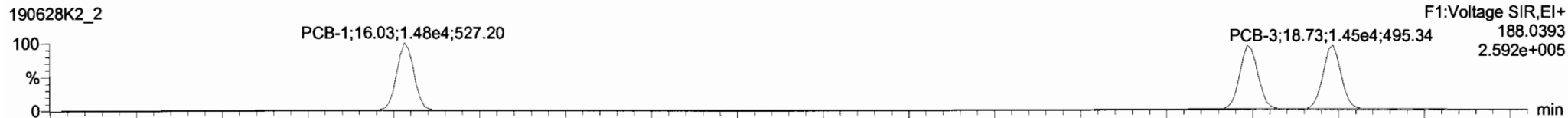


Dataset: Untitled

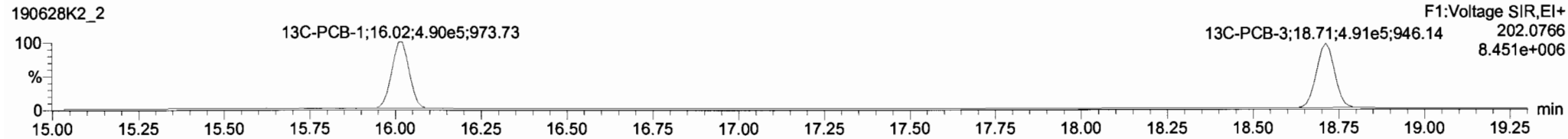
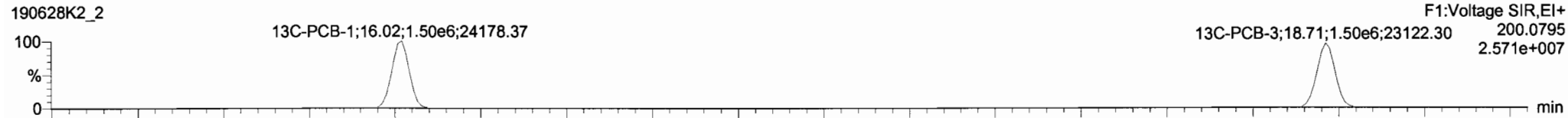
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

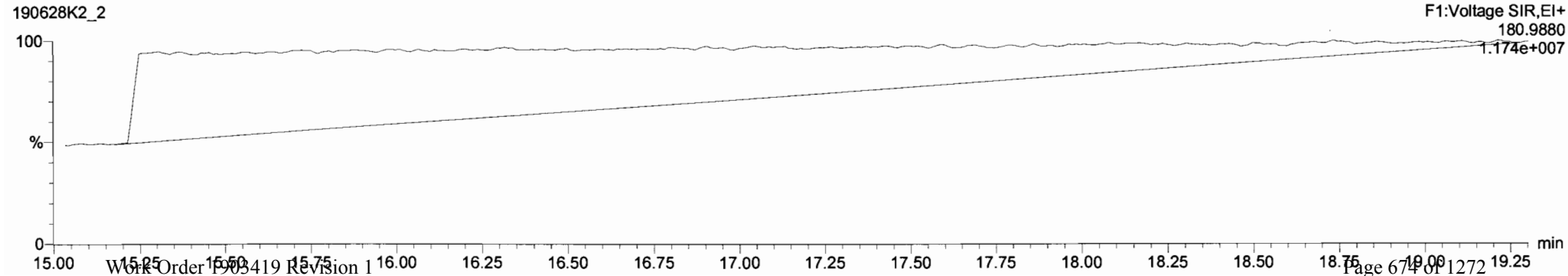
PCB-1



13C-PCB-1



PFK1

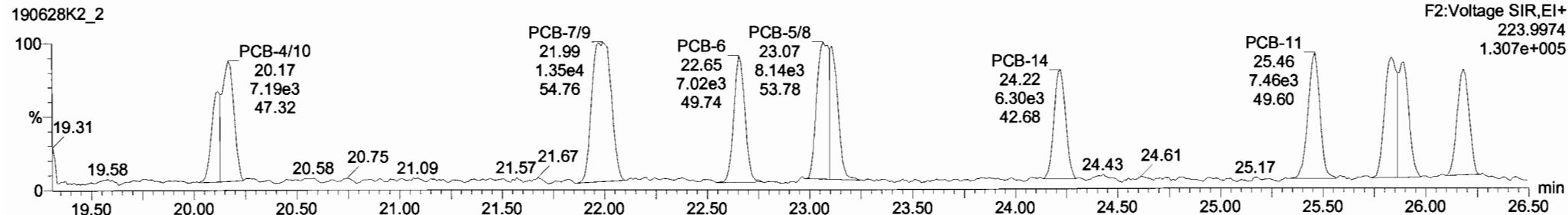
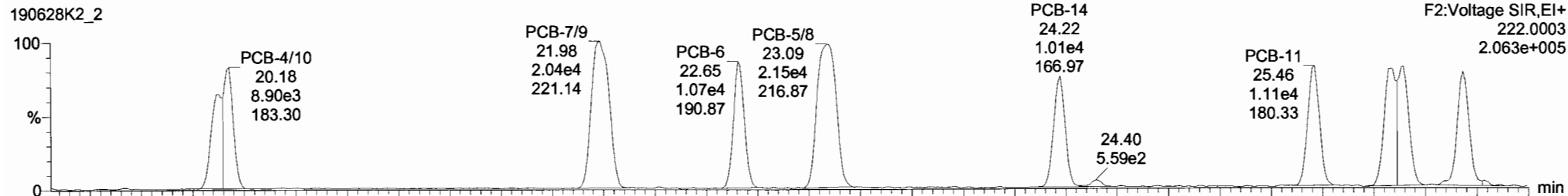


Dataset: Untitled

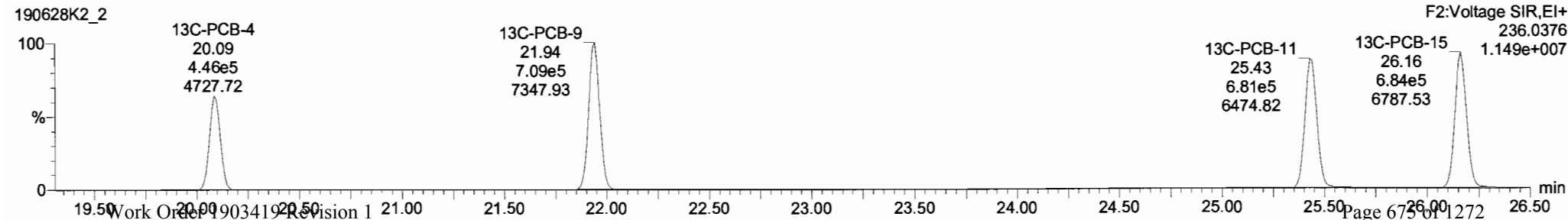
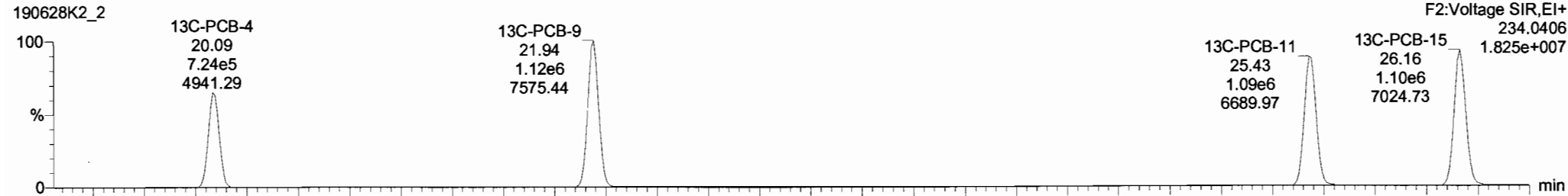
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-4/10

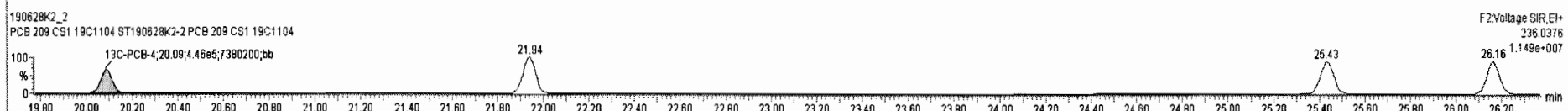
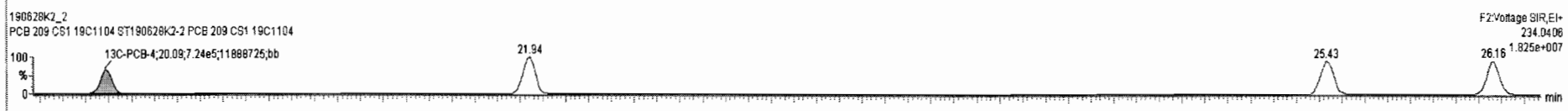
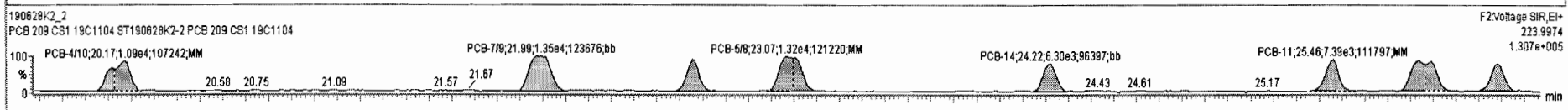
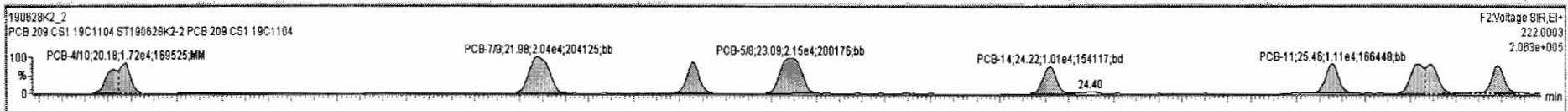


13C-PCB-4



| # | Name | Resp | RA | n/y | RRF | w/Vol | Pred.RT | RT | Pred.R. | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|---------|-------|----------|-------|------|--------|-------|
| 217 | 13C-PCB-128 | 6.11e5 | 1.23 | NO | 1.0000 | 1.000 | 47.32 | 47.32 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0896 | |
| 218 | 13C-PCB-182 | 5.90e5 | 0.46 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0546 | |
| 219 | 13C-PCB-205 | 7.49e5 | 0.89 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0506 | |
| 220 | 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 97.19 | 97.2 | 0.0754 | |
| 221 | 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 100.5 | 101 | 0.0616 | |
| 222 | 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0454 | 1.000 | 38.48 | 38.47 | 0.968 | 0.968 | NO | 97.92 | 97.9 | 0.0773 | |
| 223 | 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0625 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | | | NO | 2.888 | | 0.0184 | 2.888 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | | | NO | 11.23 | | 0.183 | 11.23 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | | | NO | 7.746 | | 0.0647 | 7.745 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | 0.000 | | | NO | 15.09 | | 0.234 | 15.09 |
| 228 | 228 Total Tetra-PCBs | | | | 0.8661 | 1.000 | 0.00 | 0.000 | | | NO | 40.04 | | 1.06 | 40.03 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.000 | | | NO | 39.34 | | 0.435 | 39.34 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.000 | | | NO | 4.728 | | 0.0923 | 4.728 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.000 | | | NO | 13.13 | | 0.0560 | 13.13 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 4 PCB-4/10 | 20.17 | 20.18 | 1.721e4 | 1.068e4 | 1.560 | 1.58 | NO | 1.8820 | 1.8820 |
| 2 | 5 PCB-7/9 | 22.00 | 21.98 | 2.040e4 | 1.350e4 | 1.560 | 1.51 | NO | 1.8980 | 1.8983 |
| 3 | 6 PCB-6 | 22.65 | 22.65 | 1.073e4 | 7.025e3 | 1.560 | 1.53 | NO | 0.95900 | 0.95449 |
| 4 | 7 PCB-5/8 | 23.07 | 23.09 | 2.155e4 | 1.322e4 | 1.560 | 1.63 | NO | 1.8800 | 1.8800 |
| 5 | 8 PCB-14 | 24.22 | 24.22 | 1.007e4 | 6.298e3 | 1.560 | 1.80 | NO | 0.89800 | 0.89720 |
| 6 | 9 PCB-11 | 25.45 | 25.46 | 1.105e4 | 7.395e3 | 1.560 | 1.50 | NO | 0.95300 | 0.95265 |
| 7 | 10 PCB-12/13 | 25.82 | 25.89 | 2.118e4 | 1.287e4 | 1.560 | 1.64 | NO | 1.8590 | 1.8590 |
| 8 | 11 PCB-15 | 26.18 | 26.18 | 1.014e4 | 6.264e3 | 1.560 | 1.62 | NO | 0.90300 | 0.90312 |



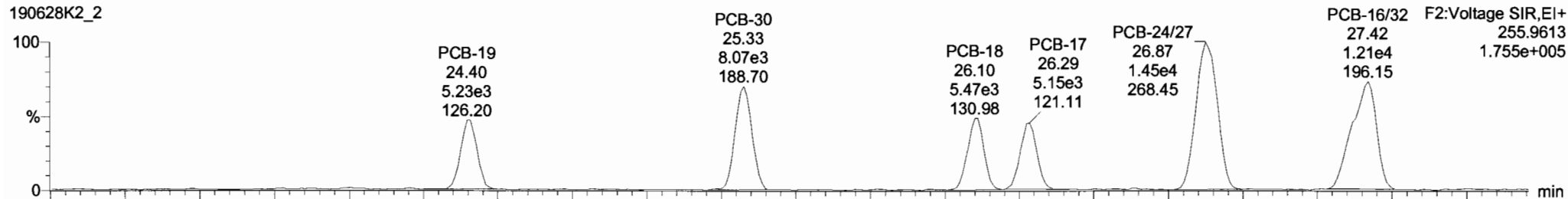
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

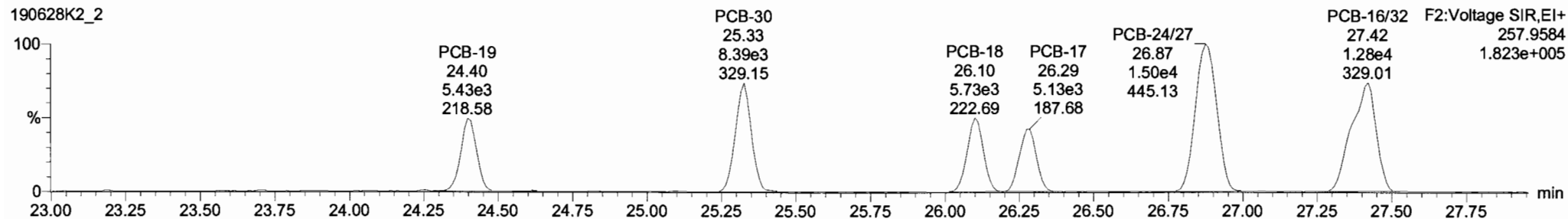
Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-19

190628K2_2

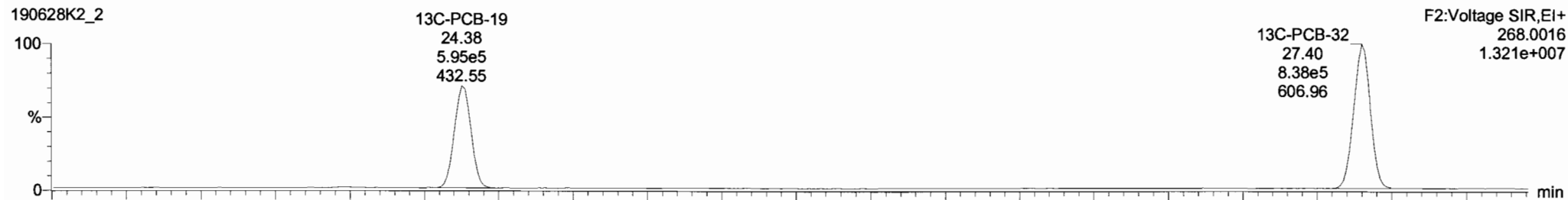


190628K2_2

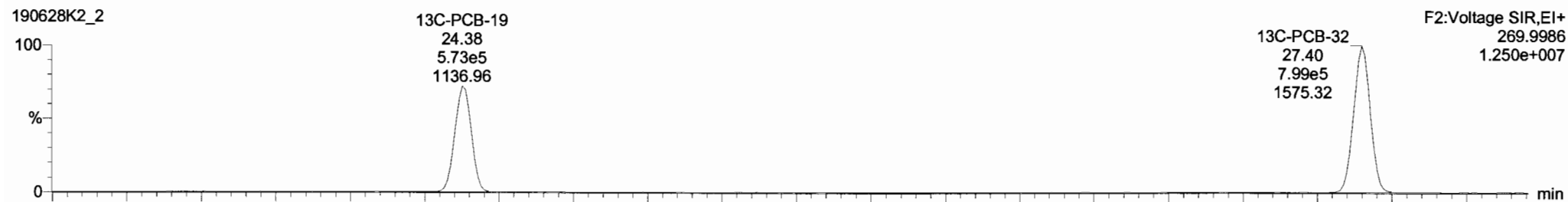


13C-PCB-19

190628K2_2



190628K2_2



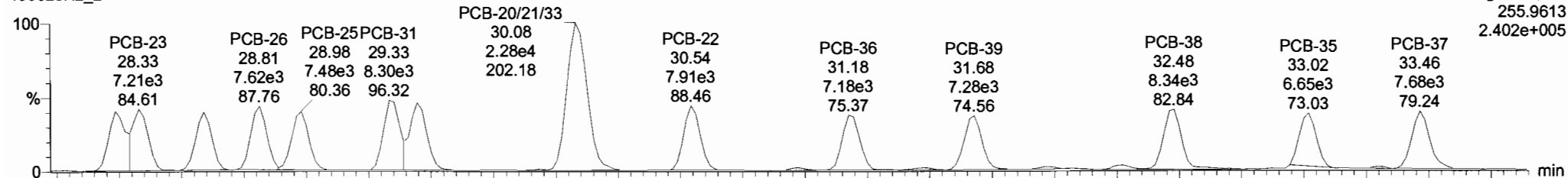
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

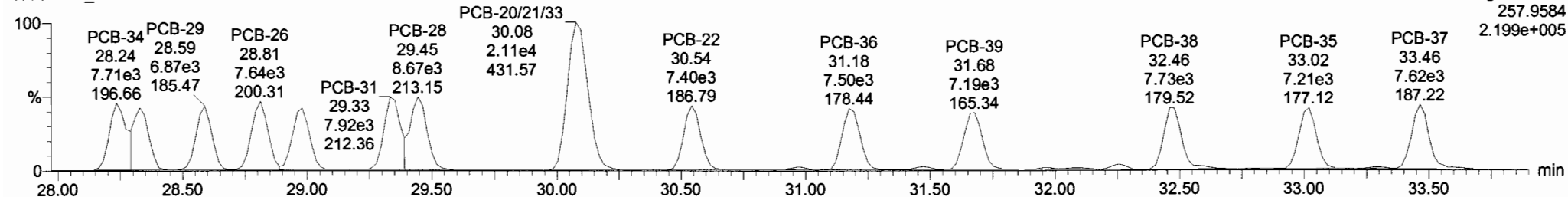
Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-34

190628K2_2

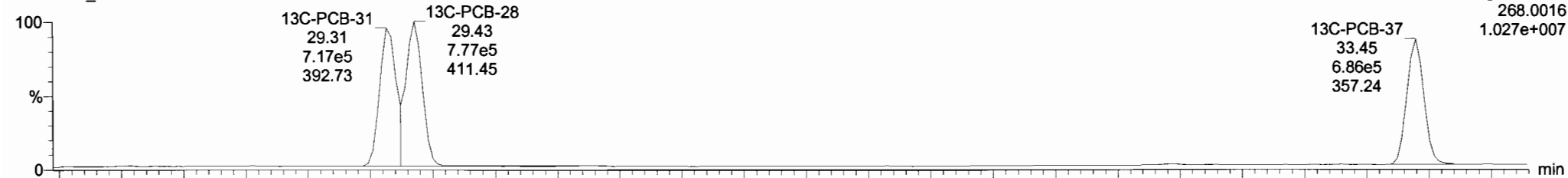


190628K2_2

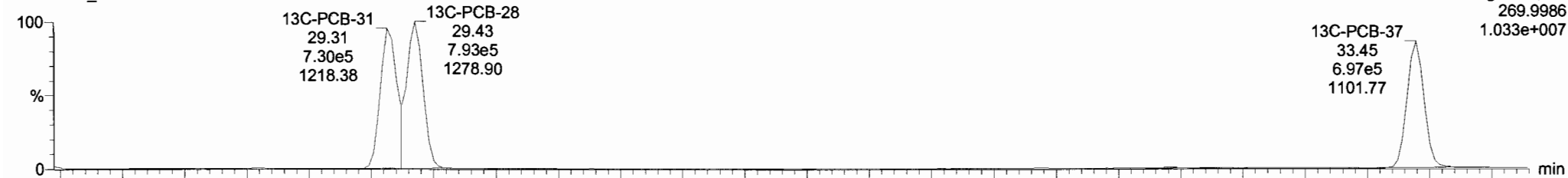


13C-PCB-28

190628K2_2



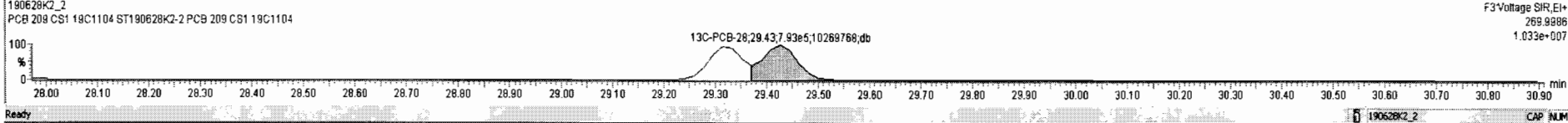
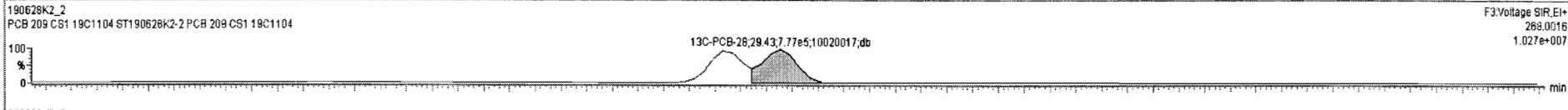
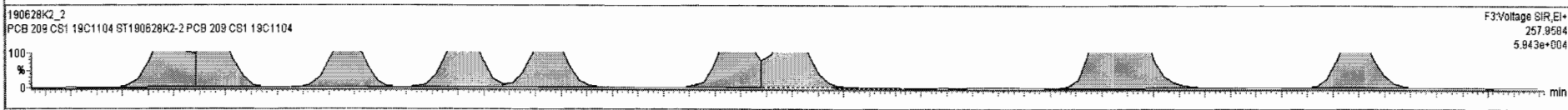
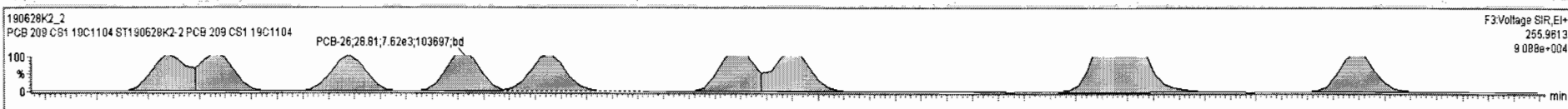
190628K2_2



190628K2_2 - ST190628K2-2 PCB 209 CS1 19C1104 - PCB 209 CS1 19C1104

| # | Name | Resp | RA | nA | RRT | wtAval | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|----|--------|--------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 217 | 217 13C-PCB-128 | 6.11e5 | 1.23 | NO | 1.0000 | 1.000 | 47.32 | 47.32 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0698 | |
| 218 | 218 13C-PCB-182 | 5.90e5 | 0.46 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0546 | |
| 219 | 219 13C-PCB-205 | 7.49e5 | 0.88 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0506 | |
| 220 | 220 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 97.19 | 97.2 | 0.0754 | |
| 221 | 221 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.8746 | 1.000 | 46.59 | 46.59 | 0.988 | 0.988 | NO | 100.5 | 101 | 0.0616 | |
| 222 | 222 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0454 | 1.000 | 38.48 | 38.47 | 0.968 | 0.968 | NO | 87.82 | 87.8 | 0.0773 | |
| 223 | 223 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0625 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 2.888 | | 0.0184 | 2.889 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 11.23 | | 0.183 | 11.23 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 7.746 | | 0.0647 | 7.745 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0586 | 1.000 | 0.00 | | 0.000 | | NO | 15.09 | | 0.234 | 15.09 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 40.04 | | 1.06 | 40.03 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 39.34 | | 0.435 | 39.34 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 4.729 | | 0.0923 | 4.728 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 13.13 | | 0.0580 | 13.13 |

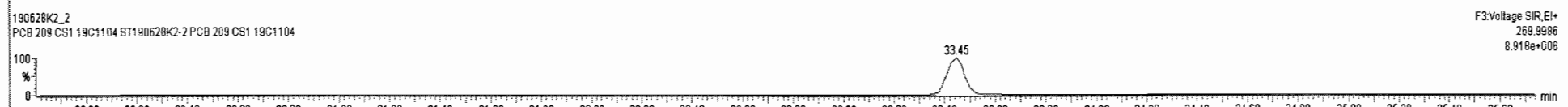
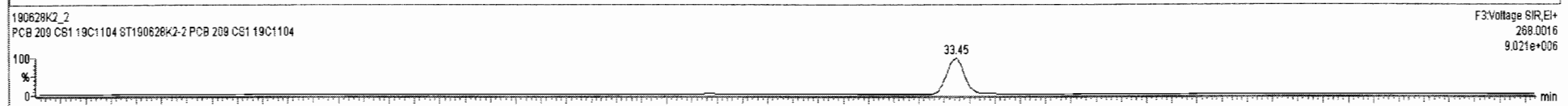
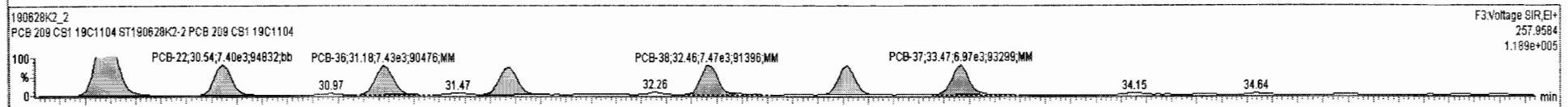
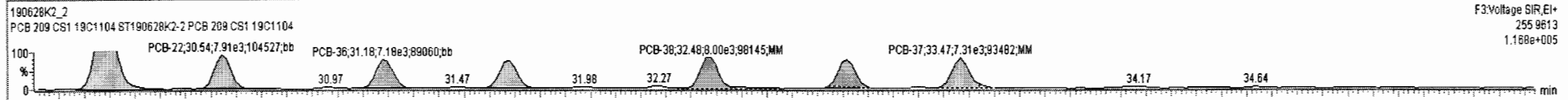
| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | nA | EMPC | Conc. |
|---|-----------------|---------|-------|---------|---------|-----------------|------|----|---------|---------|
| 1 | 18 PCB-34 | 28.24 | 28.24 | 7.493e3 | 7.711e3 | 1.040 | 0.97 | NO | 0.98000 | 0.98085 |
| 2 | 19 PCB-23 | 28.33 | 28.33 | 7.212e3 | 6.573e3 | 1.040 | 1.10 | NO | 0.90100 | 0.90151 |
| 3 | 20 PCB-29 | 28.59 | 28.59 | 6.987e3 | 6.865e3 | 1.040 | 1.02 | NO | 0.92500 | 0.92550 |
| 4 | 21 PCB-26 | 28.81 | 28.81 | 7.620e3 | 7.639e3 | 1.040 | 1.00 | NO | 0.97100 | 0.97082 |
| 5 | 22 PCB-25 | 28.98 | 28.98 | 7.371e3 | 7.195e3 | 1.040 | 1.02 | NO | 0.94900 | 0.94876 |
| 6 | 23 PCB-31 | 29.33 | 29.33 | 8.286e3 | 7.915e3 | 1.040 | 1.05 | NO | 0.92000 | 0.91939 |
| 7 | 24 PCB-28 | 29.44 | 29.44 | 8.850e3 | 8.562e3 | 1.040 | 1.03 | NO | 1.0030 | 1.0029 |
| 8 | 25 PCB-20/21/33 | 30.07 | 30.08 | 2.279e4 | 2.110e4 | 1.040 | 1.08 | NO | 2.7860 | 2.7862 |
| 9 | 26 PCB-22 | 30.53 | 30.54 | 7.909e3 | 7.395e3 | 1.040 | 1.07 | NO | 0.94400 | 0.94373 |



190628K2_2 - ST190628K2-2.PCB 209 CS1 19C1104 - PCB 209 CS1 19C1104

| # | Name | Resp | RA | nly | RRF | wtVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 217 | 13C-PCB-126 | 6.11e5 | 1.23 | NO | 1.0000 | 1.000 | 47.32 | 47.32 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0896 | |
| 218 | 13C-PCB-182 | 5.90e5 | 0.46 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0546 | |
| 219 | 13C-PCB-205 | 7.49e5 | 0.89 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0506 | |
| 220 | 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 97.19 | 97.2 | 0.0754 | |
| 221 | 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 100.5 | 101 | 0.0616 | |
| 222 | 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0454 | 1.000 | 38.48 | 38.47 | 0.988 | 0.988 | NO | 97.92 | 97.9 | 0.0773 | |
| 223 | 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0625 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 2.888 | | 0.0164 | 2.889 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 11.23 | | 0.183 | 11.23 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 7.746 | | 0.0647 | 7.745 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 15.69 | | 0.234 | 15.68 |
| 228 | Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | | 0.000 | | NO | 40.04 | | 1.06 | 40.03 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 39.34 | | 0.435 | 39.34 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 4.729 | | 0.0923 | 4.728 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 13.13 | | 0.0560 | 13.13 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | nly | EMPC | Conc. |
|---|-----------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 18 PCB-34 | 28.24 | 28.24 | 7.493e3 | 7.711e3 | 1.040 | 0.97 | NO | 0.98000 | 0.98085 |
| 2 | 19 PCB-23 | 28.33 | 28.33 | 7.212e3 | 6.573e3 | 1.040 | 1.10 | NO | 0.90100 | 0.90151 |
| 3 | 20 PCB-29 | 28.58 | 28.58 | 6.987e3 | 6.866e3 | 1.040 | 1.02 | NO | 0.92500 | 0.92550 |
| 4 | 21 PCB-26 | 28.81 | 28.81 | 7.620e3 | 7.636e3 | 1.040 | 1.00 | NO | 0.97100 | 0.97082 |
| 5 | 22 PCB-25 | 28.98 | 28.98 | 7.371e3 | 7.195e3 | 1.040 | 1.02 | NO | 0.94900 | 0.94876 |
| 6 | 23 PCB-31 | 29.33 | 29.33 | 8.296e3 | 7.915e3 | 1.040 | 1.05 | NO | 0.92000 | 0.91939 |
| 7 | 24 PCB-28 | 29.44 | 29.44 | 8.850e3 | 8.562e3 | 1.040 | 1.03 | NO | 1.0030 | 1.0029 |
| 8 | 25 PCB-20/21/33 | 30.07 | 30.08 | 2.279e4 | 2.110e4 | 1.040 | 1.08 | NO | 2.7860 | 2.7862 |
| 9 | 26 PCB-22 | 30.53 | 30.54 | 7.909e3 | 7.395e3 | 1.040 | 1.07 | NO | 0.94400 | 0.94373 |



Vista Analytical Laboratory VG-11

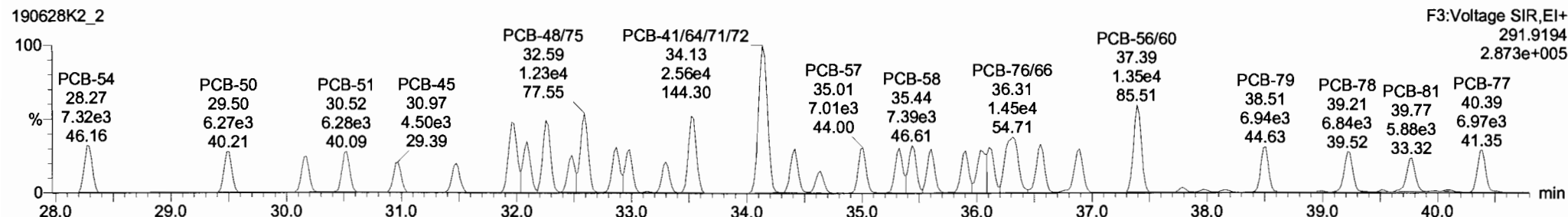
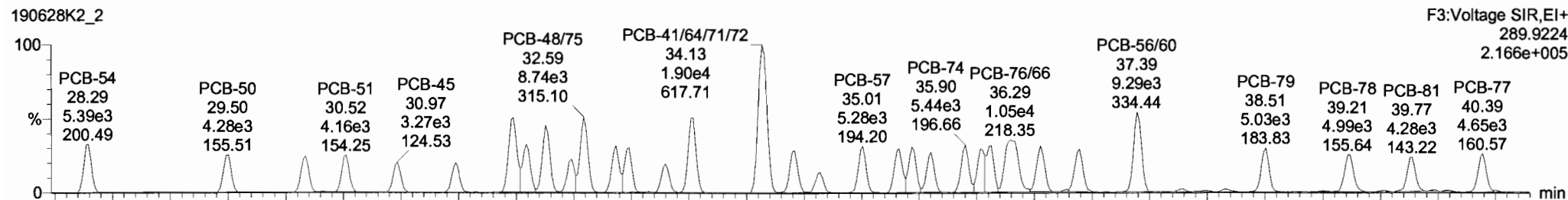
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

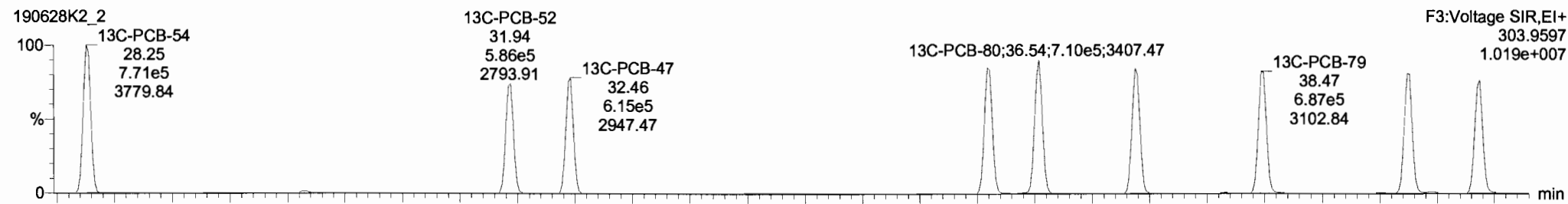
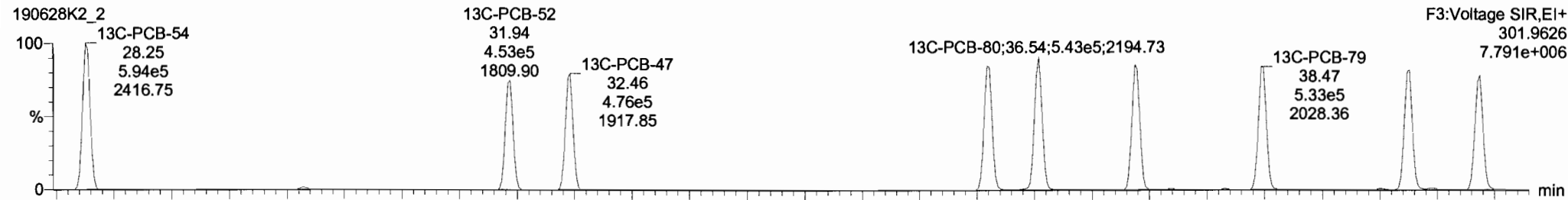
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-54



13C-PCB-54

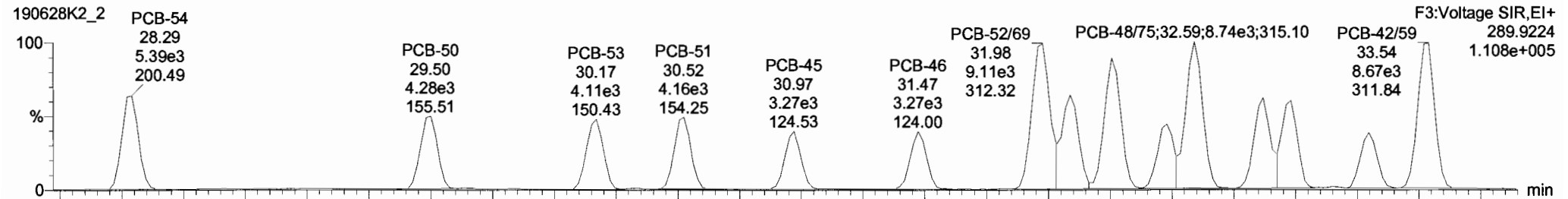


Dataset: Untitled

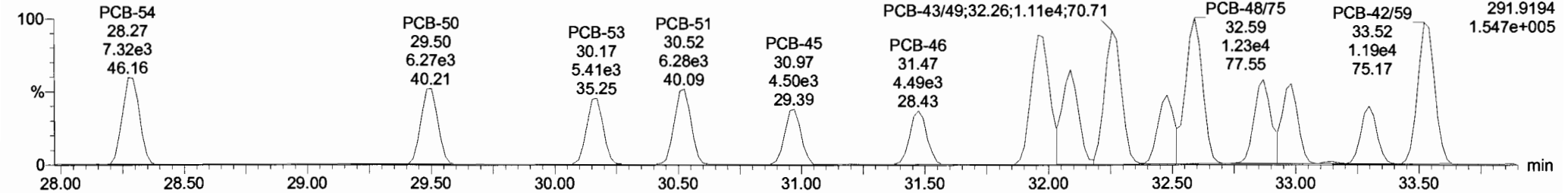
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

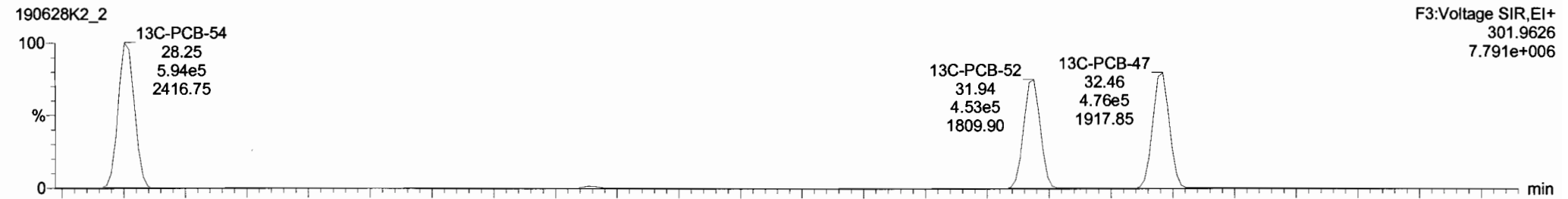
PCB-50



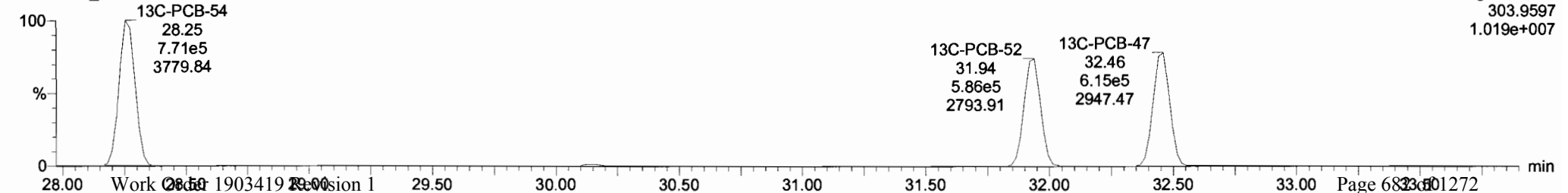
190628K2_2



13C-PCB-52



190628K2_2

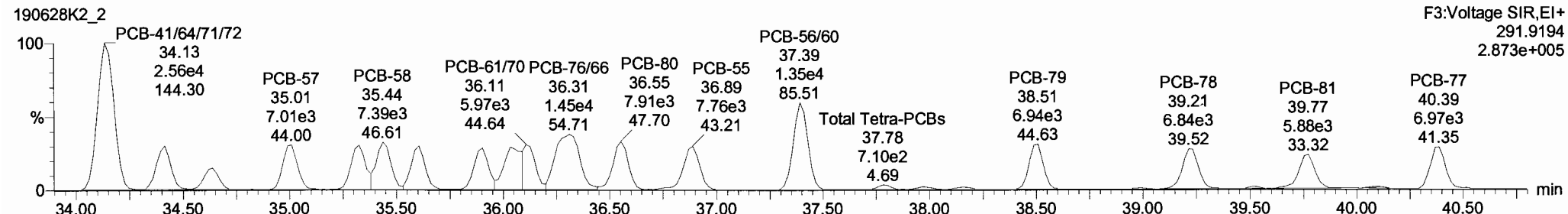
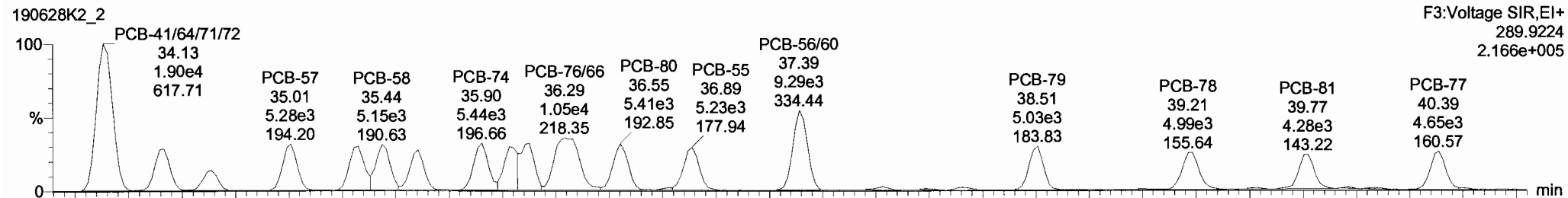


Dataset: Untitled

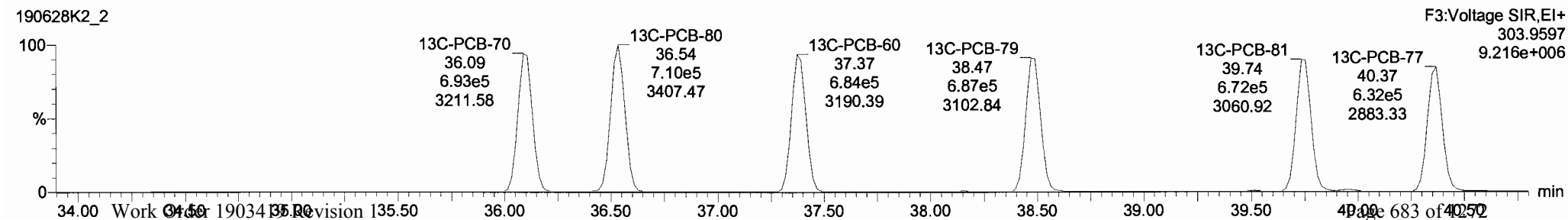
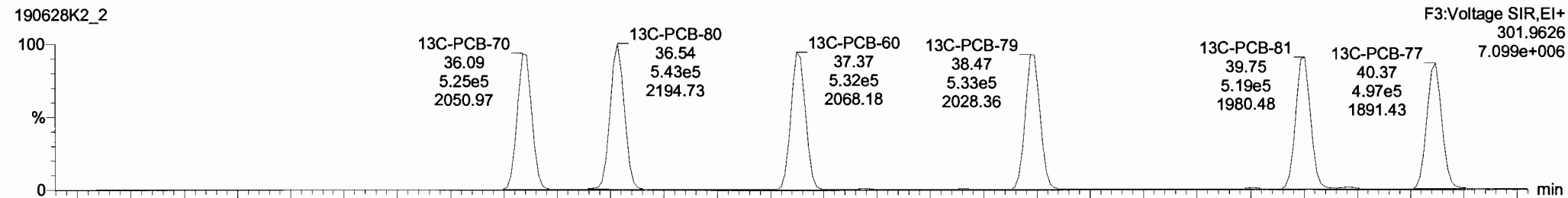
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-68

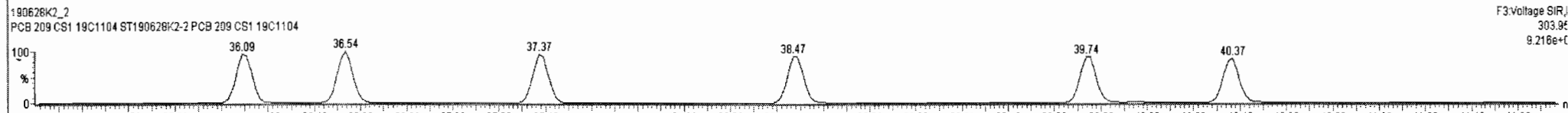
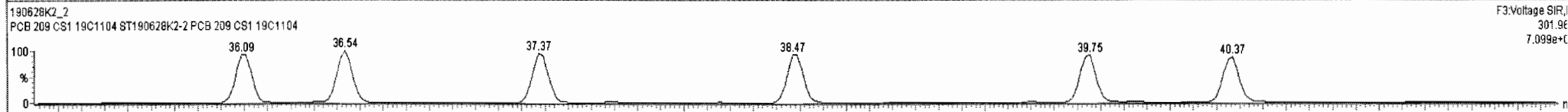
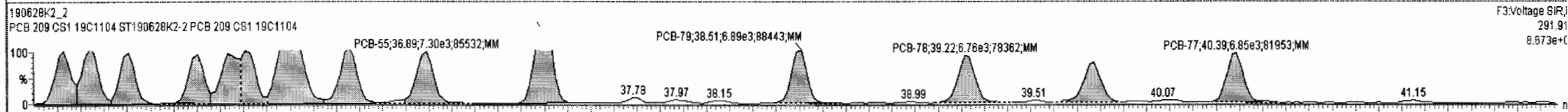
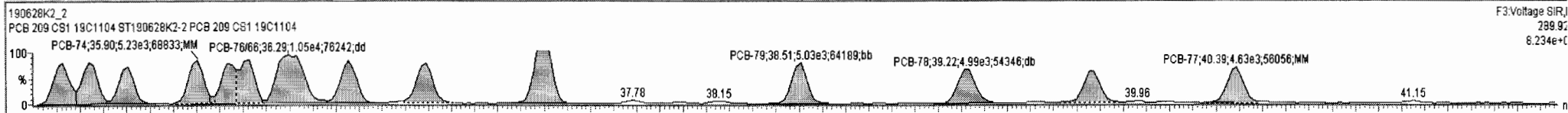


13C-PCB-60



| # | Name | Resp | RA | n/y | RfF | wtAvd | Pred.RT | RT | Pred.R. | RRT | RRT Fal | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|---------|-------|---------|-------|------|--------|-------|
| 217 | 217 13C-PCB-128 | 6.11e5 | 1.23 | NO | 1.0000 | 1.000 | 47.32 | 47.32 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0896 | |
| 218 | 218 13C-PCB-162 | 5.90e5 | 0.46 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0546 | |
| 219 | 219 13C-PCB-205 | 7.49e5 | 0.89 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0506 | |
| 220 | 220 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 97.19 | 97.2 | 0.0754 | |
| 221 | 221 13C-PCB-178 | 5.37e5 | 0.48 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 100.5 | 101 | 0.0616 | |
| 222 | 222 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0454 | 1.000 | 38.48 | 38.47 | 0.968 | 0.968 | NO | 97.92 | 97.9 | 0.0773 | |
| 223 | 223 13C-PCB-178 | 5.37e5 | 0.48 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0625 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | | | NO | 2.888 | | 0.0184 | 2.889 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | | | NO | 11.23 | | 0.183 | 11.23 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | | | NO | 7.746 | | 0.0647 | 7.745 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0586 | 1.000 | 0.00 | 0.000 | | | NO | 15.09 | | 0.234 | 15.09 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | 0.000 | | | NO | 40.04 | | 1.06 | 40.03 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.000 | | | NO | 39.34 | | 0.435 | 39.34 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 32 PCB-54 | 28.27 | 28.29 | 5.394e3 | 7.318e3 | 0.770 | 0.74 | NO | 0.93600 | 0.93570 |
| 2 | 33 PCB-50 | 29.49 | 29.50 | 4.278e3 | 6.268e3 | 0.770 | 0.68 | NO | 0.99000 | 0.98938 |
| 3 | 34 PCB-53 | 30.18 | 30.17 | 4.108e3 | 5.414e3 | 0.770 | 0.76 | NO | 0.95900 | 0.95934 |
| 4 | 35 PCB-51 | 30.53 | 30.52 | 4.155e3 | 6.282e3 | 0.770 | 0.66 | NO | 0.98100 | 0.98112 |
| 5 | 36 PCB-45 | 30.97 | 30.97 | 3.269e3 | 4.501e3 | 0.770 | 0.73 | NO | 0.92600 | 0.92527 |
| 6 | 37 PCB-46 | 31.47 | 31.47 | 3.272e3 | 4.487e3 | 0.770 | 0.73 | NO | 0.99000 | 0.99071 |
| 7 | 38 PCB-52/69 | 31.98 | 31.98 | 9.107e3 | 1.179e4 | 0.770 | 0.77 | NO | 1.8410 | 1.8413 |



Vista Analytical Laboratory VG-11

Dataset: Untitled

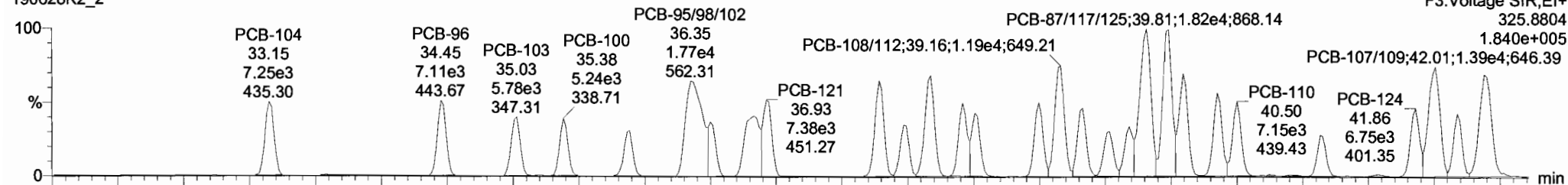
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

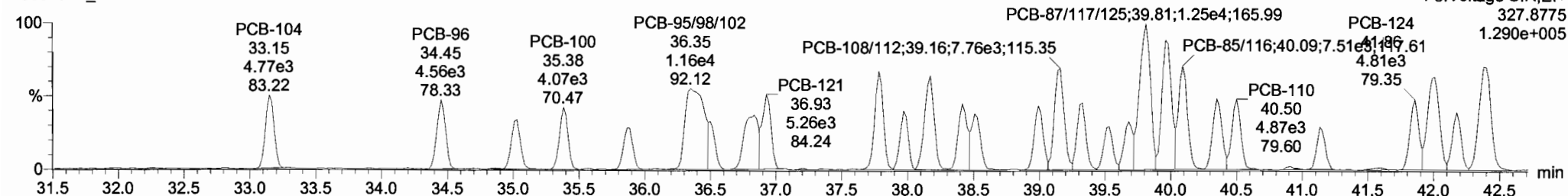
Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-104

190628K2_2

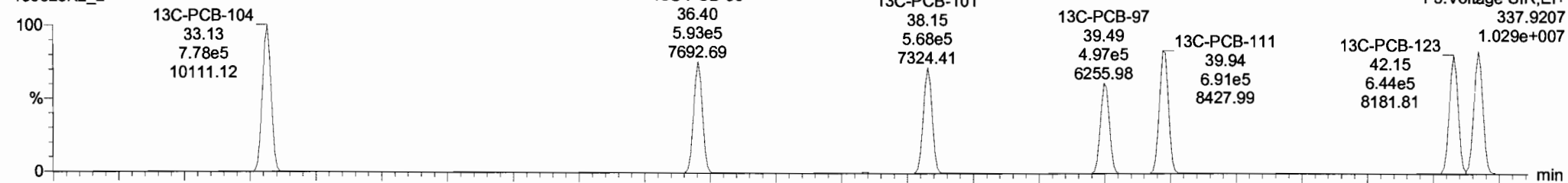


190628K2_2

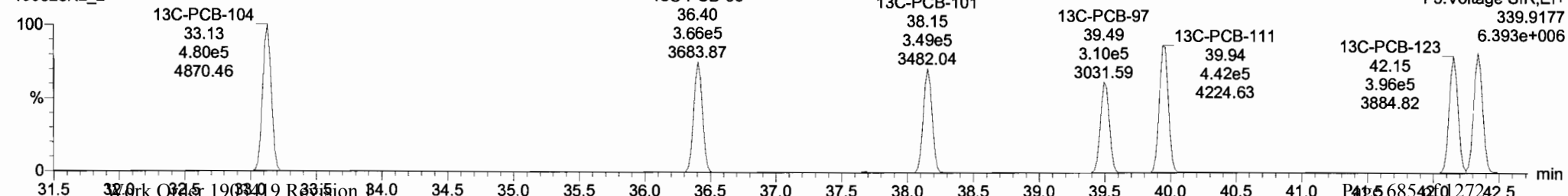


13C-PCB-104

190628K2_2



190628K2_2



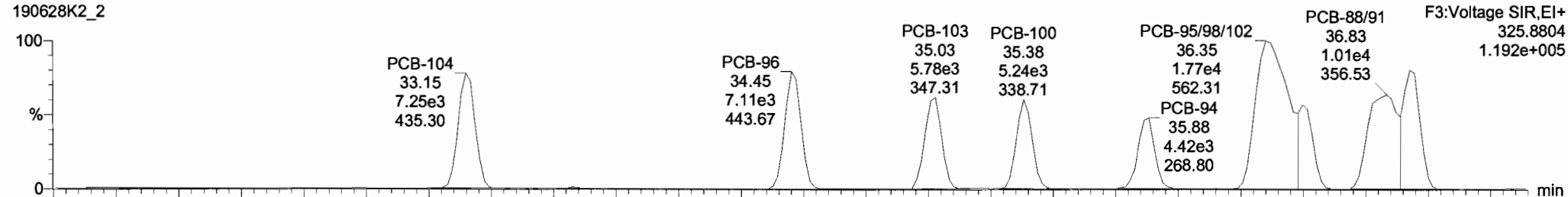
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

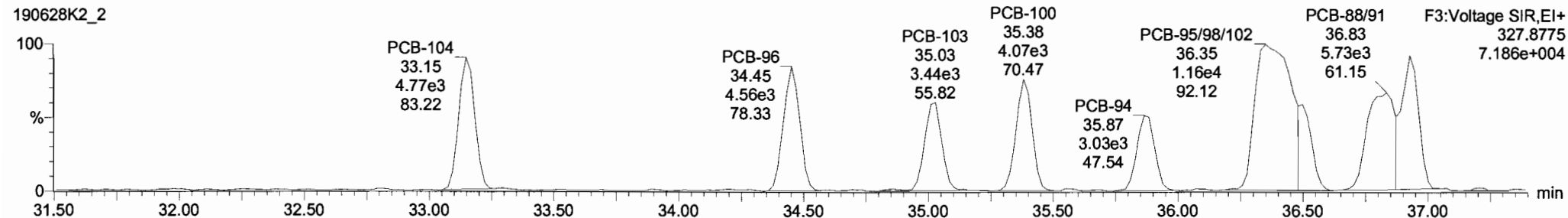
Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-96

190628K2_2

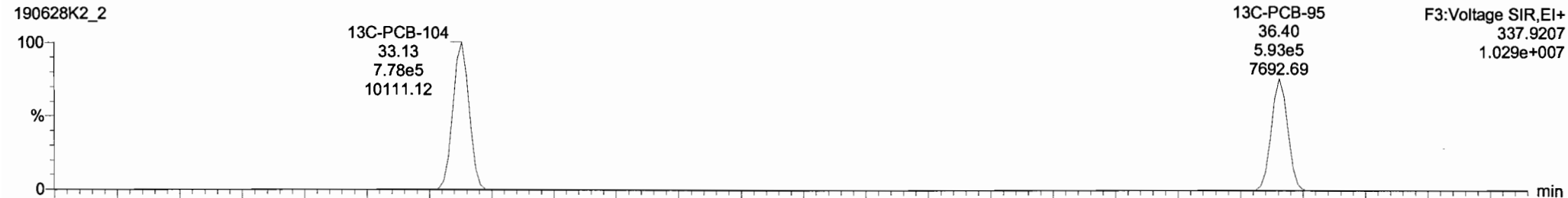


190628K2_2



13C-PCB-95

190628K2_2

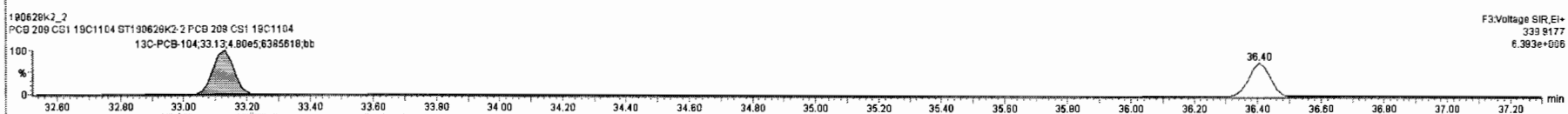
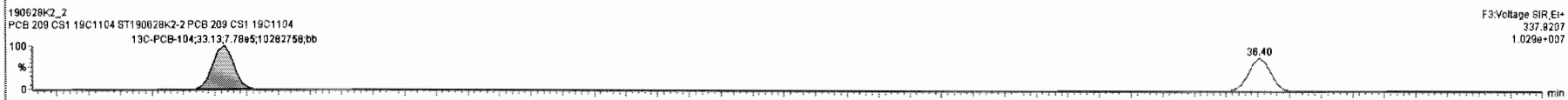
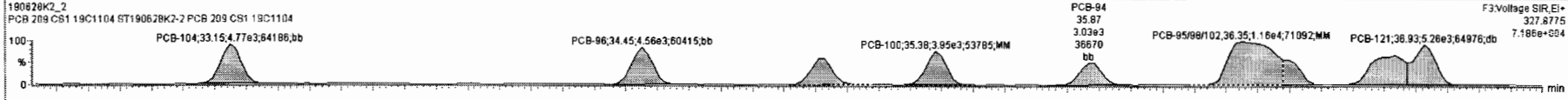
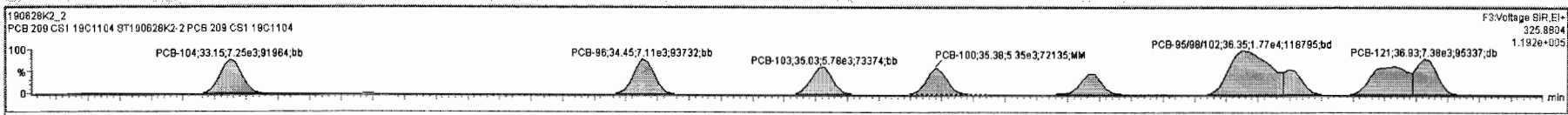


190628K2_2



| # | Name | Resp | RA | n/y | Ref | WAVG | Pred RT | RT | Pred R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|-----------|-------|----------|-------|------|--------|-------|
| 217 | 13C-PCB-128 | 6.11e5 | 1.23 | NO | 1.0000 | 1.000 | 47.32 | 47.32 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0896 | |
| 218 | 13C-PCB-182 | 5.90e5 | 0.46 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0546 | |
| 219 | 13C-PCB-205 | 7.49e5 | 0.89 | NO | 1.0000 | 1.000 | 55.80 | 55.80 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0506 | |
| 220 | 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 97.19 | 97.2 | 0.0754 | |
| 221 | 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 100.5 | 101 | 0.0816 | |
| 222 | 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0454 | 1.000 | 38.48 | 38.47 | 0.988 | 0.988 | NO | 97.92 | 97.9 | 0.0773 | |
| 223 | 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0825 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 2.888 | | 0.0184 | 2.888 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 11.23 | | 0.183 | 11.23 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 7.746 | | 0.0647 | 7.745 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0566 | 1.000 | 0.00 | | 0.000 | | NO | 15.09 | | 0.234 | 15.09 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 40.04 | | 1.06 | 40.03 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 39.34 | | 0.435 | 39.34 |

| # | Name | Pred RT | RT | Int Resp | m2 Resp | 1 st Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|------------------|---------|-------|----------|---------|------------------------------|------|-----|---------|---------|
| 1 | 84 PCB-104 | 33.15 | 33.15 | 7.249e3 | 4.773e3 | 1.580 | 1.52 | NO | 0.96000 | 0.96035 |
| 2 | 65 PCB-96 | 34.47 | 34.45 | 7.109e3 | 4.563e3 | 1.580 | 1.56 | NO | 0.93100 | 0.93133 |
| 3 | 66 PCB-103 | 35.03 | 35.03 | 5.782e3 | 3.424e3 | 1.580 | 1.89 | NO | 0.94400 | 0.94463 |
| 4 | 67 PCB-100 | 35.40 | 35.38 | 5.346e3 | 3.952e3 | 1.580 | 1.35 | NO | 0.95000 | 0.95000 |
| 5 | 68 PCB-94 | 35.89 | 35.88 | 4.421e3 | 3.029e3 | 1.580 | 1.46 | NO | 1.00500 | 1.0045 |
| 6 | 69 PCB-95/98/102 | 36.38 | 36.35 | 1.789e4 | 1.162e4 | 1.580 | 1.52 | NO | 3.0120 | 3.0118 |
| 7 | 70 PCB-93 | 36.51 | 36.50 | 4.312e3 | 2.512e3 | 1.580 | 1.72 | NO | 0.84700 | 0.84628 |

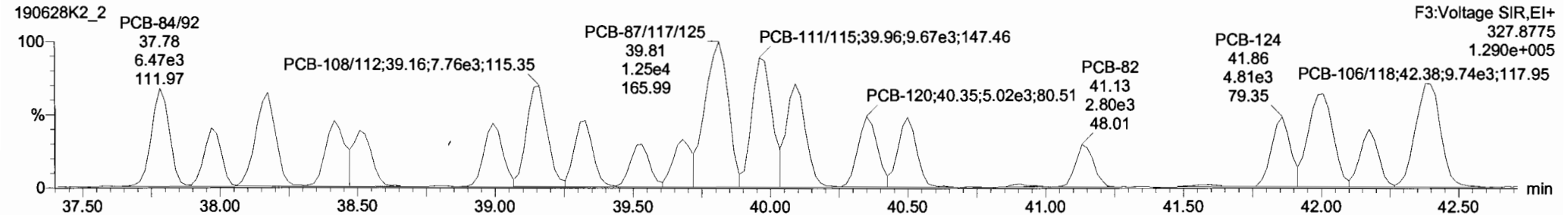
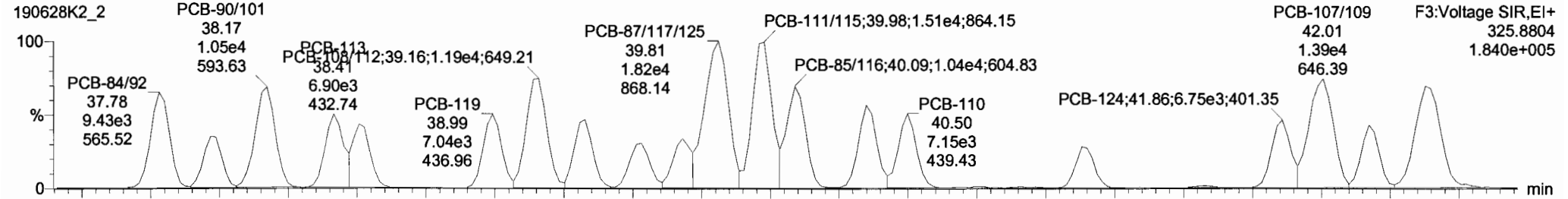


Dataset: Untitled

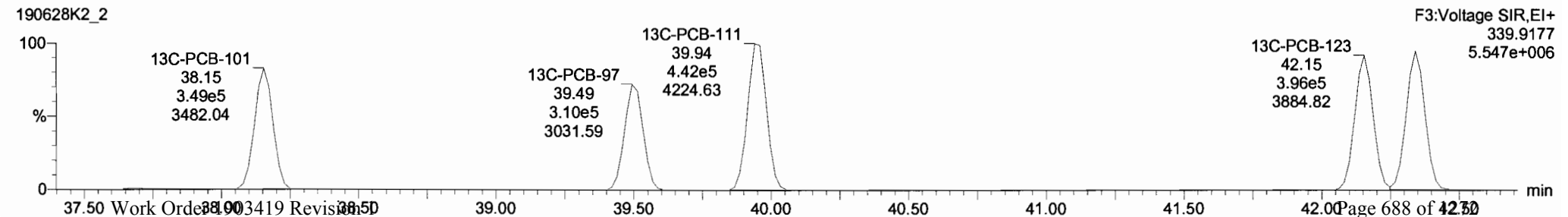
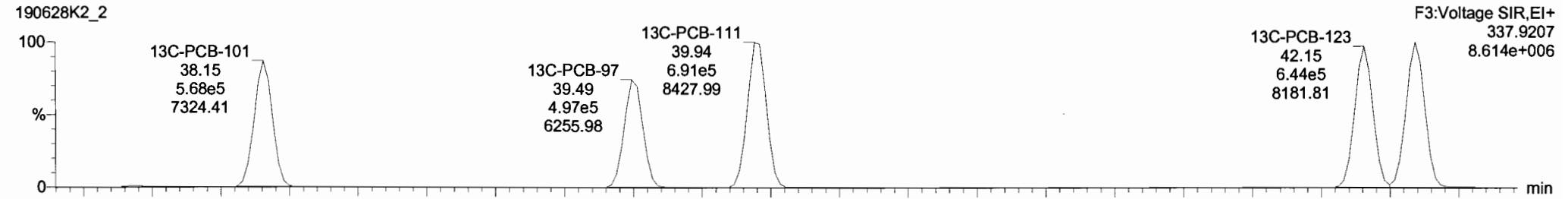
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-119



13C-PCB-111



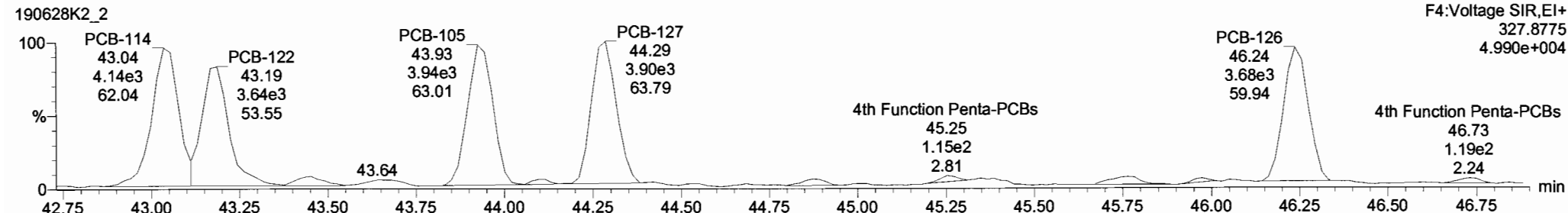
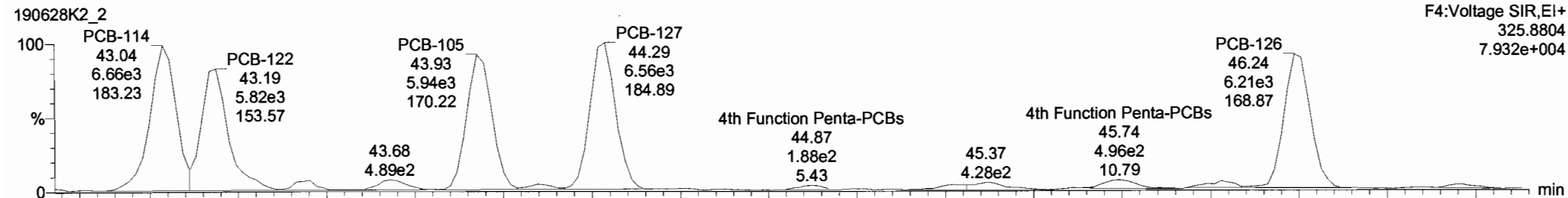
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

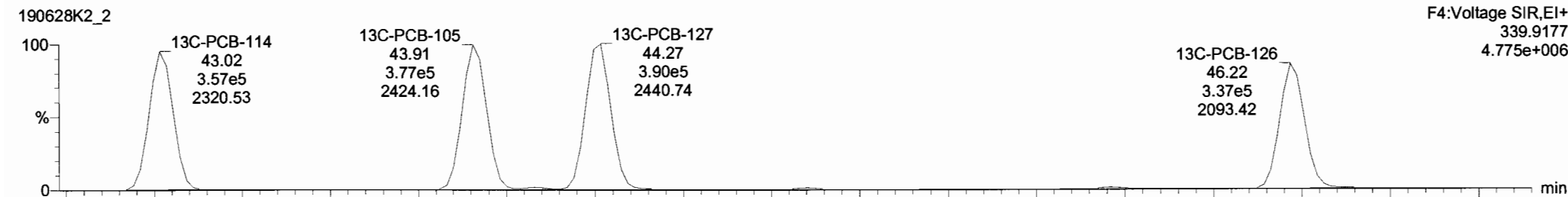
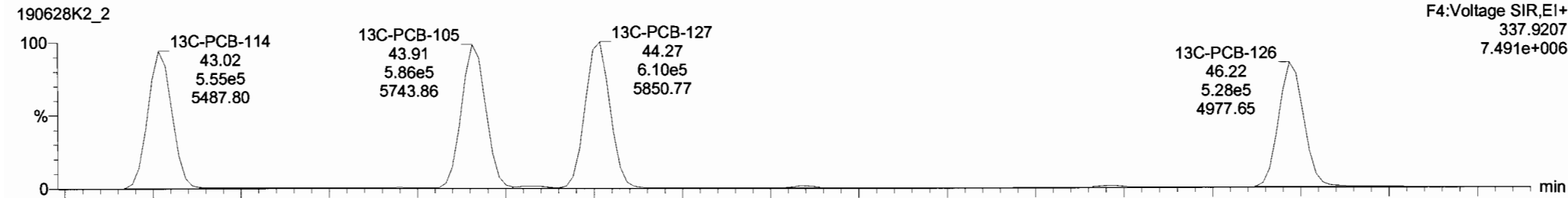
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-114



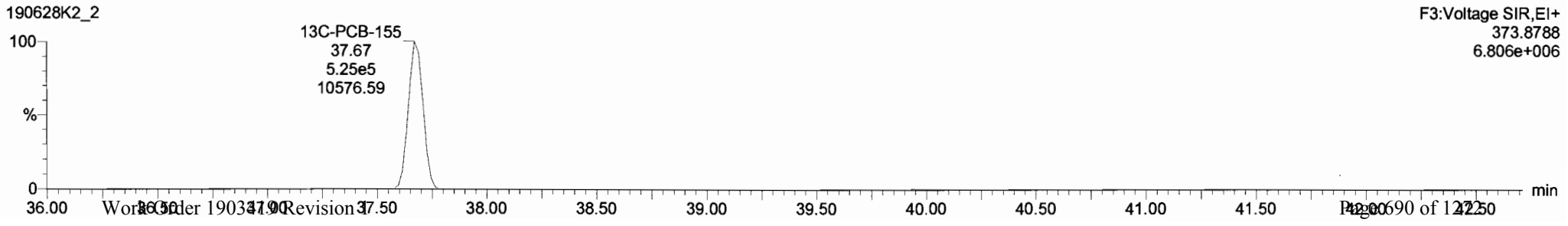
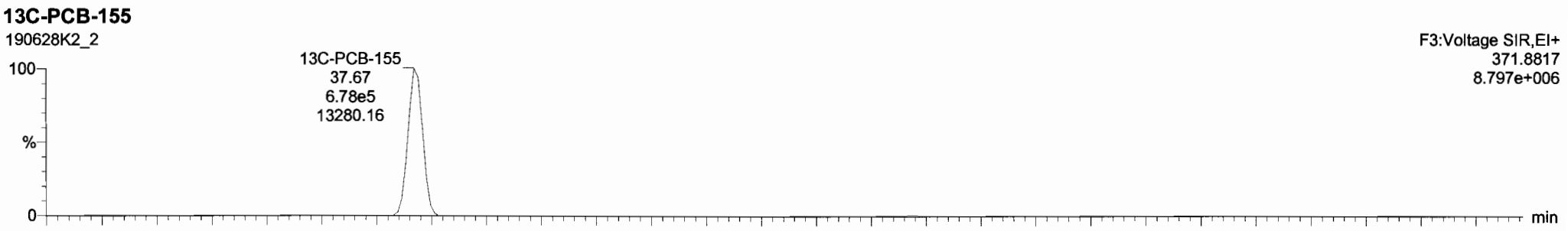
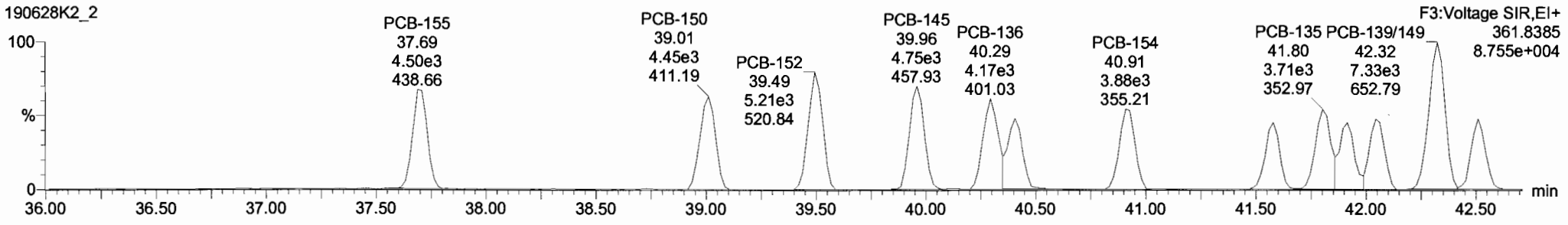
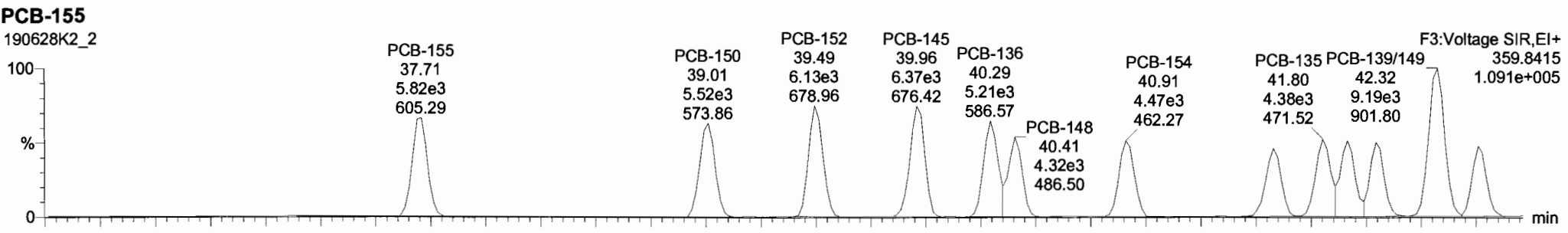
13C-PCB-114



Dataset: Untitled

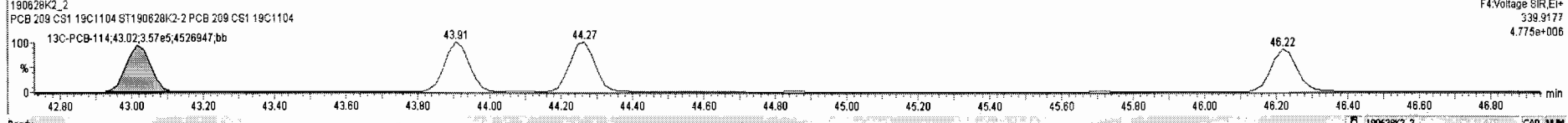
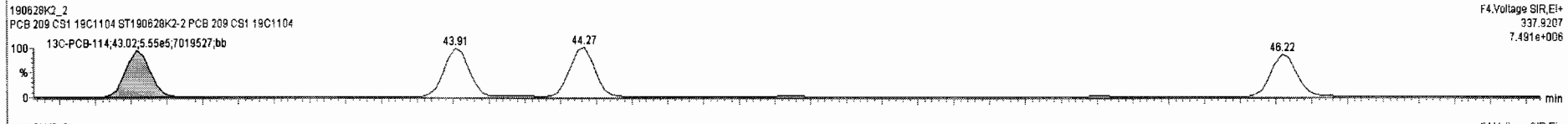
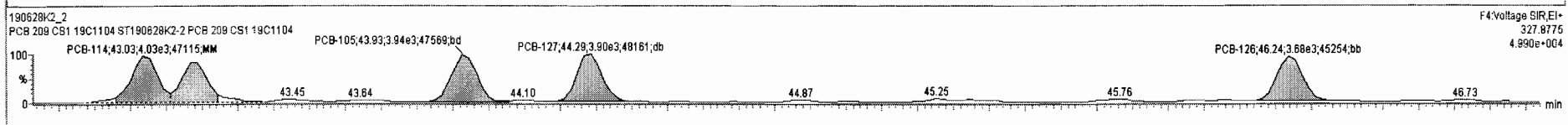
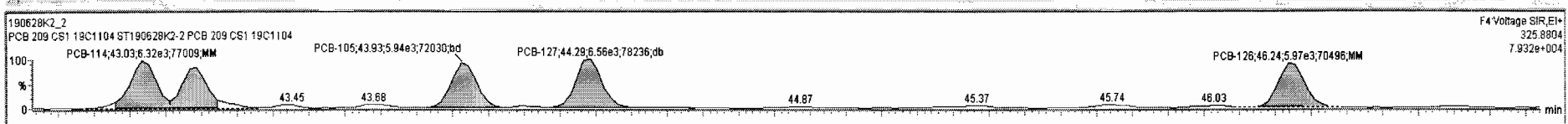
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104



| # | Name | Resp | RA | Inj | RRF | wtAvt | Pred.RT | RT | Pred.R | RRT | RRT Fw | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|--------|-------|------|--------|-------|
| 217 | 217 13C-PCB-126 | 6.11e5 | 1.23 | NO | 1.0000 | 1.000 | 47.32 | 47.32 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0096 | |
| 218 | 218 13C-PCB-162 | 5.90e5 | 0.46 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0546 | |
| 219 | 219 13C-PCB-205 | 7.49e5 | 0.89 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0506 | |
| 220 | 220 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0320 | 1.000 | 38.47 | 38.47 | 1.029 | 1.029 | NO | 97.19 | 97.2 | 0.0754 | |
| 221 | 221 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 100.5 | 101 | 0.0616 | |
| 222 | 222 13C-PCB-79 | 1.22e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.988 | 0.988 | NO | 97.92 | 97.9 | 0.0773 | |
| 223 | 223 13C-PCB-178 | 5.37e5 | 0.46 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0625 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 2.888 | | 0.0184 | 2.889 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 11.23 | | 0.183 | 11.23 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 7.746 | | 0.0647 | 7.745 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0588 | 1.000 | 0.00 | | 0.000 | | NO | 15.08 | | 0.234 | 15.08 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 40.04 | | 1.06 | 40.03 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 39.34 | | 0.435 | 39.34 |

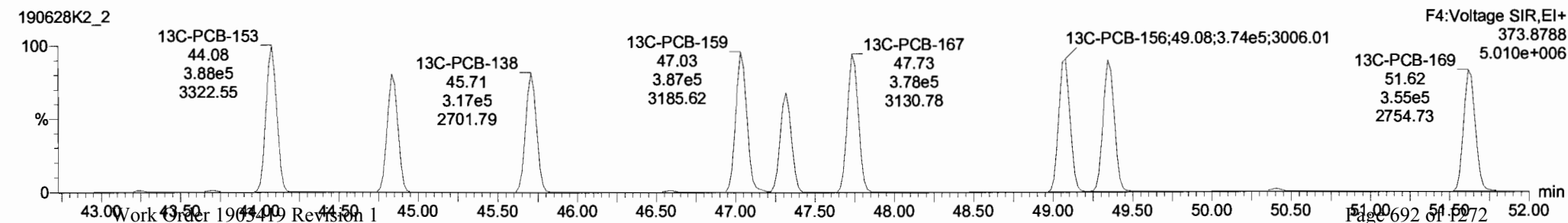
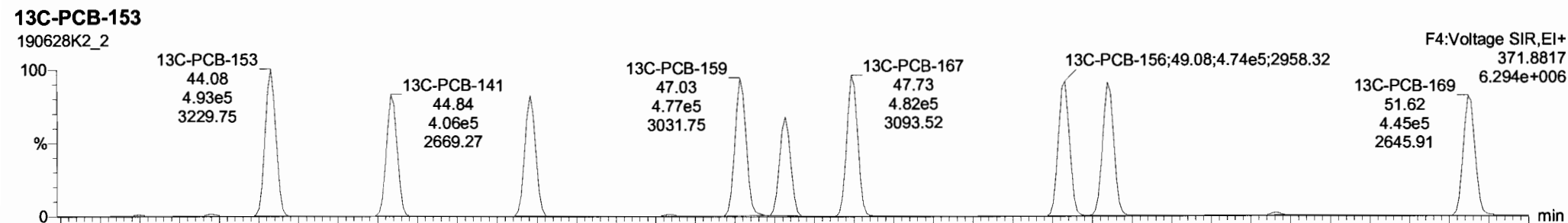
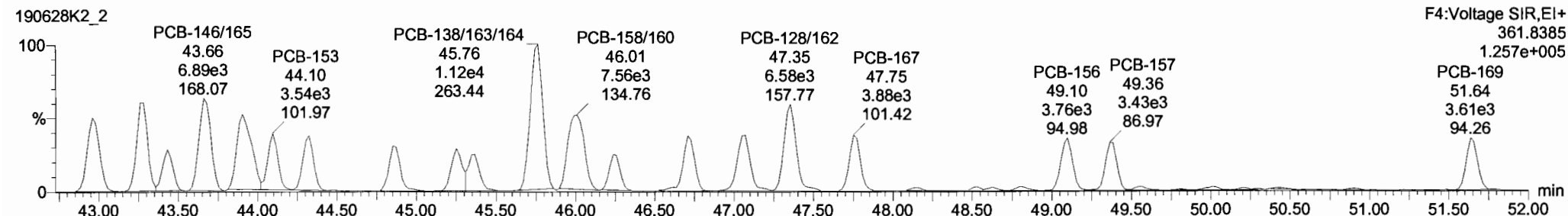
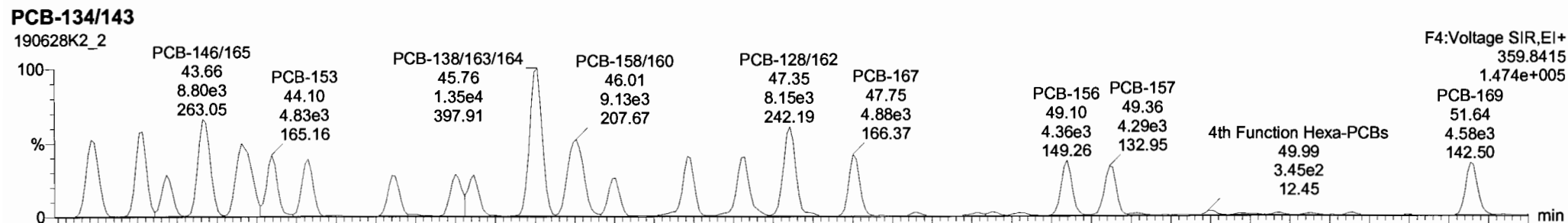
| # | Name | Pred.RT | RT | Int Resp | m2 Resp | 1° Ratio (Pred) | RA | Inj | EMPC | Conc. |
|---|------------|---------|-------|----------|---------|-----------------|------|-----|---------|---------|
| 1 | 83 PCB-114 | 43.04 | 43.03 | 6.317e3 | 4.033e3 | 1.560 | 1.57 | NO | 0.97700 | 0.97702 |
| 2 | 94 PCB-122 | 43.17 | 43.19 | 5.113e3 | 3.358e3 | 1.560 | 1.52 | NO | 0.95500 | 0.95505 |
| 3 | 95 PCB-105 | 43.92 | 43.93 | 5.940e3 | 3.943e3 | 1.550 | 1.51 | NO | 0.93200 | 0.93241 |
| 4 | 96 PCB-127 | 44.26 | 44.29 | 6.559e3 | 3.900e3 | 1.560 | 1.68 | NO | 0.94300 | 0.94322 |
| 5 | 97 PCB-126 | 46.24 | 46.24 | 5.965e3 | 3.685e3 | 1.560 | 1.62 | NO | 0.92100 | 0.92097 |



Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

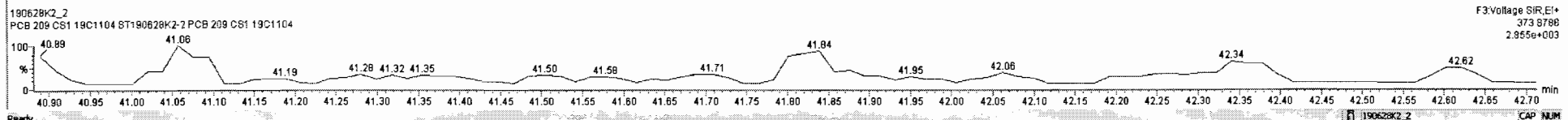
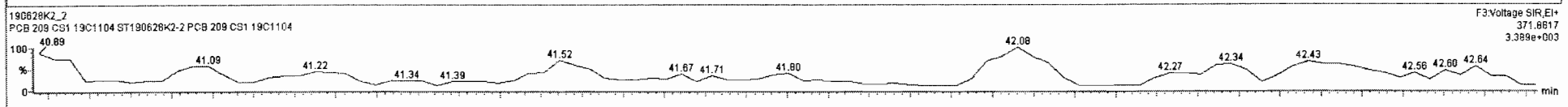
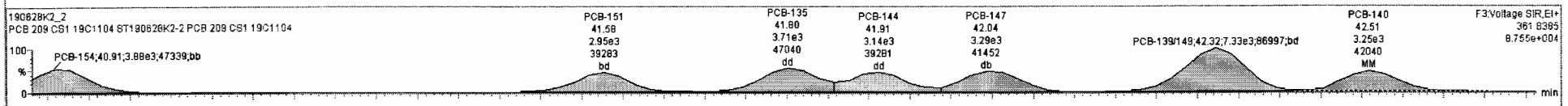
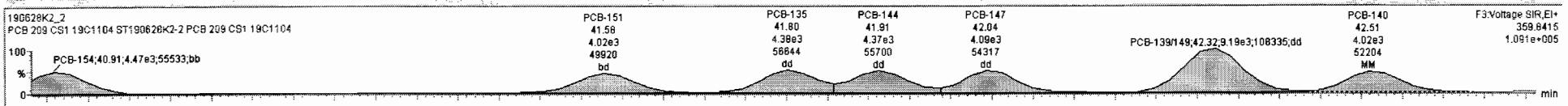
Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104



190628K2_2 - ST190628K2-2 PCB 209 CS1 19C1104 - PCB 209 CS1 19C1104

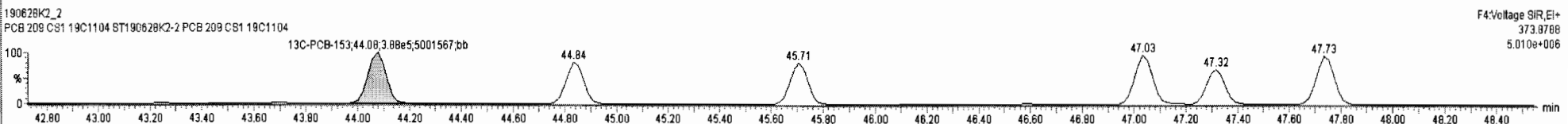
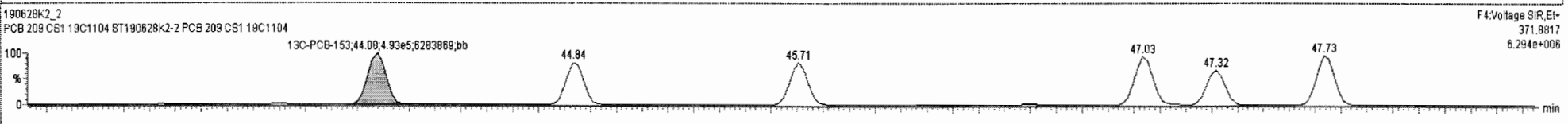
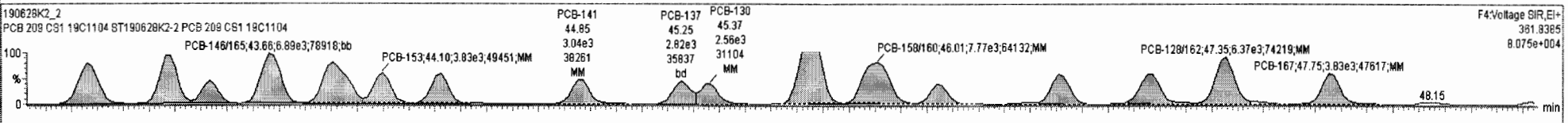
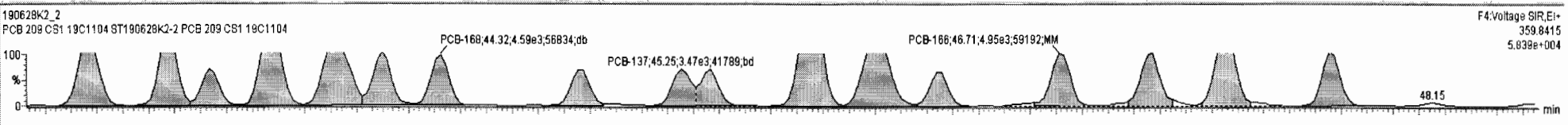
| # | Name | Resp | RA | n/y | RRF | WtVcl | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------------|------|----|-----|--------|-------|---------|----|--------|-----|----------|-------|------|---------|--------|
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 13.13 | | 0.0560 | 13.43 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9712 | 1.000 | 0.00 | | 0.000 | | NO | 26.41 | | 0.343 | 26.41 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 23.33 | | 0.252 | 23.33 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8663 | 1.000 | 0.00 | | 0.000 | | NO | 8.388 | | 0.0624 | 8.388 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 2.798 | | 0.0428 | 2.798 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 2.913 | | 0.0171 | 2.913 |
| 237 | 237 Deca-CB | | | | 0.9426 | 1.000 | 0.00 | | 0.000 | | NO | 1.017 | | 0.00426 | 1.017 |
| 238 | 238 Total PCBs | | | | | | | | | | | | | | |
| 239 | 239 Total Mono-Isotopes | | | | | | | | | | | | | | |
| 240 | 240 Total Di-Isotopes | | | | | | | | | | | | | | |
| 241 | 241 2nd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 242 | 242 3rd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 243 | 243 Tetra-Isotopes | | | | 0.9849 | 1.000 | 0.00 | | 1.000 | | NO | 895.3 | | 0.715 | 0.0000 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 98 PCB-155 | 37.68 | 37.71 | 5.821e3 | 4.501e3 | 1.240 | 1.29 | NO | 0.98200 | 0.98172 |
| 2 | 99 PCB-150 | 38.99 | 39.01 | 5.516e3 | 4.445e3 | 1.240 | 1.24 | NO | 0.94000 | 0.93990 |
| 3 | 100 PCB-152 | 39.48 | 39.49 | 6.130e3 | 5.211e3 | 1.240 | 1.18 | NO | 0.93800 | 0.93826 |
| 4 | 101 PCB-145 | 39.85 | 39.86 | 6.375e3 | 4.752e3 | 1.240 | 1.34 | NO | 0.92500 | 0.92490 |
| 5 | 102 PCB-136 | 40.28 | 40.29 | 5.210e3 | 4.167e3 | 1.240 | 1.25 | NO | 0.92400 | 0.92407 |
| 6 | 103 PCB-148 | 40.38 | 40.41 | 4.316e3 | 3.323e3 | 1.240 | 1.30 | NO | 0.91600 | 0.91559 |
| 7 | 104 PCB-154 | 40.90 | 40.91 | 4.466e3 | 3.880e3 | 1.240 | 1.15 | NO | 0.95900 | 0.95798 |



| # | Name | Resp | RA | n/y | RFF | wt/Vol | Pred.RT | RT | Pred.R. | RRT | RRT Fail | Conc. | %Rec. | DL | EMPC |
|-----|---------------------------|------|----|-----|--------|--------|---------|-------|---------|-----|----------|-------|-------|---------|--------|
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 13.13 | | 0.0560 | 13.13 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 26.50 | | 0.343 | 26.50 |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 23.33 | | 0.252 | 23.33 |
| 234 | 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 8.388 | | 0.0624 | 8.388 |
| 235 | 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 2.796 | | 0.0428 | 2.796 |
| 236 | Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 2.913 | | 0.0171 | 2.913 |
| 237 | Deca-CB | | | | 0.9426 | 1.000 | 0.00 | 0.000 | 0.000 | | NO | 1.017 | | 0.00426 | 1.017 |
| 238 | Total PCBs | | | | | | | | | | | | | | |
| 239 | Total Mono-isotopes | | | | | | | | | | | | | | |
| 240 | Total Di-isotopes | | | | | | | | | | | | | | |
| 241 | 2nd Function Tri-isotopes | | | | | | | | | | | | | | |
| 242 | 3rd Function Tri-isotopes | | | | | | | | | | | | | | |
| 243 | Tetra-isotopes | | | | 0.9849 | 1.000 | 0.00 | 1.000 | 0.000 | | NO | 895.3 | | 0.715 | 0.0000 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1*Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------------|---------|-------|---------|---------|----------------|------|-----|---------|---------|
| 1 | 111 PCB-134/143 | 42.96 | 42.96 | 7.044e3 | 5.544e3 | 1.240 | 1.25 | NO | 1.9635 | 1.9635 |
| 2 | 112 PCB-131/133 | 43.26 | 43.26 | 6.844e3 | 6.059e3 | 1.240 | 1.13 | NO | 1.8532 | 1.8532 |
| 3 | 113 PCB-142 | 43.45 | 43.43 | 3.266e3 | 2.618e3 | 1.240 | 1.25 | NO | 0.94301 | 0.94301 |
| 4 | 114 PCB-146/165 | 43.66 | 43.66 | 8.798e3 | 6.891e3 | 1.240 | 1.28 | NO | 1.8557 | 1.8557 |
| 5 | 115 PCB-132/161 | 43.91 | 43.91 | 8.409e3 | 7.294e3 | 1.240 | 1.15 | NO | 1.8289 | 1.8289 |
| 6 | 116 PCB-153 | 44.09 | 44.10 | 4.830e3 | 3.839e3 | 1.240 | 1.26 | NO | 0.97162 | 0.97162 |
| 7 | 117 PCB-168 | 44.30 | 44.32 | 4.588e3 | 3.839e3 | 1.240 | 1.19 | NO | 0.93794 | 0.93794 |

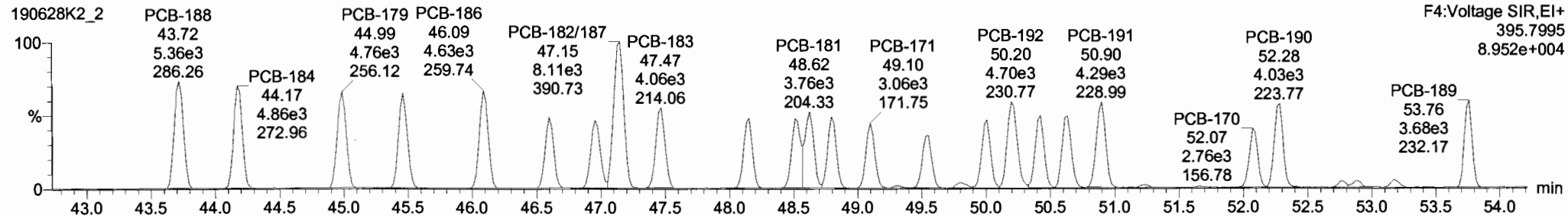
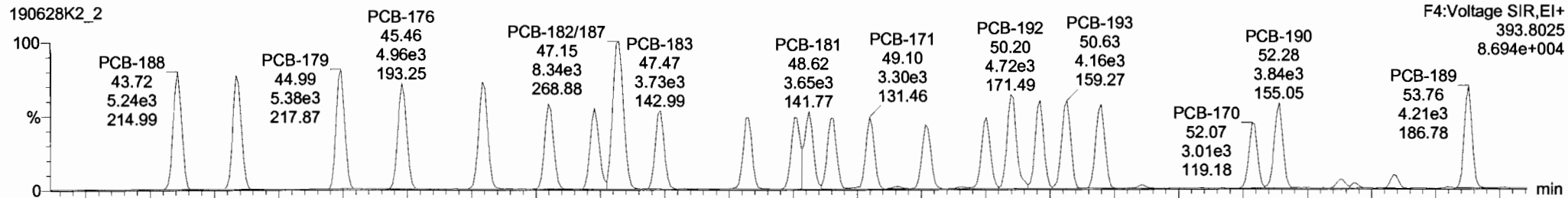


Dataset: Untitled

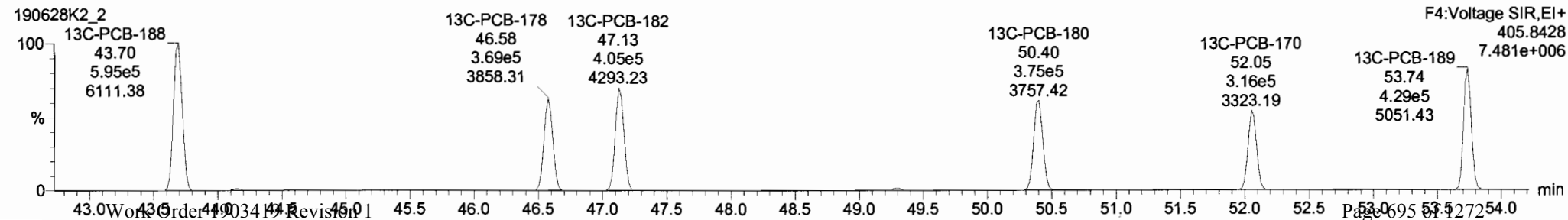
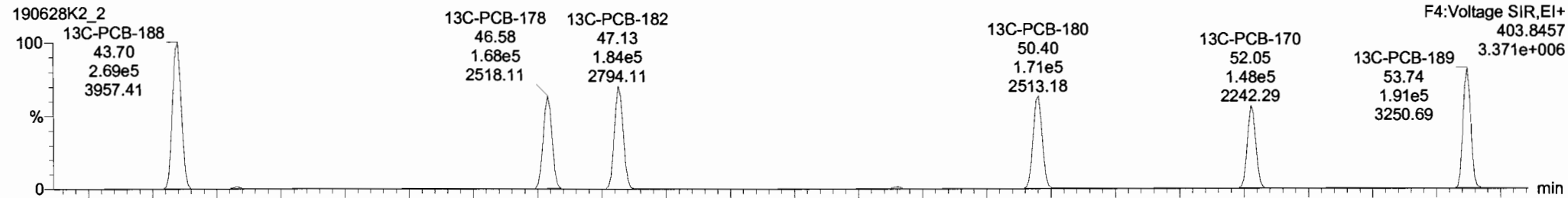
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-188



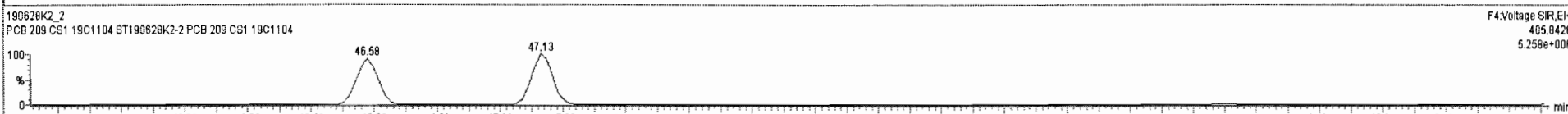
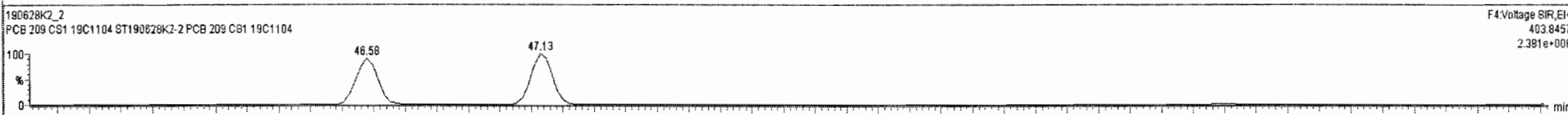
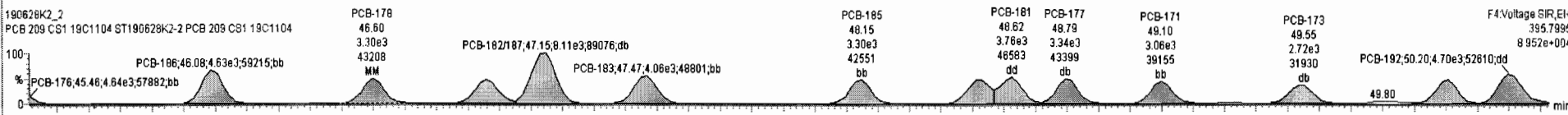
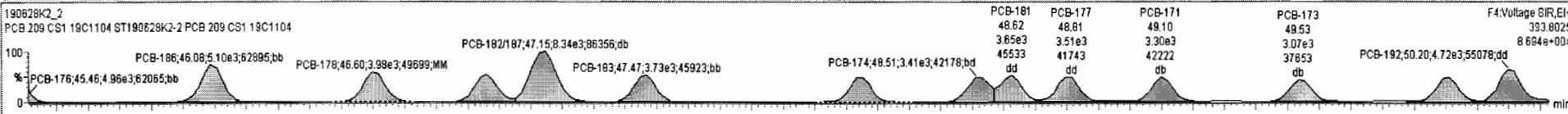
13C-PCB-188



190628K2_2 - ST190628K2-2 PCB 209 CS1 19C1104 - PCB 209 CS1 19C1104

| # | Name | Resp | RA | nLy | RFF | wt/Vol | Pred.RT | RT | Pred.R. | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------|------|----|-----|--------|--------|---------|----|---------|-----|----------|-------|---------|--------|------|
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 13.13 | 0.0560 | 13.13 | |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 26.50 | 0.343 | 26.50 | |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 23.33 | 0.252 | 23.33 | |
| 234 | 4th Function Octa-PCBs | | | | 0.8963 | 1.000 | 0.00 | | 0.000 | | NO | 8.368 | 0.0624 | 8.368 | |
| 235 | 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 2.798 | 0.0428 | 2.798 | |
| 236 | Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 2.913 | 0.0171 | 2.913 | |
| 237 | Deca-CB | | | | 0.9426 | 1.000 | 0.00 | | 0.000 | | NO | 1.017 | 0.00426 | 1.017 | |
| 238 | Total PCBs | | | | | | | | | | | | | | |
| 239 | Total Mono-Isotopes | | | | | | | | | | | | | | |
| 240 | Total Di-Isotopes | | | | | | | | | | | | | | |
| 241 | 2nd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 242 | 3rd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 243 | Tetra-Isotopes | | | | 0.9649 | 1.000 | 0.00 | | 1.000 | | NO | 895.3 | 0.715 | 0.0000 | |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | nLy | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|-----------------|------|-----|---------|---------|
| 1 | 131 PCB-188 | 43.74 | 43.72 | 5.243e3 | 5.363e3 | 1.050 | 0.98 | NO | 1.0294 | 1.0294 |
| 2 | 132 PCB-184 | 44.19 | 44.17 | 5.179e3 | 4.861e3 | 1.050 | 1.07 | NO | 0.99657 | 0.99657 |
| 3 | 133 PCB-179 | 44.99 | 44.99 | 5.377e3 | 4.763e3 | 1.050 | 1.13 | NO | 0.99846 | 0.99846 |
| 4 | 134 PCB-176 | 45.47 | 45.46 | 4.959e3 | 4.639e3 | 1.050 | 1.07 | NO | 0.95841 | 0.95841 |
| 5 | 135 PCB-186 | 46.09 | 46.08 | 5.095e3 | 4.633e3 | 1.050 | 1.10 | NO | 0.92501 | 0.92501 |
| 6 | 136 PCB-178 | 46.61 | 46.60 | 3.976e3 | 3.298e3 | 1.050 | 1.21 | NO | 1.0144 | 1.0144 |
| 7 | 137 PCB-175 | 48.97 | 48.96 | 3.898e3 | 3.555e3 | 1.050 | 1.10 | NO | 1.0171 | 1.0171 |



Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

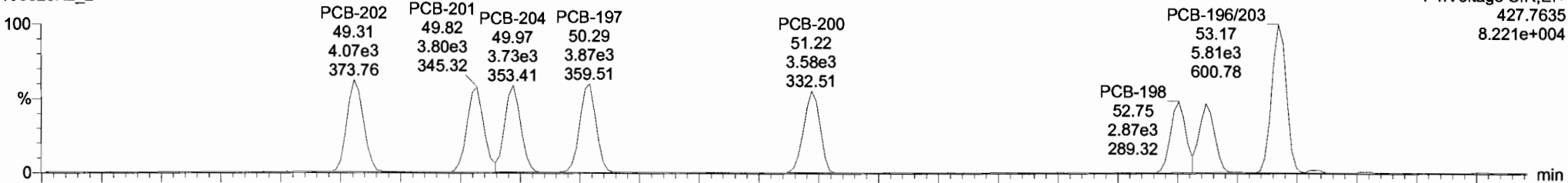
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-202

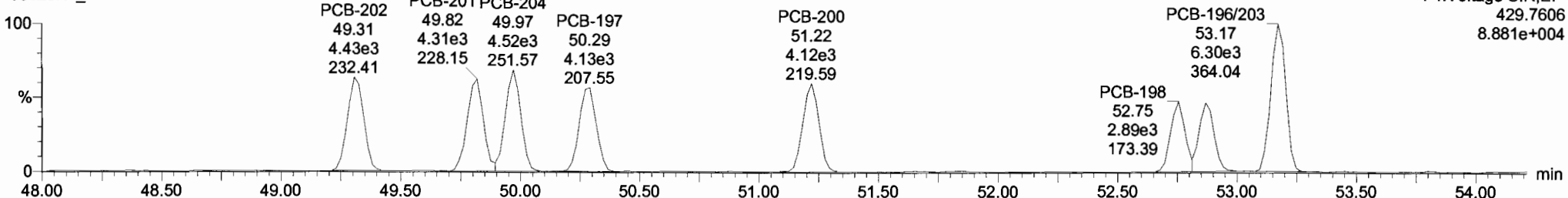
190628K2_2

F4:Voltage SIR,EI+
427.7635
8.221e+004



190628K2_2

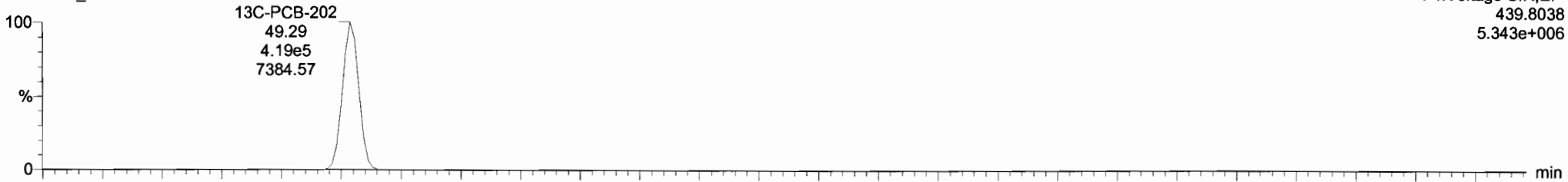
F4:Voltage SIR,EI+
429.7606
8.881e+004



13C-PCB-202

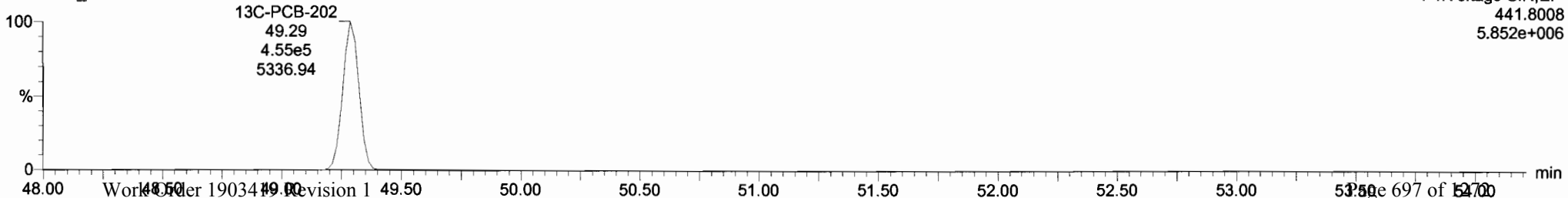
190628K2_2

F4:Voltage SIR,EI+
439.8038
5.343e+006



190628K2_2

F4:Voltage SIR,EI+
441.8008
5.852e+006

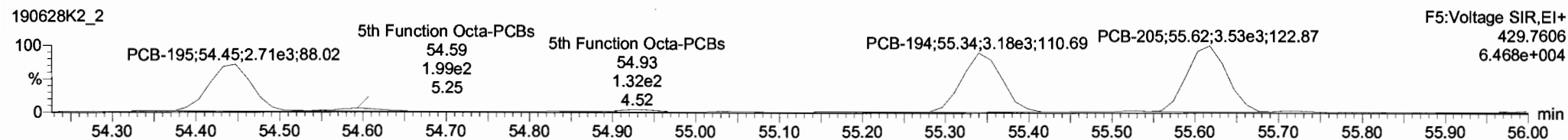
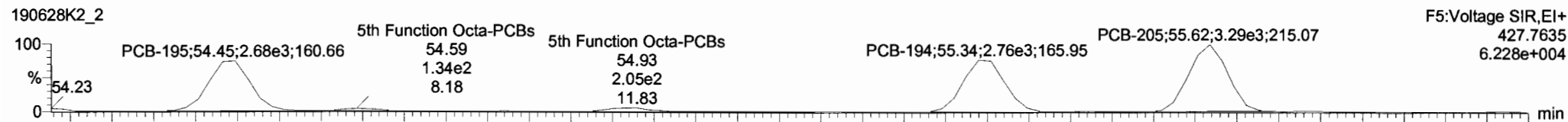


Dataset: Untitled

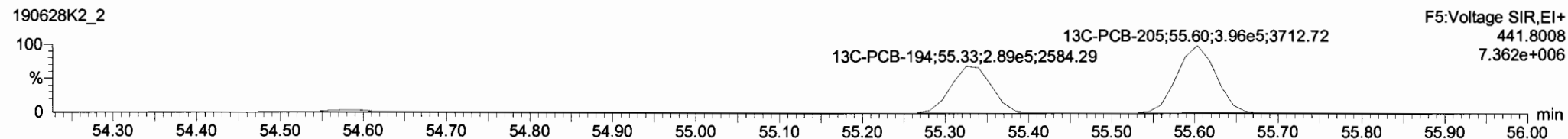
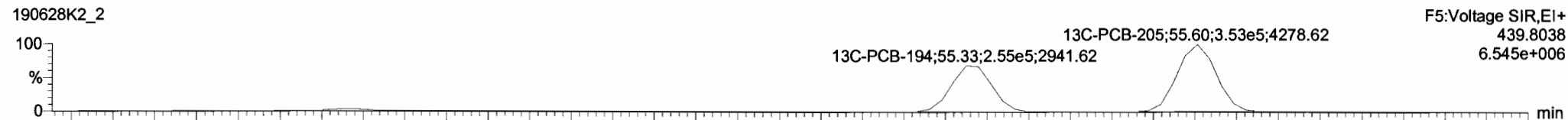
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

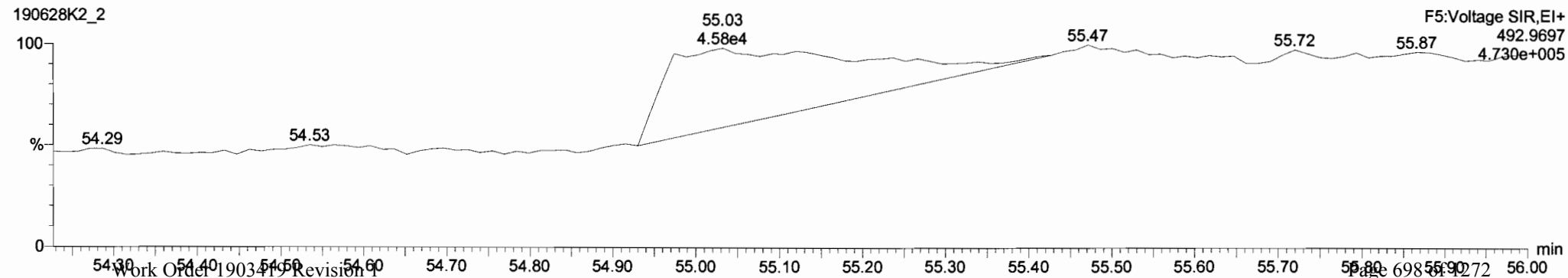
PCB-195



13C-PCB-194



PFK5

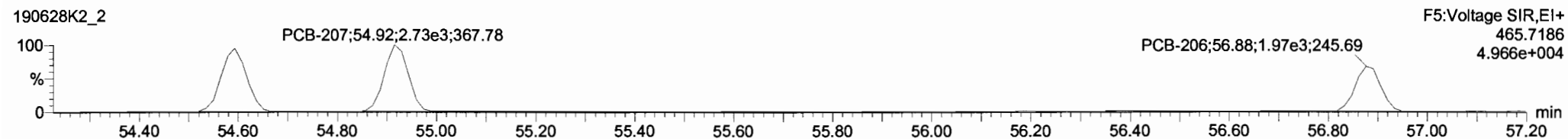
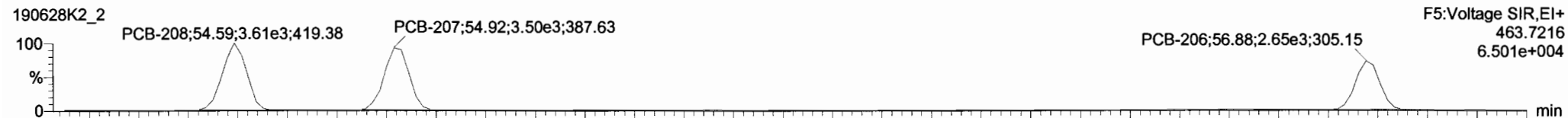


Dataset: Untitled

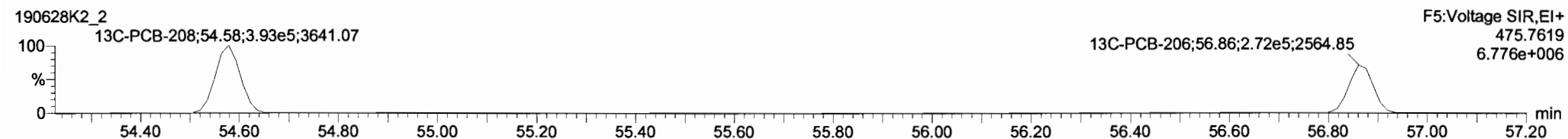
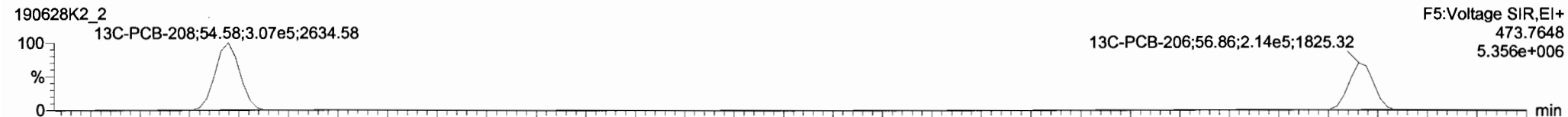
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

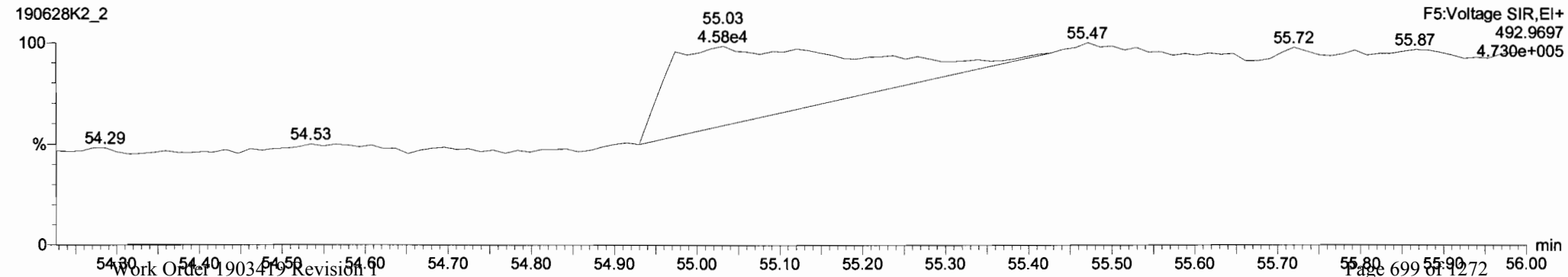
PCB-208



13C-PCB-208



PFK5



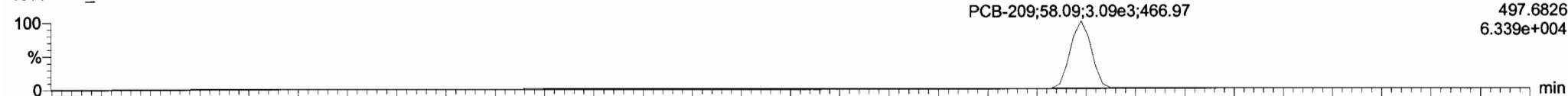
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

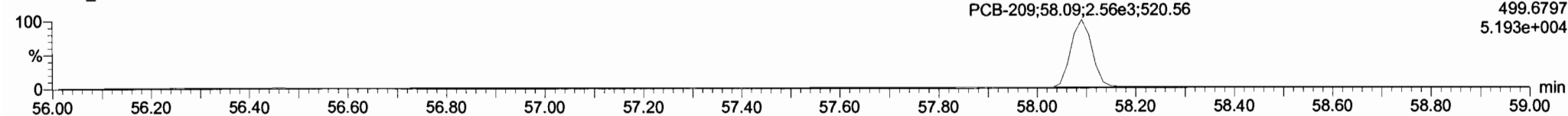
Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-209

190628K2_2

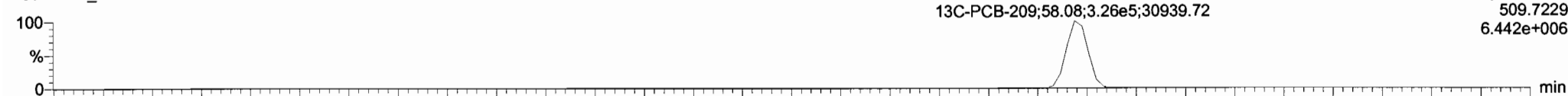


190628K2_2

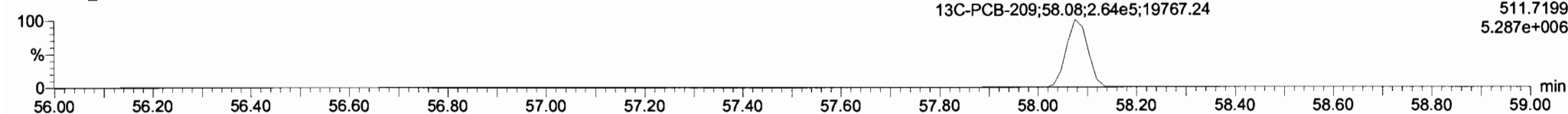


13C-PCB-209

190628K2_2

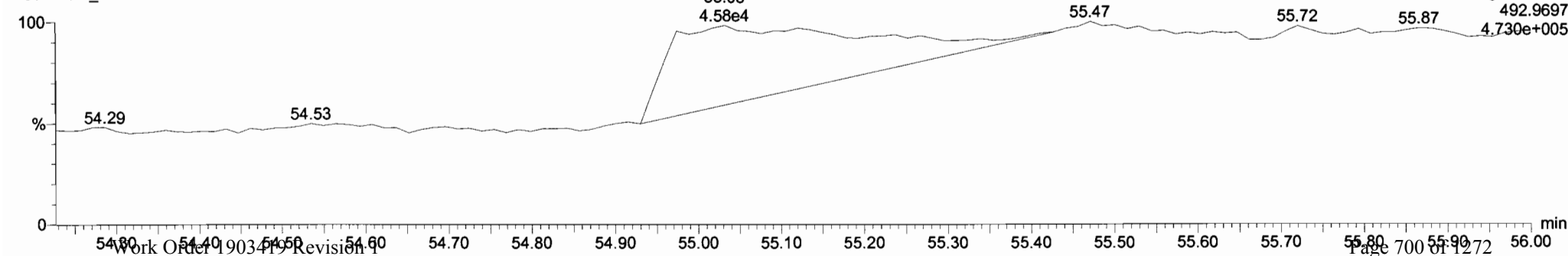


190628K2_2



PFK5

190628K2_2

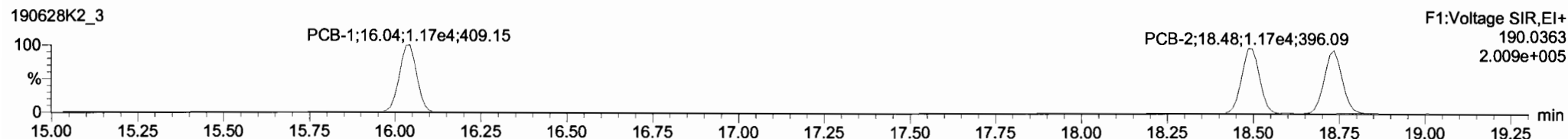
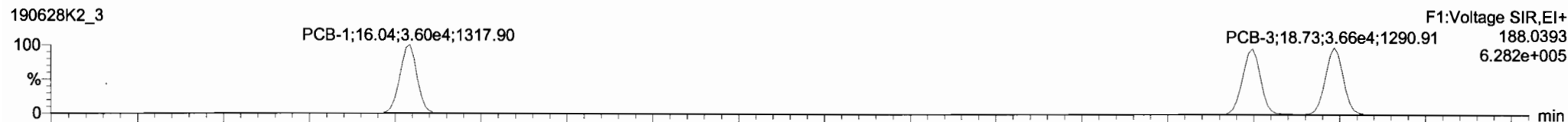


Dataset: Untitled

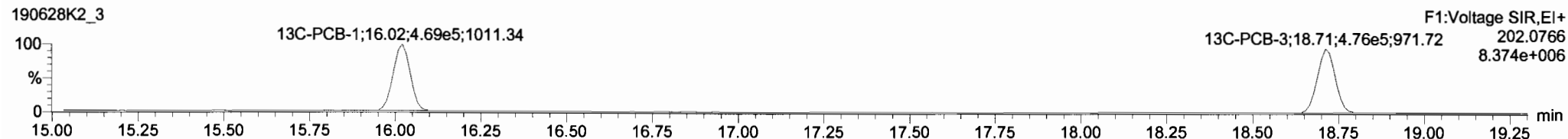
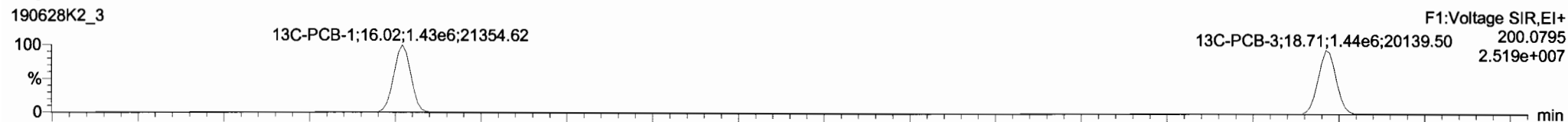
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

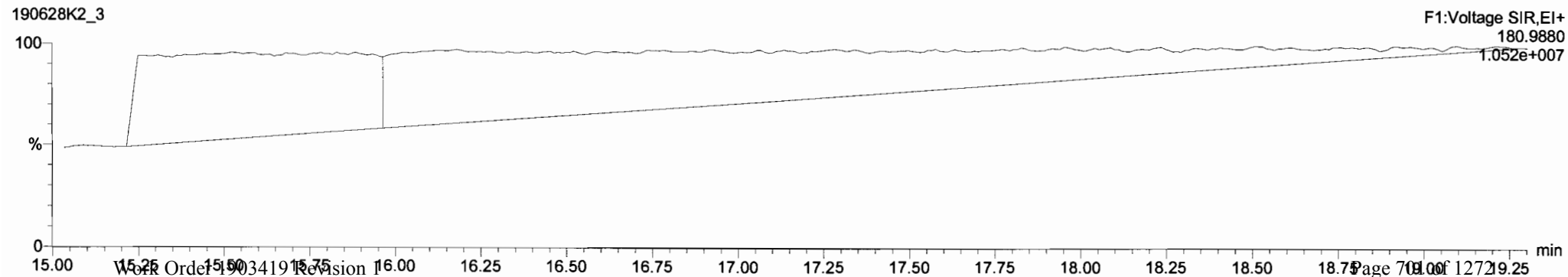
PCB-1



13C-PCB-1



PFK1

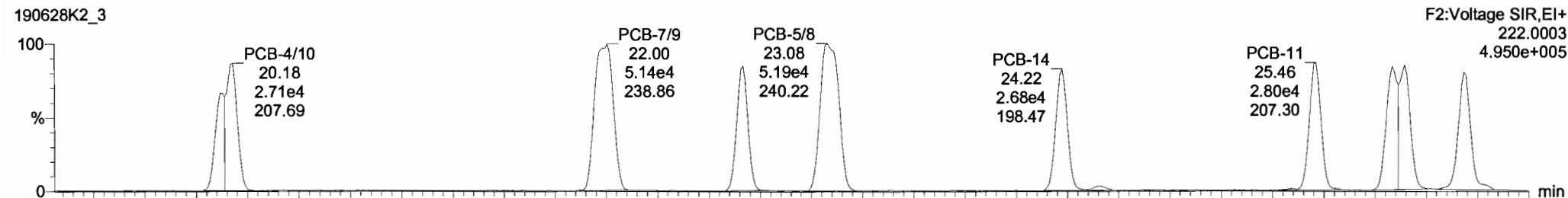


Dataset: Untitled

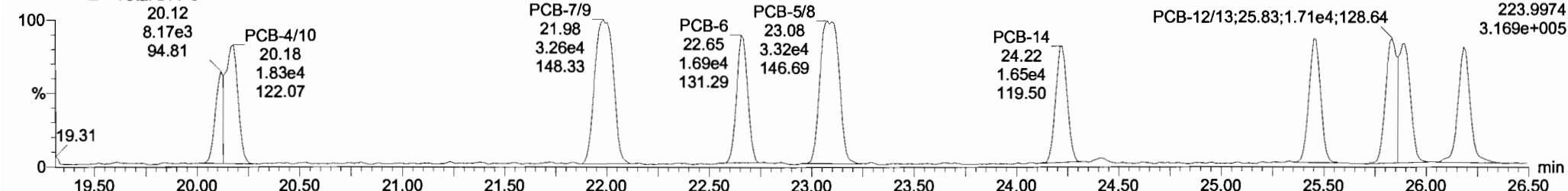
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

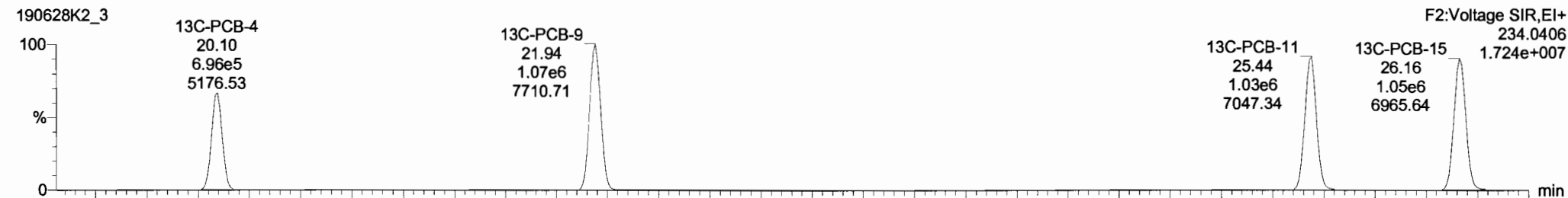
PCB-4/10



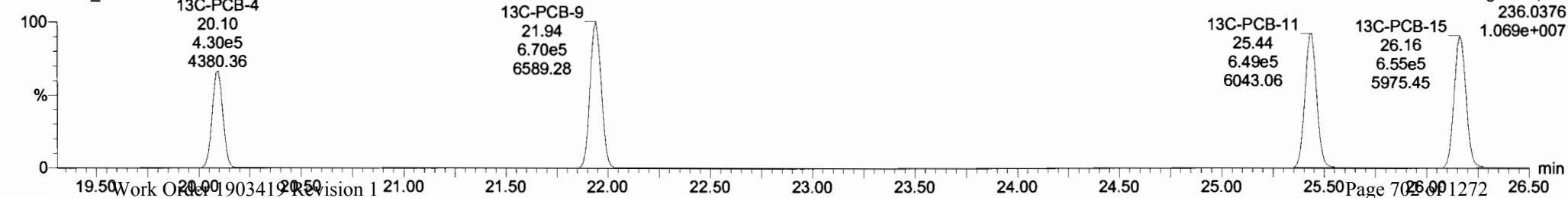
190628K2_3 Total Di-PCBs



13C-PCB-4



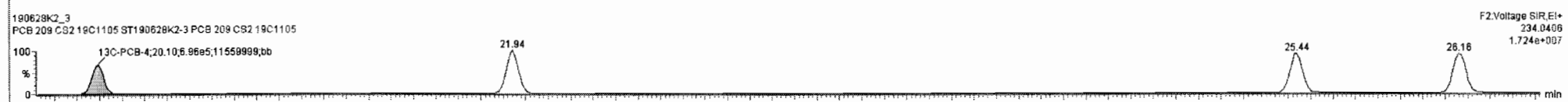
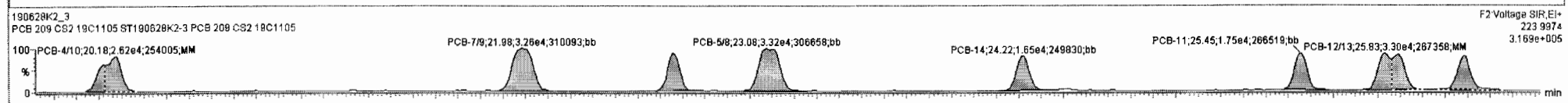
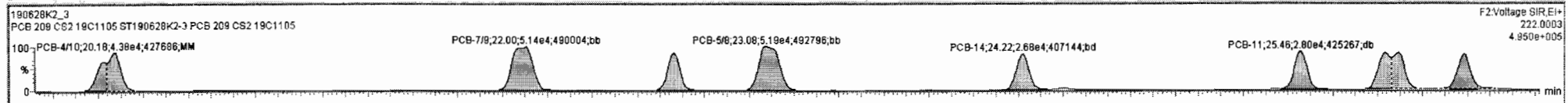
190628K2_3



190628k2_3 - ST190628K2-3 PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred RT | RT | Pred R... | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|-----------|-------|----------|-------|------|--------|-------|
| 218 | 13C-PCB-182 | 5.65e5 | 0.44 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0608 | |
| 219 | 13C-PCB-205 | 7.62e5 | 0.90 | NO | 1.0000 | 1.000 | 55.80 | 55.80 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0533 | |
| 220 | 13C-PCB-79 | 1.19e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.49 | 1.029 | 1.030 | NO | 98.88 | 98.9 | 0.0785 | |
| 221 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 102.4 | 102 | 0.0688 | |
| 222 | 13C-PCB-79 | 1.19e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.49 | 0.968 | 0.968 | NO | 99.25 | 99.2 | 0.0831 | |
| 223 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0689 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 7.411 | | 0.0178 | 7.410 |
| 225 | Total Di-PCBs | | | | 1.0582 | 1.000 | 0.00 | | 0.000 | | NO | 28.32 | | 0.247 | 28.32 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 19.53 | | 0.0708 | 19.53 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0586 | 1.000 | 0.00 | | 0.000 | | NO | 38.35 | | 0.282 | 38.35 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 103.0 | | 0.434 | 103.0 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 100.0 | | 0.342 | 100.0 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 12.15 | | 0.101 | 12.15 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1 st Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|------------------------------|------|-----|--------|--------|
| 1 | 4 PCB-4/10 | 20.18 | 20.18 | 4.382e4 | 2.618e4 | 1.560 | 1.67 | NO | 4.8770 | 4.8768 |
| 2 | 5 PCB-7/9 | 22.00 | 22.00 | 5.135e4 | 3.258e4 | 1.560 | 1.56 | NO | 4.9379 | 4.9377 |
| 3 | 6 PCB-6 | 22.65 | 22.67 | 2.821e4 | 1.894e4 | 1.560 | 1.55 | NO | 2.4364 | 2.4363 |
| 4 | 7 PCB-5/8 | 23.07 | 23.08 | 5.185e4 | 3.316e4 | 1.560 | 1.56 | NO | 4.8284 | 4.8280 |
| 5 | 8 PCB-14 | 24.23 | 24.22 | 2.682e4 | 1.645e4 | 1.560 | 1.63 | NO | 2.4951 | 2.4949 |
| 6 | 9 PCB-11 | 25.46 | 25.46 | 2.800e4 | 1.751e4 | 1.560 | 1.60 | NO | 2.4727 | 2.4724 |
| 7 | 10 PCB-12/13 | 25.83 | 25.89 | 5.062e4 | 3.298e4 | 1.560 | 1.54 | NO | 4.8117 | 4.8118 |



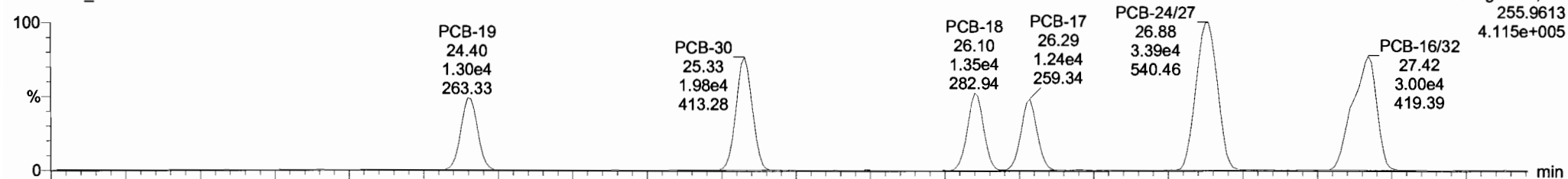
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

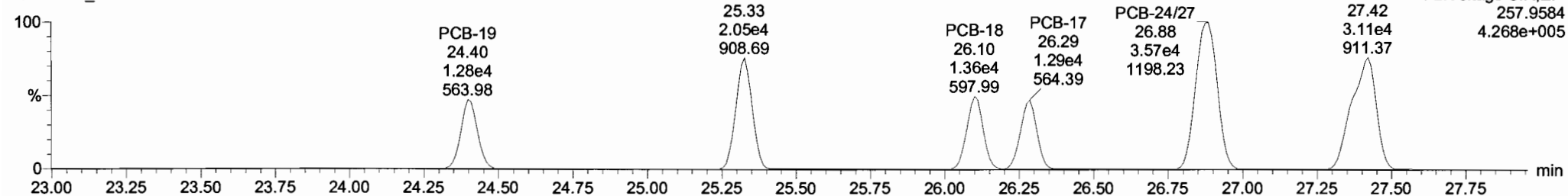
Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-19

190628K2_3

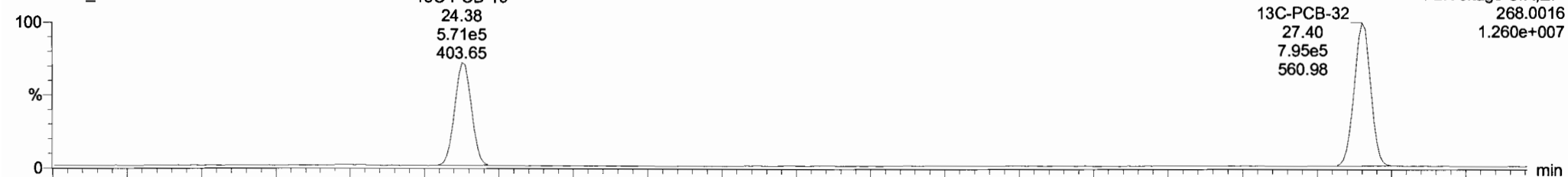


190628K2_3

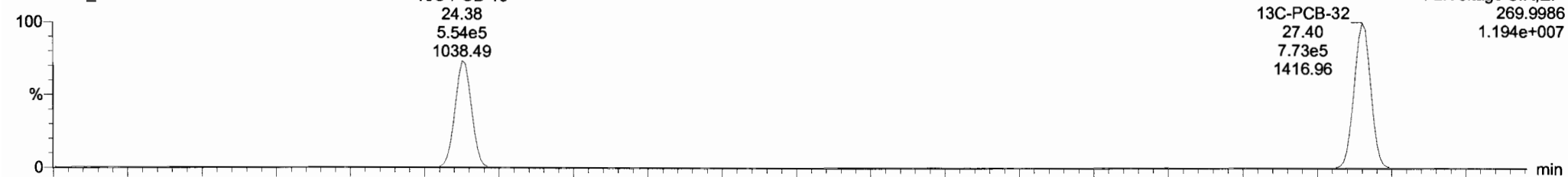


13C-PCB-19

190628K2_3



190628K2_3

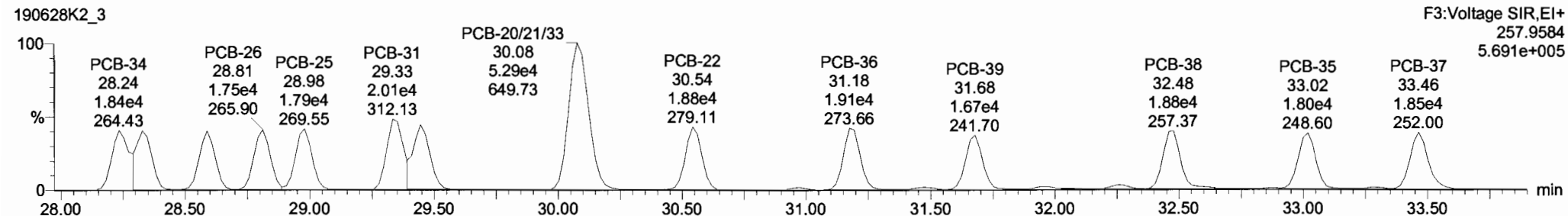
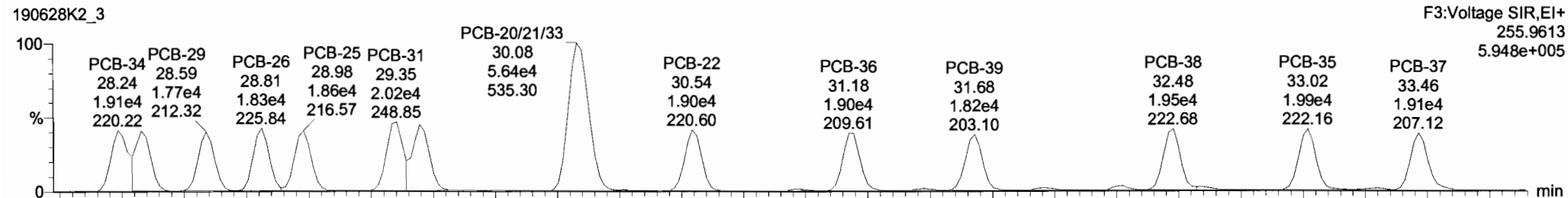


Dataset: Untitled

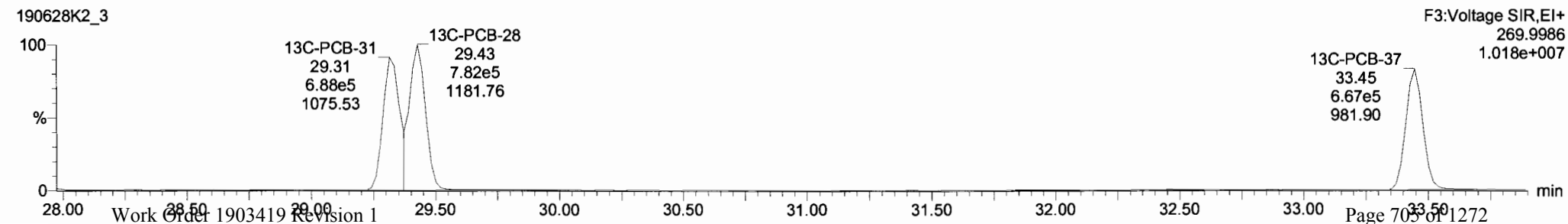
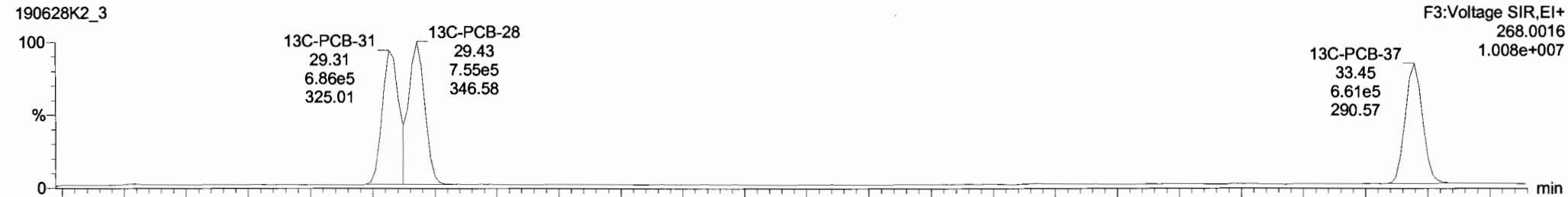
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-34



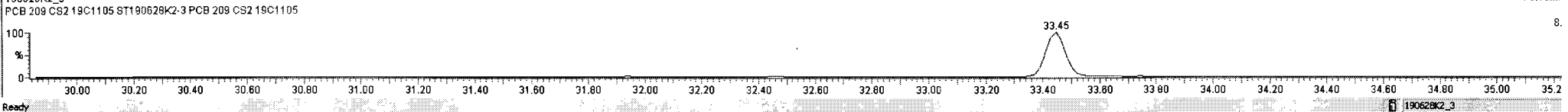
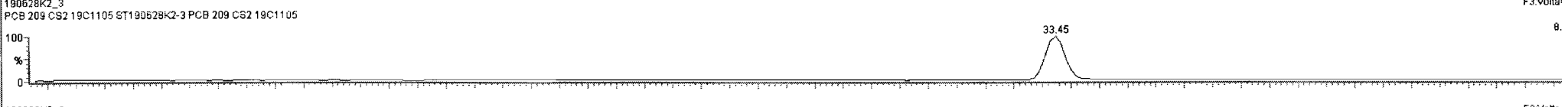
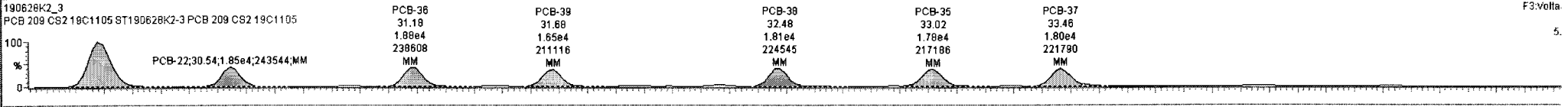
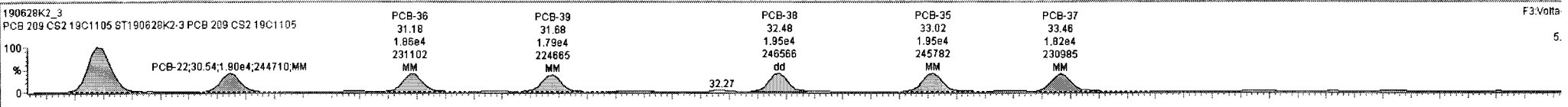
13C-PCB-28



190628K2_3 - ST190628K2-3.PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

| # | Name | Resp | RA | n/y | RRF | wt/Vol | Pred.RT | RT | Pred.R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|-----------|-------|----------|-------|------|--------|-------|
| 218 | 13C-PCB-182 | 5.65e5 | 0.45 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0508 | |
| 219 | 13C-PCB-205 | 7.62e5 | 0.90 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0533 | |
| 220 | 13C-PCB-79 | 1.19e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.49 | 1.029 | 1.030 | NO | 98.88 | 98.9 | 0.0785 | |
| 221 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 102.4 | 102 | 0.0668 | |
| 222 | 13C-PCB-79 | 1.18e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.49 | 0.968 | 0.969 | NO | 99.25 | 99.2 | 0.0831 | |
| 223 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0669 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 7.411 | | 0.0178 | 7.411 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 29.32 | | 0.247 | 29.32 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 19.53 | | 0.0708 | 19.53 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 38.30 | | 0.282 | 38.30 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 103.0 | | 0.434 | 103.0 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 100.0 | | 0.342 | 100.0 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 12.15 | | 0.101 | 12.15 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|----|-----------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 8 | 25 PCB-20/21/33 | 30.07 | 30.08 | 5.635e4 | 5.262e4 | 1.040 | 1.07 | NO | 7.0657 | 7.0657 |
| 9 | 26 PCB-22 | 30.53 | 30.54 | 1.896e4 | 1.853e4 | 1.040 | 1.02 | NO | 2.3617 | 2.3617 |
| 10 | 27 PCB-36 | 31.19 | 31.18 | 1.857e4 | 1.878e4 | 1.040 | 0.99 | NO | 2.3899 | 2.3899 |
| 11 | 28 PCB-39 | 31.66 | 31.68 | 1.786e4 | 1.650e4 | 1.040 | 1.08 | NO | 2.3965 | 2.3965 |
| 12 | 29 PCB-38 | 32.48 | 32.48 | 1.954e4 | 1.806e4 | 1.040 | 1.08 | NO | 2.5095 | 2.5095 |
| 13 | 30 PCB-35 | 33.02 | 33.02 | 1.948e4 | 1.775e4 | 1.040 | 1.10 | NO | 2.4769 | 2.4769 |
| 14 | 31 PCB-37 | 33.48 | 33.46 | 1.817e4 | 1.796e4 | 1.040 | 1.01 | NO | 2.4804 | 2.4804 |



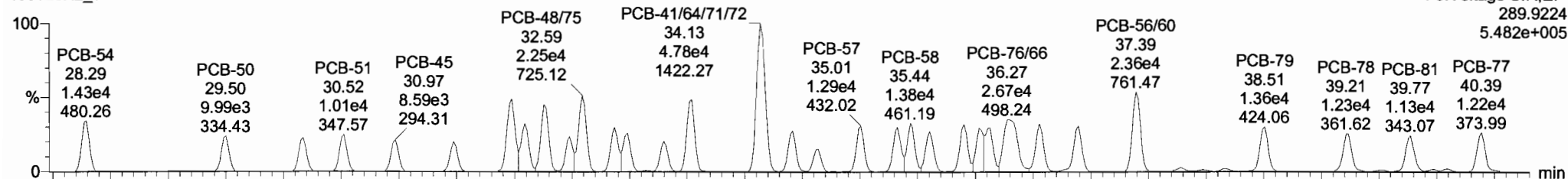
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

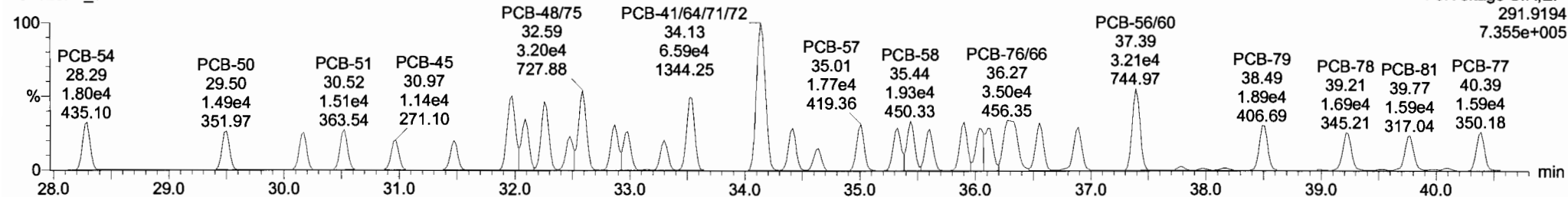
Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-54

190628K2_3

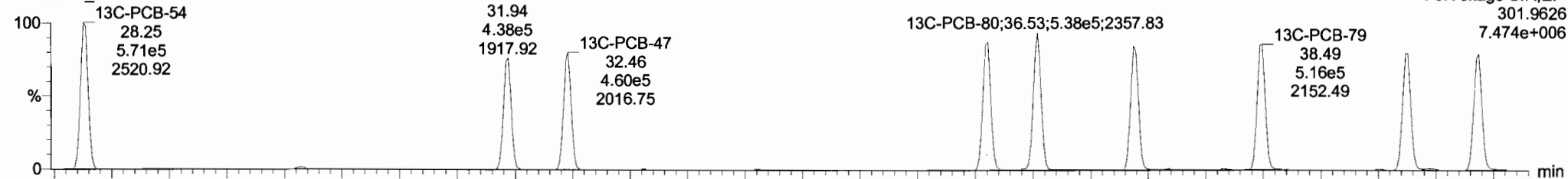


190628K2_3

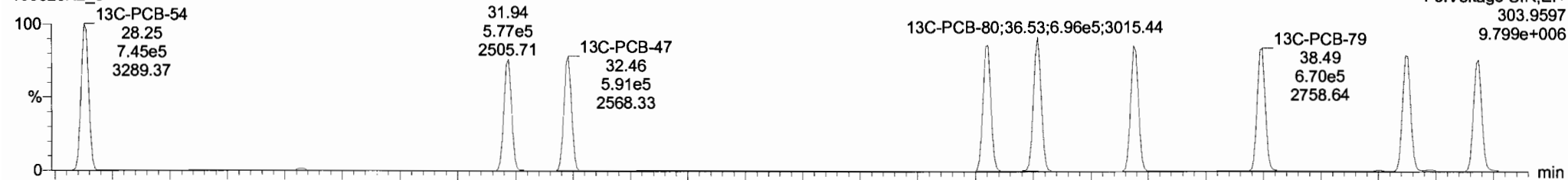


13C-PCB-54

190628K2_3



190628K2_3

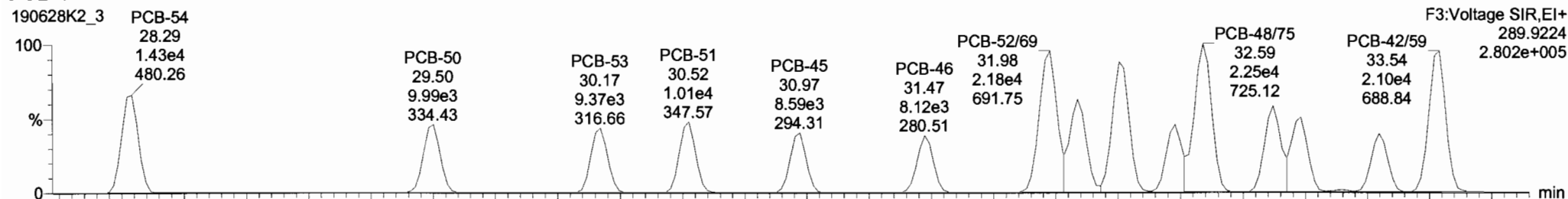


Dataset: Untitled

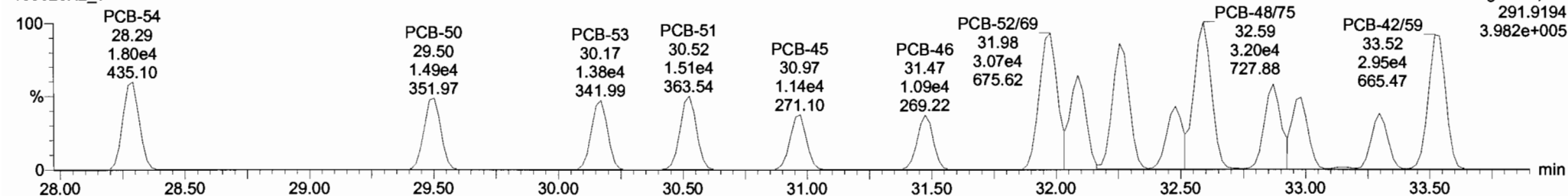
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-50



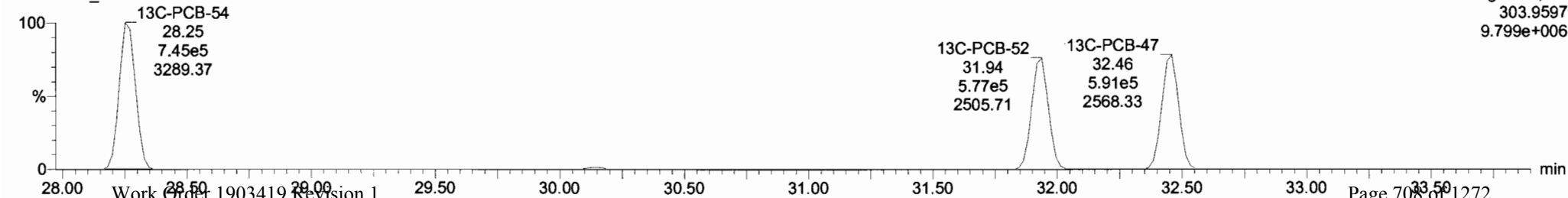
190628K2_3



13C-PCB-52



190628K2_3

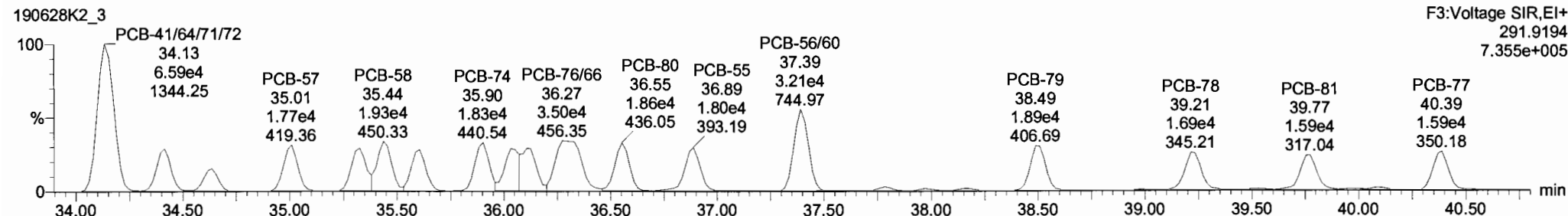
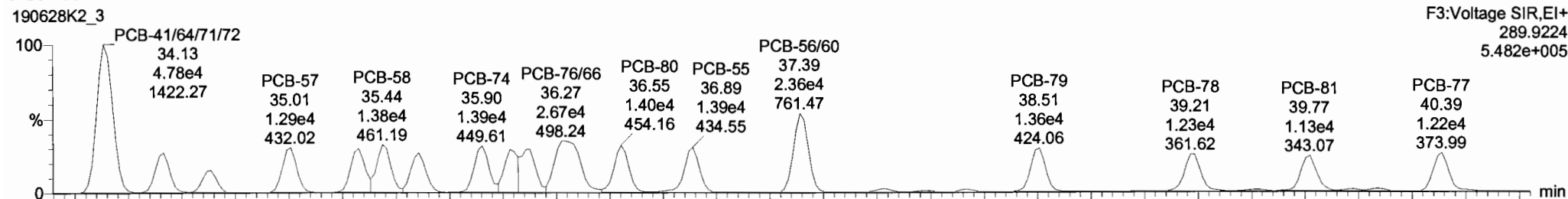


Dataset: Untitled

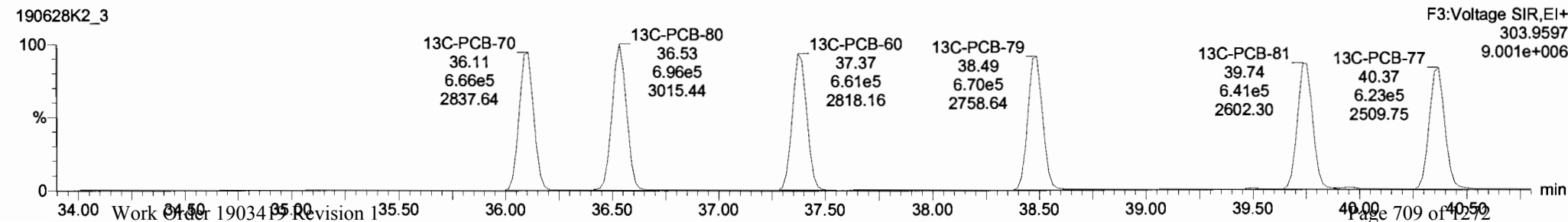
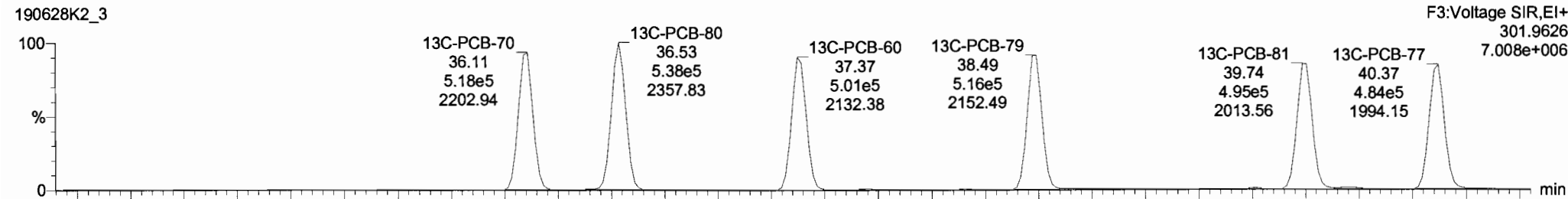
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-68

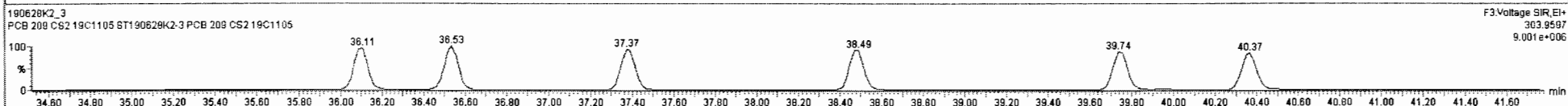
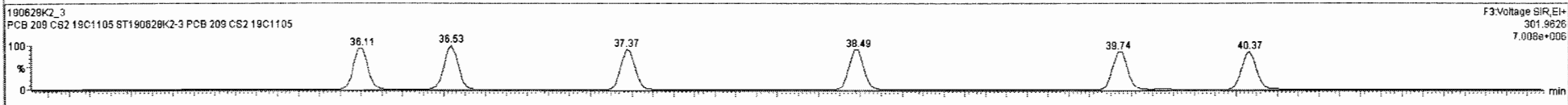
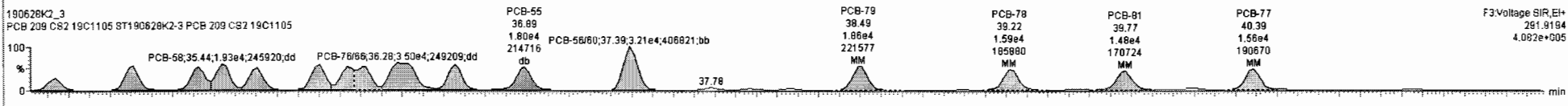
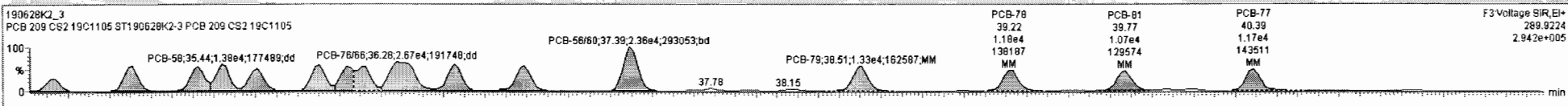


13C-PCB-60



| # | Name | Resp | RA | n/y | RRF | w/w/d | Pred.RT | RT | Pred.R... | RRT | RRF:Fail | Conc | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|-----------|-------|----------|-------|------|--------|-------|
| 218 | 13C-PCB-162 | 5.65e5 | 0.45 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0608 | |
| 219 | 13C-PCB-205 | 7.62e5 | 0.90 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0533 | |
| 220 | 13C-PCB-79 | 1.19e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.49 | 1.029 | 1.030 | NO | 98.88 | 98.9 | 0.0785 | |
| 221 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 102.4 | 102 | 0.0688 | |
| 222 | 13C-PCB-79 | 1.19e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.49 | 0.968 | 0.968 | NO | 99.25 | 99.2 | 0.0831 | |
| 223 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0683 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 7.411 | | 0.0178 | 7.411 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 29.32 | | 0.247 | 29.32 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 19.53 | | 0.0708 | 19.53 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 36.30 | | 0.282 | 36.30 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 103.0 | | 0.434 | 103.0 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 100.0 | | 0.342 | 100.0 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 12.15 | | 0.101 | 12.15 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 32 PCB-54 | 28.27 | 28.29 | 1.435e4 | 1.805e4 | 0.770 | 0.79 | NO | 2.4715 | 2.4715 |
| 2 | 33 PCB-50 | 29.49 | 29.50 | 9.985e3 | 1.489e4 | 0.770 | 0.67 | NO | 2.4187 | 2.4187 |
| 3 | 34 PCB-53 | 30.18 | 30.17 | 9.368e3 | 1.384e4 | 0.770 | 0.68 | NO | 2.3940 | 2.3940 |
| 4 | 35 PCB-51 | 30.53 | 30.52 | 1.010e4 | 1.507e4 | 0.770 | 0.67 | NO | 2.4225 | 2.4225 |
| 5 | 36 PCB-45 | 30.97 | 30.97 | 8.595e3 | 1.140e4 | 0.770 | 0.75 | NO | 2.4379 | 2.4379 |
| 6 | 37 PCB-46 | 31.47 | 31.47 | 8.118e3 | 1.090e4 | 0.770 | 0.75 | NO | 2.4858 | 2.4858 |
| 7 | 38 PCB-52/69 | 31.98 | 31.98 | 2.177e4 | 3.070e4 | 0.770 | 0.71 | NO | 4.7341 | 4.7341 |



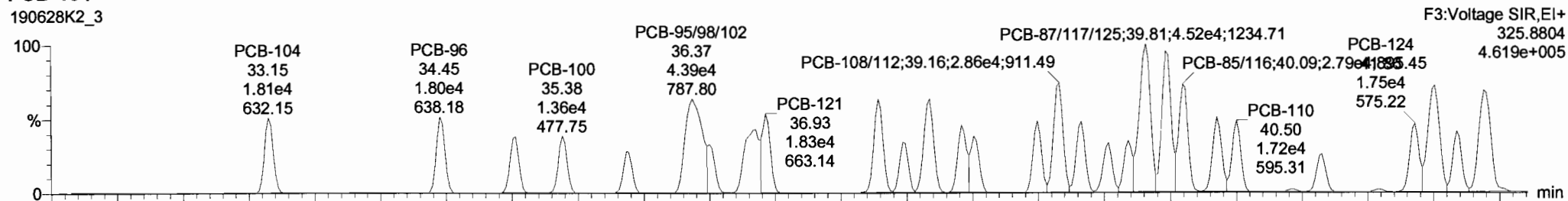
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

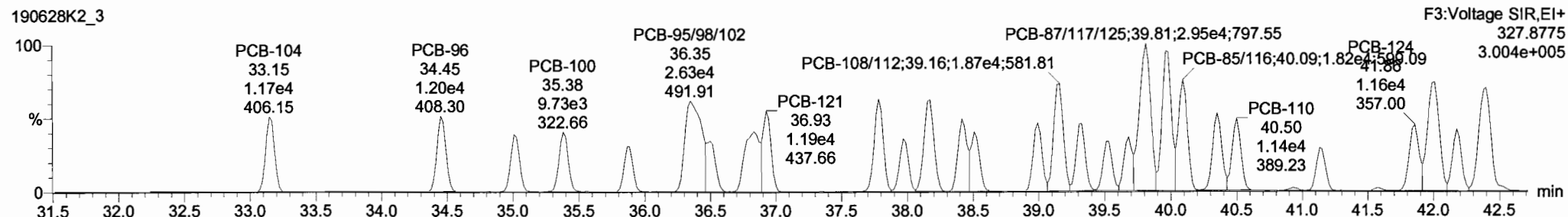
Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-104

190628K2_3

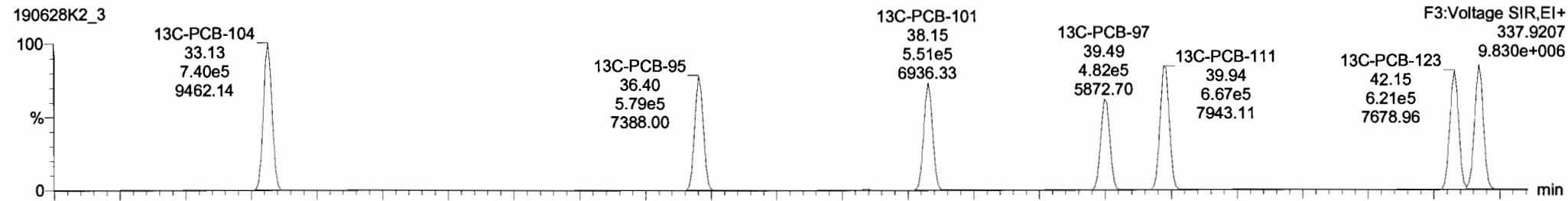


190628K2_3

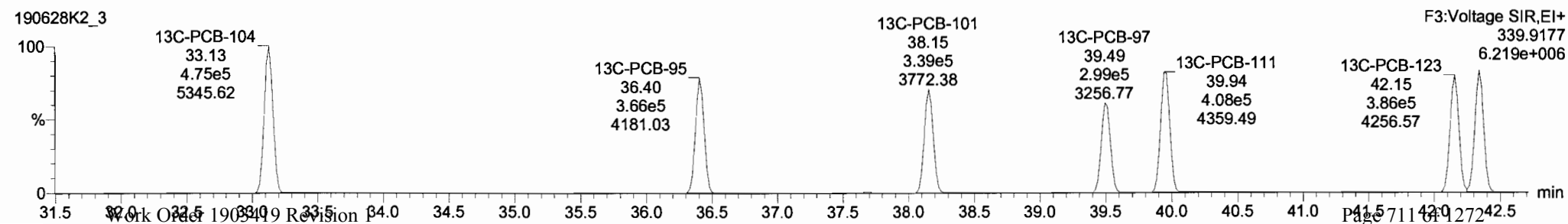


13C-PCB-104

190628K2_3



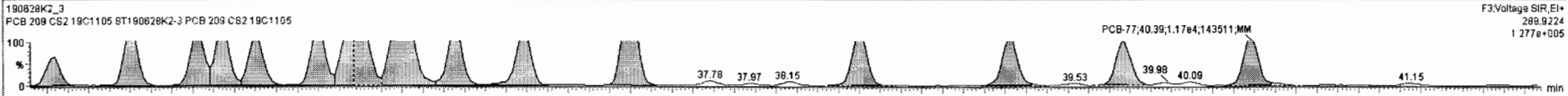
190628K2_3



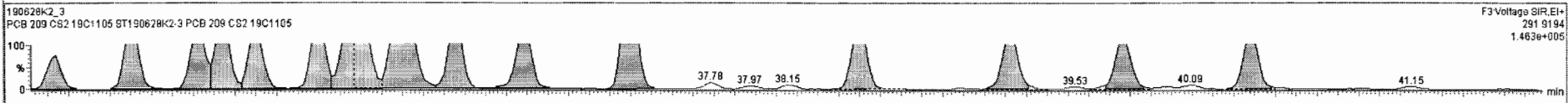
190628K2_3 - ST190628K2-3 PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

| # | Name | Resp | RA | rv | RRF | wfwd | ProdRT | RT | Prod.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|----|--------|-------|--------|-------|--------|-------|----------|-------|------|--------|-------|
| 216 | 218 13C-PCB-182 | 5.65e5 | 0.45 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0608 | |
| 219 | 219 13C-PCB-205 | 7.62e5 | 0.90 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0533 | |
| 220 | 220 13C-PCB-79 | 1.19e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.49 | 1.029 | 1.030 | NO | 98.98 | 98.9 | 0.0785 | |
| 221 | 221 13C-PCB-176 | 5.26e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 102.4 | 102 | 0.0668 | |
| 222 | 222 13C-PCB-79 | 1.18e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.49 | 0.968 | 0.969 | NO | 99.25 | 99.2 | 0.0831 | |
| 223 | 223 13C-PCB-176 | 5.26e5 | 0.45 | NO | 0.8749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0668 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 7.411 | | 0.0178 | 7.411 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 29.32 | | 0.247 | 29.32 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 19.53 | | 0.0708 | 19.53 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 38.30 | | 0.282 | 38.30 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | | 0.000 | | NO | 103.0 | | 0.434 | 103.0 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 100.0 | | 0.342 | 100.0 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 12.15 | | 0.101 | 12.15 |

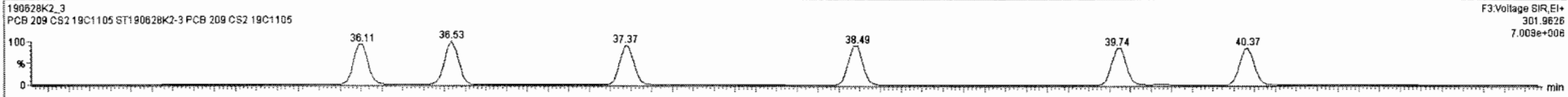
| # | Name | ProdRT | RT | m1 Resp | m2 Resp | 1 st Ratio (Prod) | RA | rv | EMPC | Conc. |
|---|--------------|--------|-------|---------|---------|------------------------------|------|----|--------|--------|
| 1 | 32 PCB-54 | 28.27 | 28.29 | 1.435e4 | 1.805e4 | 0.770 | 0.79 | NO | 2.4715 | 2.4715 |
| 2 | 33 PCB-50 | 29.49 | 29.50 | 9.989e3 | 1.469e4 | 0.770 | 0.87 | NO | 2.4187 | 2.4187 |
| 3 | 34 PCB-53 | 30.18 | 30.17 | 9.368e3 | 1.364e4 | 0.770 | 0.88 | NO | 2.3940 | 2.3940 |
| 4 | 35 PCB-51 | 30.53 | 30.52 | 1.010e4 | 1.507e4 | 0.770 | 0.87 | NO | 2.4225 | 2.4225 |
| 5 | 36 PCB-45 | 30.97 | 30.97 | 8.595e3 | 1.140e4 | 0.770 | 0.75 | NO | 2.4379 | 2.4379 |
| 6 | 37 PCB-46 | 31.47 | 31.47 | 8.118e3 | 1.090e4 | 0.770 | 0.75 | NO | 2.4858 | 2.4858 |
| 7 | 38 PCB-52/68 | 31.98 | 31.98 | 2.177e4 | 3.070e4 | 0.770 | 0.71 | NO | 4.7341 | 4.7341 |



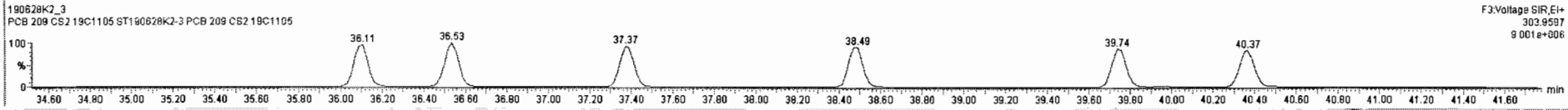
F3:Voltage SIR,EI+
289.9224
1.277e+005



F3:Voltage SIR,EI+
291.9194
1.463e+005



F3:Voltage SIR,EI+
301.9626
7.009e+006



F3:Voltage SIR,EI+
303.9597
9.001e+006

Vista Analytical Laboratory VG-11

Dataset: Untitled

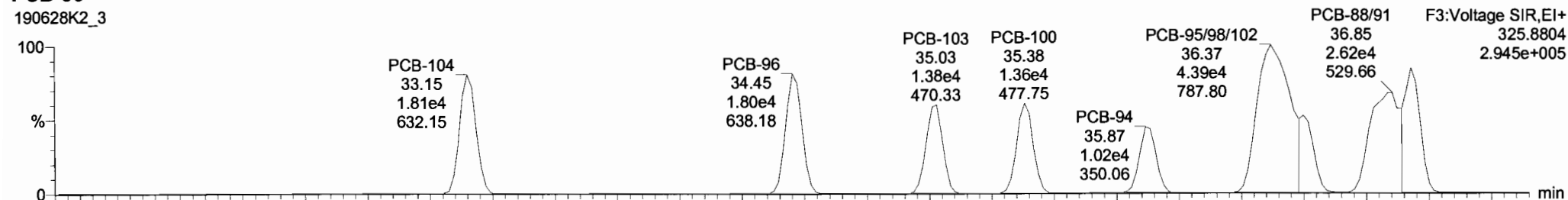
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

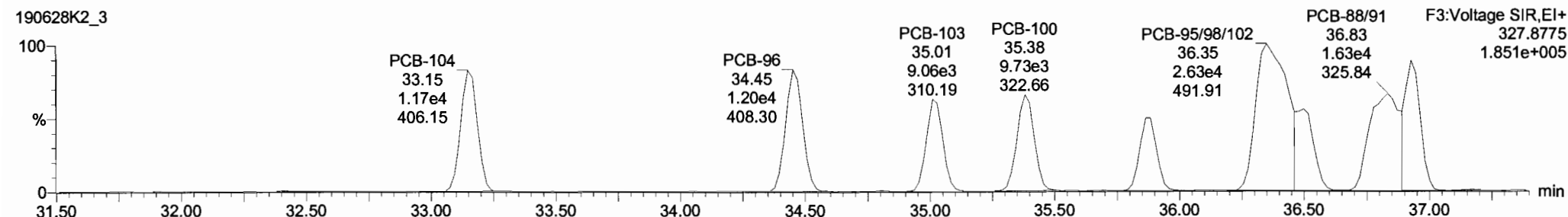
Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-96

190628K2_3

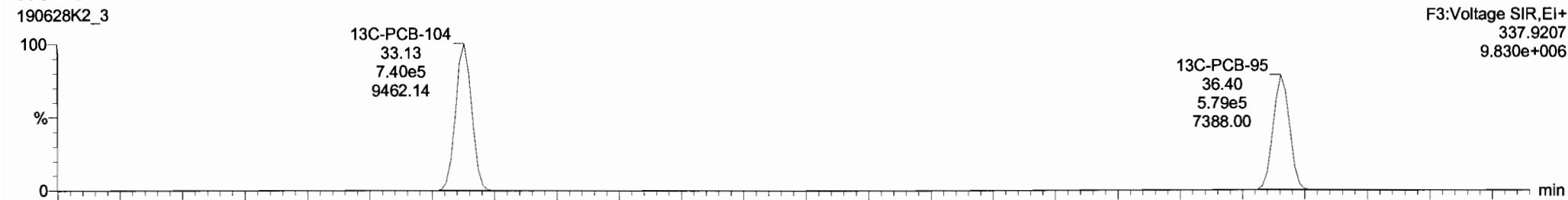


190628K2_3

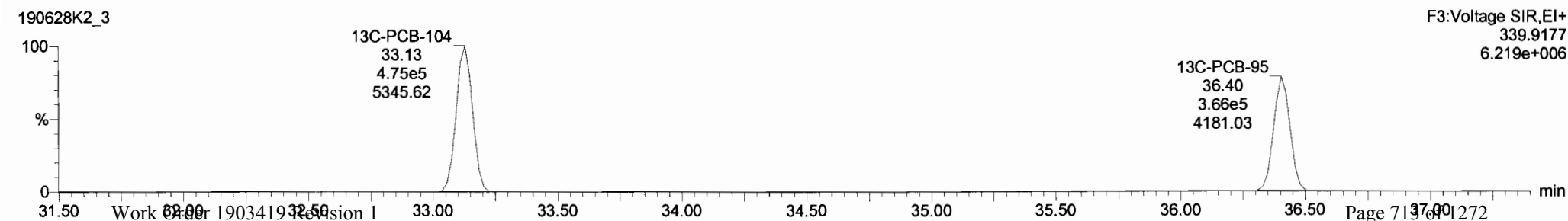


13C-PCB-95

190628K2_3



190628K2_3



Vista Analytical Laboratory VG-11

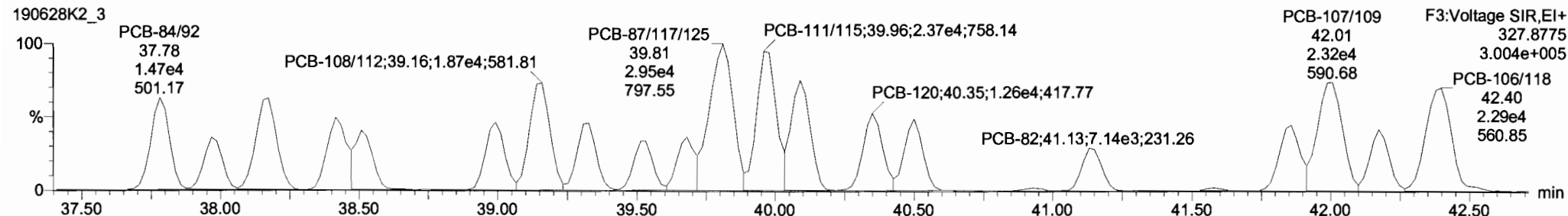
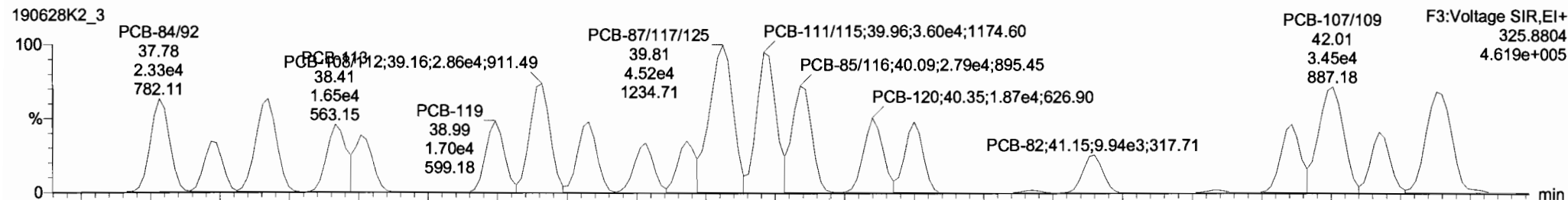
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

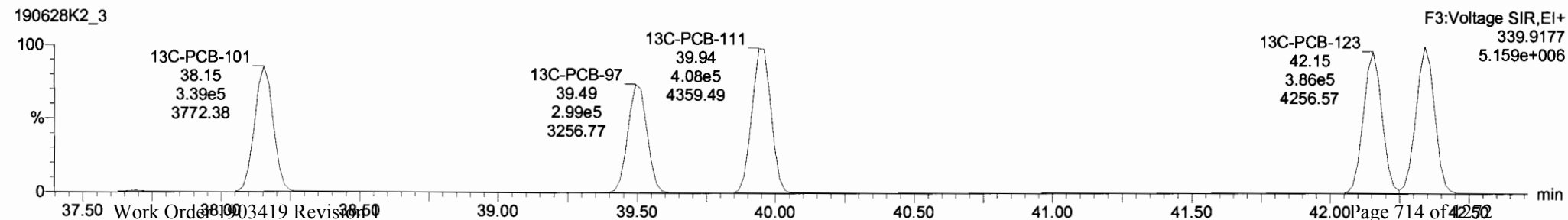
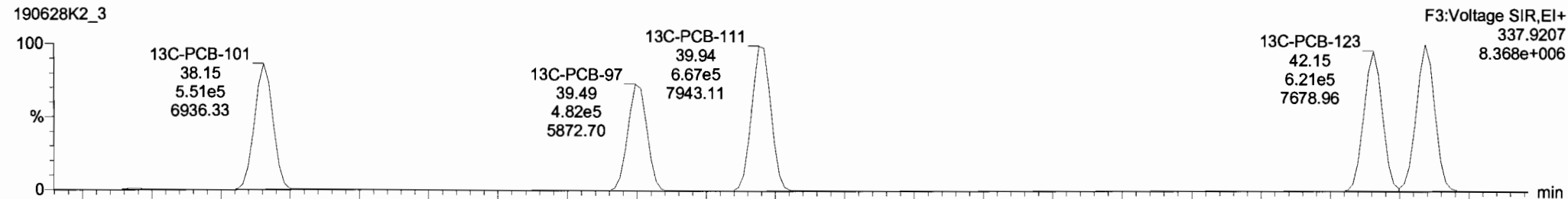
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-119

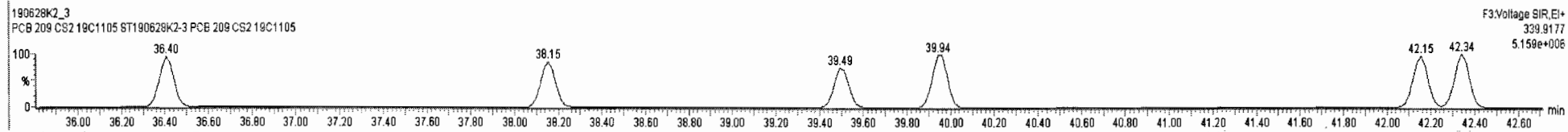
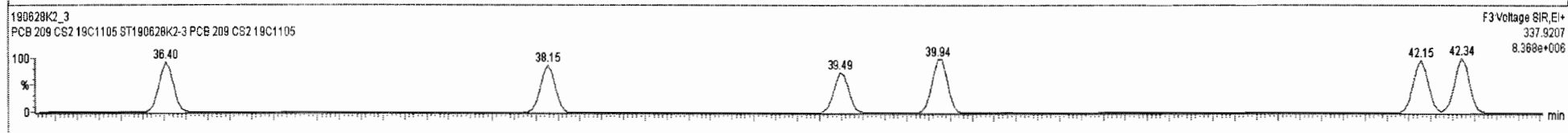
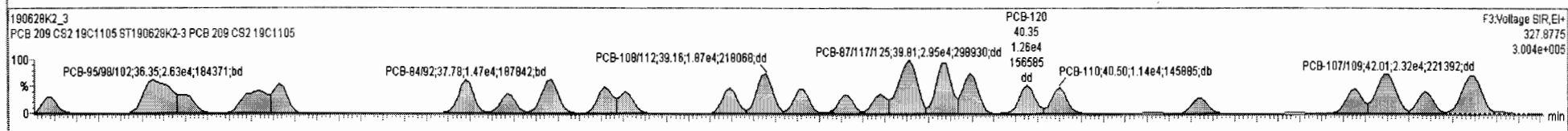
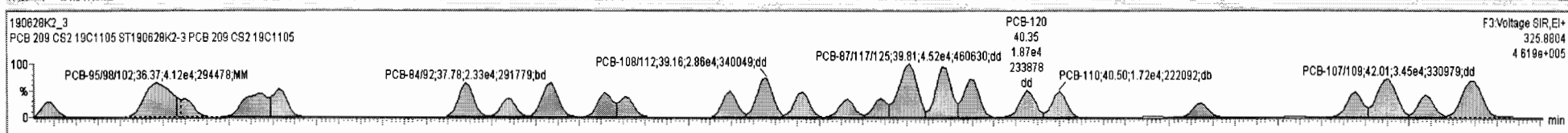


13C-PCB-111



| # | Name | Resp | RA | n/y | RRF | wAol | Pred.RT | RT | Pred.R... | RRT | RRT Fcl | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|-----------|-------|---------|-------|------|--------|-------|
| 218 | 13C-PCB-182 | 5.65e5 | 0.45 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0608 | |
| 219 | 13C-PCB-205 | 7.62e5 | 0.90 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0533 | |
| 220 | 13C-PCB-79 | 1.19e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.49 | 1.029 | 1.030 | NO | 98.88 | 98.9 | 0.0785 | |
| 221 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 102.4 | 102 | 0.0688 | |
| 222 | 13C-PCB-79 | 1.18e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.49 | 0.968 | 0.969 | NO | 99.25 | 99.2 | 0.0831 | |
| 223 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0689 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 7.411 | | 0.0178 | 7.411 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 29.32 | | 0.247 | 29.32 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 19.53 | | 0.0708 | 19.53 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 38.30 | | 0.282 | 38.30 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 103.0 | | 0.434 | 103.0 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 100.0 | | 0.342 | 100.0 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 12.15 | | 0.101 | 12.15 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|------------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 64 PCB-104 | 33.15 | 33.15 | 1.810e4 | 1.174e4 | 1.560 | 1.54 | NO | 2.4699 | 2.4699 |
| 2 | 65 PCB-96 | 34.47 | 34.45 | 1.795e4 | 1.204e4 | 1.560 | 1.49 | NO | 2.4799 | 2.4799 |
| 3 | 66 PCB-103 | 35.03 | 35.03 | 1.379e4 | 9.059e3 | 1.560 | 1.52 | NO | 2.4289 | 2.4289 |
| 4 | 67 PCB-100 | 35.40 | 35.38 | 1.364e4 | 9.729e3 | 1.560 | 1.40 | NO | 2.4736 | 2.4736 |
| 5 | 68 PCB-94 | 35.89 | 35.87 | 1.021e4 | 7.233e3 | 1.560 | 1.41 | NO | 2.3845 | 2.3845 |
| 6 | 69 PCB-95/96/102 | 36.38 | 36.37 | 4.124e4 | 2.627e4 | 1.560 | 1.57 | NO | 7.0362 | 7.0362 |
| 7 | 70 PCB-83 | 36.51 | 36.48 | 1.289e4 | 8.560e3 | 1.560 | 1.51 | NO | 2.6971 | 2.6971 |



Dataset: Untitled

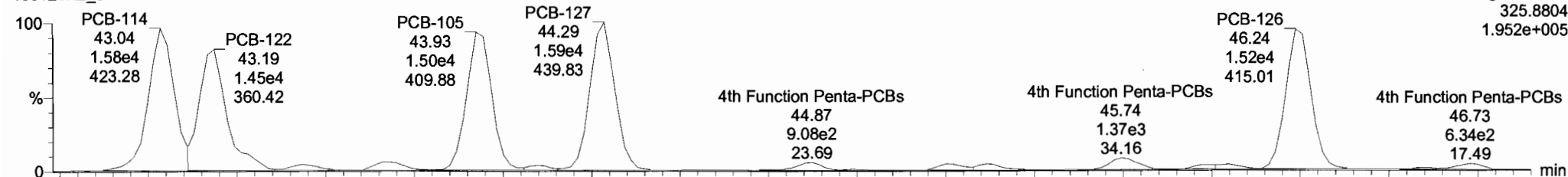
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-114

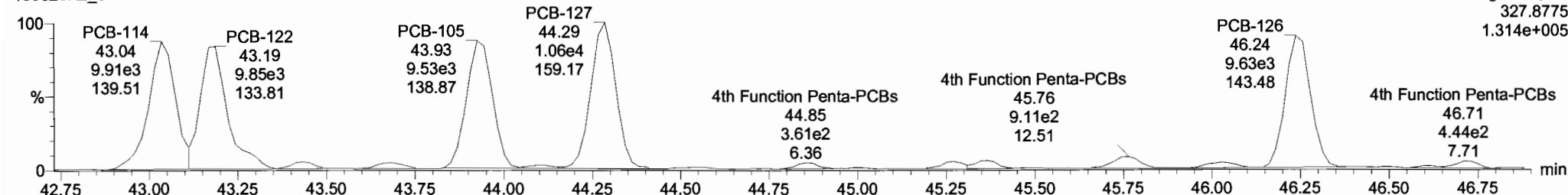
190628K2_3

F4:Voltage SIR,EI+
325.8804
1.952e+005



190628K2_3

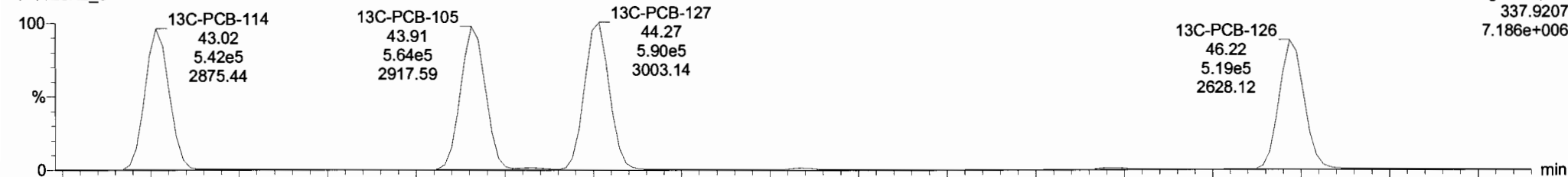
F4:Voltage SIR,EI+
327.8775
1.314e+005



13C-PCB-114

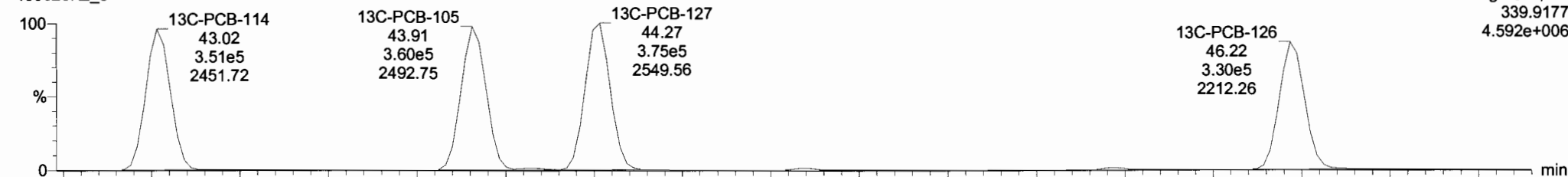
190628K2_3

F4:Voltage SIR,EI+
337.9207
7.186e+006



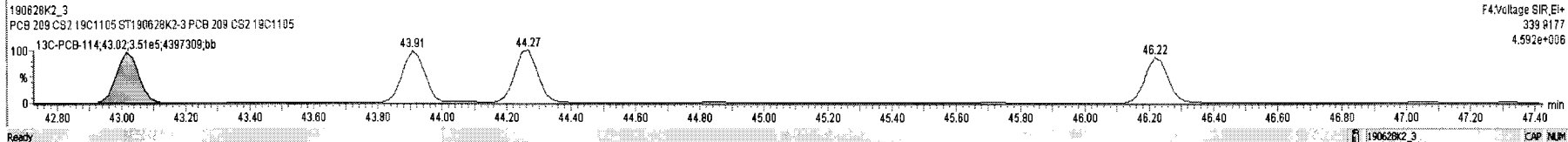
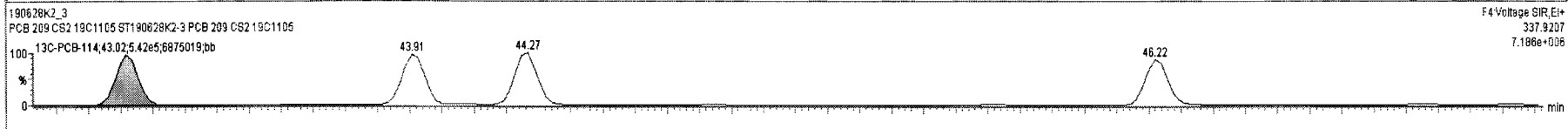
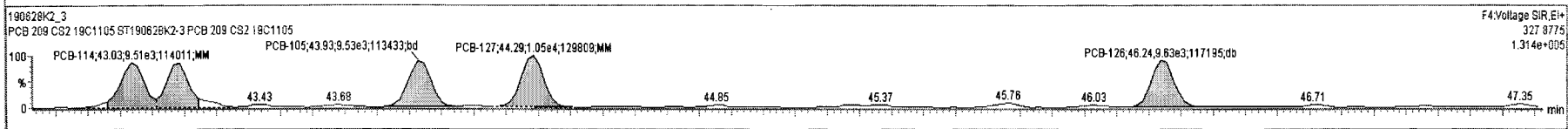
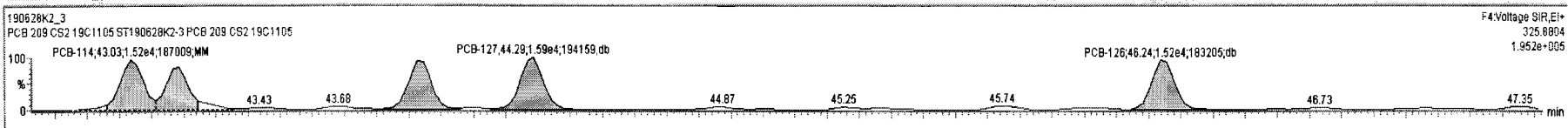
190628K2_3

F4:Voltage SIR,EI+
339.9177
4.592e+006



| # | Name | Resp | RA | n/y | RF | wt/col | Pred.RT | RT | Pred.R | RRT | RRT/Fac | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|---------|-------|------|--------|-------|
| 218 | 13C-PCB-182 | 5.55e5 | 0.45 | NO | 1.0000 | 1.000 | 47.13 | 47.13 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0808 | |
| 219 | 13C-PCB-205 | 7.62e5 | 0.90 | NO | 1.0000 | 1.000 | 55.60 | 55.60 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0533 | |
| 220 | 13C-PCB-79 | 1.19e6 | 0.77 | NO | 1.0320 | 1.000 | 38.47 | 38.49 | 1.029 | 1.030 | NO | 98.88 | 98.9 | 0.0785 | |
| 221 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.989 | 0.988 | NO | 102.4 | 102 | 0.0888 | |
| 222 | 13C-PCB-79 | 1.18e6 | 0.78 | NO | 1.0454 | 1.000 | 38.45 | 38.49 | 0.969 | 0.969 | NO | 99.25 | 99.2 | 0.0831 | |
| 223 | 13C-PCB-178 | 5.26e5 | 0.45 | NO | 0.9749 | 1.000 | 46.59 | 46.58 | 0.924 | 0.924 | NO | 100.9 | 101 | 0.0669 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 7.411 | | 0.0178 | 7.411 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 28.32 | | 0.247 | 28.32 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 19.53 | | 0.0708 | 19.53 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 36.30 | | 0.292 | 36.30 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 103.0 | | 0.434 | 103.0 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 100.0 | | 0.342 | 100.0 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 12.15 | | 0.101 | 12.15 |

| # | Name | Pred.RT | RT | wt Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|----|---------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 93 | PCB-114 | 43.04 | 43.03 | 1.523e4 | 9.510e3 | 1.580 | 1.60 | NO | 2.3840 | 2.3840 |
| 94 | PCB-122 | 43.17 | 43.19 | 1.285e4 | 8.739e3 | 1.580 | 1.47 | NO | 2.4848 | 2.4848 |
| 95 | PCB-105 | 43.92 | 43.93 | 1.498e4 | 9.530e3 | 1.580 | 1.57 | NO | 2.4067 | 2.4067 |
| 96 | PCB-127 | 44.28 | 44.29 | 1.590e4 | 1.051e4 | 1.580 | 1.51 | NO | 2.4667 | 2.4667 |
| 97 | PCB-126 | 46.24 | 46.24 | 1.518e4 | 9.627e3 | 1.580 | 1.58 | NO | 2.4092 | 2.4092 |



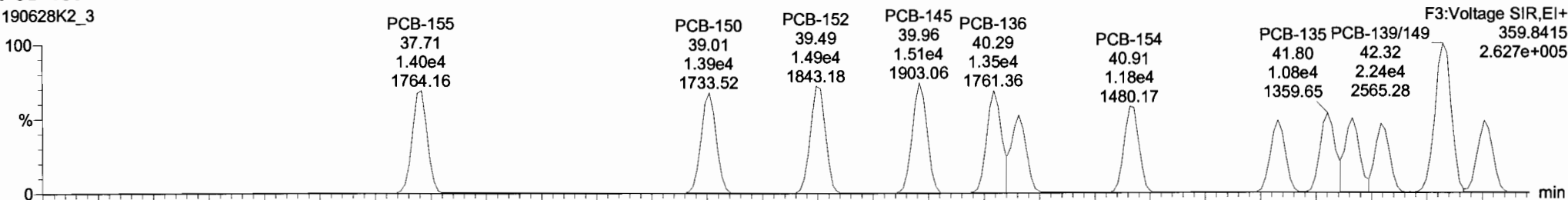
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

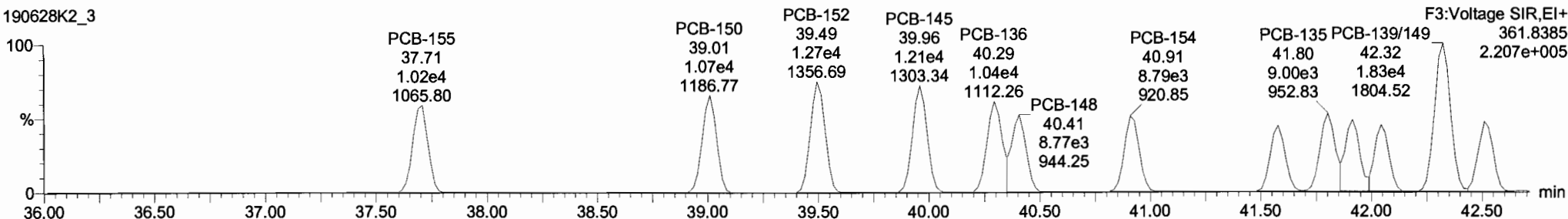
Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-155

190628K2_3

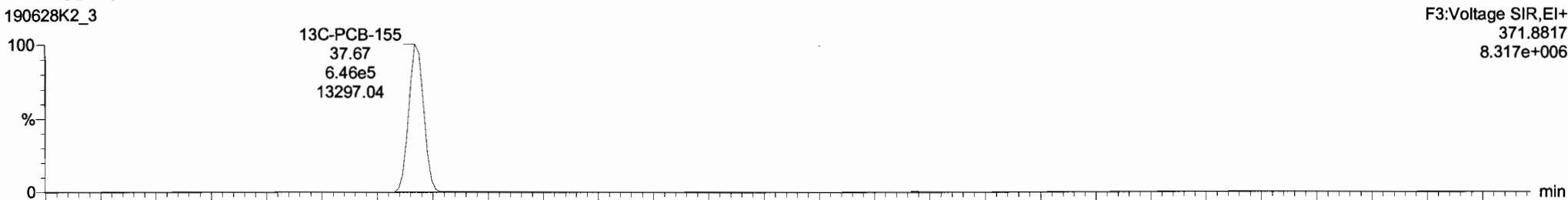


190628K2_3



13C-PCB-155

190628K2_3



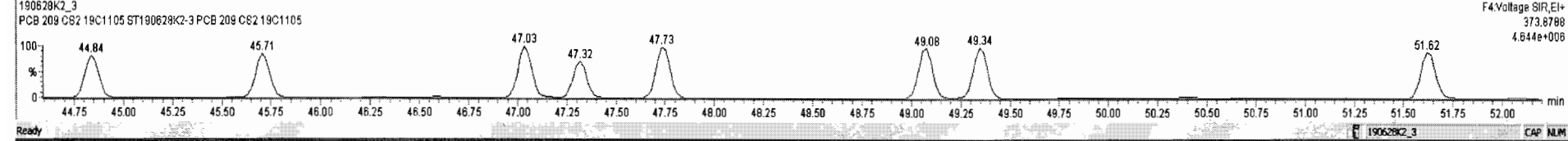
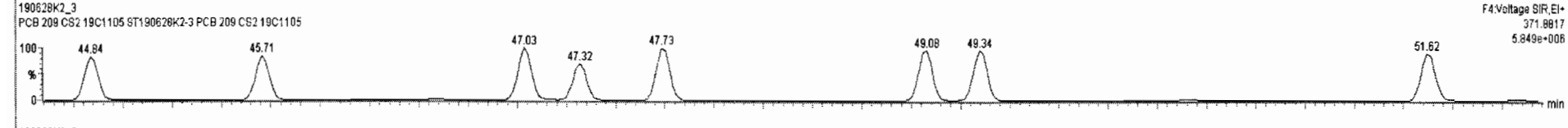
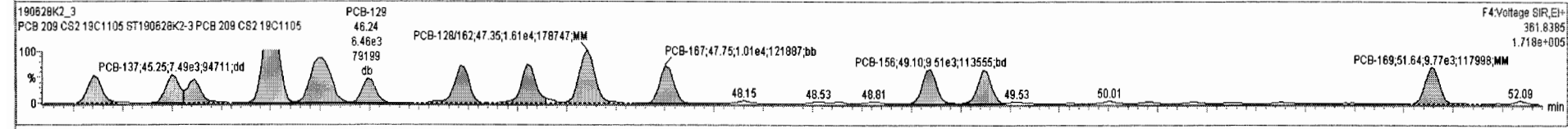
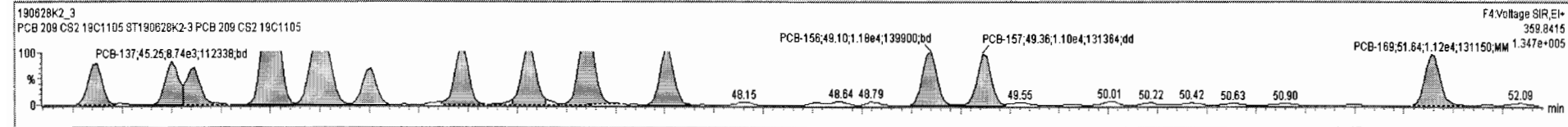
190628K2_3



190628K2_3 - ST190628K2-3.PCB.209.CS2.19C1105.PCB.209.CS2.19C1105

| # | Name | Resp | RA | n/y | RRT | wVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------------|------|----|-----|--------|-------|---------|----|--------|-----|----------|-------|------|---------|--------|
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 87.78 | | 0.231 | 67.78 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 59.03 | | 0.217 | 59.03 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 22.23 | | 0.0851 | 22.23 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 7.464 | | 0.0370 | 7.464 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 7.182 | | 0.0277 | 7.182 |
| 237 | 237 Deca-CB | | | | 0.9426 | 1.000 | 0.00 | | 0.000 | | NO | 2.376 | | 0.00291 | 2.376 |
| 238 | 238 Total PCBs | | | | | | | | | | | | | | |
| 239 | 239 Total Mono-Isotopes | | | | | | | | | | | | | | |
| 240 | 240 Total Di-Isotopes | | | | | | | | | | | | | | |
| 241 | 241 2nd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 242 | 242 3rd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 243 | 243 Tetra-Isotopes | | | | 0.9949 | 1.000 | 0.00 | | 1.000 | | NO | 907.8 | | 0.745 | 0.0000 |
| 244 | 244 3rd Function Penta-Isotopes | | | | 0.9098 | 1.000 | 0.00 | | 0.000 | | NO | 711.3 | | 0.260 | 0.0000 |

| # | Name | Pred.RT | RT | Int Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------------|---------|-------|----------|---------|-----------------|------|-----|--------|--------|
| 1 | 111 PCB-134/143 | 42.96 | 42.96 | 1.633e4 | 1.330e4 | 1.240 | 1.27 | NO | 4.8218 | 4.8218 |
| 2 | 112 PCB-131/133 | 43.26 | 43.28 | 1.726e4 | 1.467e4 | 1.240 | 1.18 | NO | 4.7282 | 4.7282 |
| 3 | 113 PCB-142 | 43.45 | 43.43 | 8.306e3 | 6.659e3 | 1.240 | 1.25 | NO | 2.4728 | 2.4728 |
| 4 | 114 PCB-146/165 | 43.66 | 43.66 | 2.122e4 | 1.762e4 | 1.240 | 1.19 | NO | 4.7617 | 4.7617 |
| 5 | 115 PCB-132/161 | 43.91 | 43.91 | 2.224e4 | 1.797e4 | 1.240 | 1.24 | NO | 4.8287 | 4.8287 |
| 6 | 116 PCB-153 | 44.09 | 44.10 | 1.174e4 | 1.001e4 | 1.240 | 1.17 | NO | 2.5148 | 2.5148 |
| 7 | 117 PCB-168 | 44.30 | 44.32 | 1.111e4 | 9.523e3 | 1.240 | 1.17 | NO | 2.3685 | 2.3685 |



Vista Analytical Laboratory VG-11

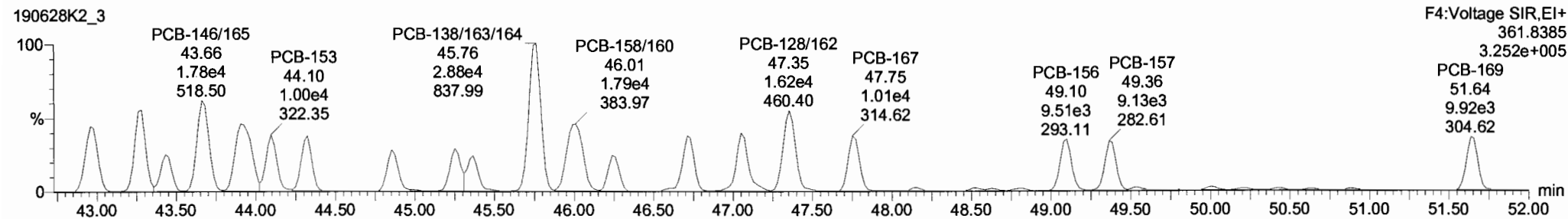
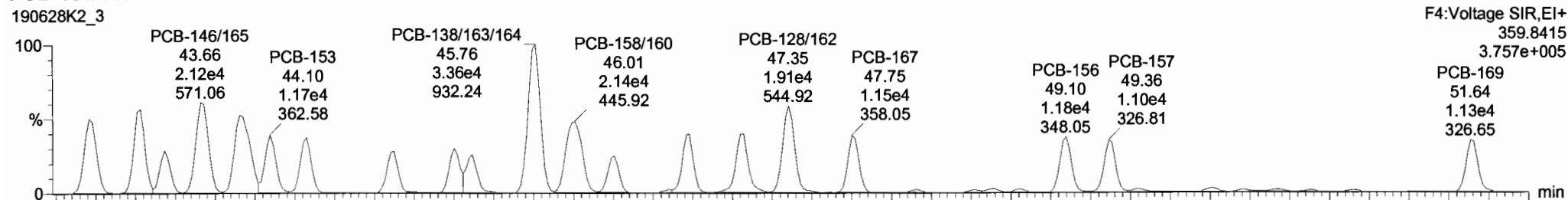
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

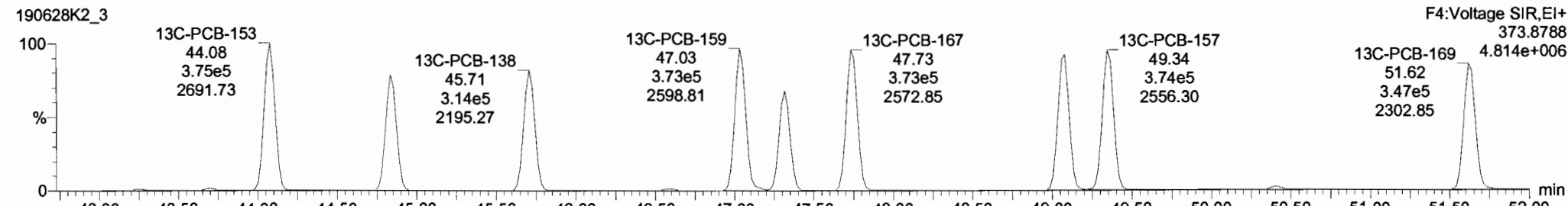
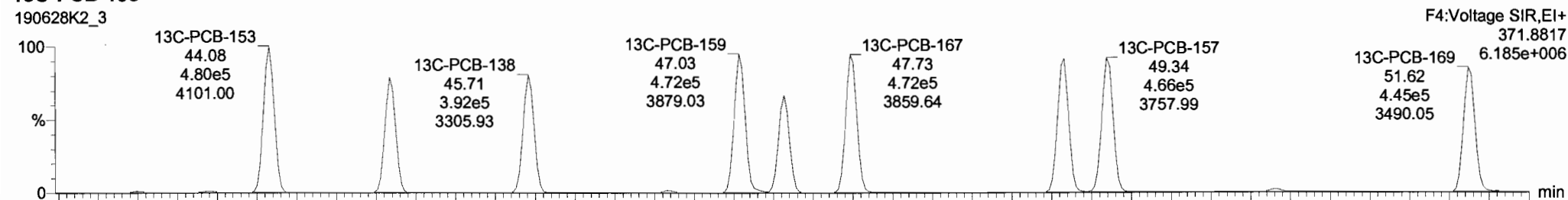
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-134/143



13C-PCB-153

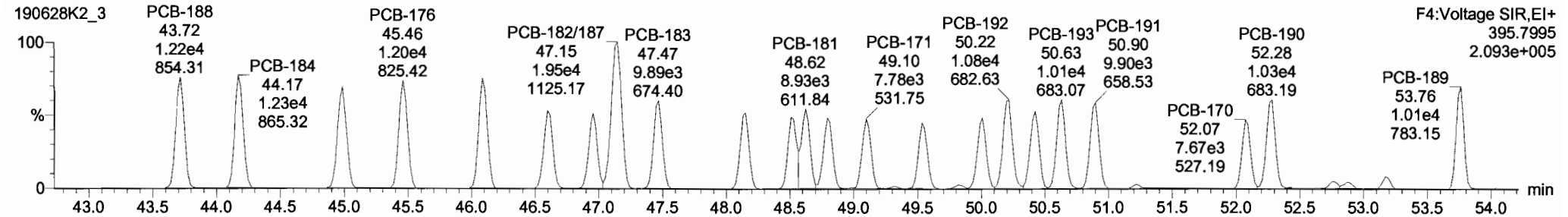
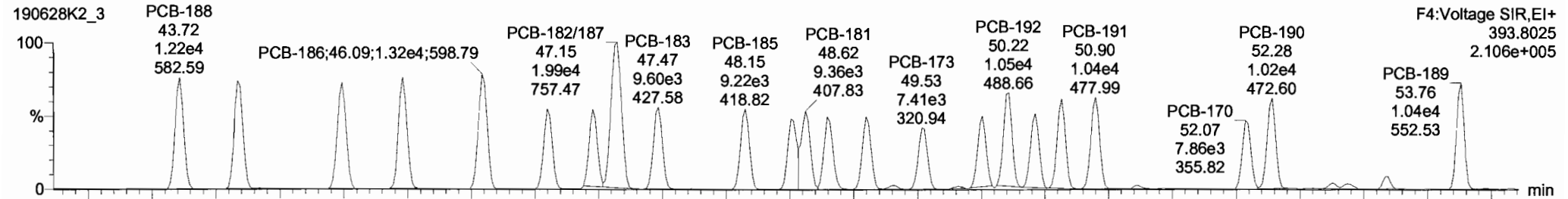


Dataset: Untitled

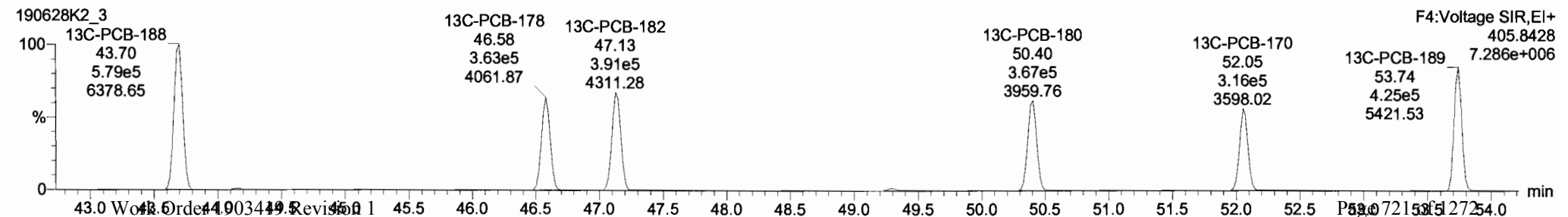
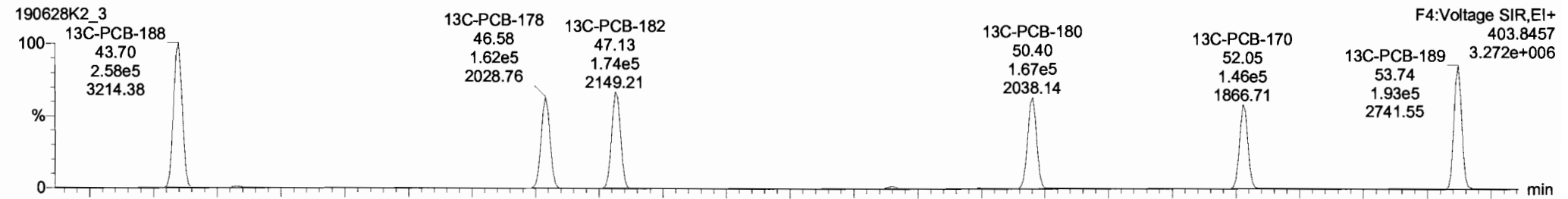
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-188



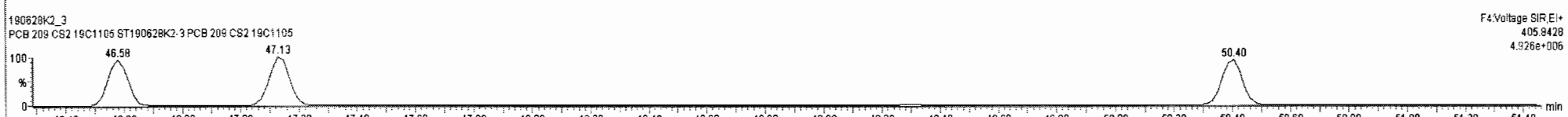
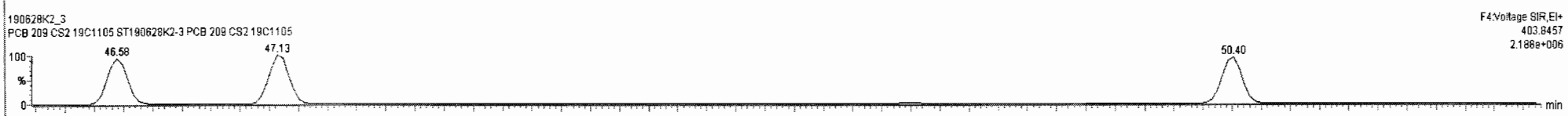
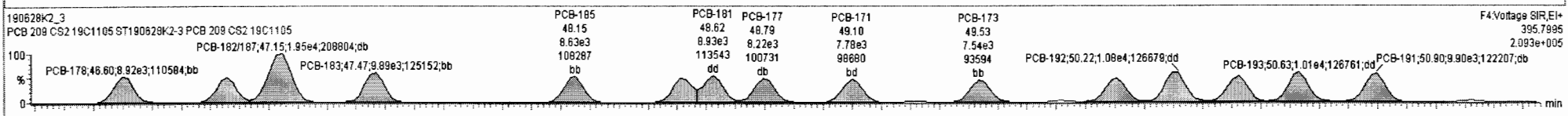
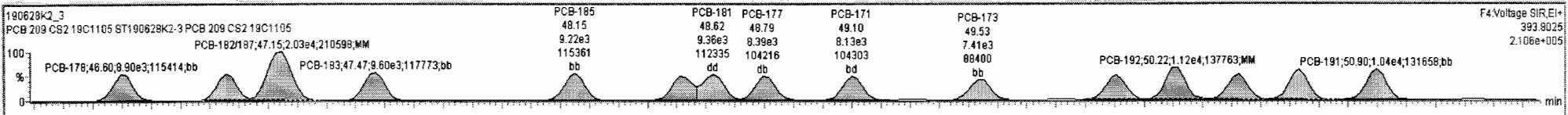
13C-PCB-188



190628K2_3 - ST190628K2-3-PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

| # | Name | Resp | RA | rly | RFR | wVvol | Pred.RT | RT | Pred.R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|---------------------------------|------|----|-----|--------|-------|---------|----|-----------|-----|----------|-------|---------|--------|------|
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 67.78 | 0.331 | 67.78 | |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 59.03 | 0.217 | 59.03 | |
| 234 | 234 4th Function Octa-PCBs | | | | 0.9863 | 1.000 | 0.00 | | 0.000 | | NO | 22.23 | 0.0651 | 22.23 | |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 7.464 | 0.0370 | 7.464 | |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 7.182 | 0.0277 | 7.182 | |
| 237 | 237 Deca-CB | | | | 0.9426 | 1.000 | 0.00 | | 0.000 | | NO | 2.376 | 0.00291 | 2.376 | |
| 238 | 238 Total PCBs | | | | | | | | | | | | | | |
| 239 | 239 Total Mono-Isotopes | | | | | | | | | | | | | | |
| 240 | 240 Total Di-Isotopes | | | | | | | | | | | | | | |
| 241 | 241 2nd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 242 | 242 3rd Function Tri-Isotopes | | | | | | | | | | | | | | |
| 243 | 243 Tetra-Isotopes | | | | 0.9849 | 1.000 | 0.00 | | 1.000 | | NO | 907.8 | 0.745 | 0.0000 | |
| 244 | 244 3rd Function Penta-Isotopes | | | | 0.9098 | 1.000 | 0.00 | | 0.000 | | NO | 711.3 | 0.260 | 0.0000 | |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | rly | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 131 PCB-188 | 43.74 | 43.72 | 1.224e4 | 1.219e4 | 1.050 | 1.00 | NO | 2.4480 | 2.4480 |
| 2 | 132 PCB-184 | 44.19 | 44.17 | 1.230e4 | 1.225e4 | 1.050 | 1.00 | NO | 2.5166 | 2.5166 |
| 3 | 133 PCB-179 | 44.98 | 44.99 | 1.222e4 | 1.170e4 | 1.050 | 1.04 | NO | 2.4325 | 2.4325 |
| 4 | 134 PCB-176 | 45.47 | 45.46 | 1.234e4 | 1.204e4 | 1.050 | 1.03 | NO | 2.5151 | 2.5151 |
| 5 | 135 PCB-186 | 46.09 | 46.08 | 1.322e4 | 1.222e4 | 1.050 | 1.08 | NO | 2.4972 | 2.4972 |
| 6 | 136 PCB-178 | 46.61 | 46.60 | 8.896e3 | 8.916e3 | 1.050 | 1.00 | NO | 2.5649 | 2.5649 |
| 7 | 137 PCB-175 | 46.97 | 46.96 | 8.910e3 | 8.290e3 | 1.050 | 1.08 | NO | 2.4250 | 2.4250 |



Vista Analytical Laboratory VG-11

Dataset: Untitled

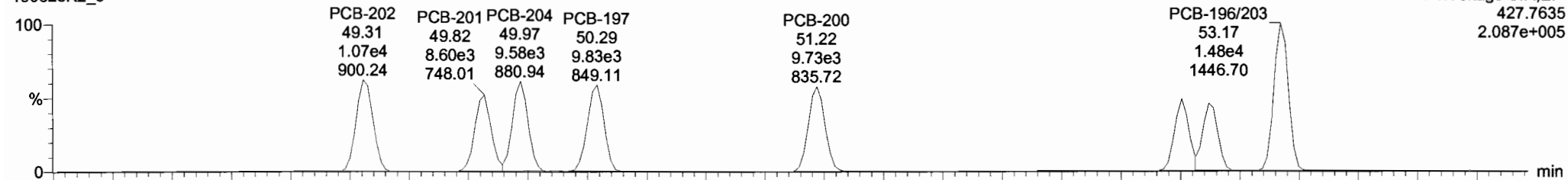
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

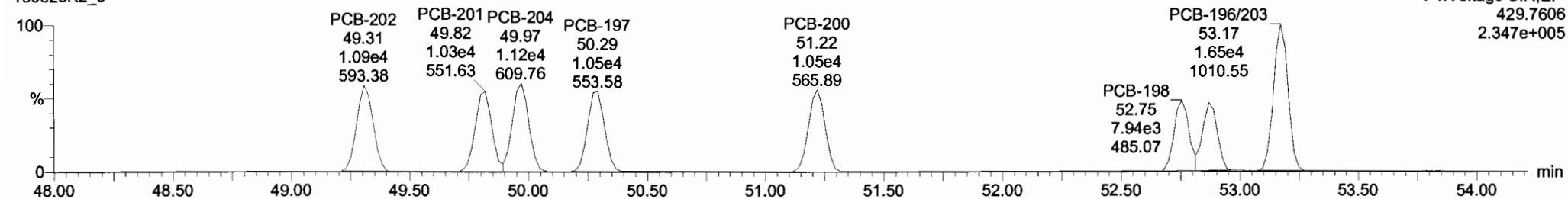
Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-202

190628K2_3

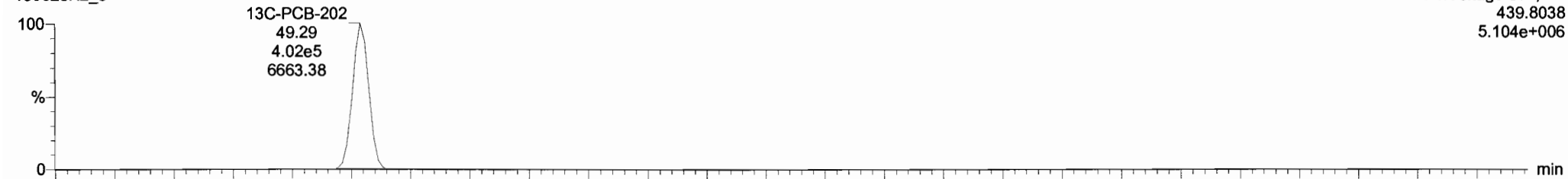


190628K2_3

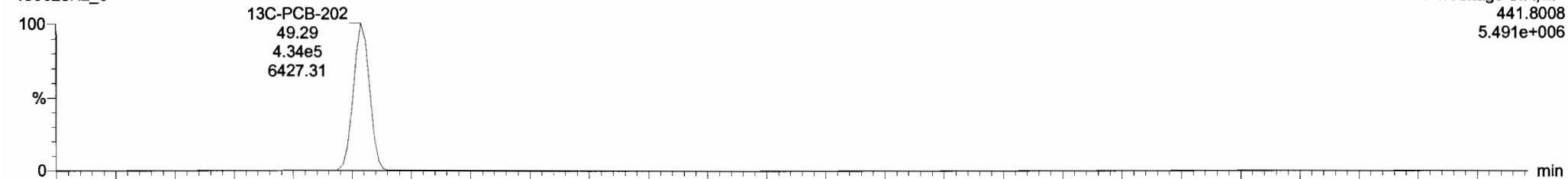


13C-PCB-202

190628K2_3



190628K2_3

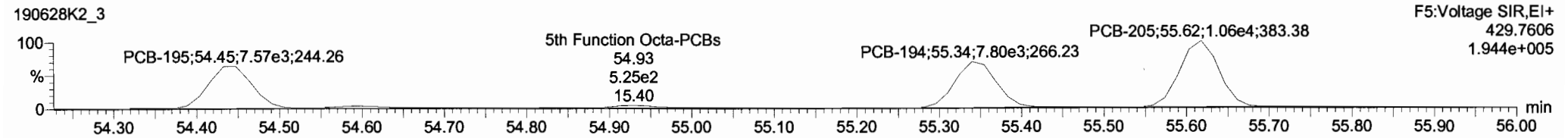
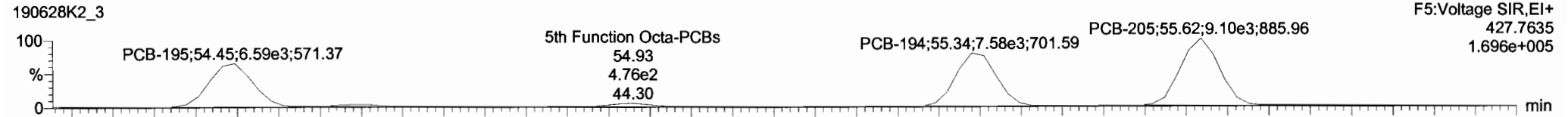


Dataset: Untitled

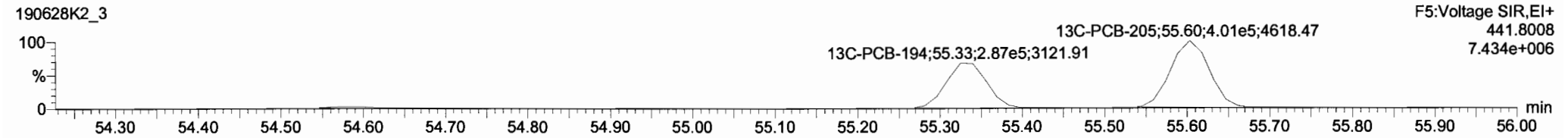
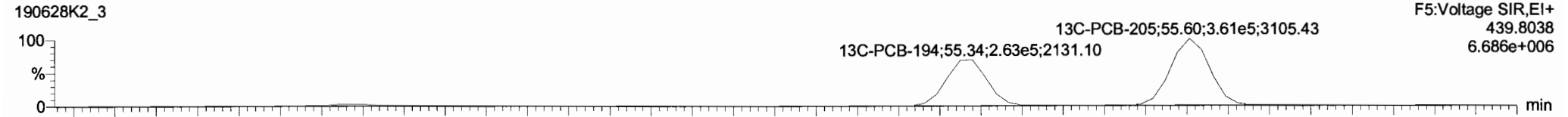
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

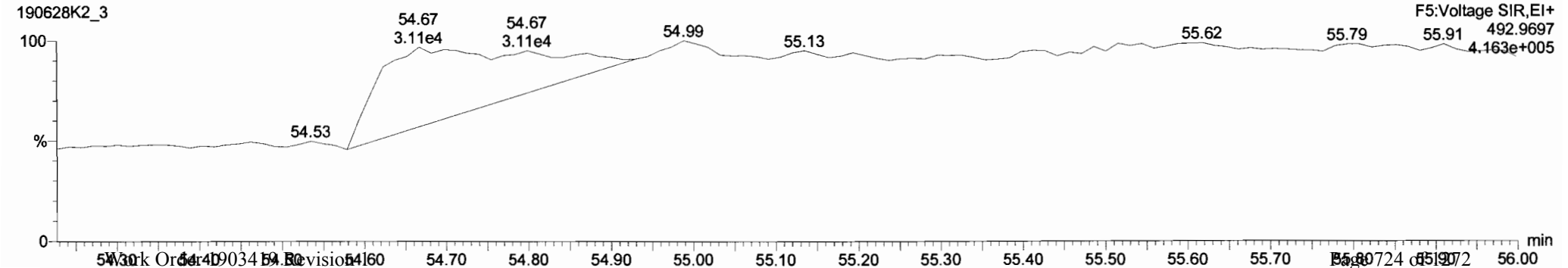
PCB-195



13C-PCB-194



PFK5

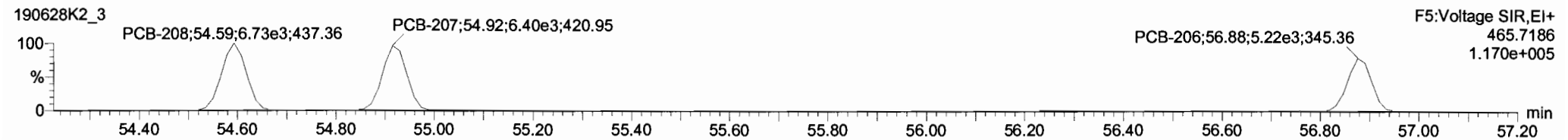
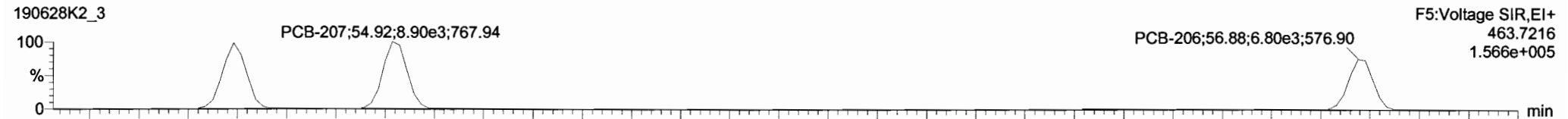


Dataset: Untitled

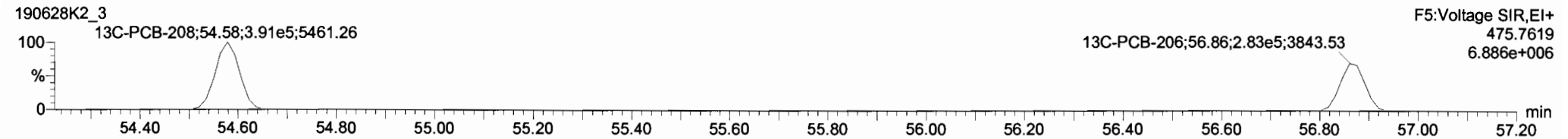
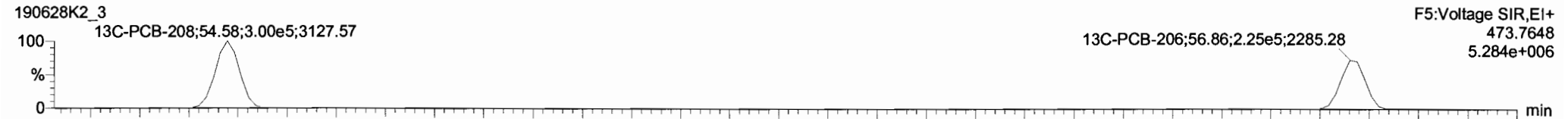
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

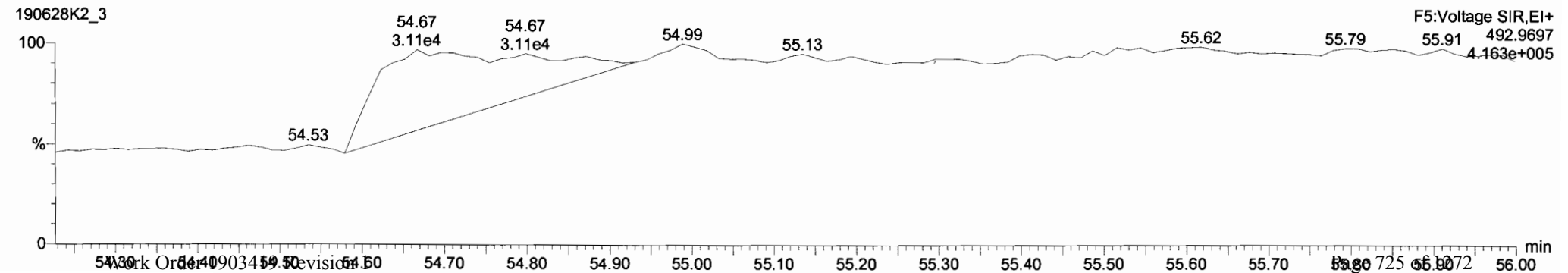
PCB-208



13C-PCB-208



PFK5

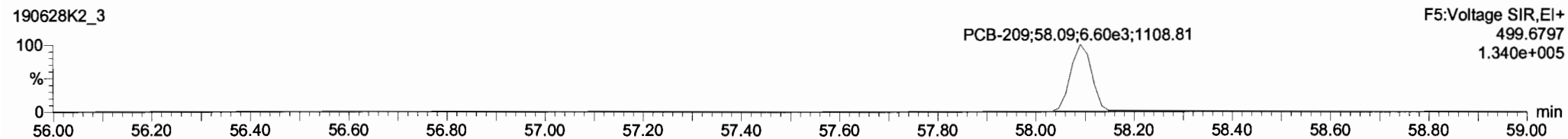
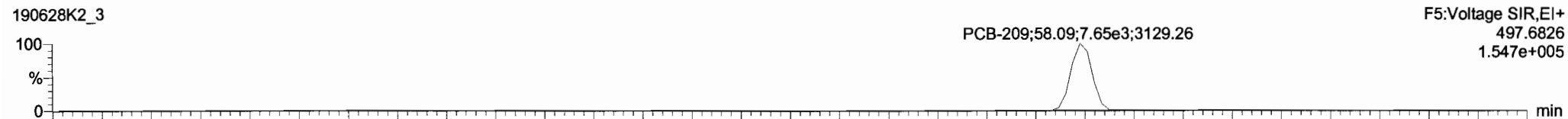


Dataset: Untitled

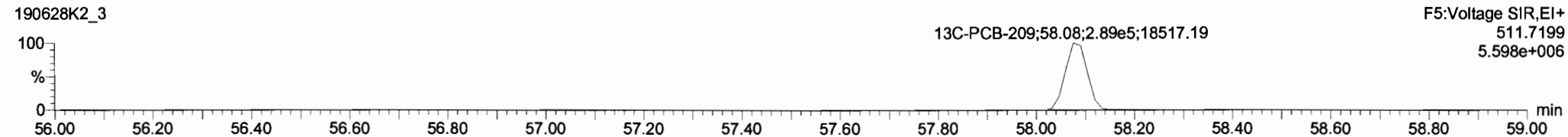
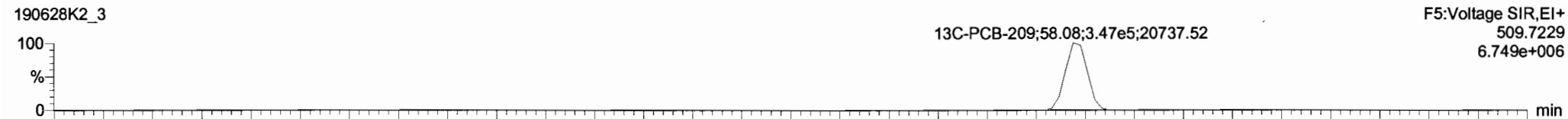
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

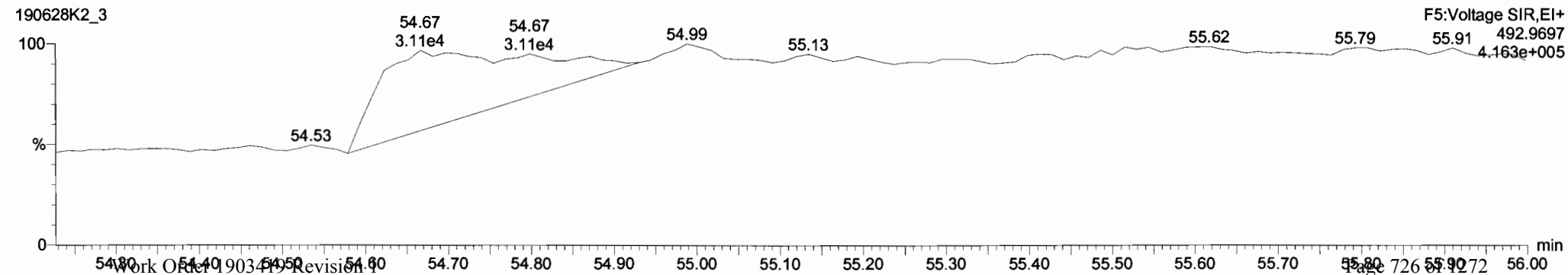
PCB-209



13C-PCB-209



PFK5



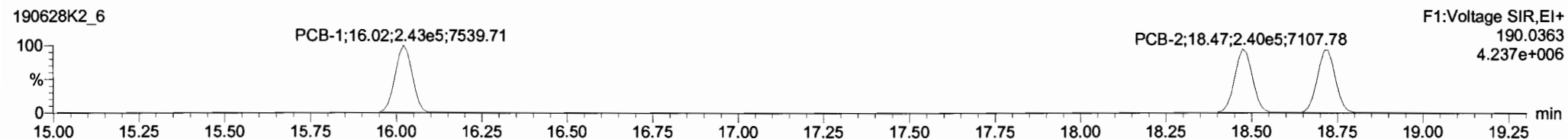
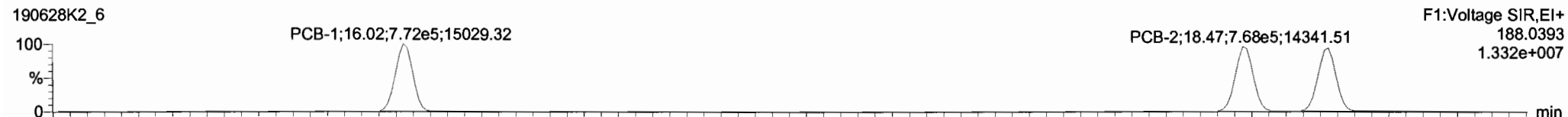
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

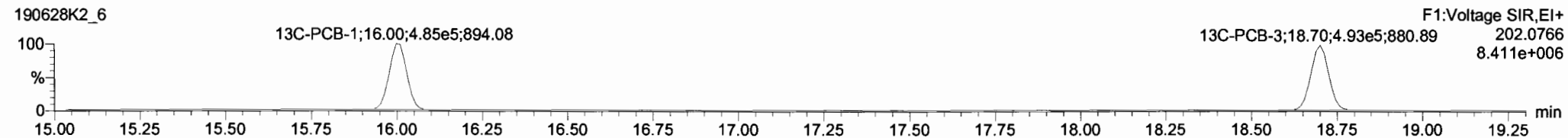
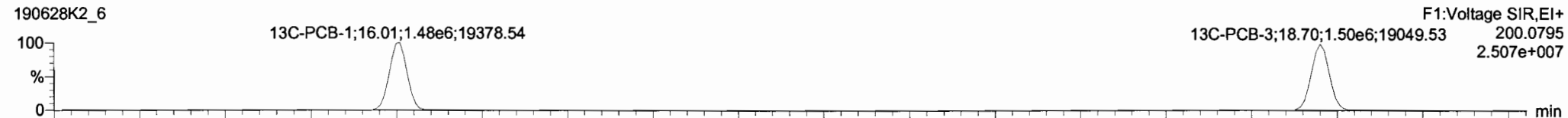
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

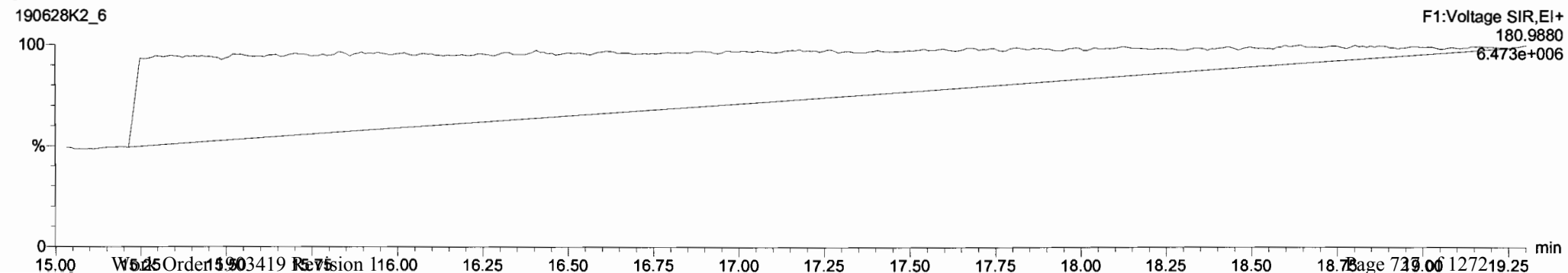
PCB-1



13C-PCB-1



PFK1

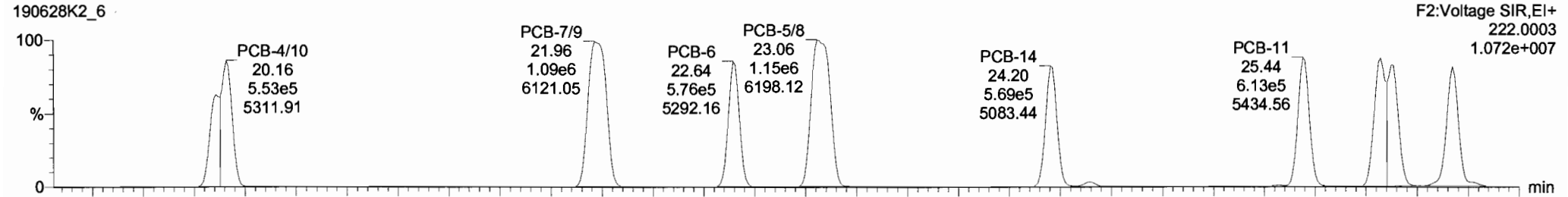


Dataset: Untitled

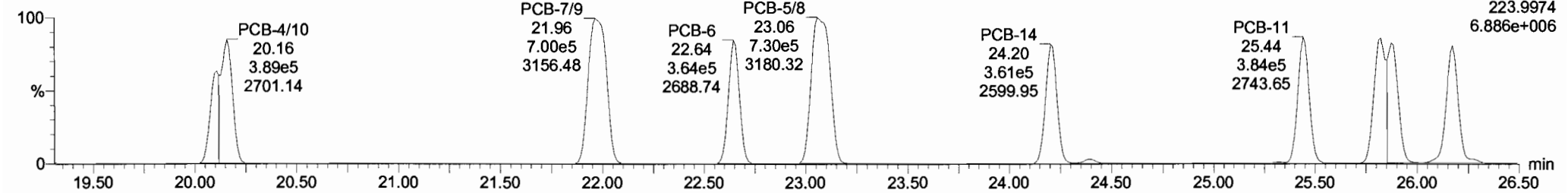
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

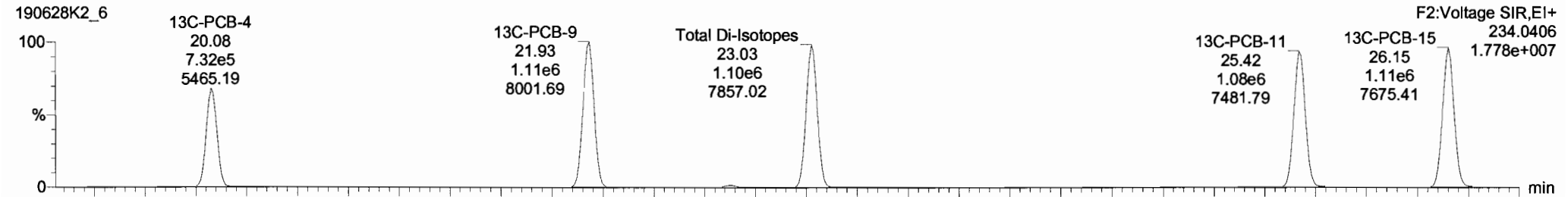
PCB-4/10



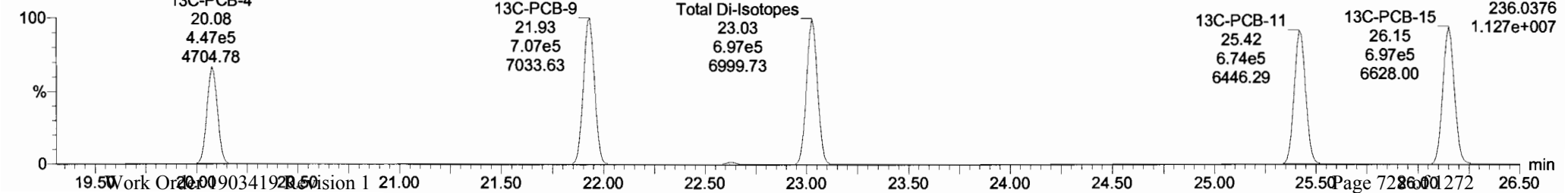
190628K2_6



13C-PCB-4

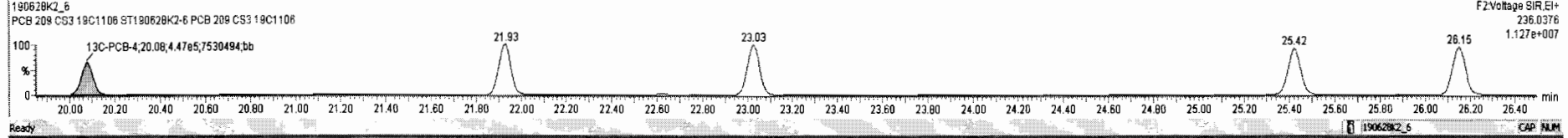
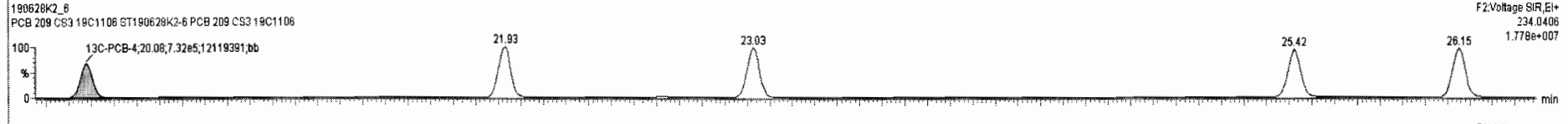
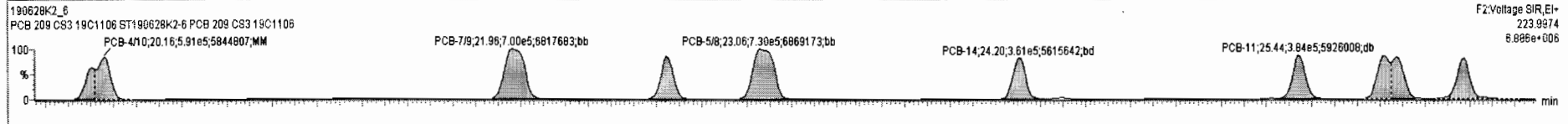
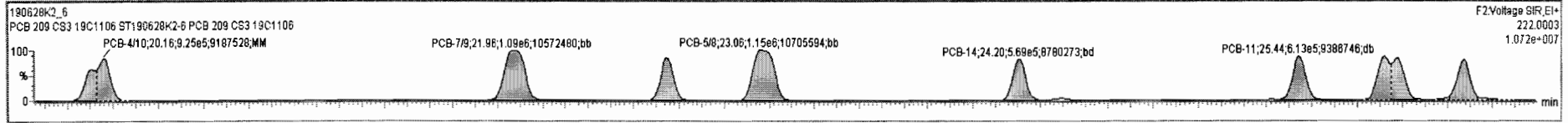


190628K2_6



| # | Name | Resp | RA | n/y | RRF | wVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 223 | 223 13C-PCB-178 | 5.66e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.56 | 0.924 | 0.924 | NO | 102.1 | 102 | 0.0730 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 151.1 | | 0.0261 | 151.1 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 611.1 | | 0.222 | 611.1 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 404.6 | | 0.0967 | 404.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 783.0 | | 0.451 | 783.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 2149 | | 0.998 | 2149 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2055 | | 0.757 | 2055 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 256.8 | | 0.173 | 256.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 705.2 | | 0.281 | 705.3 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1414 | | 1.33 | 1414 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 1229 | | 0.858 | 1229 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 451.8 | | 0.214 | 451.8 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 150.1 | | 0.0889 | 150.1 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 4 PCB-4/10 | 20.16 | 20.16 | 9.252e5 | 5.913e5 | 1.560 | 1.57 | NO | 100.88 | 100.88 |
| 2 | 5 PCB-7/8 | 21.99 | 21.96 | 1.090e5 | 7.004e5 | 1.560 | 1.56 | NO | 100.81 | 100.81 |
| 3 | 6 PCB-8 | 22.64 | 22.84 | 5.755e5 | 3.640e5 | 1.560 | 1.58 | NO | 50.777 | 50.777 |
| 4 | 7 PCB-5/8 | 23.06 | 23.06 | 1.148e6 | 7.301e5 | 1.560 | 1.57 | NO | 102.09 | 102.09 |
| 5 | 8 PCB-14 | 24.21 | 24.20 | 5.685e5 | 3.811e5 | 1.560 | 1.57 | NO | 51.341 | 51.341 |
| 6 | 9 PCB-11 | 25.44 | 25.44 | 6.133e5 | 3.836e5 | 1.560 | 1.80 | NO | 51.879 | 51.879 |
| 7 | 10 PCB-12/13 | 25.81 | 25.82 | 1.131e6 | 7.197e5 | 1.560 | 1.57 | NO | 101.81 | 101.81 |



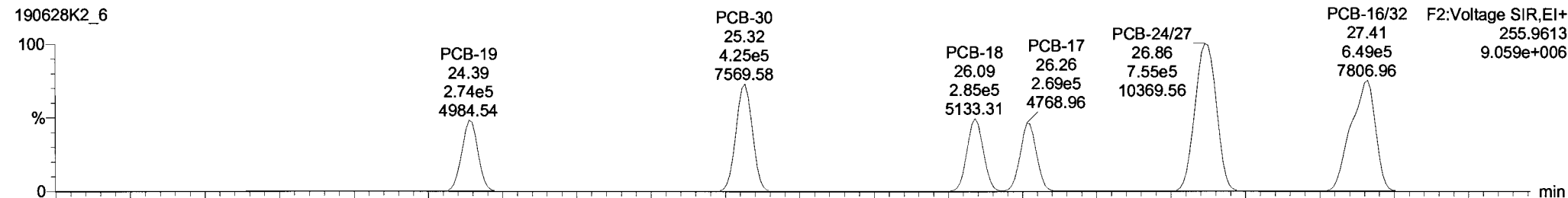
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

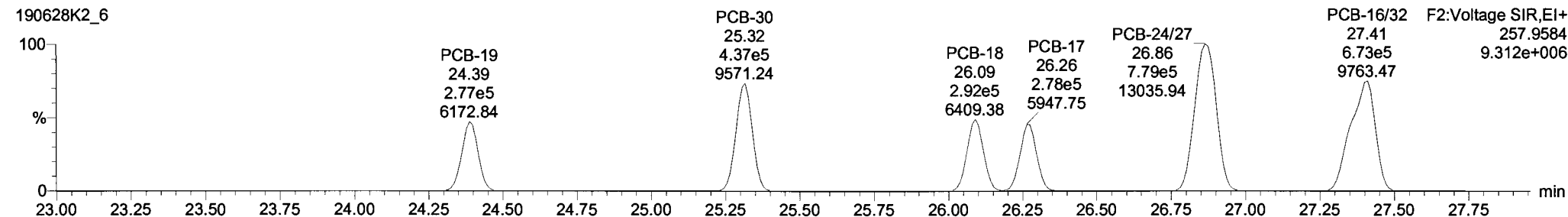
Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-19

190628K2_6

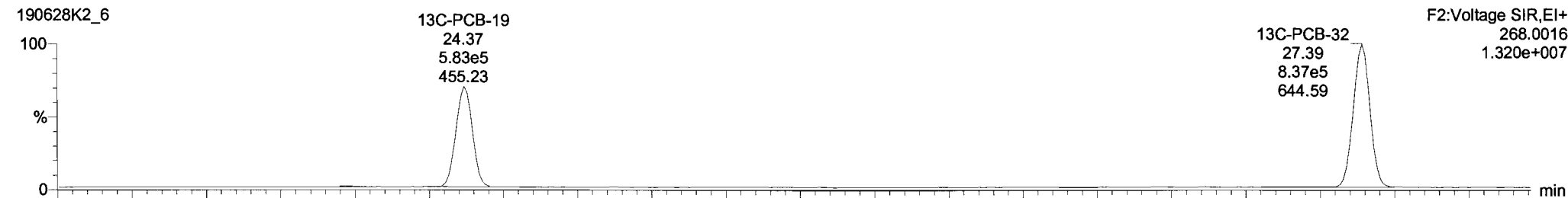


190628K2_6

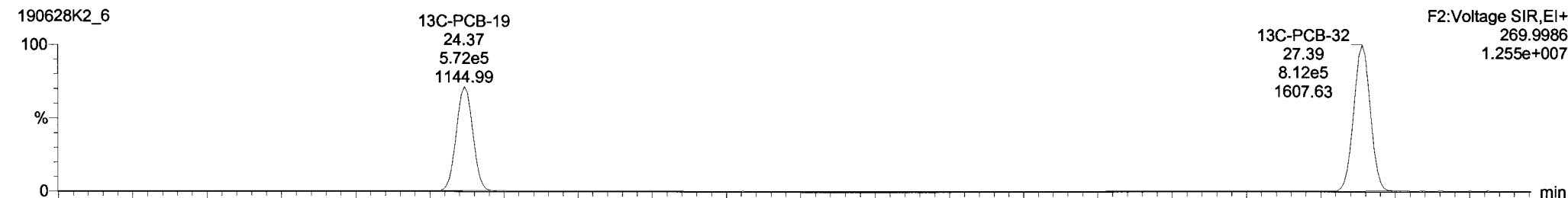


13C-PCB-19

190628K2_6



190628K2_6



Vista Analytical Laboratory VG-11

Dataset: Untitled

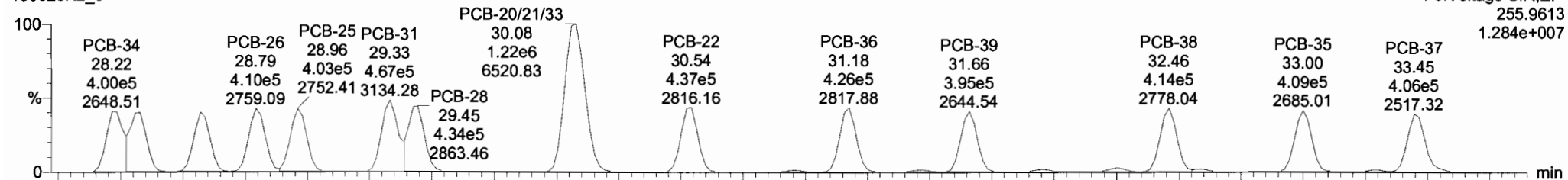
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

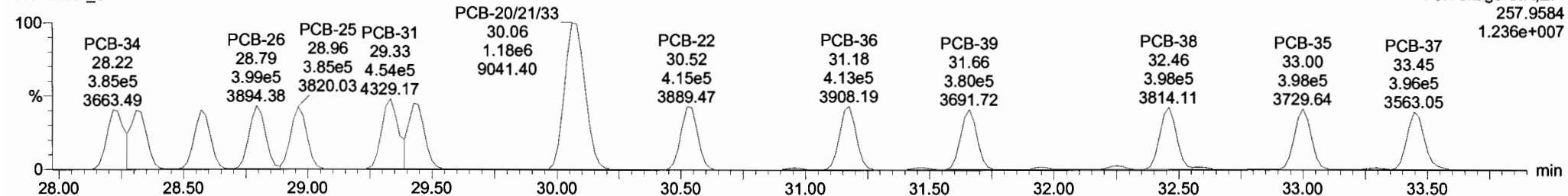
Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-34

190628K2_6

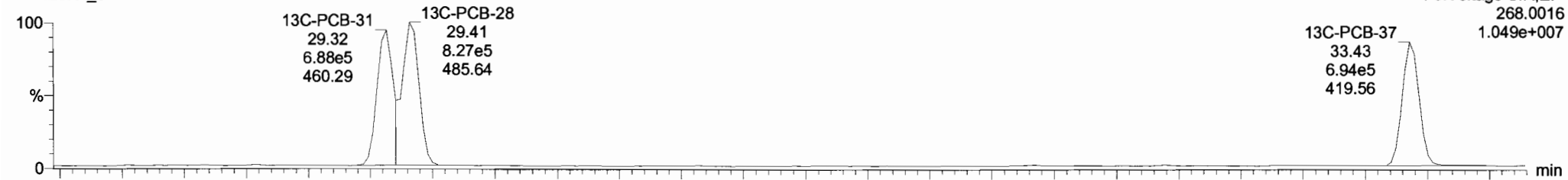


190628K2_6

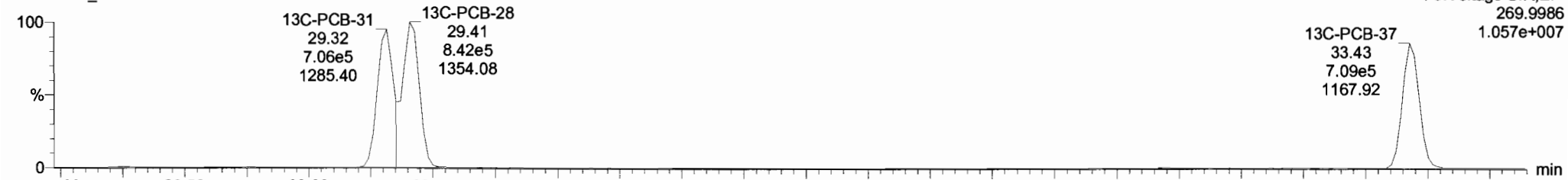


13C-PCB-28

190628K2_6



190628K2_6

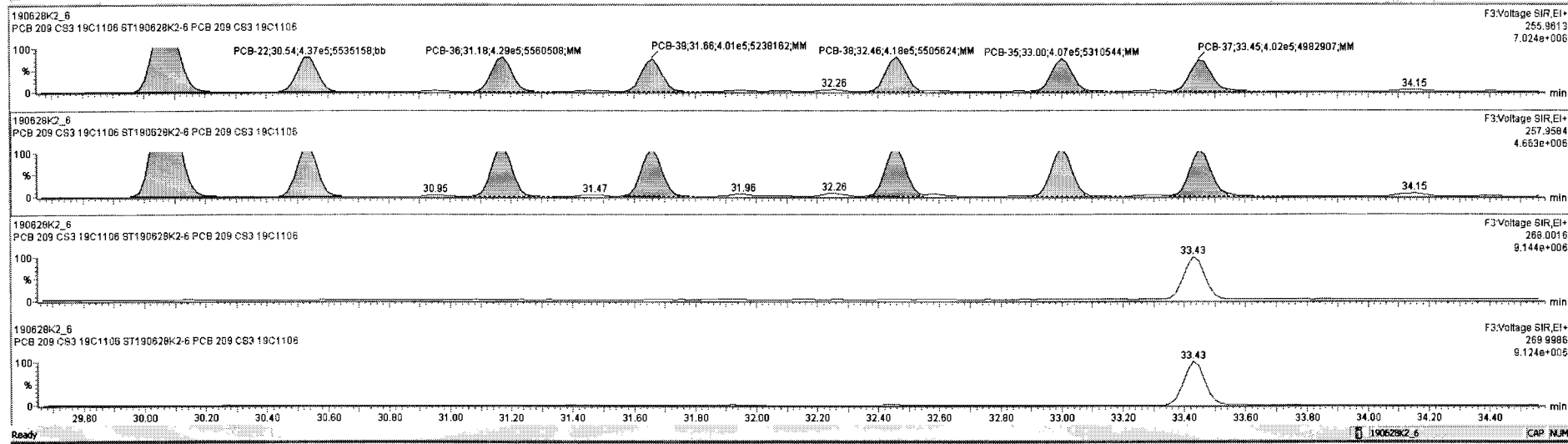


TargetLynx - 190628K2_CRY.qld - [Chromatogram]

190628K2_6 - ST190628K2-6 PCB 209 CS3 19C 1106 - PCB 209 CS3 19C 1106

| # | Name | Resp | RA | nY | RRF | wt/Avl | Prod RT | RT | Prod R | RRT | RRT Fall | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|----|--------|--------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 223 | 223 13C-PCB-178 | 5.66e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.56 | 0.924 | 0.924 | NO | 102.1 | 102 | 0.0730 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0722 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 151.1 | | 0.0261 | 151.1 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 611.1 | | 0.222 | 611.1 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 404.6 | | 0.0967 | 404.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 783.0 | | 0.451 | 783.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 2149 | | 0.998 | 2149 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 2055 | | 0.757 | 2055 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 256.8 | | 0.173 | 256.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 705.2 | | 0.281 | 705.3 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 1414 | | 1.33 | 1414 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 1229 | | 0.858 | 1229 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 451.6 | | 0.214 | 451.6 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 150.1 | | 0.0869 | 150.1 |

| # | Name | Prod RT | RT | m1 Resp | m2 Resp | *% Ratio (Prod) | RA | nY | EMPC | Conc. |
|---|-----------|---------|-------|---------|---------|-----------------|------|----|--------|--------|
| 1 | 18 PCB-34 | 28.22 | 28.22 | 3.908e5 | 3.849e5 | 1.040 | 1.04 | NO | 47.599 | 47.599 |
| 2 | 19 PCB-23 | 28.31 | 28.33 | 3.968e5 | 3.761e5 | 1.040 | 1.05 | NO | 47.531 | 47.532 |
| 3 | 20 PCB-29 | 28.57 | 28.57 | 3.833e5 | 3.697e5 | 1.040 | 1.04 | NO | 47.318 | 47.317 |
| 4 | 21 PCB-26 | 28.79 | 28.79 | 4.103e5 | 3.989e5 | 1.040 | 1.03 | NO | 48.430 | 48.430 |
| 5 | 22 PCB-25 | 28.96 | 28.96 | 4.032e5 | 3.855e5 | 1.040 | 1.05 | NO | 48.314 | 48.314 |
| 6 | 23 PCB-31 | 29.31 | 29.33 | 4.671e5 | 4.538e5 | 1.040 | 1.03 | NO | 49.119 | 49.119 |
| 7 | 24 PCB-28 | 29.43 | 29.44 | 4.343e5 | 4.216e5 | 1.040 | 1.03 | NO | 46.367 | 46.367 |

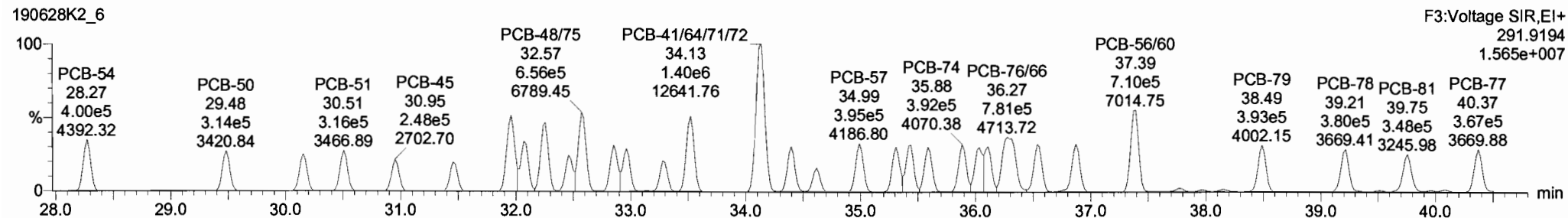
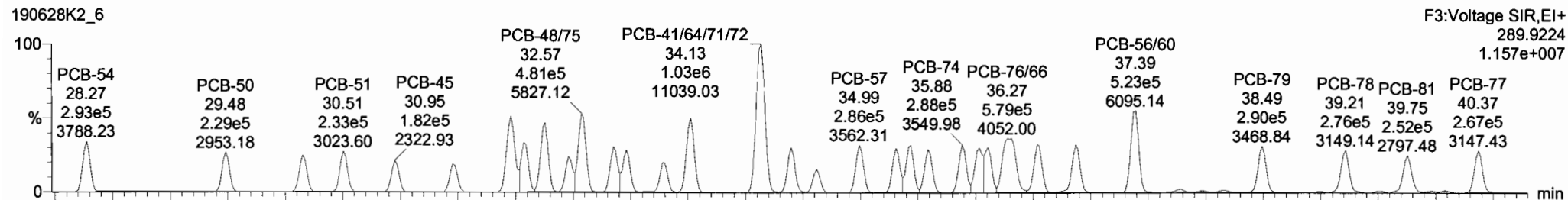


Dataset: Untitled

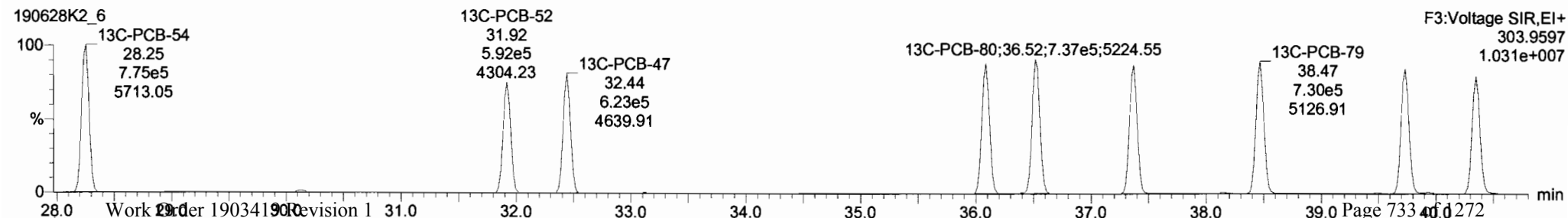
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-54



13C-PCB-54

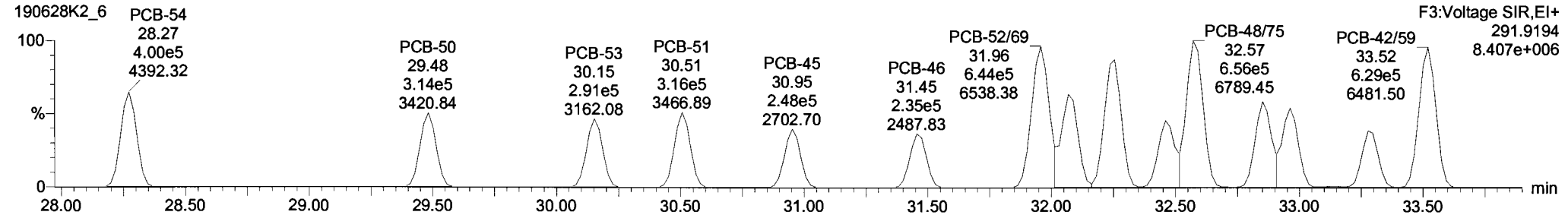
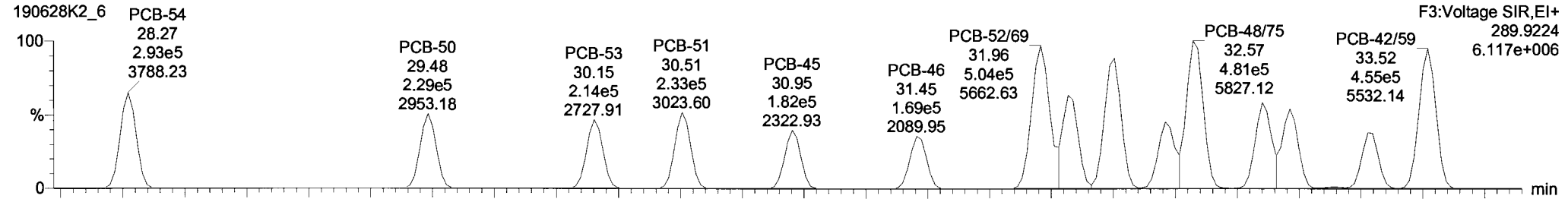


Dataset: Untitled

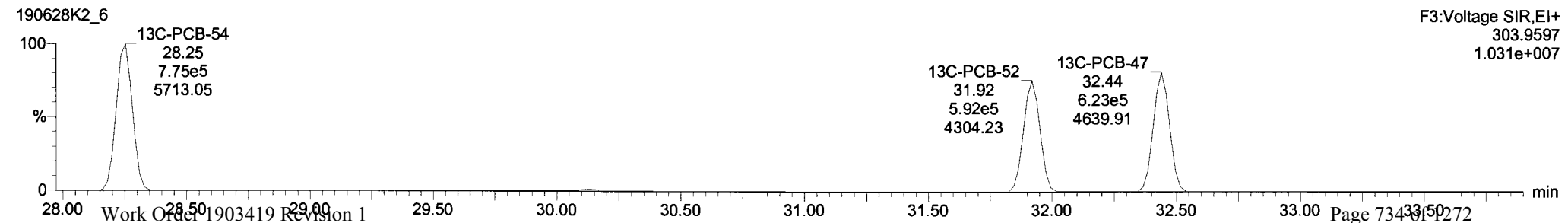
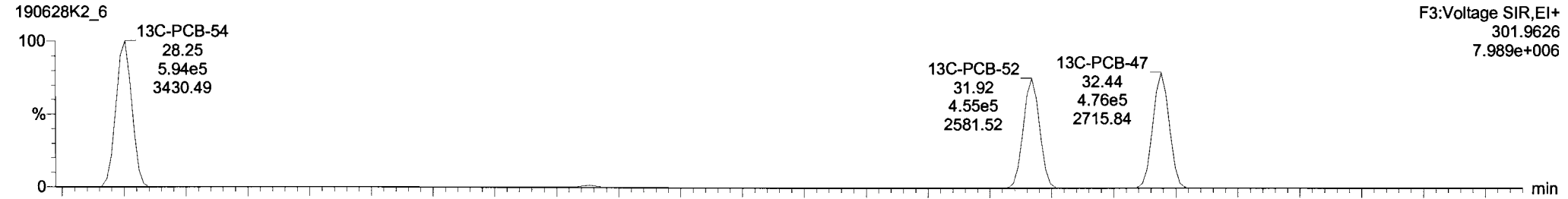
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-50



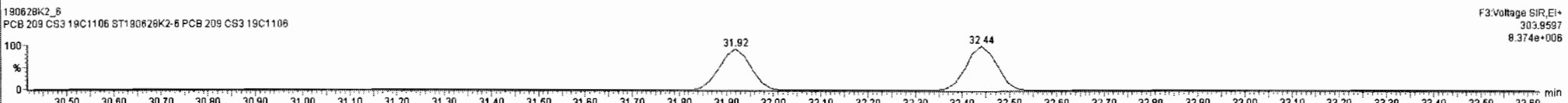
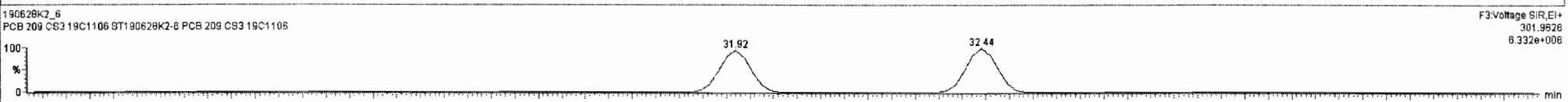
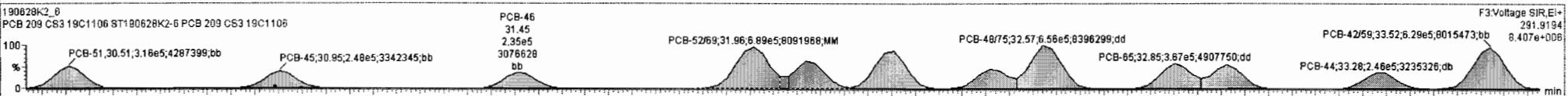
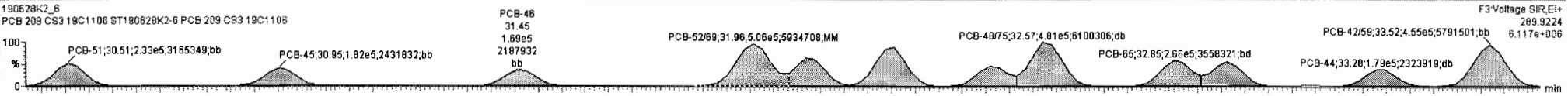
13C-PCB-52



190628K2_6 - ST190628K2-6 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RT | RRT | RRT-Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|---------|-------|----------|-------|------|--------|-------|
| 223 | 223 13C-PCB-178 | 5.66e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.56 | 0.924 | 0.924 | NO | 102.1 | 102 | 0.0730 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 151.1 | | 0.0281 | 151.1 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 611.1 | | 0.222 | 611.1 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 404.6 | | 0.0967 | 404.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 783.0 | | 0.451 | 783.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.8861 | 1.000 | 0.00 | | 0.000 | | NO | 2149 | | 0.998 | 2149 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2055 | | 0.757 | 2055 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 256.8 | | 0.173 | 256.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 705.2 | | 0.281 | 705.3 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1414 | | 1.33 | 1414 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 1229 | | 0.858 | 1229 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 451.6 | | 0.214 | 451.6 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 150.1 | | 0.0869 | 150.1 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | % Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 1 | 32 PCB-54 | 28.27 | 28.27 | 2.928e5 | 3.999e5 | 0.770 | 0.73 | NO | 50.838 | 50.837 |
| 2 | 33 PCB-50 | 29.49 | 29.48 | 2.292e5 | 3.141e5 | 0.770 | 0.73 | NO | 50.822 | 50.822 |
| 3 | 34 PCB-53 | 30.16 | 30.15 | 2.143e5 | 2.907e5 | 0.770 | 0.74 | NO | 50.527 | 50.528 |
| 4 | 35 PCB-51 | 30.52 | 30.51 | 2.330e5 | 3.160e5 | 0.770 | 0.74 | NO | 51.248 | 51.248 |
| 5 | 36 PCB-45 | 30.96 | 30.95 | 1.820e5 | 2.481e5 | 0.770 | 0.73 | NO | 50.871 | 50.870 |
| 6 | 37 PCB-46 | 31.45 | 31.45 | 1.695e5 | 2.355e5 | 0.770 | 0.72 | NO | 51.351 | 51.351 |
| 7 | 38 PCB-52/69 | 31.96 | 31.96 | 5.057e5 | 6.892e5 | 0.770 | 0.73 | NO | 104.58 | 104.58 |

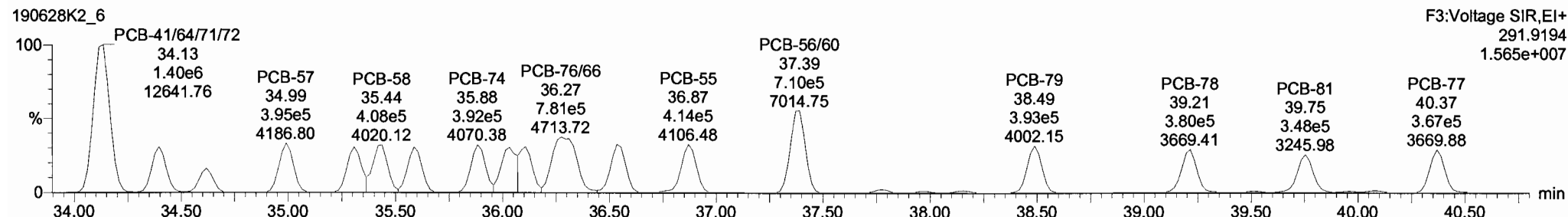
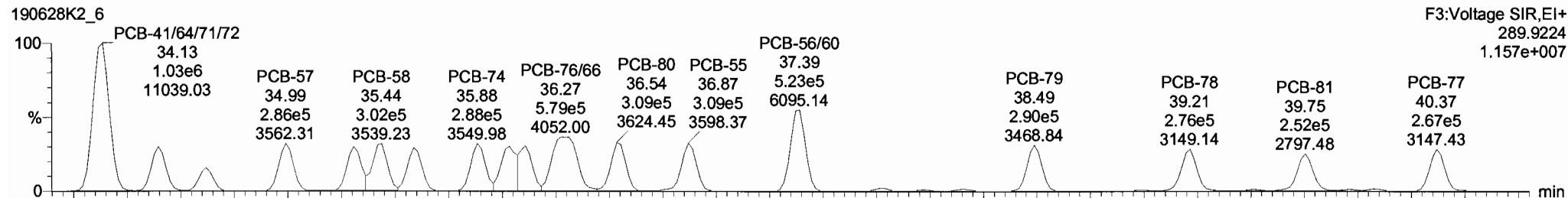


Dataset: Untitled

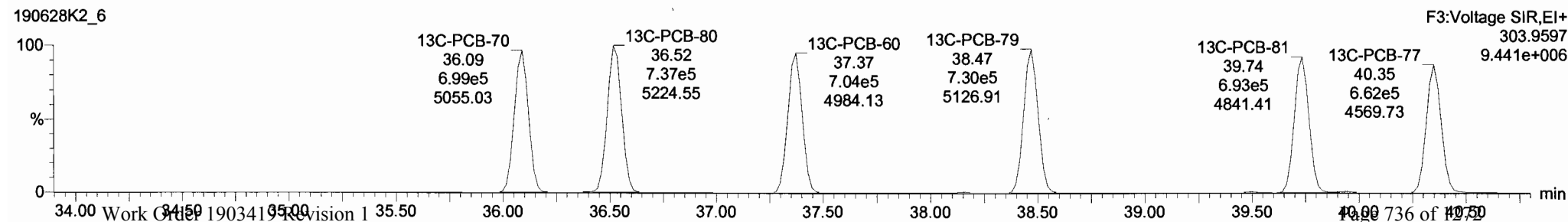
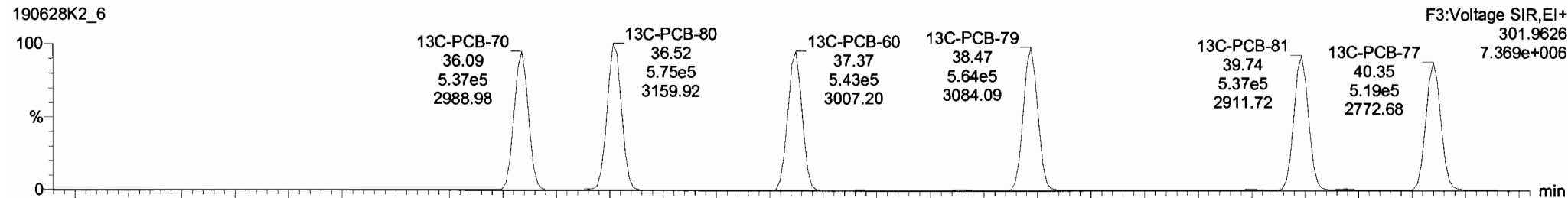
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-68

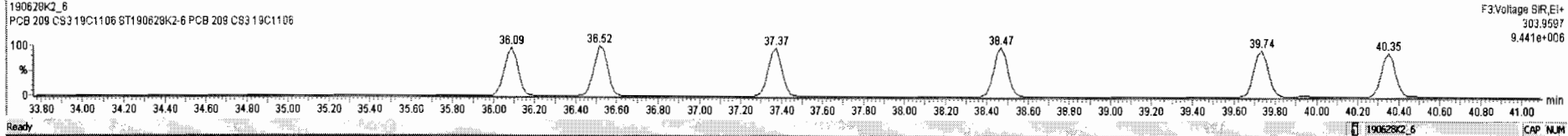
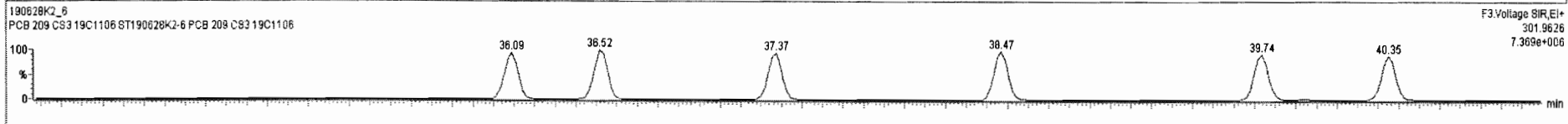
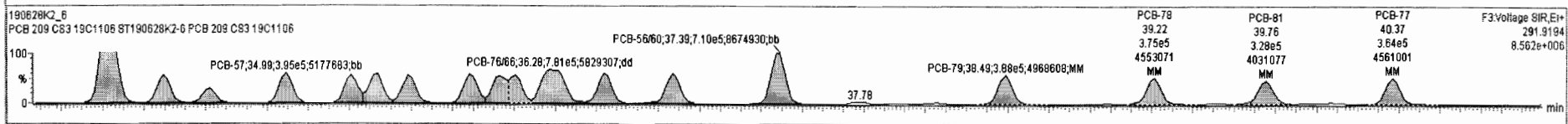
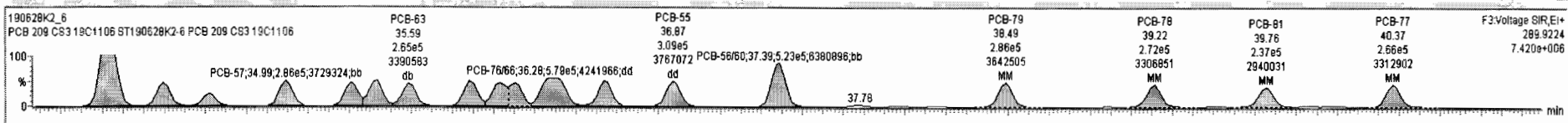


13C-PCB-60



| # | Name | Resp | RA | n/y | RF | wtVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 223 | 223 13C-PCB-178 | 5.68e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.56 | 0.924 | 0.924 | NO | 102.1 | 102 | 0.0730 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 151.1 | | 0.0261 | 151.1 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 811.1 | | 0.222 | 811.1 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 404.6 | | 0.0987 | 404.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 783.0 | | 0.451 | 783.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 2149 | | 0.998 | 2149 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2055 | | 0.757 | 2055 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 258.8 | | 0.173 | 258.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 705.2 | | 0.281 | 705.3 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1414 | | 1.33 | 1414 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 1229 | | 0.858 | 1229 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 451.6 | | 0.214 | 451.6 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 150.1 | | 0.0869 | 150.1 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 32 PCB-54 | 28.27 | 28.27 | 2.928e5 | 3.999e5 | 0.770 | 0.73 | NO | 50.838 | 50.837 |
| 2 | 33 PCB-50 | 29.49 | 29.48 | 2.282e5 | 3.141e5 | 0.770 | 0.73 | NO | 50.822 | 50.822 |
| 3 | 34 PCB-53 | 30.16 | 30.15 | 2.143e5 | 2.907e5 | 0.770 | 0.74 | NO | 50.527 | 50.528 |
| 4 | 35 PCB-51 | 30.52 | 30.51 | 2.300e5 | 3.160e5 | 0.770 | 0.74 | NO | 51.248 | 51.248 |
| 5 | 36 PCB-45 | 30.98 | 30.95 | 1.820e5 | 2.481e5 | 0.770 | 0.73 | NO | 50.871 | 50.870 |
| 6 | 37 PCB-46 | 31.45 | 31.45 | 1.695e5 | 2.355e5 | 0.770 | 0.72 | NO | 51.351 | 51.351 |
| 7 | 38 PCB-52/69 | 31.96 | 31.96 | 5.057e5 | 6.892e5 | 0.770 | 0.73 | NO | 104.58 | 104.58 |



Dataset: Untitled

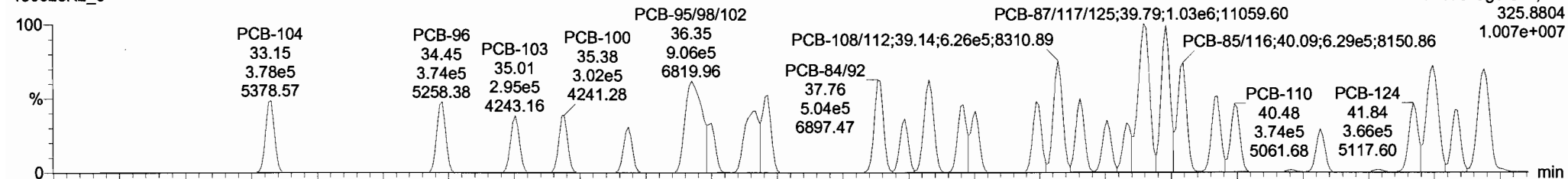
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

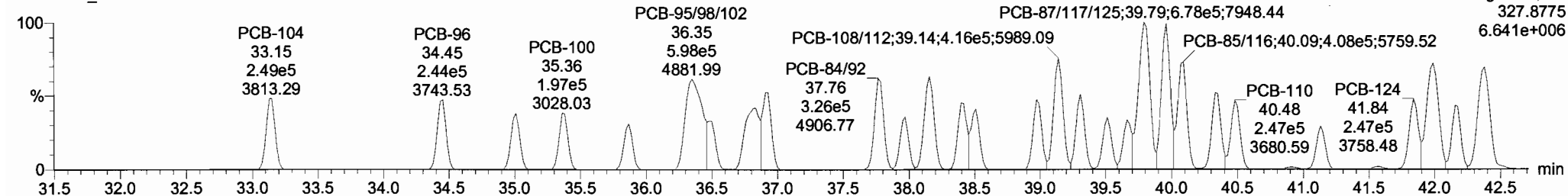
Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-104

190628K2_6

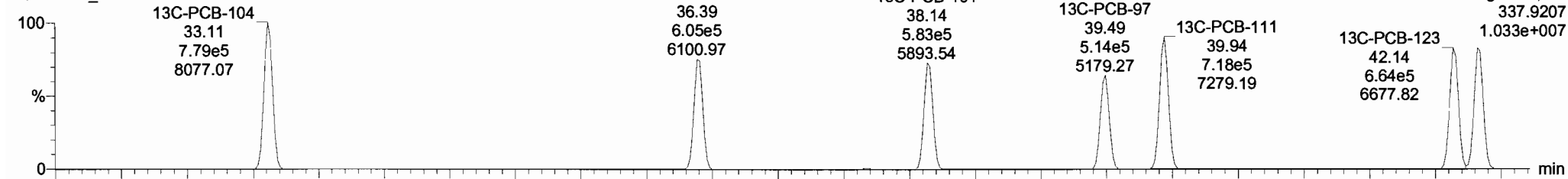


190628K2_6

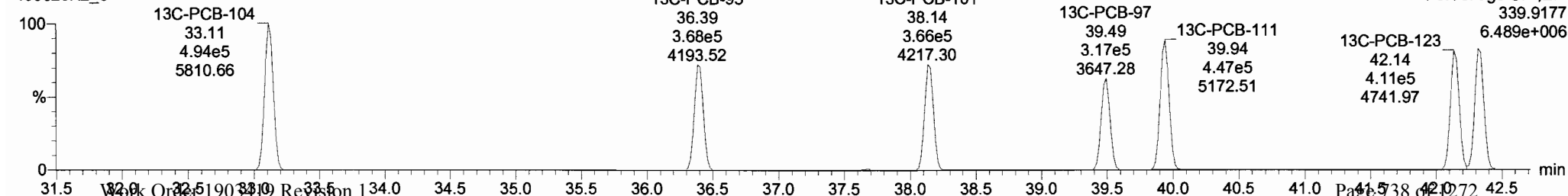


13C-PCB-104

190628K2_6

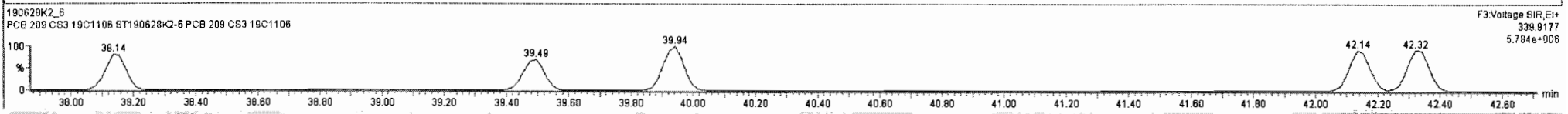
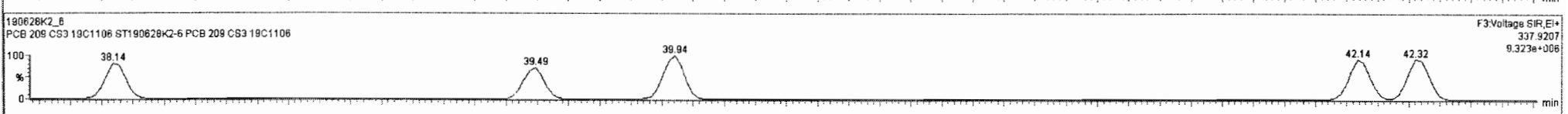
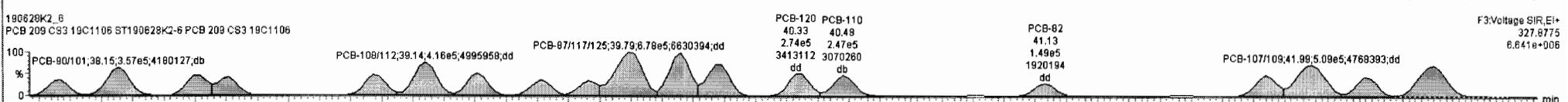
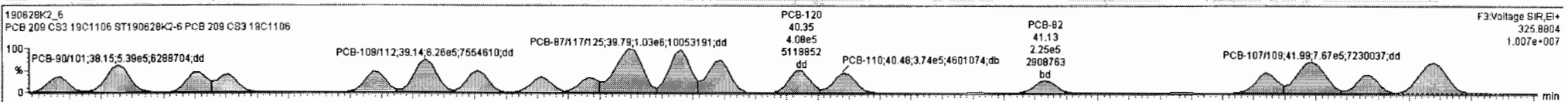


190628K2_6



| # | Name | Resp | RA | n/N | RFI | wt/Vol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 223 | 223 13C-PCB-17B | 5.56e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 102.1 | 102 | 0.0730 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 151.1 | | 0.0261 | 151.1 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 611.1 | | 0.222 | 611.1 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 404.6 | | 0.0967 | 404.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 783.0 | | 0.451 | 783.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 2149 | | 0.998 | 2149 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2055 | | 0.757 | 2055 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 256.8 | | 0.173 | 256.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 705.2 | | 0.261 | 705.2 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1414 | | 1.33 | 1414 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 1229 | | 0.858 | 1229 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 451.6 | | 0.214 | 451.6 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 150.1 | | 0.0869 | 150.1 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/N | EMPC | Conc |
|----|---------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 64 | PCB-104 | 33.13 | 33.15 | 3.781e5 | 2.491e5 | 1.560 | 1.52 | NO | 49.515 | 49.514 |
| 65 | PCB-96 | 34.45 | 34.45 | 3.730e5 | 2.445e5 | 1.560 | 1.53 | NO | 48.755 | 48.755 |
| 66 | PCB-103 | 35.01 | 35.01 | 2.950e5 | 1.926e5 | 1.560 | 1.53 | NO | 49.443 | 49.443 |
| 67 | PCB-100 | 35.38 | 35.38 | 3.019e5 | 1.968e5 | 1.560 | 1.53 | NO | 50.359 | 50.359 |
| 68 | PCB-94 | 35.87 | 35.87 | 2.342e5 | 1.553e5 | 1.560 | 1.51 | NO | 51.739 | 51.739 |
| 69 | PCB-95/98/102 | 36.36 | 36.35 | 9.063e5 | 5.984e5 | 1.560 | 1.51 | NO | 152.36 | 152.36 |
| 70 | PCB-93 | 36.49 | 36.50 | 2.414e5 | 1.584e5 | 1.560 | 1.54 | NO | 48.600 | 48.600 |

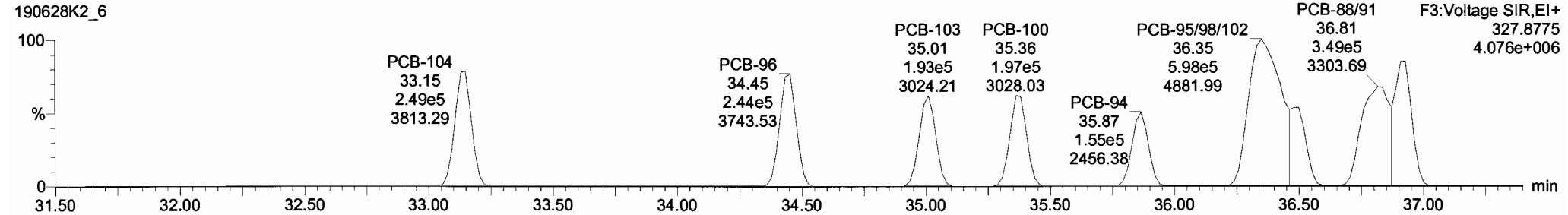
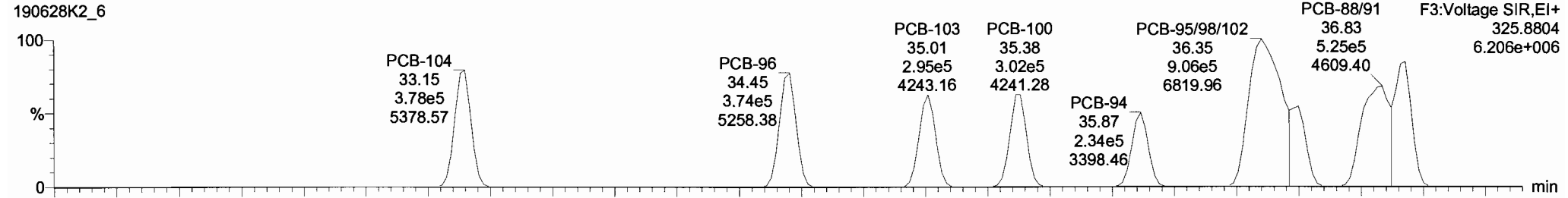


Dataset: Untitled

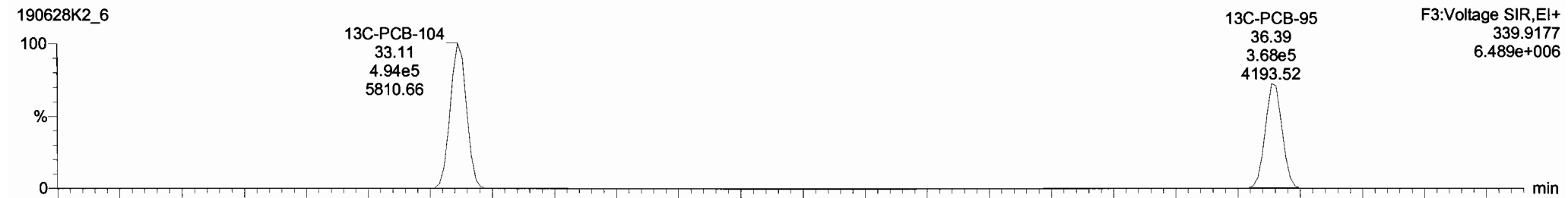
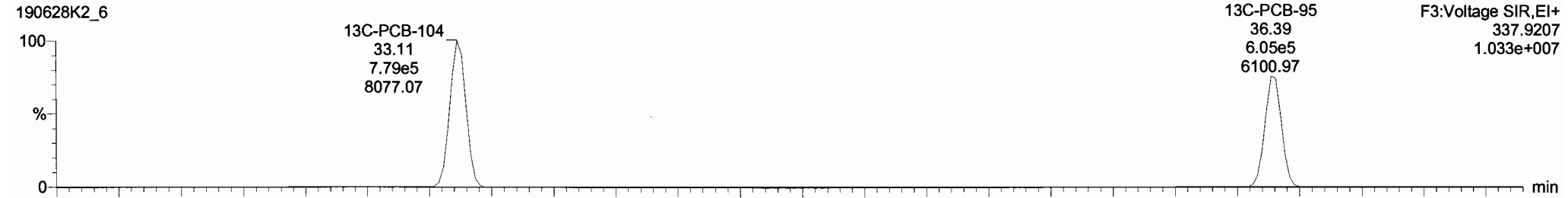
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-96



13C-PCB-95



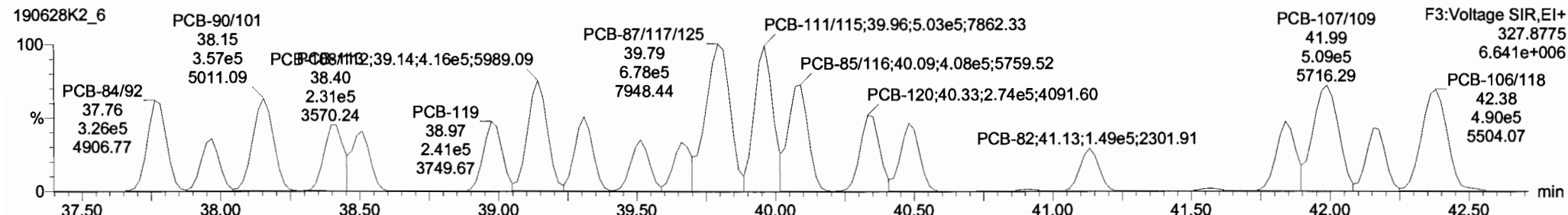
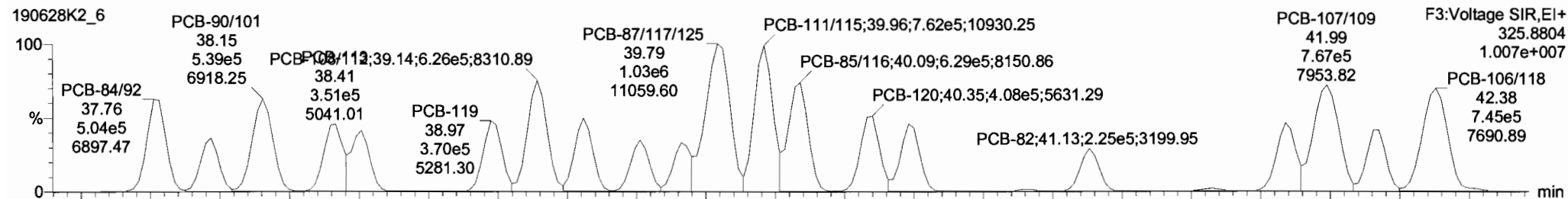
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

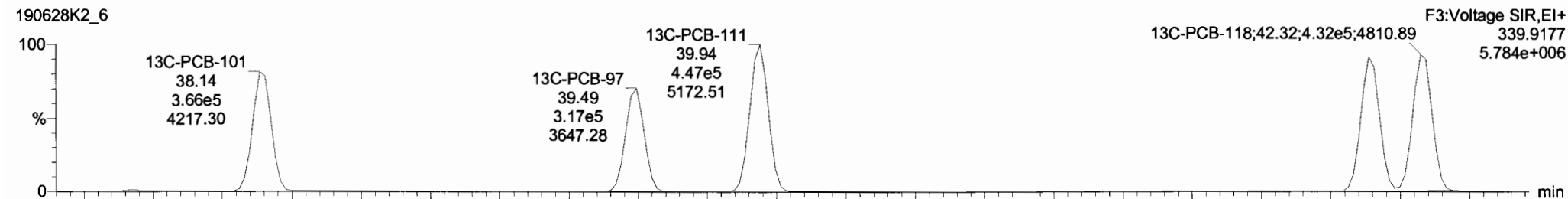
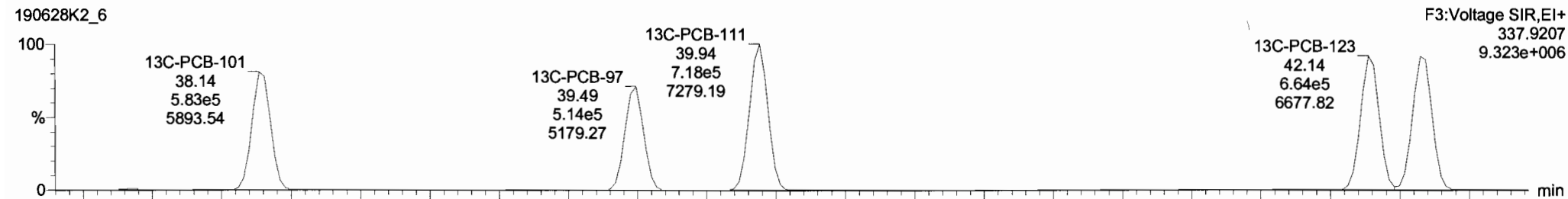
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-119



13C-PCB-111



Vista Analytical Laboratory VG-11

Dataset: Untitled

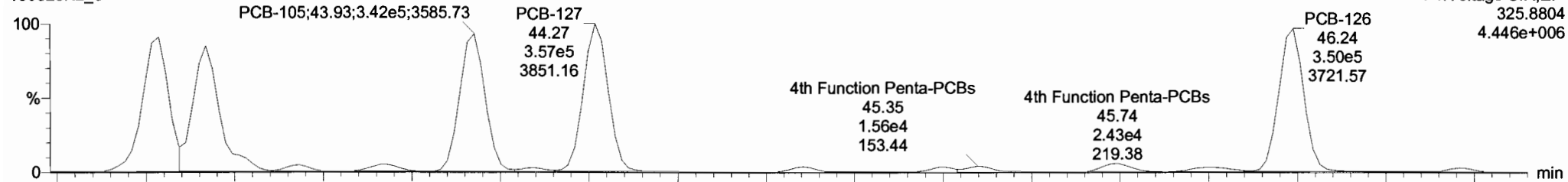
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

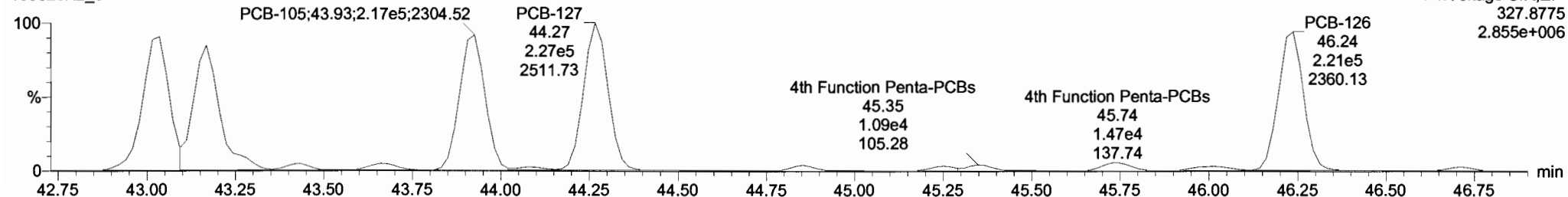
Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-114

190628K2_6

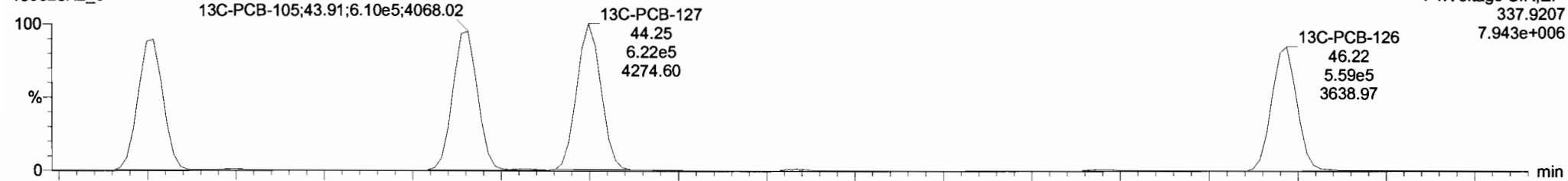


190628K2_6

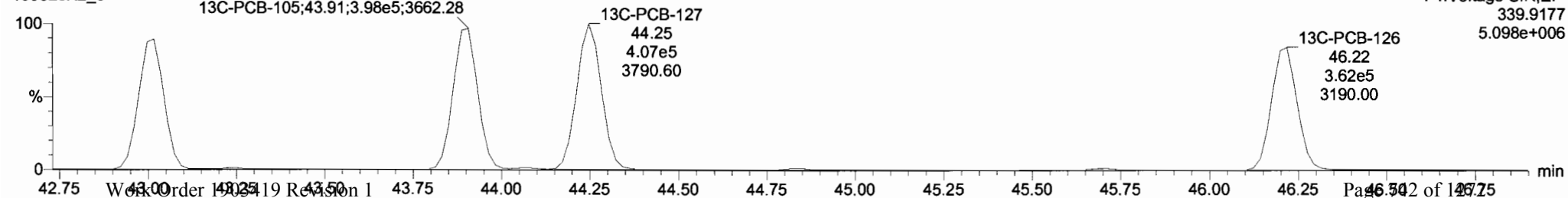


13C-PCB-114

190628K2_6

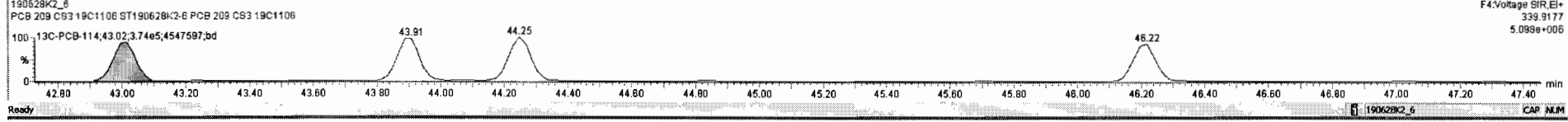
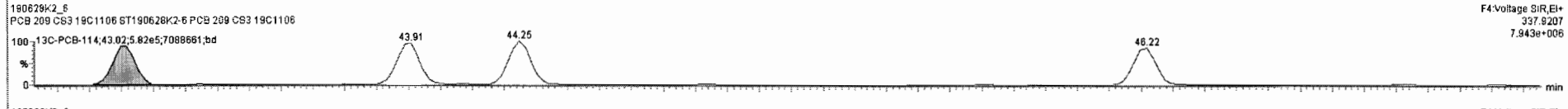
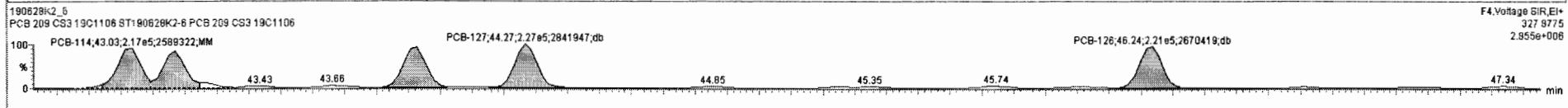
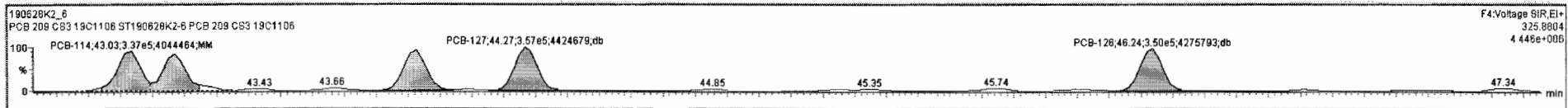


190628K2_6



| # | Name | Resp | RA | n/y | RRF | wVol | Pred.RT | RT | Pred.R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|-----------|-------|----------|-------|------|--------|-------|
| 223 | 223 13C-PCB-176 | 5.88e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.56 | 0.924 | 0.924 | NO | 102.1 | 102 | 0.0730 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 151.1 | | 0.0261 | 151.1 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 811.1 | | 0.222 | 811.1 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 404.6 | | 0.0967 | 404.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 783.0 | | 0.451 | 783.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | | 0.000 | | NO | 2149 | | 0.996 | 2149 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2055 | | 0.757 | 2055 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 258.8 | | 0.173 | 258.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 705.2 | | 0.281 | 705.3 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1414 | | 1.33 | 1414 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 1229 | | 0.656 | 1229 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 451.6 | | 0.214 | 451.6 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 150.1 | | 0.0869 | 150.1 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|------------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 1 | 93 PCB-114 | 43.04 | 43.03 | 3.365e5 | 2.173e5 | 1.560 | 1.55 | NO | 49.903 | 49.902 |
| 2 | 94 PCB-122 | 43.17 | 43.17 | 3.080e5 | 1.956e5 | 1.560 | 1.58 | NO | 54.279 | 54.279 |
| 3 | 95 PCB-105 | 43.92 | 43.93 | 3.417e5 | 2.172e5 | 1.560 | 1.57 | NO | 50.386 | 50.386 |
| 4 | 96 PCB-127 | 44.27 | 44.27 | 3.571e5 | 2.266e5 | 1.580 | 1.58 | NO | 51.159 | 51.159 |
| 5 | 97 PCB-126 | 46.24 | 46.24 | 3.501e5 | 2.209e5 | 1.560 | 1.59 | NO | 51.112 | 51.112 |



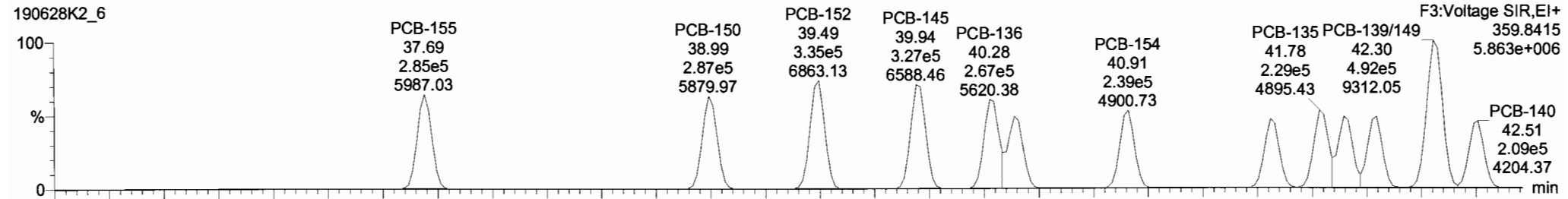
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

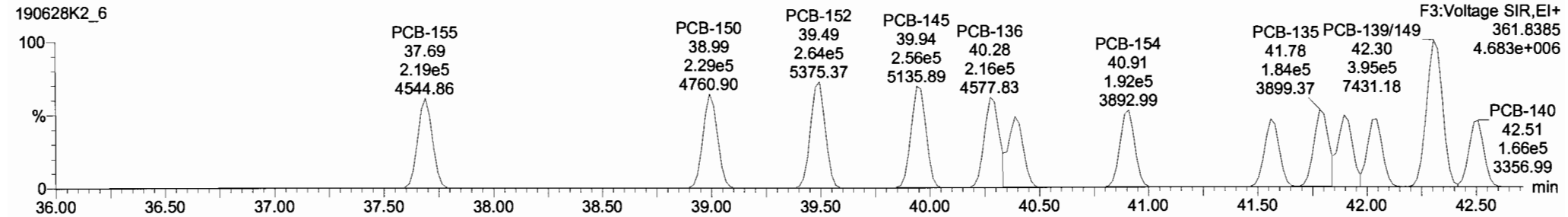
Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-155

190628K2_6

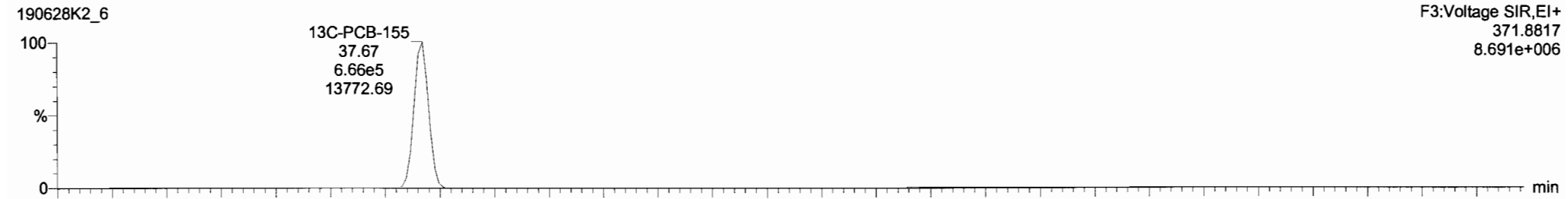


190628K2_6

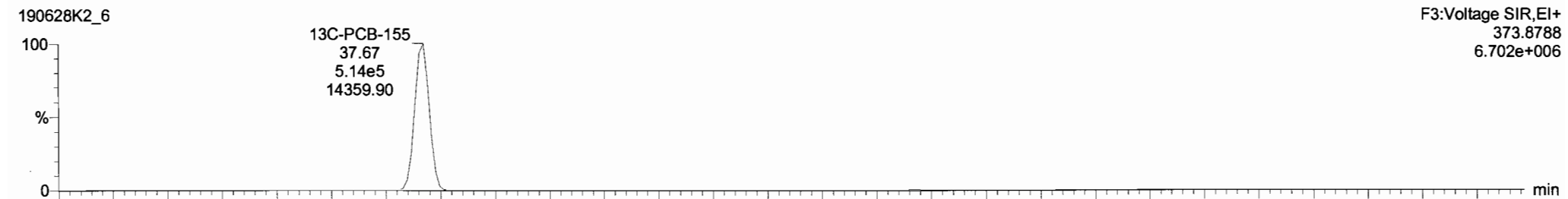


13C-PCB-155

190628K2_6



190628K2_6

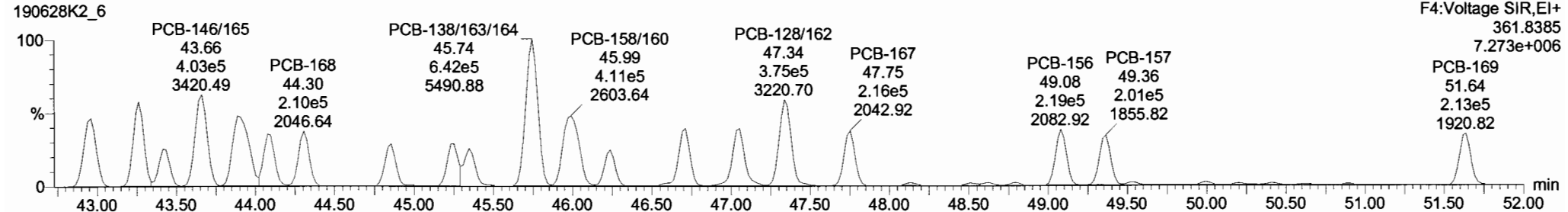
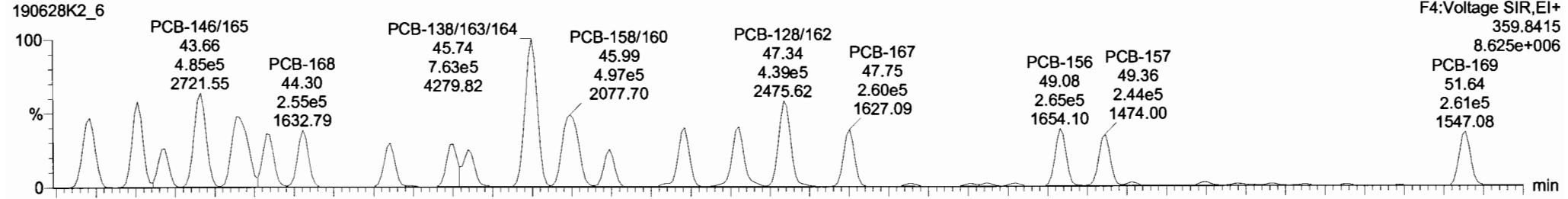


Dataset: Untitled

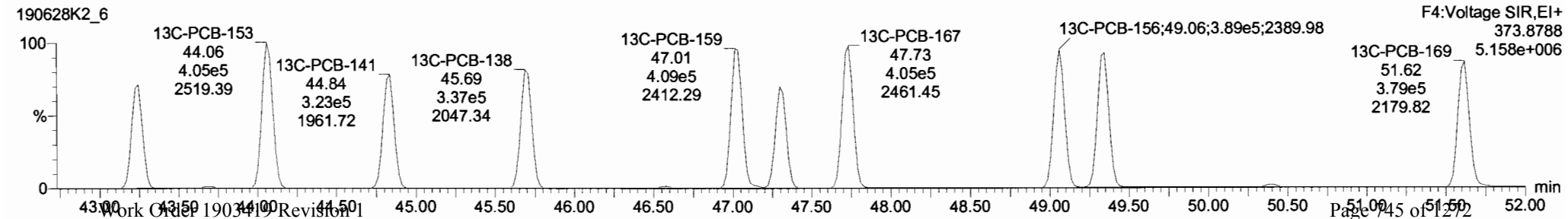
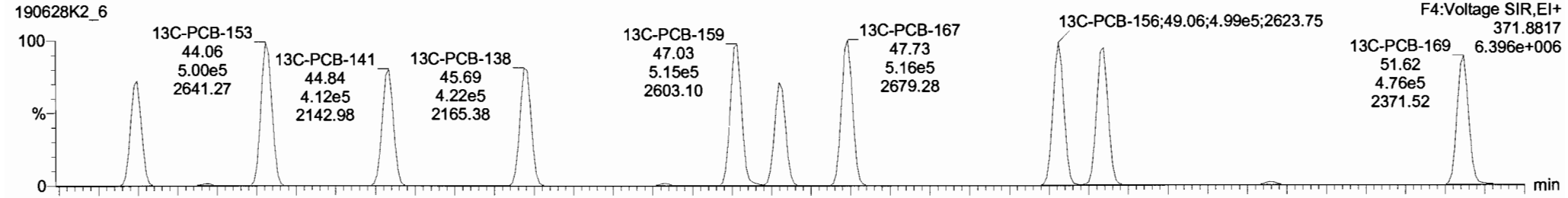
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-134/143



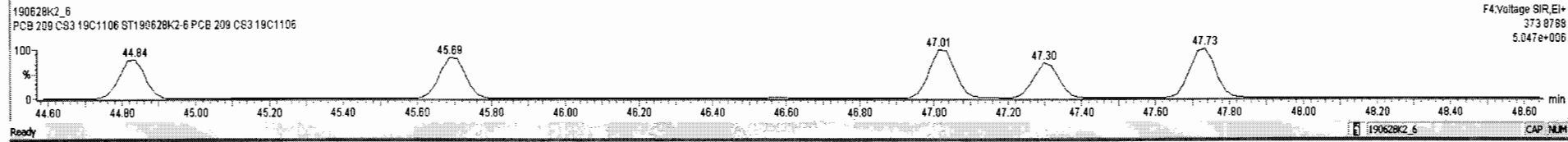
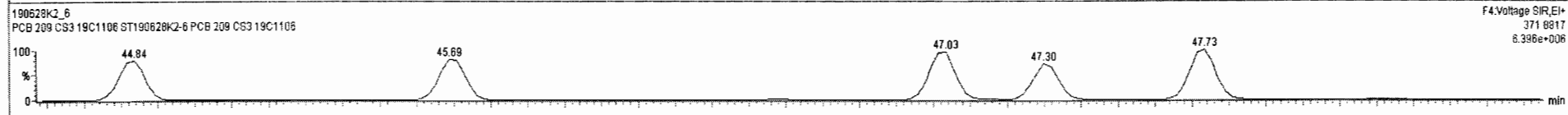
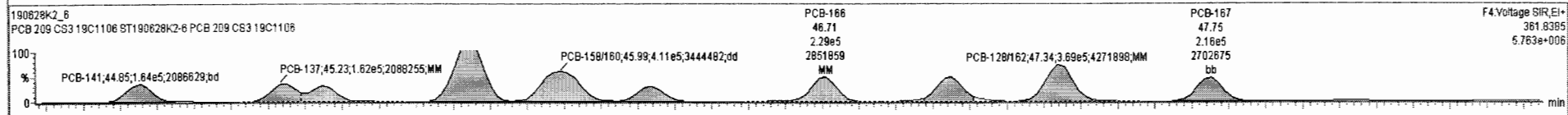
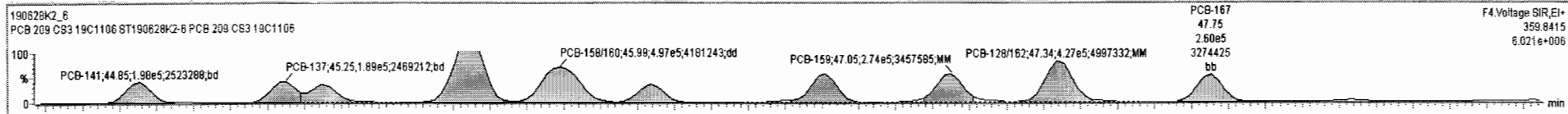
13C-PCB-153



190628K2_6-ST190628K2-6-PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|-------|--------|--------|------|
| 223 | 13C-PCB-178 | 5.66e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 102.1 | 102 | 0.0730 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.000 | 0.000 | | | NO | 151.1 | 0.0261 | 151.1 | |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.000 | 0.000 | | | NO | 611.1 | 0.222 | 611.1 | |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.000 | 0.000 | | | NO | 404.6 | 0.0967 | 404.6 | |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.000 | 0.000 | | | NO | 783.0 | 0.451 | 783.0 | |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.000 | 0.000 | | | NO | 2149 | 0.988 | 2149 | |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.000 | 0.000 | | | NO | 2055 | 0.757 | 2055 | |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.000 | 0.000 | | | NO | 256.8 | 0.173 | 256.8 | |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.000 | 0.000 | | | NO | 705.2 | 0.261 | 705.3 | |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.000 | 0.000 | | | NO | 1414 | 1.133 | 1414 | |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.000 | 0.000 | | | NO | 1229 | 0.858 | 1229 | |
| 234 | 4th Function Octa-PCBs | | | | 0.8963 | 1.000 | 0.000 | 0.000 | | | NO | 451.6 | 0.214 | 451.6 | |
| 235 | 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.000 | 0.000 | | | NO | 150.1 | 0.0869 | 150.1 | |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1:1 Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------------|---------|-------|---------|---------|------------------|------|-----|--------|--------|
| 1 | 111 PCB-134/143 | 42.94 | 42.96 | 3.648e5 | 3.050e5 | 1.240 | 1.20 | NO | 100.98 | 100.98 |
| 2 | 112 PCB-131/133 | 43.24 | 43.26 | 3.915e5 | 3.235e5 | 1.240 | 1.21 | NO | 100.05 | 100.05 |
| 3 | 113 PCB-142 | 43.43 | 43.43 | 1.749e5 | 1.486e5 | 1.240 | 1.18 | NO | 50.515 | 50.515 |
| 4 | 114 PCB-146/165 | 43.64 | 43.66 | 4.850e5 | 4.032e5 | 1.240 | 1.20 | NO | 102.35 | 102.35 |
| 5 | 115 PCB-132/161 | 43.89 | 43.89 | 4.905e5 | 4.136e5 | 1.240 | 1.19 | NO | 102.58 | 102.58 |
| 6 | 116 PCB-153 | 44.06 | 44.08 | 2.508e5 | 2.062e5 | 1.240 | 1.21 | NO | 50.140 | 50.140 |
| 7 | 117 PCB-168 | 44.28 | 44.31 | 2.550e5 | 2.104e5 | 1.240 | 1.21 | NO | 50.470 | 50.470 |

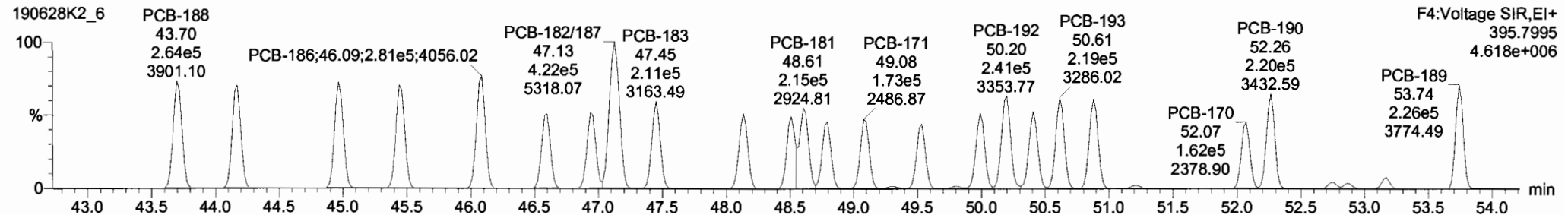
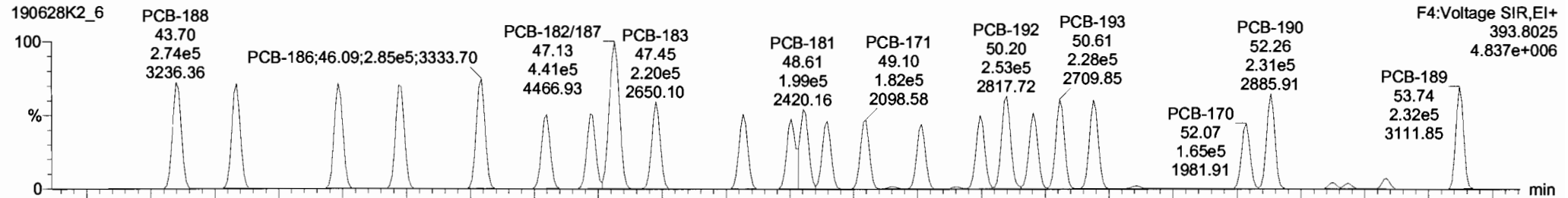


Dataset: Untitled

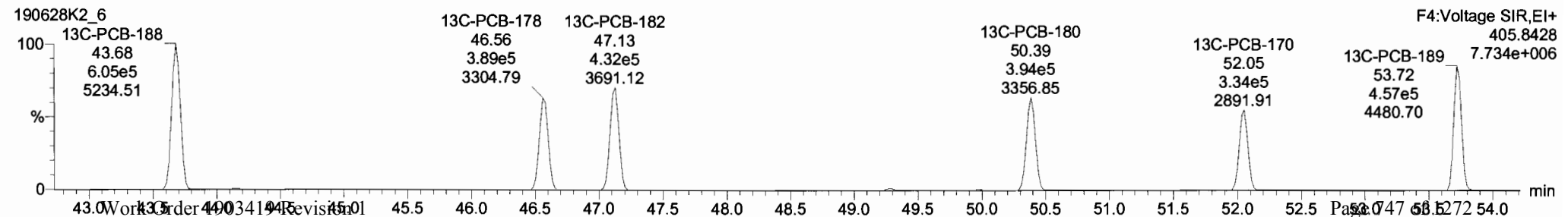
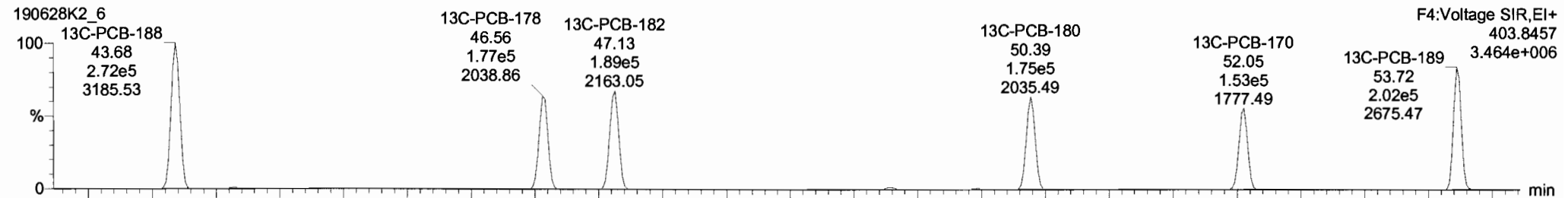
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-188

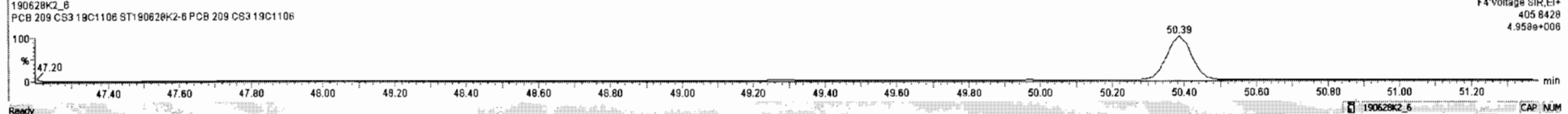
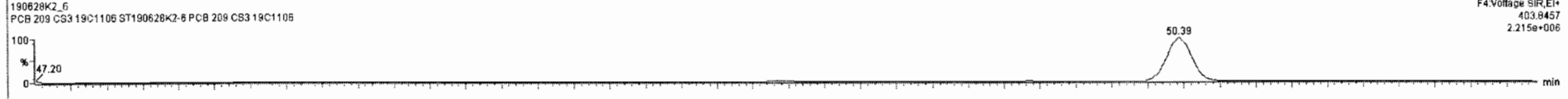
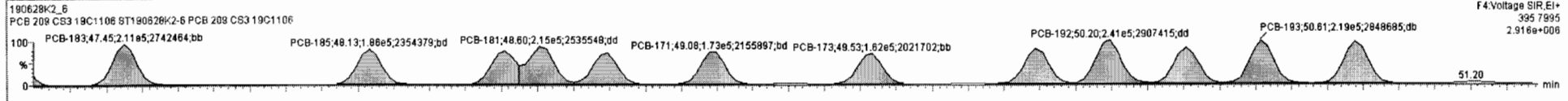
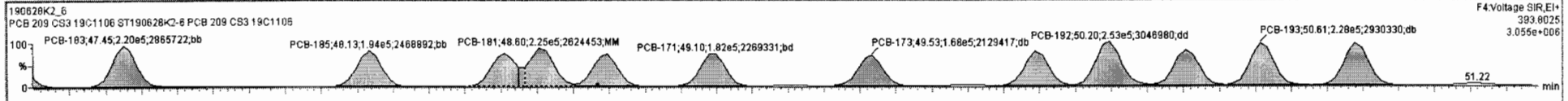


13C-PCB-188



| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Prod.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 223 | 223 13C-PCB-178 | 5.66e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 102.1 | 102 | 0.0730 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 151.1 | | 0.0261 | 151.1 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 611.1 | | 0.222 | 611.1 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 404.6 | | 0.0967 | 404.6 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 783.0 | | 0.451 | 783.0 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 2149 | | 0.598 | 2149 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 2055 | | 0.757 | 2055 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 258.8 | | 0.173 | 258.8 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 705.2 | | 0.281 | 705.3 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 1414 | | 1.33 | 1414 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 1229 | | 0.858 | 1229 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 451.6 | | 0.214 | 451.6 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 150.1 | | 0.0869 | 150.1 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1% Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 131 PCB-188 | 43.72 | 43.70 | 2.739e5 | 2.635e5 | 1.050 | 1.04 | NO | 51.300 | 51.299 |
| 2 | 132 PCB-184 | 44.17 | 44.17 | 2.589e5 | 2.587e5 | 1.050 | 1.05 | NO | 51.314 | 51.313 |
| 3 | 133 PCB-179 | 44.96 | 44.97 | 2.890e5 | 2.607e5 | 1.050 | 1.03 | NO | 51.293 | 51.293 |
| 4 | 134 PCB-178 | 45.45 | 45.44 | 2.722e5 | 2.595e5 | 1.050 | 1.05 | NO | 52.146 | 52.147 |
| 5 | 135 PCB-186 | 46.07 | 46.08 | 2.848e5 | 2.808e5 | 1.050 | 1.01 | NO | 52.893 | 52.893 |
| 6 | 136 PCB-178 | 46.59 | 46.60 | 1.917e5 | 1.864e5 | 1.050 | 1.03 | NO | 51.852 | 51.852 |
| 7 | 137 PCB-175 | 46.95 | 46.94 | 1.998e5 | 1.949e5 | 1.050 | 1.02 | NO | 52.963 | 52.962 |



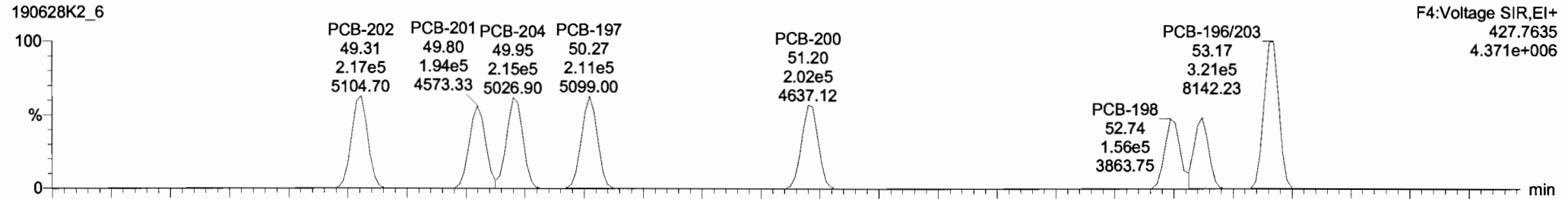
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

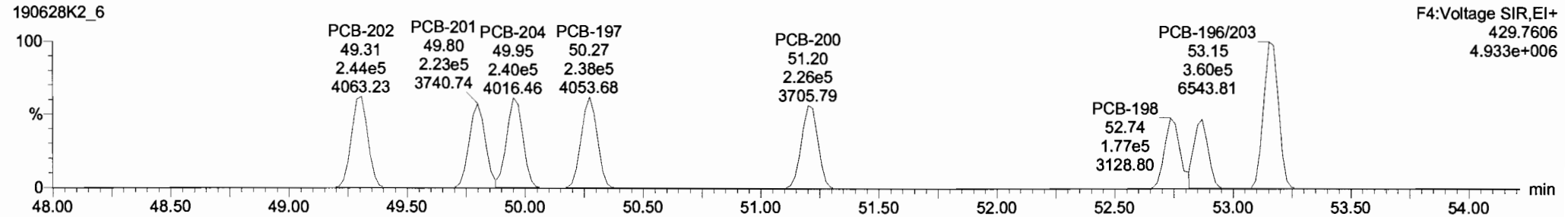
Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-202

190628K2_6

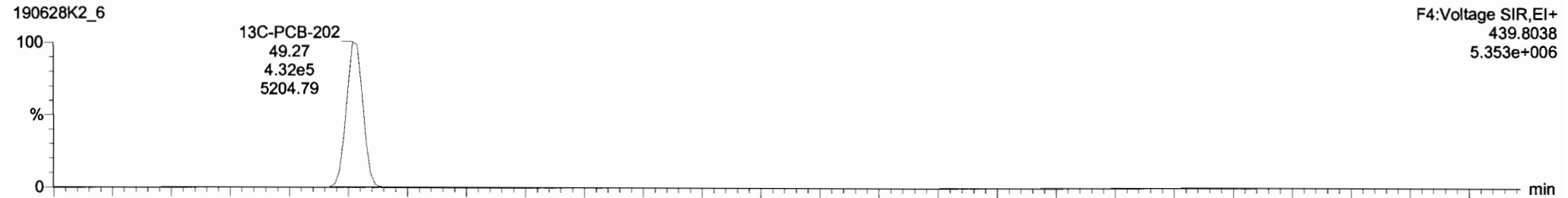


190628K2_6

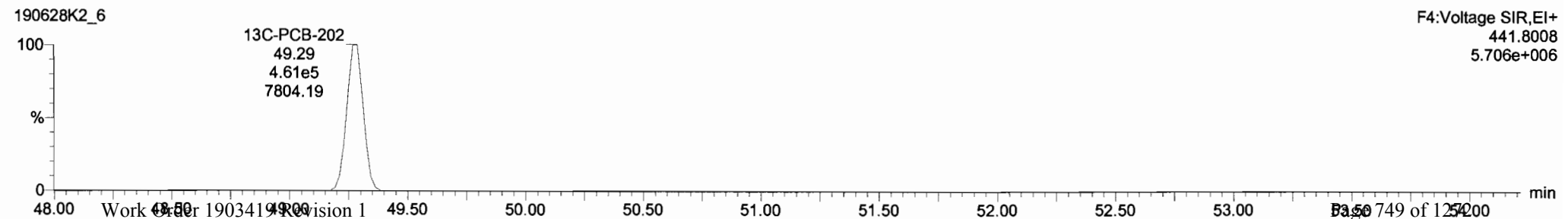


13C-PCB-202

190628K2_6



190628K2_6

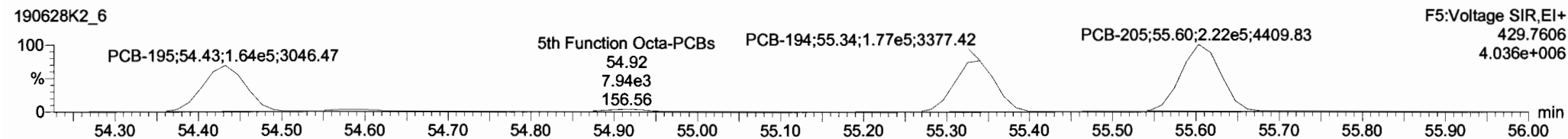
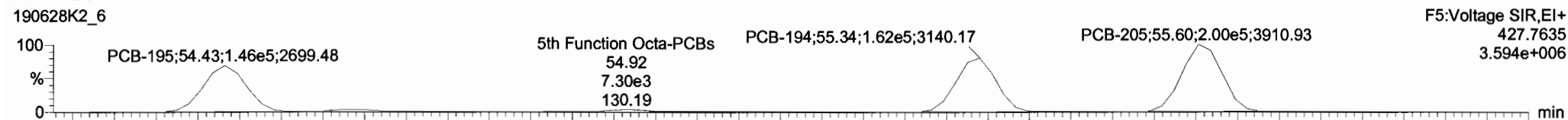


Dataset: Untitled

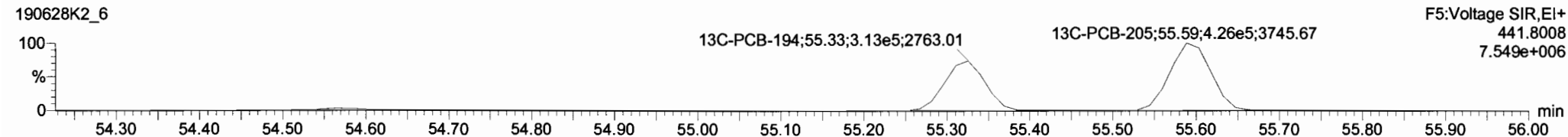
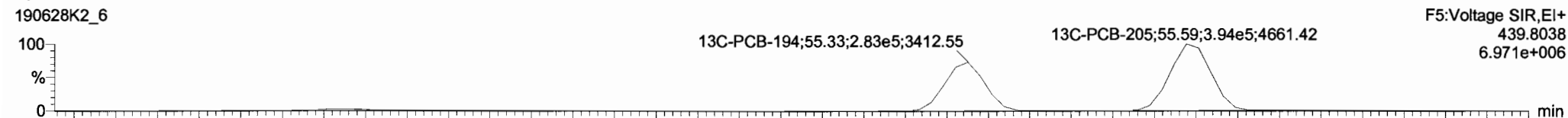
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

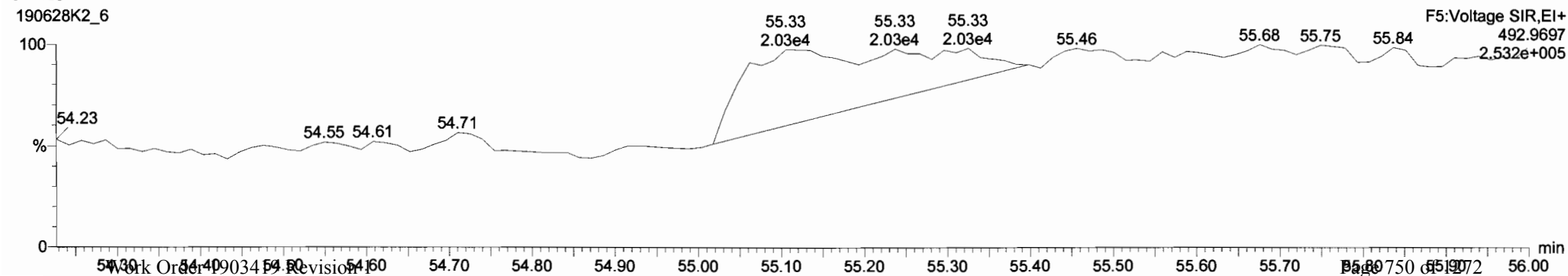
PCB-195



13C-PCB-194



PFK5

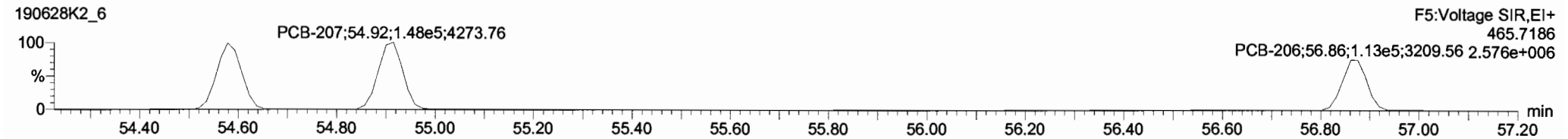
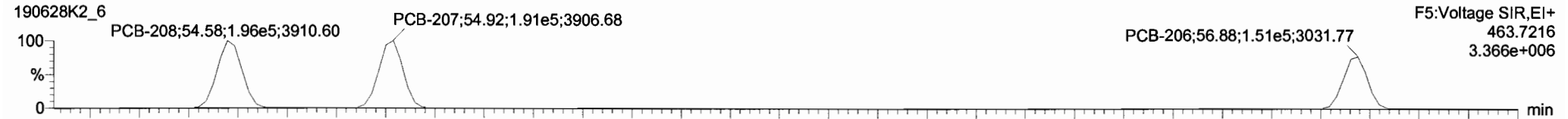


Dataset: Untitled

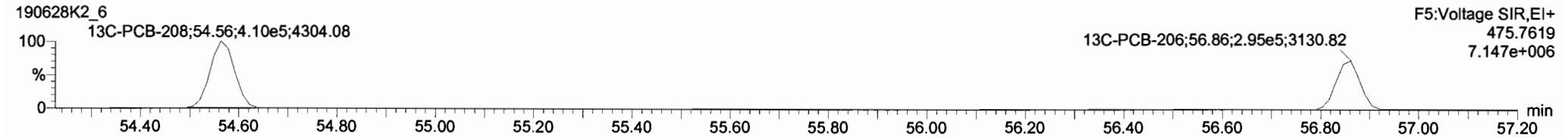
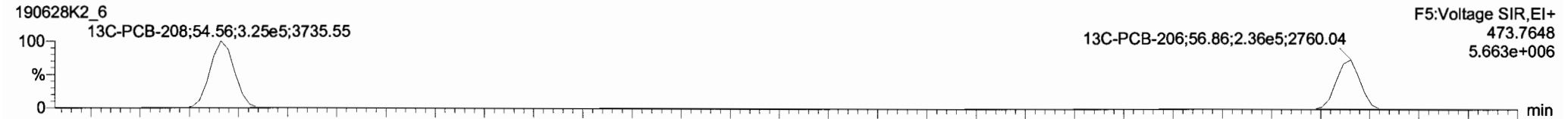
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

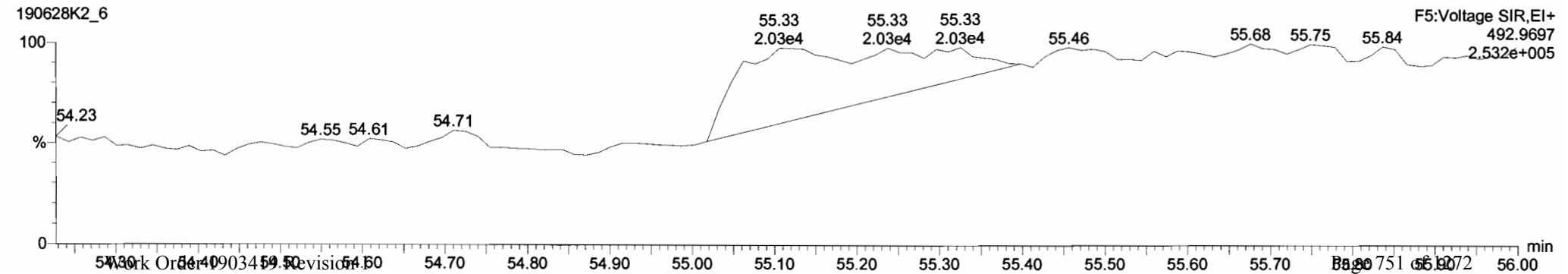
PCB-208



13C-PCB-208



PFK5



Dataset: Untitled

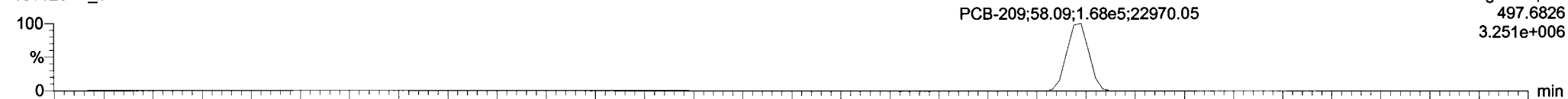
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-209

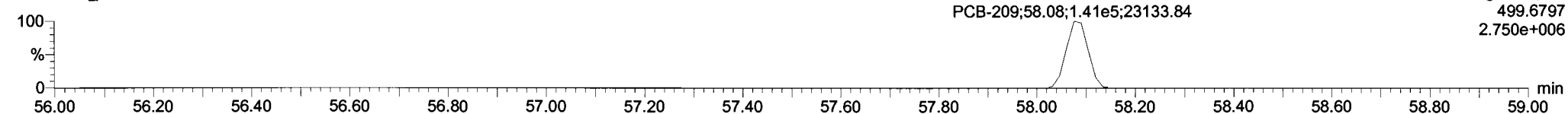
190628K2_6

F5:Voltage SIR,EI+
497.6826
3.251e+006



190628K2_6

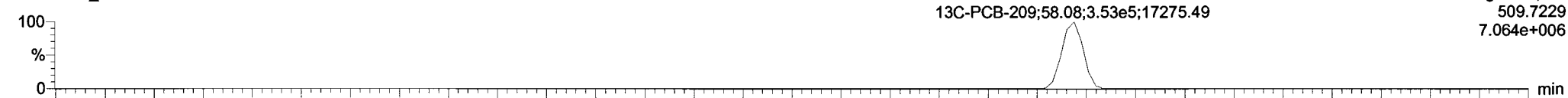
F5:Voltage SIR,EI+
499.6797
2.750e+006



13C-PCB-209

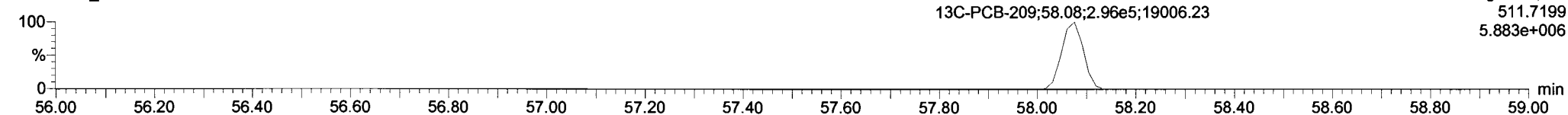
190628K2_6

F5:Voltage SIR,EI+
509.7229
7.064e+006



190628K2_6

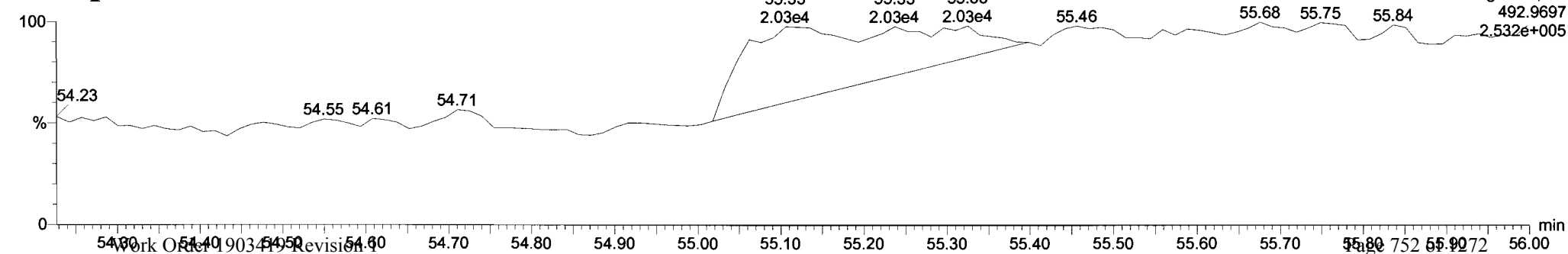
F5:Voltage SIR,EI+
511.7199
5.883e+006



PFK5

190628K2_6

F5:Voltage SIR,EI+
492.9697
2.532e+005

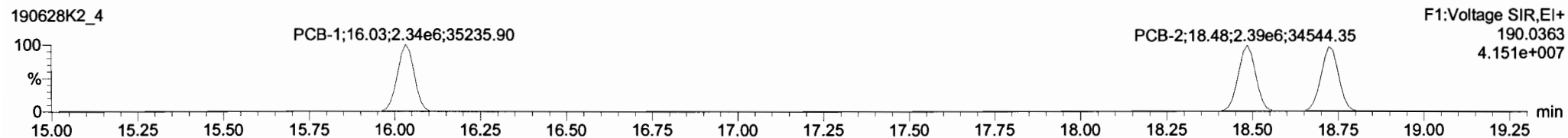
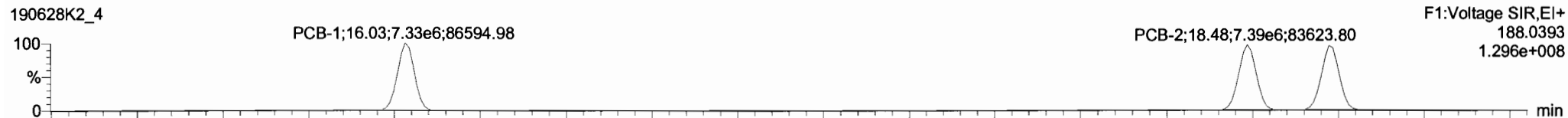


Dataset: Untitled

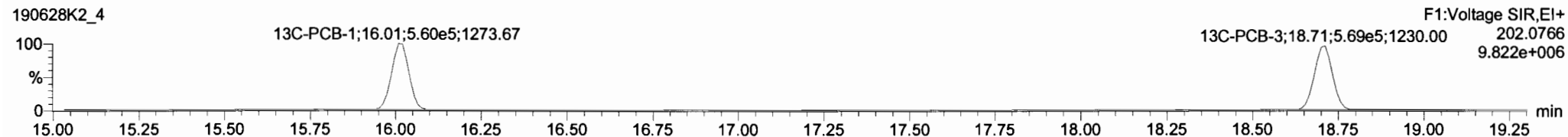
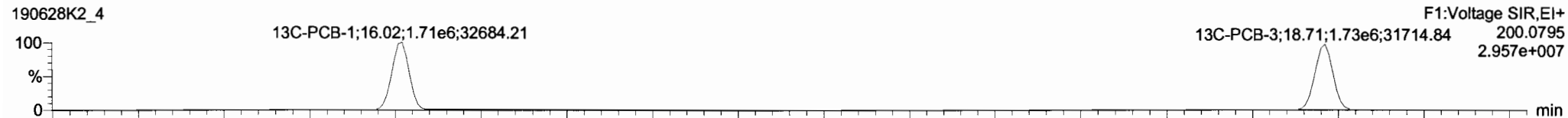
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

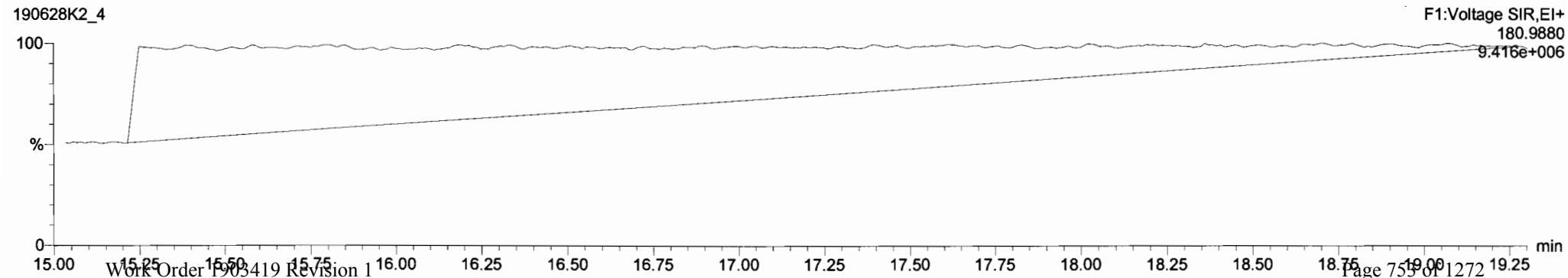
PCB-1



13C-PCB-1



PFK1



Vista Analytical Laboratory VG-11

Dataset: Untitled

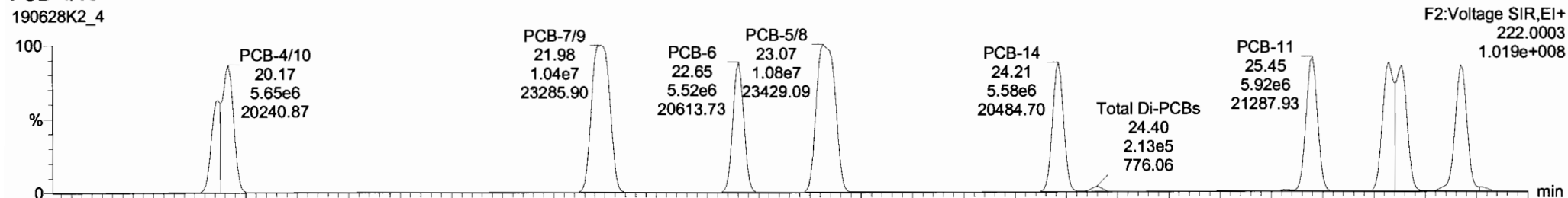
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

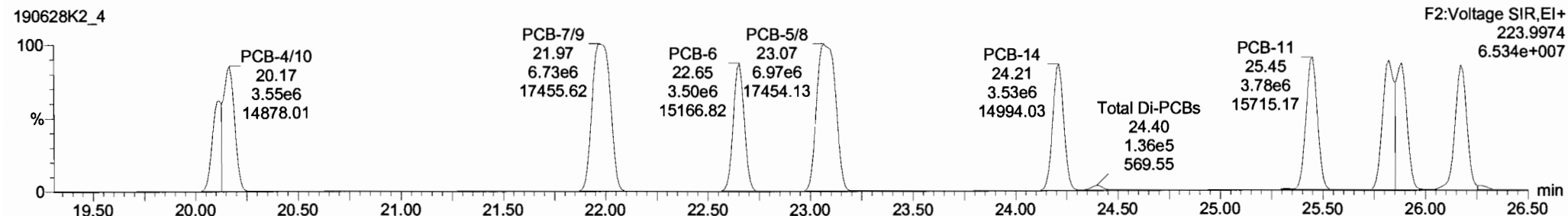
Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-4/10

190628K2_4

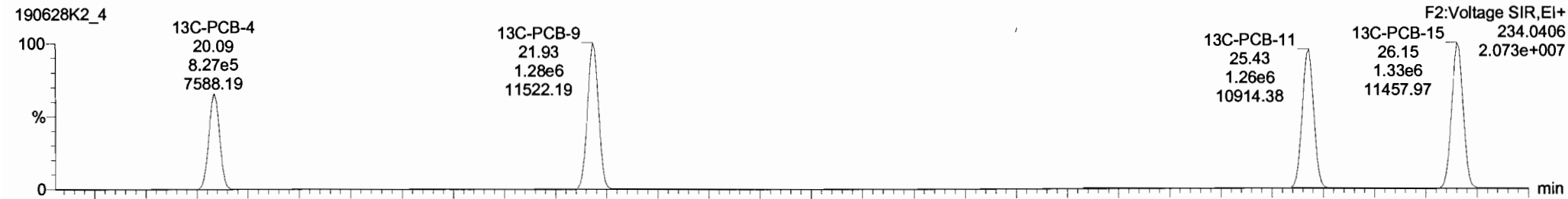


190628K2_4

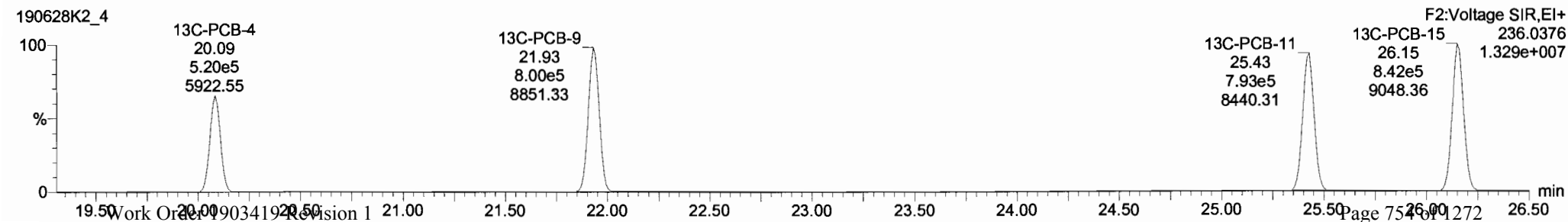


13C-PCB-4

190628K2_4

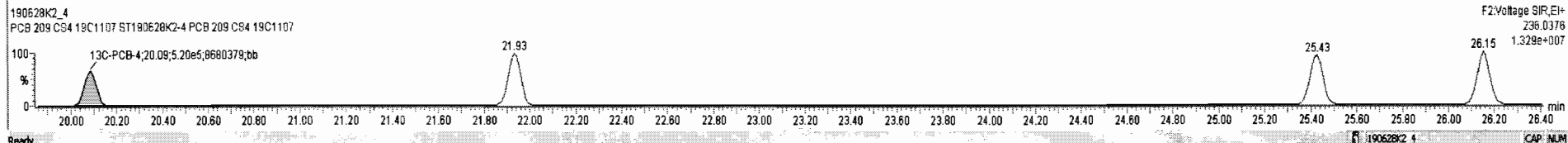
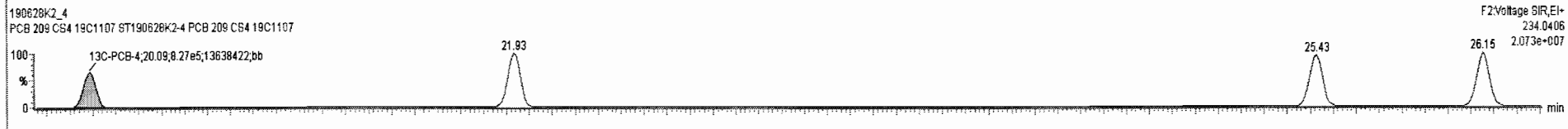
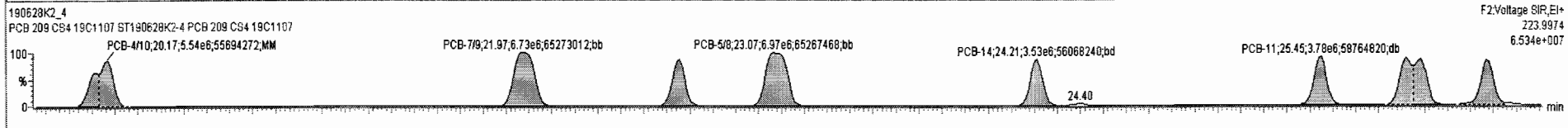
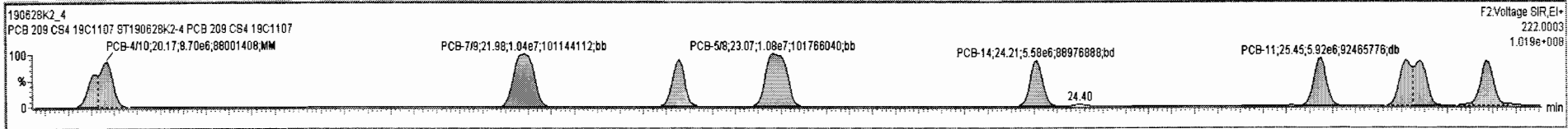


190628K2_4



| # | Name | Resp | RA | n/y | RF | wtVol | Pred.RT | RT | Pred.R. | RRT | RRT.Fac | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|---------|-------|---------|-------|------|--------|-------|
| 222 | 13C-PCB-79 | 1.52e6 | 0.78 | NO | 1.0454 | 1.000 | 36.47 | 36.47 | 0.968 | 0.968 | NO | 99.56 | 99.5 | 0.0537 | |
| 223 | 13C-PCB-178 | 6.09e5 | 0.46 | NO | 0.3749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 97.07 | 97.1 | 0.0672 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 1261 | | 0.0412 | 1261 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 5092 | | 0.394 | 5092 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 3323 | | 0.104 | 3323 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 6901 | | 0.905 | 6901 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 17700 | | 1.87 | 17700 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 17190 | | 0.903 | 17190 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 2126 | | 0.324 | 2126 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 5984 | | 0.201 | 5984 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 11930 | | 2.12 | 11930 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 9955 | | 2.30 | 9955 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 3818 | | 0.302 | 3818 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 4 PCB-4/10 | 20.17 | 20.17 | 8.701e6 | 5.544e6 | 1.560 | 1.57 | NO | 829.76 | 829.76 |
| 2 | 5 PCB-7/9 | 21.99 | 21.98 | 1.044e7 | 6.733e6 | 1.560 | 1.55 | NO | 844.46 | 844.46 |
| 3 | 6 PCB-5 | 22.64 | 22.65 | 5.517e6 | 3.499e6 | 1.560 | 1.58 | NO | 425.56 | 425.56 |
| 4 | 7 PCB-5/8 | 23.06 | 23.07 | 1.082e7 | 6.972e6 | 1.560 | 1.55 | NO | 844.60 | 844.60 |
| 5 | 8 PCB-14 | 24.22 | 24.21 | 5.579e6 | 3.530e6 | 1.560 | 1.58 | NO | 428.85 | 428.85 |
| 6 | 9 PCB-11 | 25.45 | 25.45 | 5.917e6 | 3.777e6 | 1.560 | 1.57 | NO | 430.09 | 430.09 |
| 7 | 10 PCB-12/13 | 25.82 | 25.82 | 1.100e7 | 7.114e6 | 1.560 | 1.55 | NO | 849.52 | 849.52 |

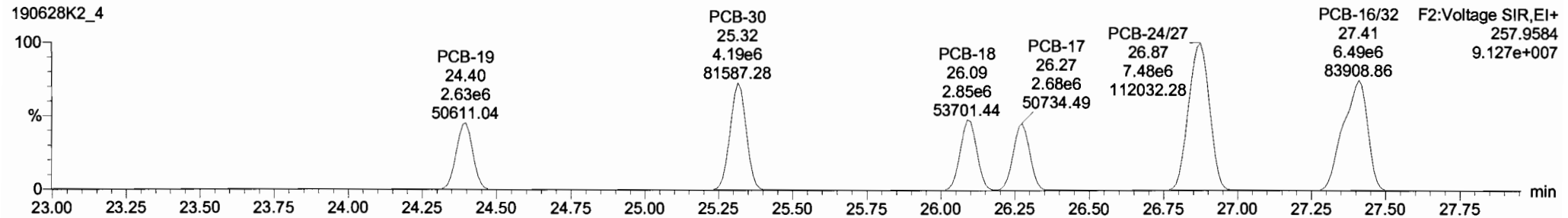
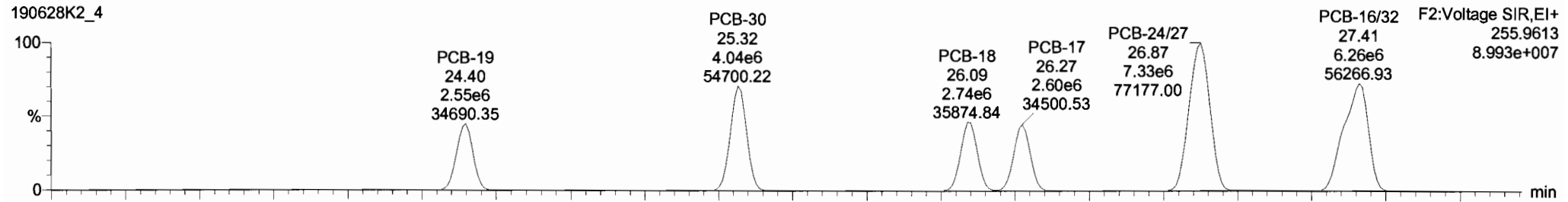


Dataset: Untitled

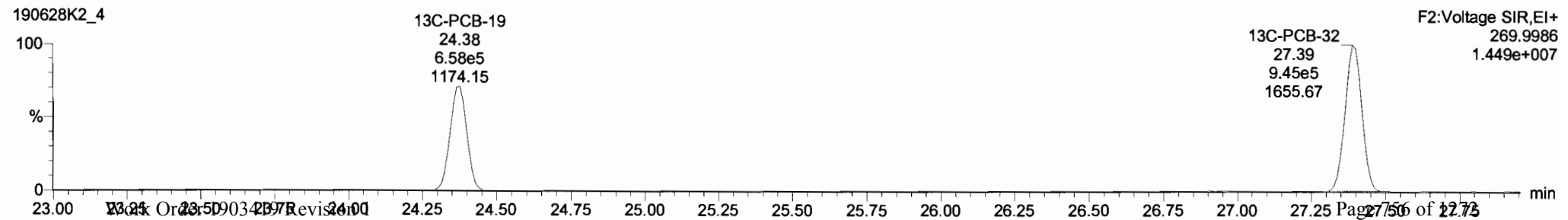
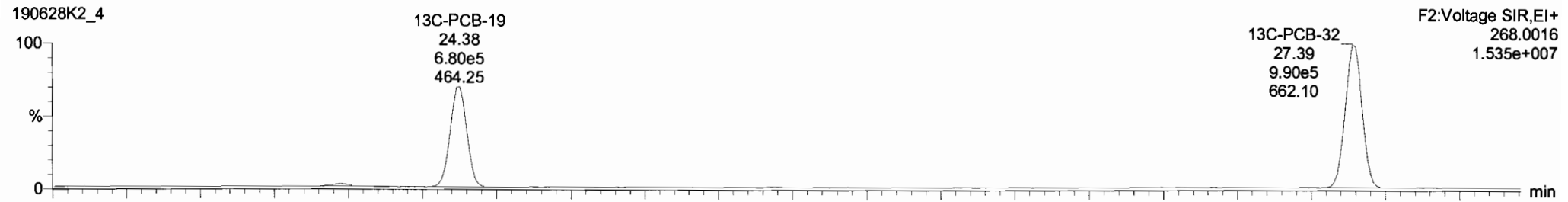
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-19



13C-PCB-19



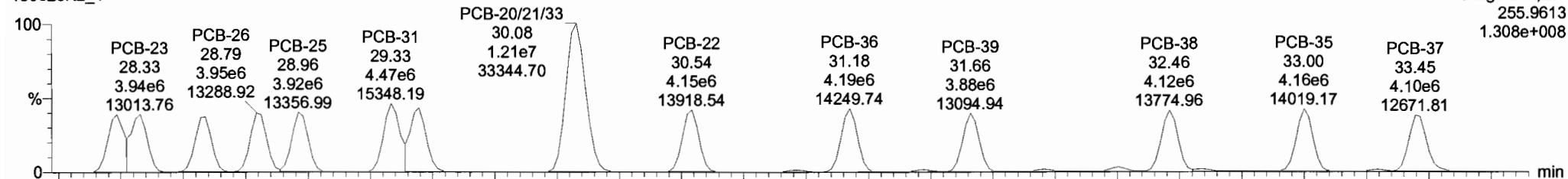
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

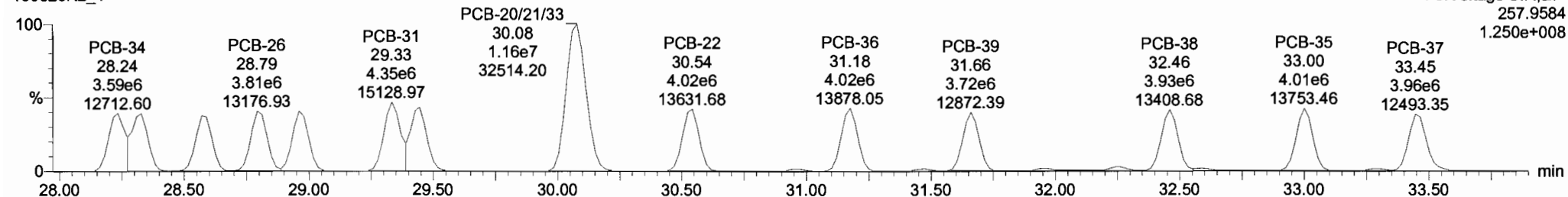
Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-34

190628K2_4

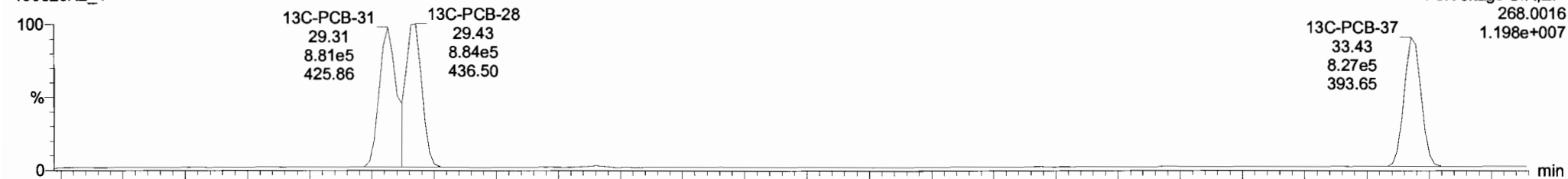


190628K2_4

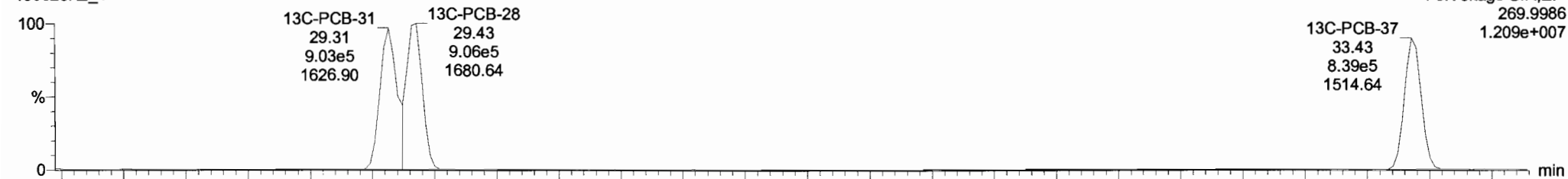


13C-PCB-28

190628K2_4



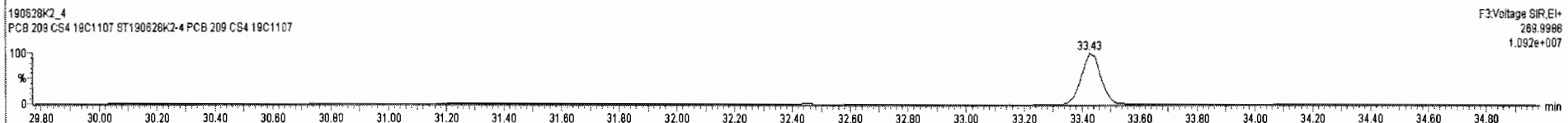
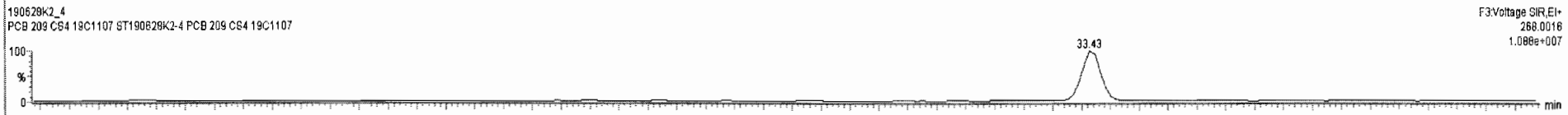
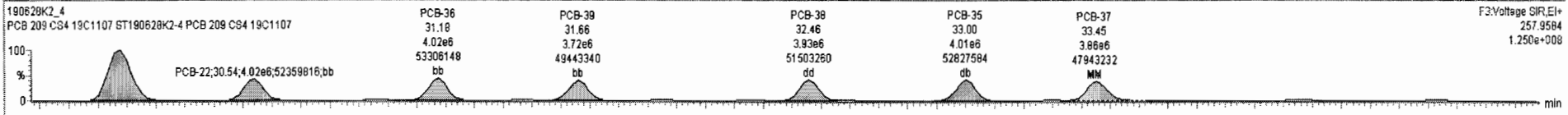
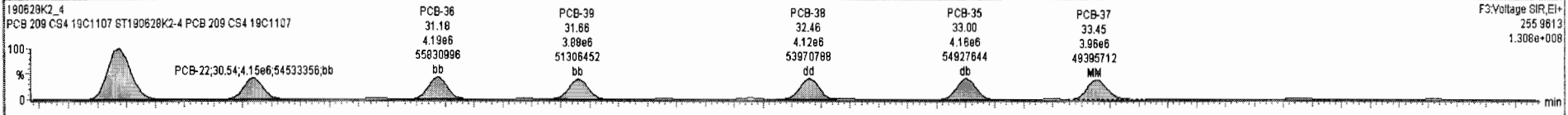
190628K2_4



190628K2_4 - ST190628K2-4 PCB 209 CS4 19C1107 - PCB 209 CS4 19C1107

| # | Name | Resp | RA | n/y | RRF | wt/Vol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 222 | 13C-PCB-79 | 1.52e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 99.56 | 99.6 | 0.0537 | |
| 223 | 13C-PCB-178 | 6.08e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 97.07 | 97.1 | 0.0672 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | | | NO | 1261 | | 0.0412 | 1261 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | | | NO | 5092 | | 0.394 | 5092 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | | | NO | 3323 | | 0.104 | 3323 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.000 | | | NO | 6901 | | 0.905 | 6901 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | 0.000 | | | NO | 17700 | | 1.87 | 17700 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.000 | | | NO | 17190 | | 0.903 | 17190 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.000 | | | NO | 2126 | | 0.324 | 2126 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.000 | | | NO | 5984 | | 0.201 | 5984 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.000 | | | NO | 11930 | | 2.12 | 11930 |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | 0.000 | | | NO | 9955 | | 2.30 | 9955 |
| 234 | 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | 0.000 | | | NO | 3918 | | 0.302 | 3918 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | % Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|-----------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 1 | 18 PCB-34 | 28.24 | 28.24 | 3.670e6 | 3.587e6 | 1.040 | 1.02 | NO | 410.55 | 410.55 |
| 2 | 19 PCB-23 | 28.33 | 28.33 | 3.936e6 | 3.759e6 | 1.040 | 1.05 | NO | 441.27 | 441.27 |
| 3 | 20 PCB-29 | 28.59 | 28.59 | 3.736e6 | 3.589e6 | 1.040 | 1.04 | NO | 429.09 | 429.09 |
| 4 | 21 PCB-26 | 28.81 | 28.79 | 3.952e6 | 3.812e6 | 1.040 | 1.04 | NO | 433.25 | 433.25 |
| 5 | 22 PCB-25 | 28.98 | 28.96 | 3.922e6 | 3.766e6 | 1.040 | 1.04 | NO | 439.10 | 439.10 |
| 6 | 23 PCB-31 | 29.33 | 29.33 | 4.474e6 | 4.349e6 | 1.040 | 1.03 | NO | 438.75 | 438.75 |
| 7 | 24 PCB-28 | 29.44 | 29.44 | 4.316e6 | 4.132e6 | 1.040 | 1.04 | NO | 426.88 | 426.88 |



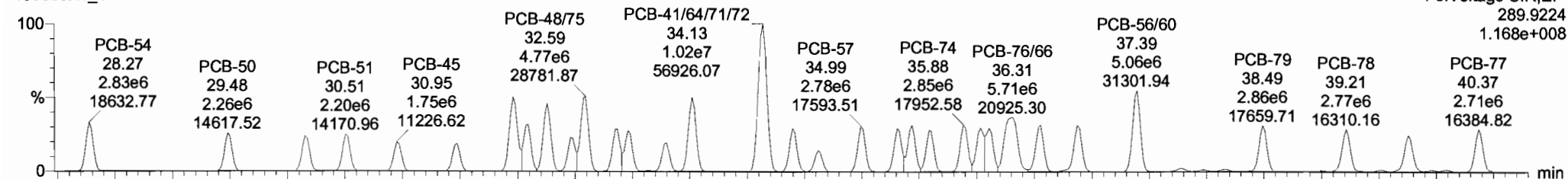
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

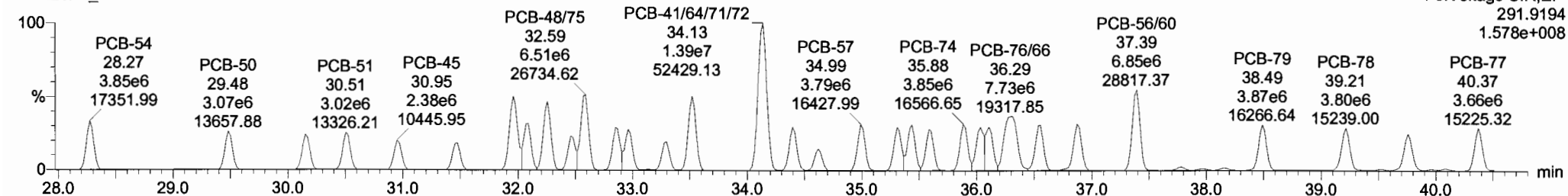
Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-54

190628K2_4

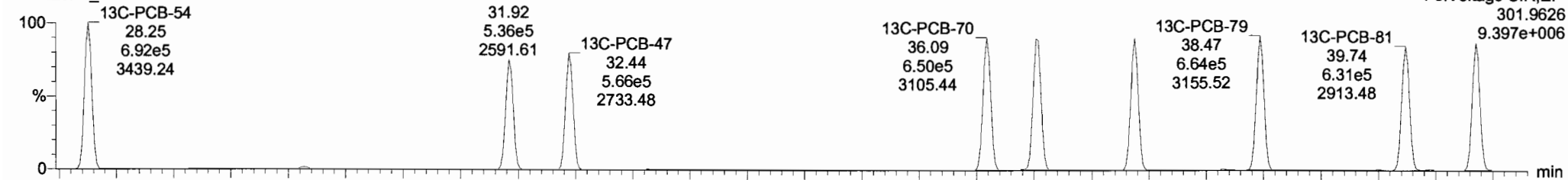


190628K2_4

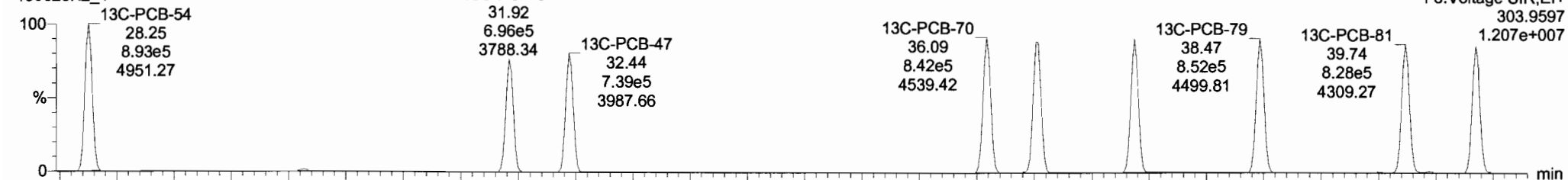


13C-PCB-54

190628K2_4



190628K2_4

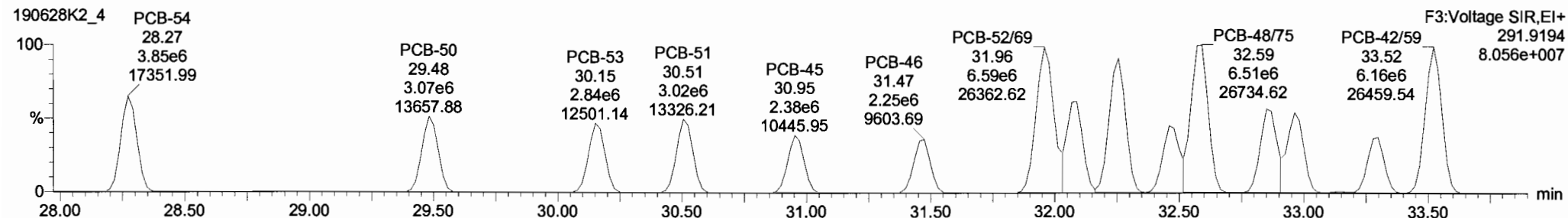
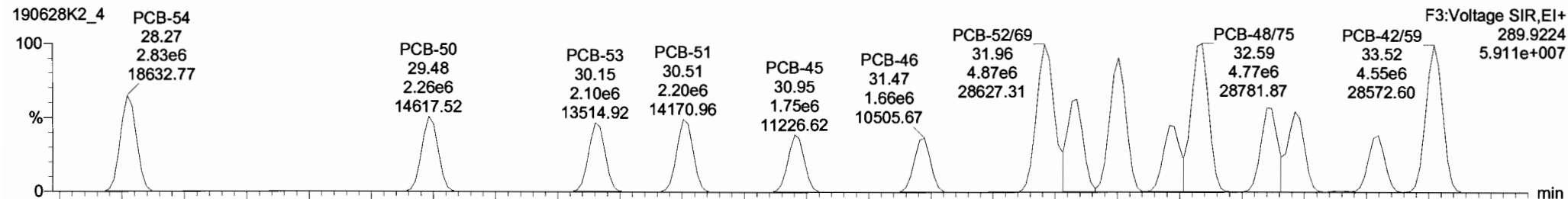


Dataset: Untitled

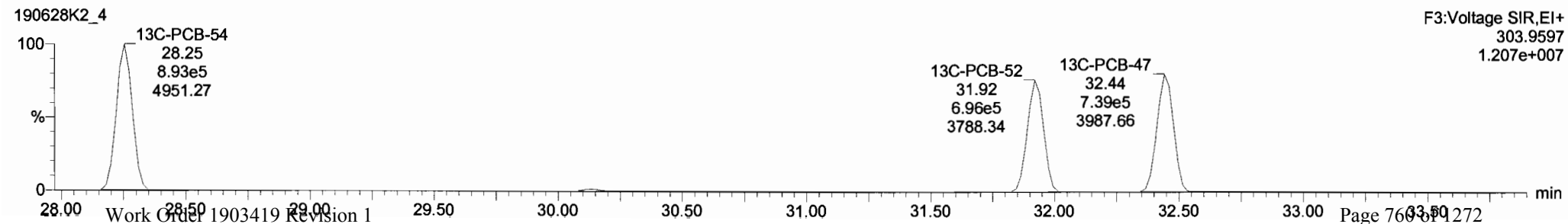
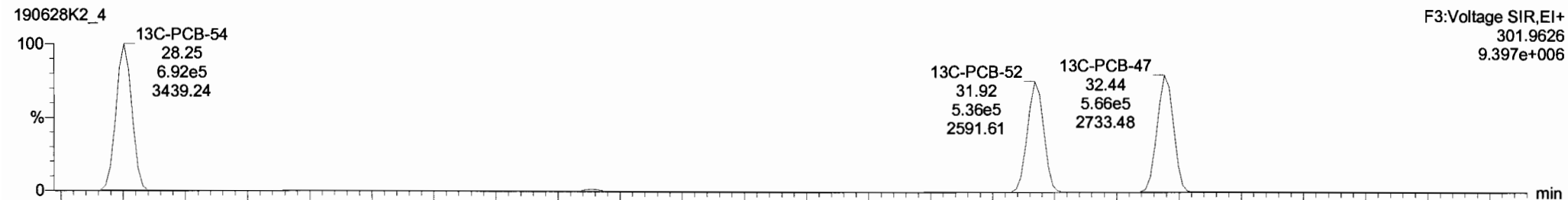
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-50



13C-PCB-52



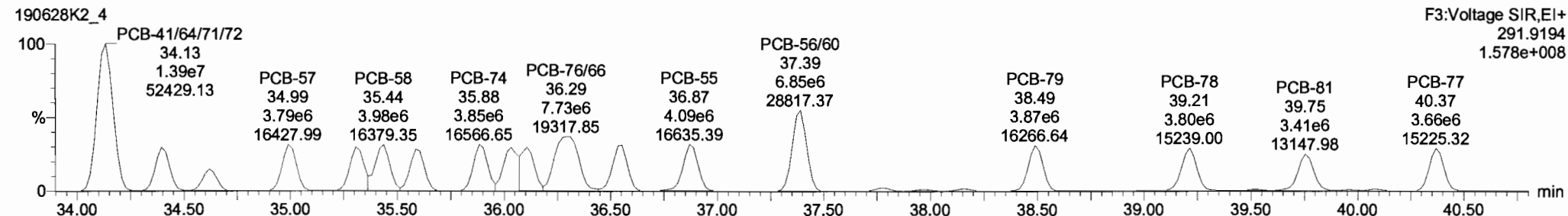
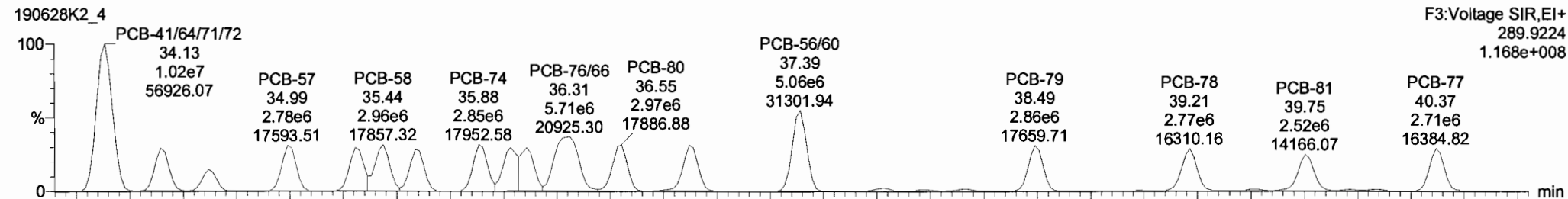
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

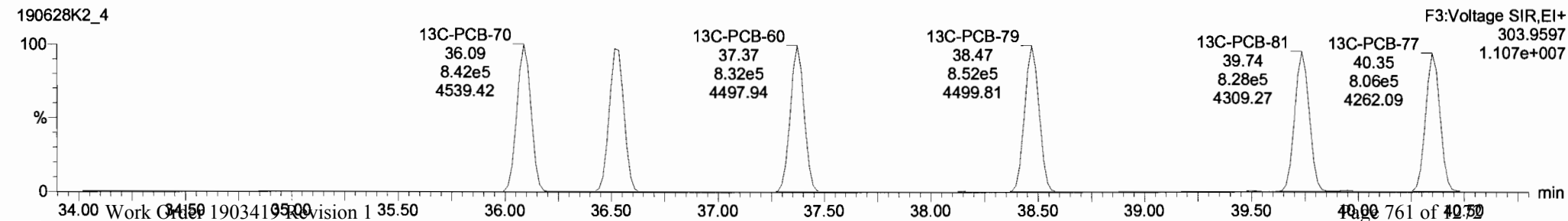
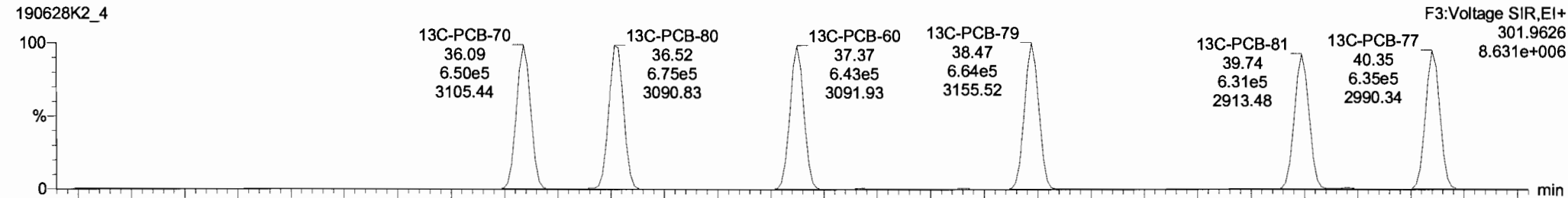
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-68



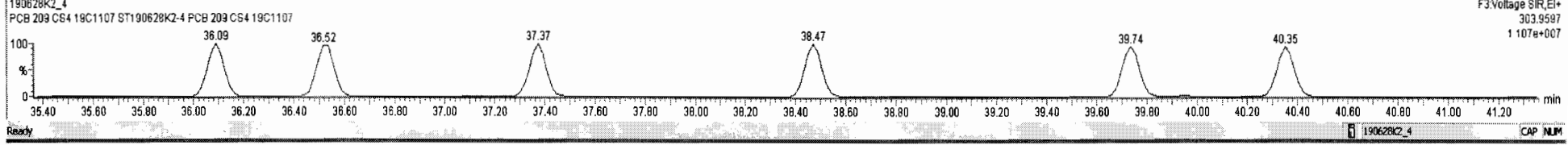
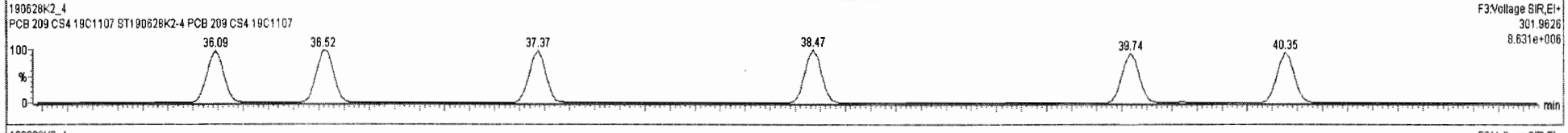
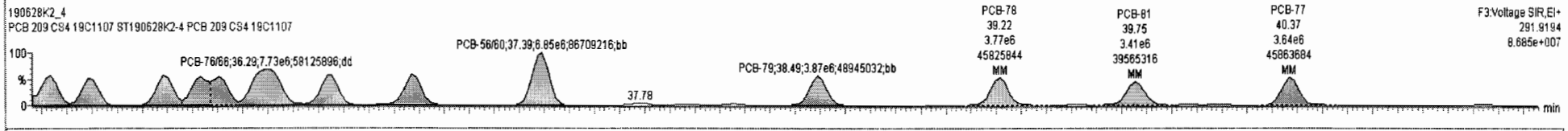
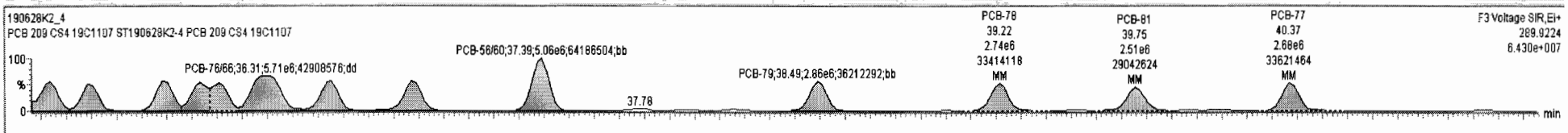
13C-PCB-60



190628K2_4 - ST190628K2-4 PCB 209 CS4 19C1107 - PCB 209 CS4 19C1107

| # | Name | Resp | RA | n/y | RRF | w/Aol | Pred RT | RT | Pred.R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|-------|---------|-------|-----------|-------|----------|-------|------|--------|-------|
| 222 | 13C-PCB-79 | 1.52e6 | 0.78 | NO | 1.0454 | 1.000 | 36.46 | 36.47 | 0.968 | 0.968 | NO | 99.56 | 99.6 | 0.0537 | |
| 223 | 13C-PCB-178 | 6.08e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 97.07 | 97.1 | 0.0672 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | | | NO | 1261 | | 0.0412 | 1261 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | | | NO | 5092 | | 0.394 | 5092 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | | | NO | 3323 | | 0.104 | 3323 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.000 | | | NO | 6901 | | 0.905 | 6901 |
| 228 | Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | 0.000 | | | NO | 17700 | | 1.87 | 17700 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.000 | | | NO | 17190 | | 0.903 | 17190 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.000 | | | NO | 2126 | | 0.324 | 2126 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.000 | | | NO | 5984 | | 0.201 | 5984 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.000 | | | NO | 11930 | | 2.12 | 11930 |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | 0.000 | | | NO | 9955 | | 2.30 | 9955 |
| 234 | 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | 0.000 | | | NO | 3918 | | 0.302 | 3918 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|----|-----------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 32 | PCB-54 | 28.27 | 28.27 | 2.634e6 | 3.847e6 | 0.770 | 0.74 | NO | 423.54 | 423.54 |
| 33 | PCB-50 | 29.49 | 29.48 | 2.257e6 | 3.071e6 | 0.770 | 0.74 | NO | 430.53 | 430.53 |
| 34 | PCB-53 | 30.16 | 30.15 | 2.101e6 | 2.841e6 | 0.770 | 0.74 | NO | 419.78 | 419.78 |
| 35 | PCB-51 | 30.52 | 30.51 | 2.201e6 | 3.016e6 | 0.770 | 0.73 | NO | 413.47 | 413.47 |
| 36 | PCB-45 | 30.96 | 30.95 | 1.755e6 | 2.376e6 | 0.770 | 0.74 | NO | 414.79 | 414.79 |
| 37 | PCB-46 | 31.45 | 31.47 | 1.662e6 | 2.251e6 | 0.770 | 0.74 | NO | 421.33 | 421.33 |
| 38 | PCB-52/69 | 31.96 | 31.96 | 4.868e6 | 6.594e6 | 0.770 | 0.74 | NO | 851.85 | 851.85 |



Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

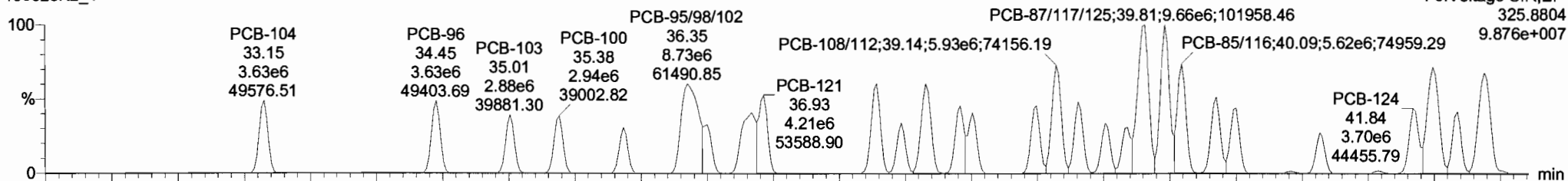
PCB-104

190628K2_4

F3:Voltage SIR,EI+

325.8804

9.876e+007

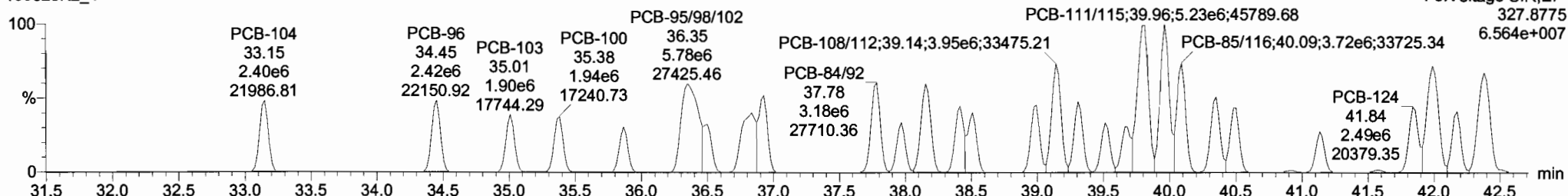


190628K2_4

F3:Voltage SIR,EI+

327.8775

6.564e+007



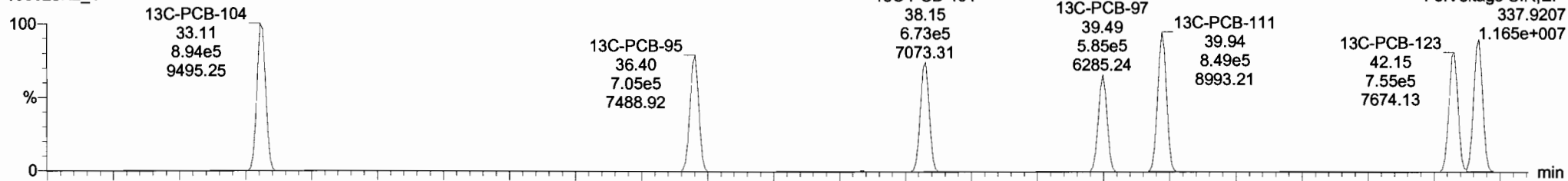
13C-PCB-104

190628K2_4

F3:Voltage SIR,EI+

337.9207

1.165e+007

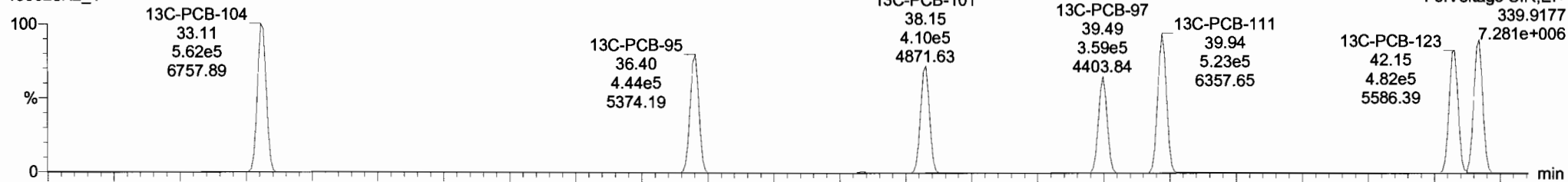


190628K2_4

F3:Voltage SIR,EI+

339.9177

7.281e+006



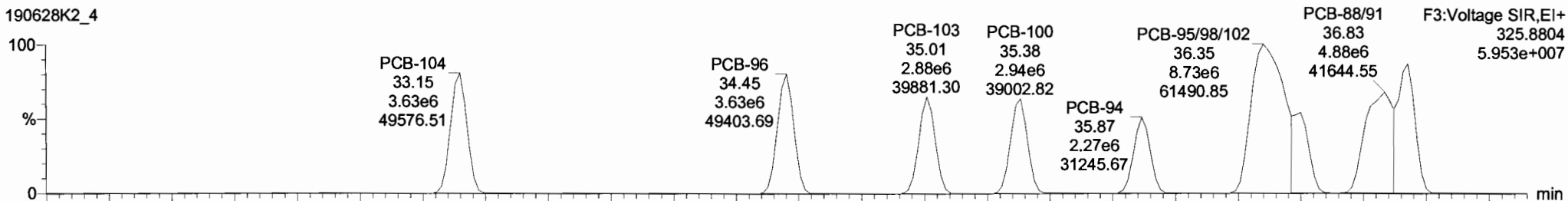
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

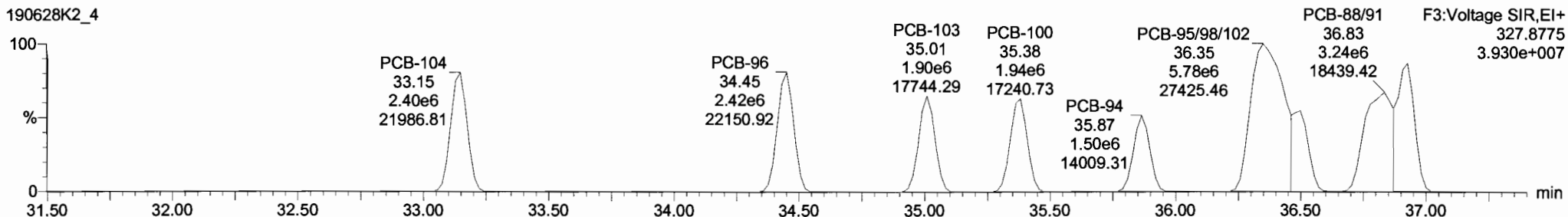
Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-96

190628K2_4

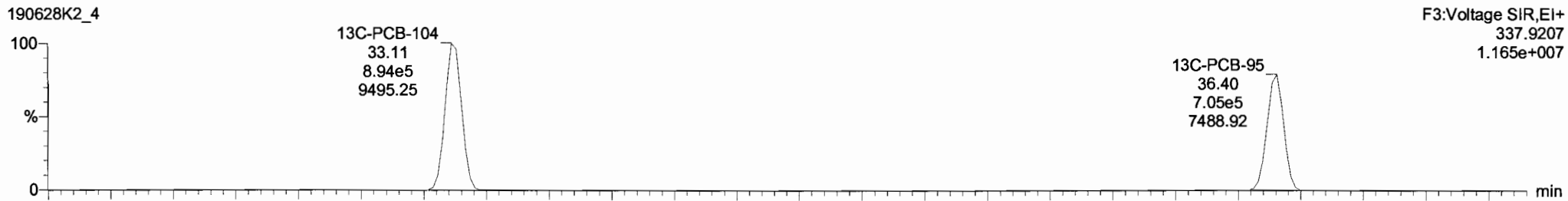


190628K2_4

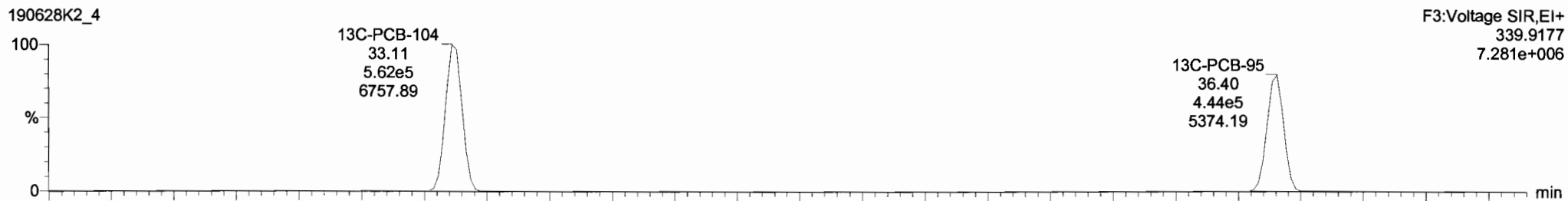


13C-PCB-95

190628K2_4



190628K2_4



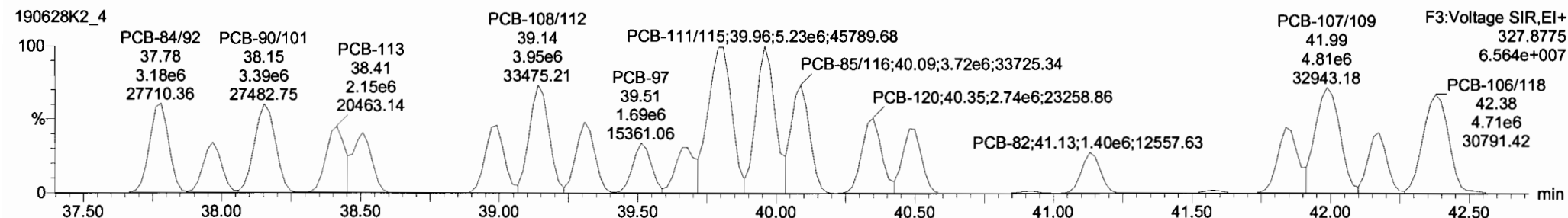
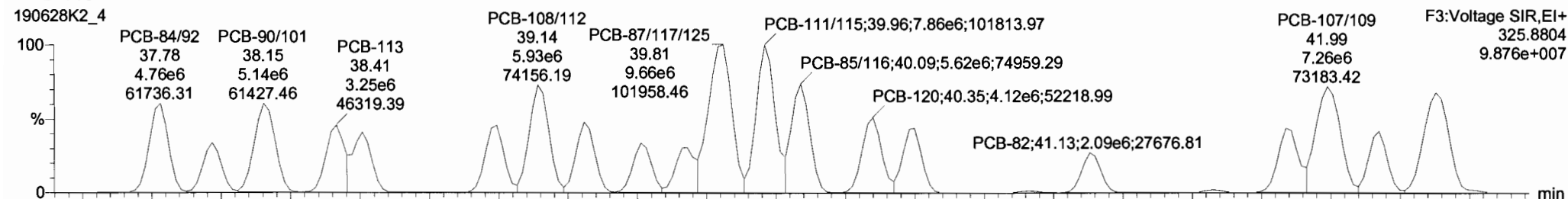
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

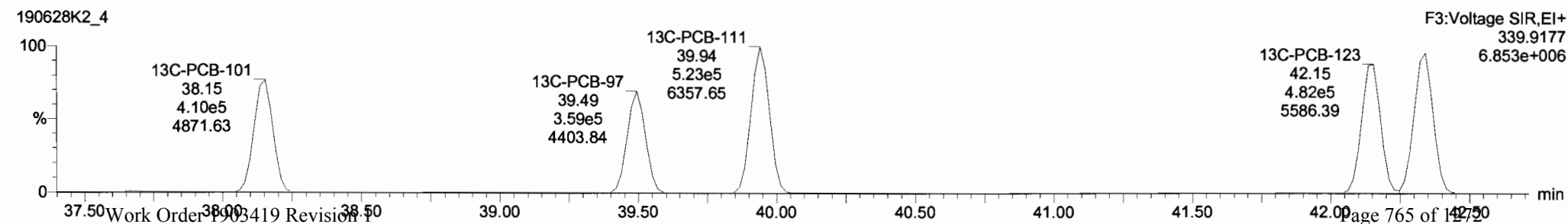
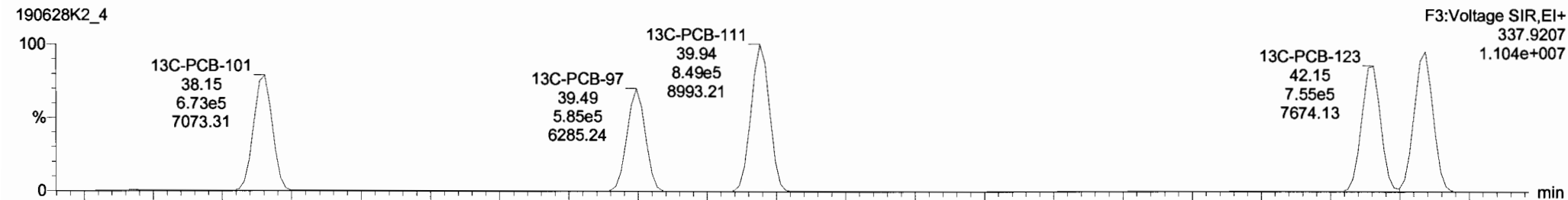
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-119

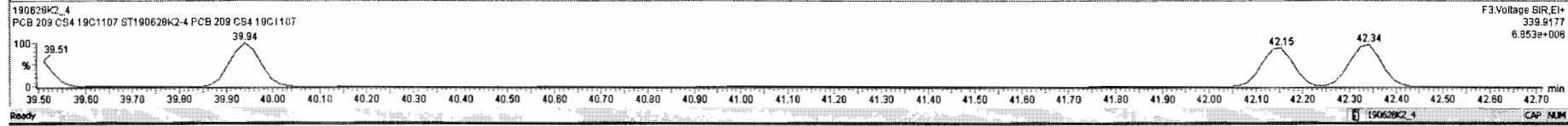
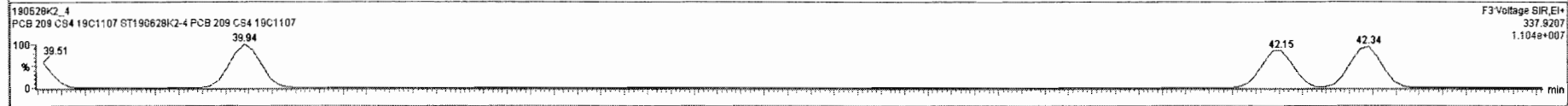
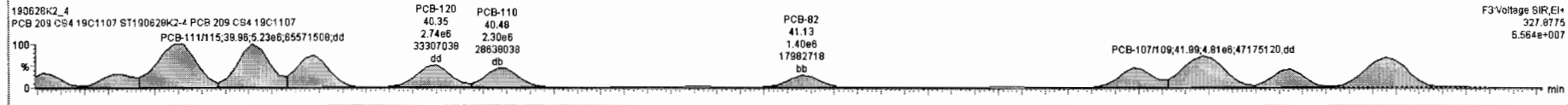
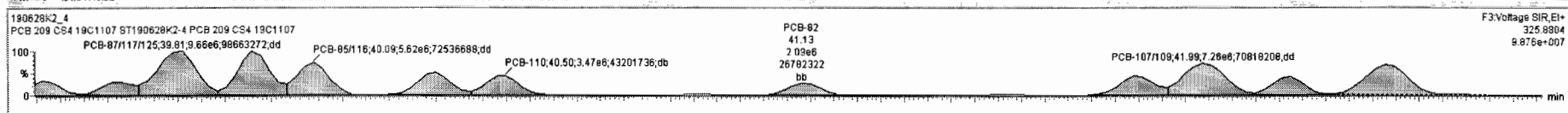


13C-PCB-111



| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.R. | RRT | RRT P/W | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|--------|---------|-------|---------|-------|---------|-------|------|--------|-------|
| 222 | 222 13C-PCB-79 | 1.52e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 99.56 | 99.6 | 0.0537 | |
| 223 | 223 13C-PCB-178 | 6.08e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 97.07 | 97.1 | 0.0672 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 1261 | | 0.0412 | 1261 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 5092 | | 0.394 | 5092 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 3323 | | 0.104 | 3323 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 6901 | | 0.905 | 6901 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 17700 | | 1.87 | 17700 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 17190 | | 0.903 | 17190 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 2126 | | 0.324 | 2126 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 5964 | | 0.201 | 5964 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 11930 | | 2.12 | 11930 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 9955 | | 2.30 | 9955 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 3818 | | 0.302 | 3818 |

| # | Name | Pred.RT | RT | Int Resp | m2 Resp | 1° Ret (Pred) | RA | n/y | EMPC | Conc. |
|---|------------------|---------|-------|----------|---------|---------------|------|-----|--------|--------|
| 1 | 84 PCB-104 | 33.13 | 33.15 | 3.629e6 | 2.403e6 | 1.560 | 1.51 | NO | 416.34 | 416.34 |
| 2 | 85 PCB-96 | 34.45 | 34.45 | 3.627e6 | 2.416e6 | 1.560 | 1.50 | NO | 416.63 | 416.63 |
| 3 | 66 PCB-103 | 35.01 | 35.01 | 2.885e6 | 1.895e6 | 1.590 | 1.52 | NO | 423.78 | 423.78 |
| 4 | 67 PCB-100 | 35.38 | 35.38 | 2.942e6 | 1.938e6 | 1.590 | 1.52 | NO | 430.88 | 430.88 |
| 5 | 68 PCB-94 | 35.69 | 35.67 | 2.268e6 | 1.501e6 | 1.590 | 1.51 | NO | 424.42 | 424.42 |
| 6 | 69 PCB-95/96/102 | 36.38 | 36.35 | 8.731e6 | 5.780e6 | 1.580 | 1.51 | NO | 1245.2 | 1245.2 |
| 7 | 70 PCB-93 | 36.51 | 36.50 | 2.418e6 | 1.588e6 | 1.590 | 1.52 | NO | 414.46 | 414.46 |



Dataset: Untitled

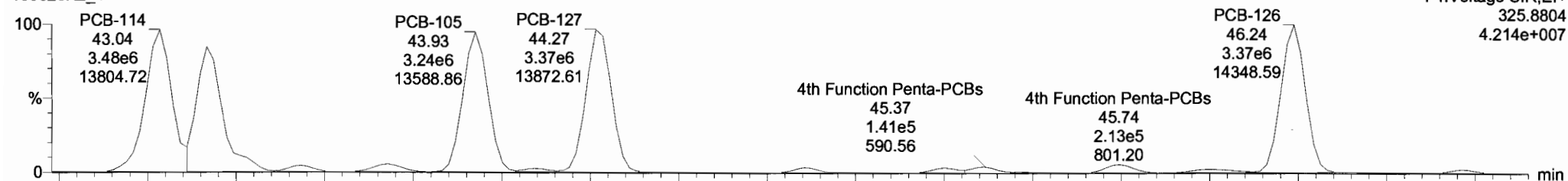
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

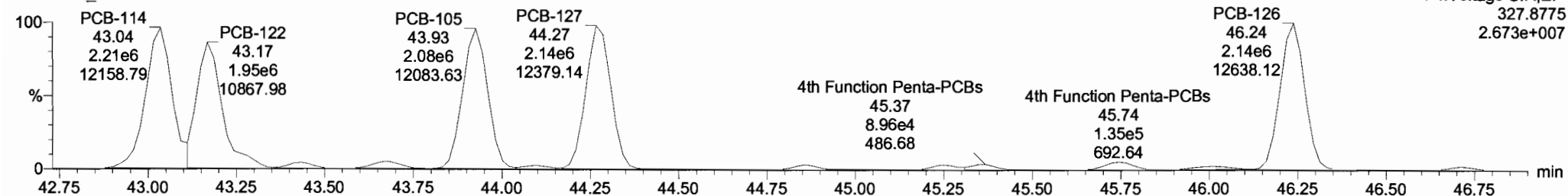
Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-114

190628K2_4

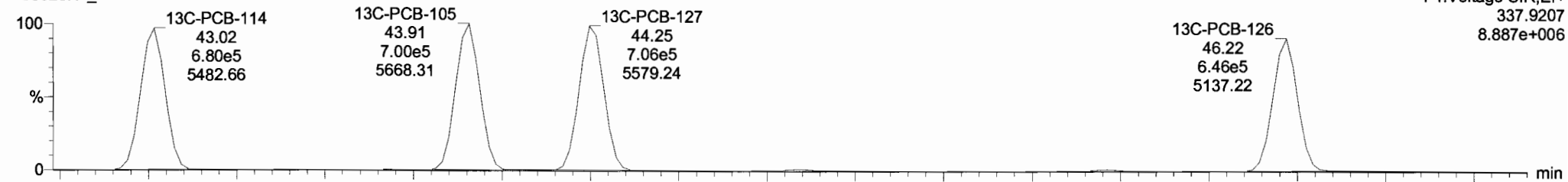


190628K2_4

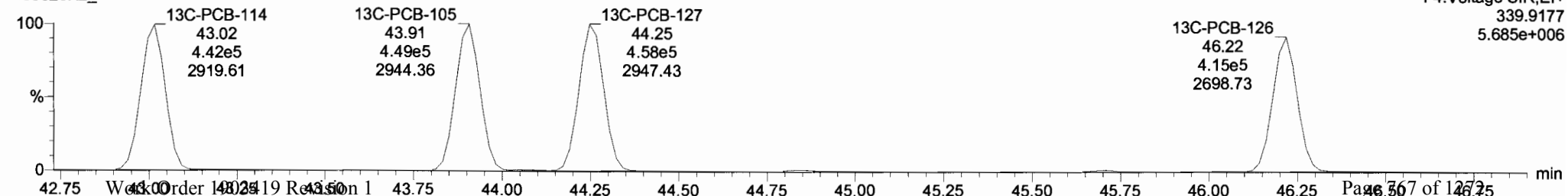


13C-PCB-114

190628K2_4

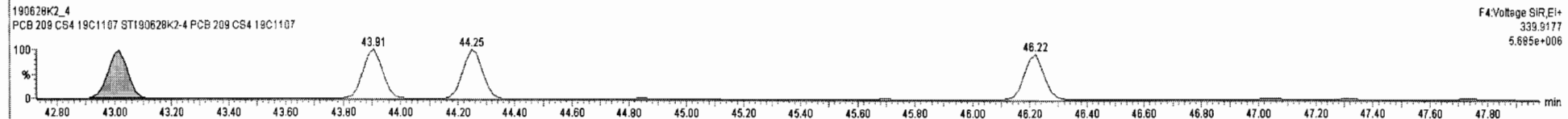
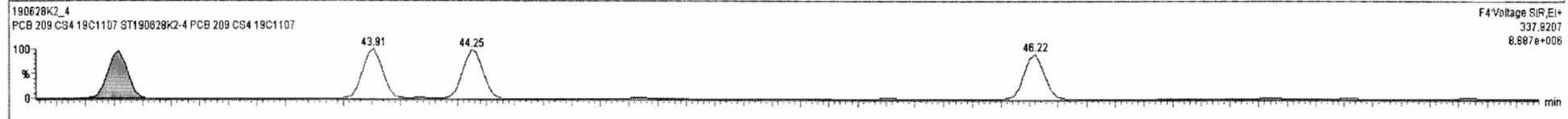
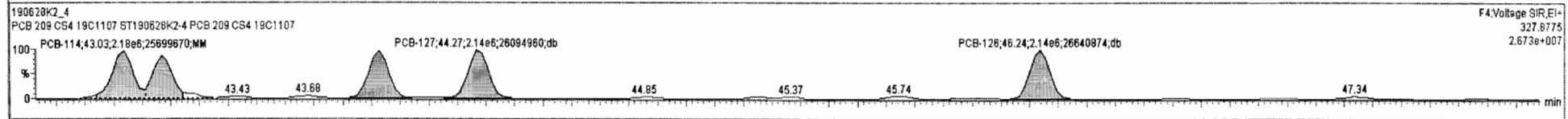
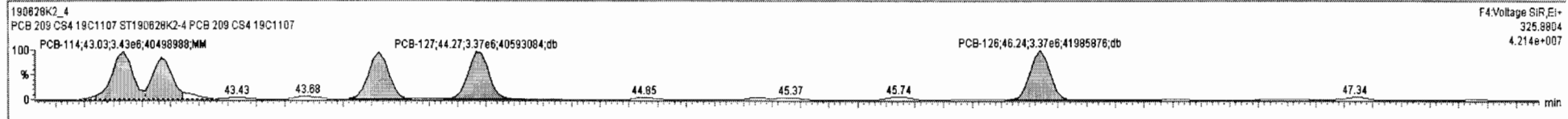


190628K2_4



| # | Name | Resp | RA | n/y | RRF | wt/Vol | Pred.RT | RT | Pred.R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------------------|--------|------|-----|--------|--------|---------|-------|-----------|-------|----------|-------|------|--------|-------|
| 222 | 13C-PCB-79 | 1.52e6 | 0.78 | NO | 1.0454 | 1.000 | 36.46 | 36.47 | 0.968 | 0.968 | NO | 99.56 | 99.6 | 0.0537 | |
| 223 | 13C-PCB-178 | 6.08e5 | 0.46 | NO | 0.9749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 97.07 | 97.1 | 0.0672 | |
| 224 | Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 1261 | | 0.0412 | 1261 |
| 225 | Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 5092 | | 0.394 | 5092 |
| 226 | 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 3323 | | 0.104 | 3323 |
| 227 | 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 6901 | | 0.905 | 6901 |
| 228 | Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 17700 | | 1.87 | 17700 |
| 229 | 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 17190 | | 0.903 | 17190 |
| 230 | 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 2126 | | 0.324 | 2126 |
| 231 | 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 5984 | | 0.201 | 5984 |
| 232 | 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 11930 | | 2.12 | 11930 |
| 233 | Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 9955 | | 2.30 | 9955 |
| 234 | 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 3818 | | 0.302 | 3818 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|------------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 1 | 93 PCB-114 | 43.04 | 43.03 | 3.428e6 | 2.181e6 | 1.580 | 1.57 | NO | 430.65 | 430.65 |
| 2 | 94 PCB-122 | 43.17 | 43.17 | 2.786e6 | 1.785e6 | 1.560 | 1.56 | NO | 419.12 | 419.12 |
| 3 | 95 PCB-105 | 43.92 | 43.92 | 3.242e6 | 2.075e6 | 1.550 | 1.56 | NO | 420.49 | 420.49 |
| 4 | 96 PCB-127 | 44.27 | 44.27 | 3.374e6 | 2.141e6 | 1.560 | 1.58 | NO | 427.75 | 427.75 |
| 5 | 97 PCB-126 | 46.24 | 46.24 | 3.366e6 | 2.143e6 | 1.560 | 1.57 | NO | 428.28 | 428.28 |

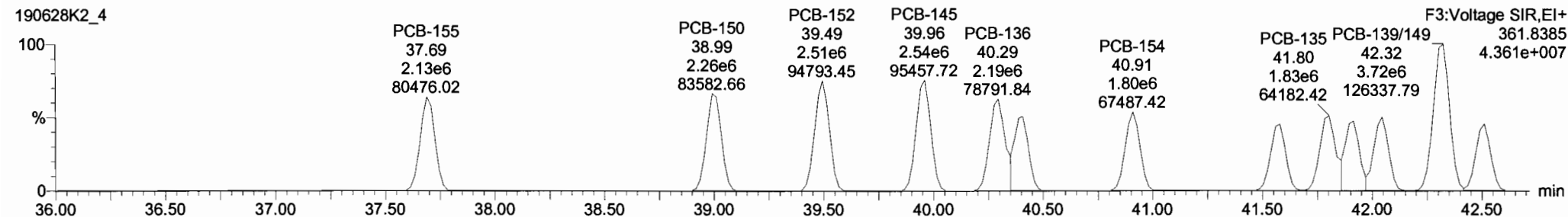
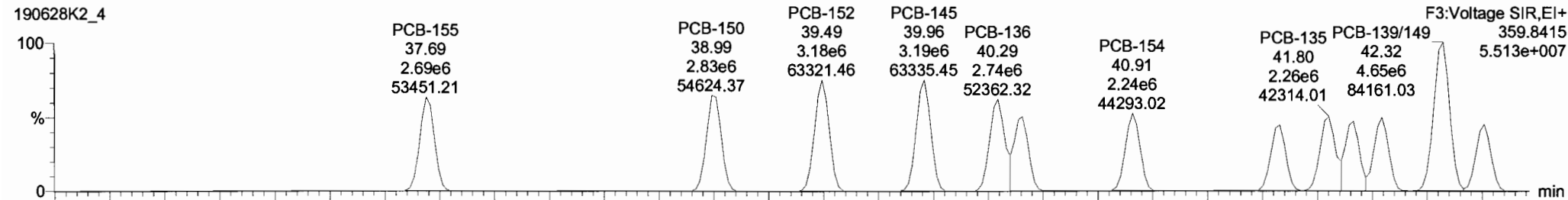


Dataset: Untitled

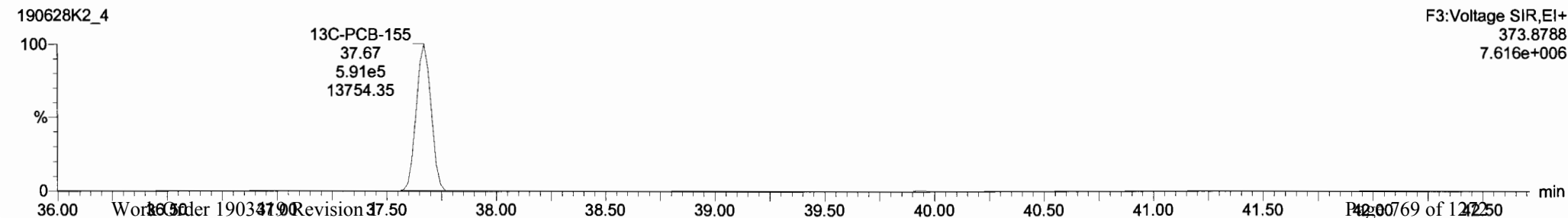
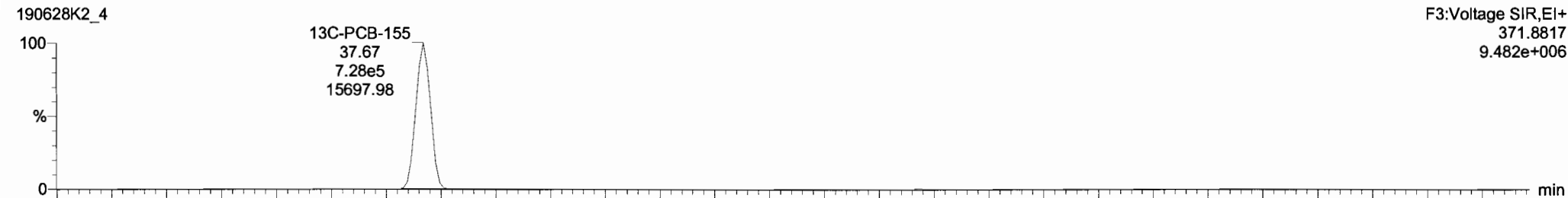
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-155



13C-PCB-155

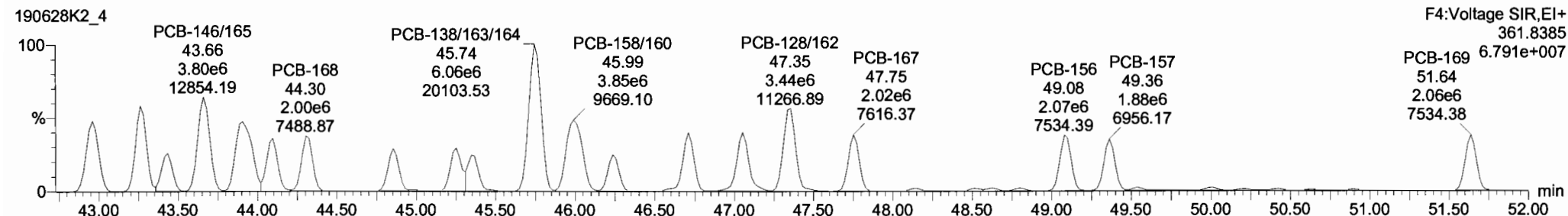
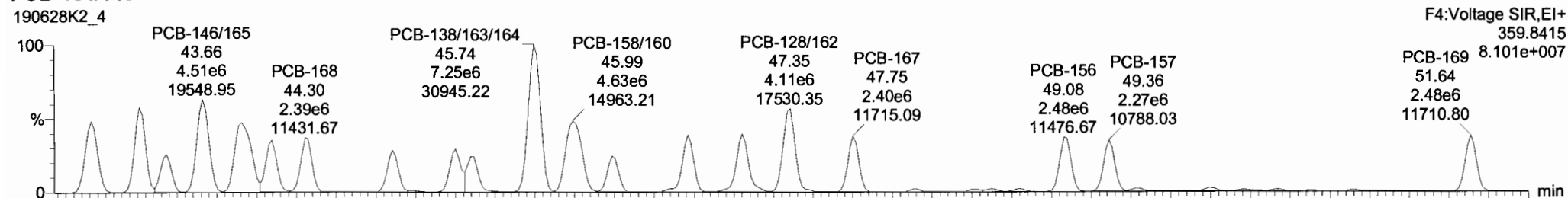


Dataset: Untitled

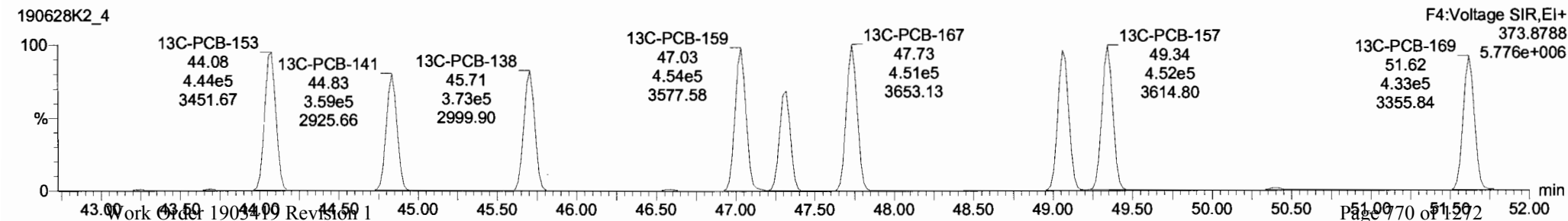
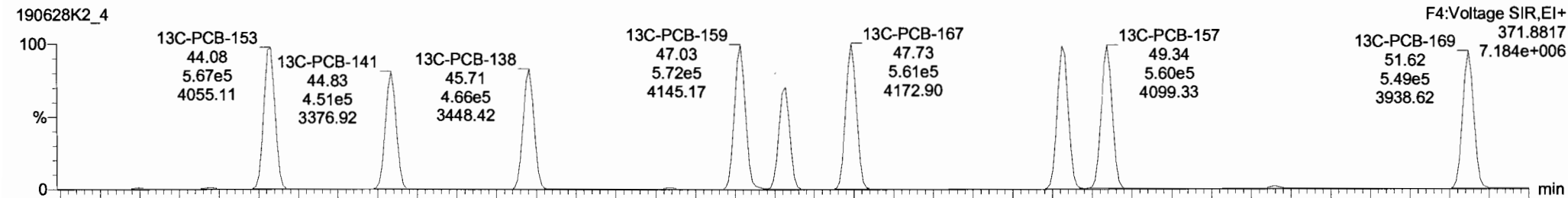
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-134/143



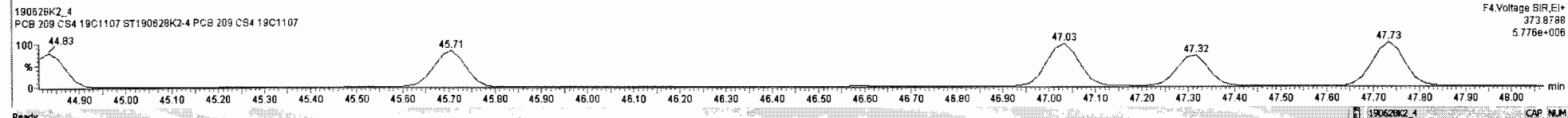
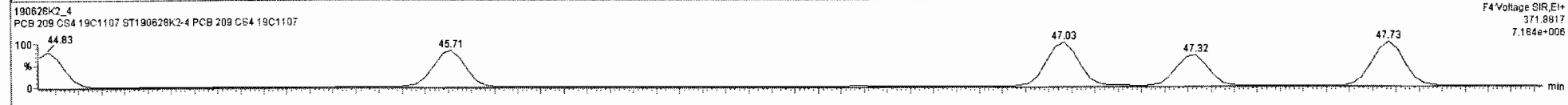
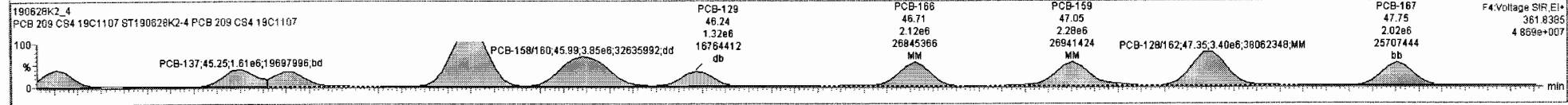
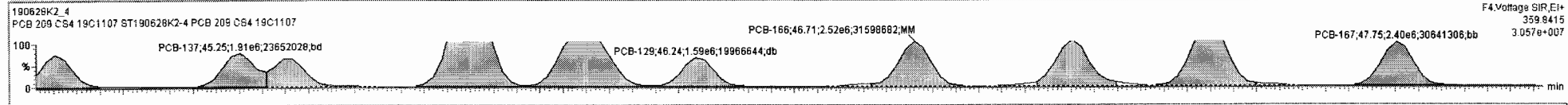
13C-PCB-153



190628K2_4 - ST190628K2-4 PCB 209 CS4 19C1107 - PCB 209 CS4 19C1107

| # | Name | Resp | RA | n/Y | RF | wAval | Pred.RT | RT | Pred.R | RRT | RRT.Fail | Conc | %Res | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 222 | 222 13C-PCB-78 | 1.52e6 | 0.78 | NO | 1.0454 | 1.000 | 38.46 | 38.47 | 0.968 | 0.968 | NO | 99.56 | 99.8 | 0.0537 | |
| 223 | 223 13C-PCB-178 | 6.08e5 | 0.46 | NO | 0.9748 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 97.07 | 97.1 | 0.0672 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 1261 | | 0.0412 | 1261 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 5092 | | 0.394 | 5092 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 3323 | | 0.104 | 3323 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 6901 | | 0.905 | 6901 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 17700 | | 1.87 | 17700 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 17190 | | 0.903 | 17190 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 2126 | | 0.324 | 2126 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 5984 | | 0.201 | 5984 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 11930 | | 2.12 | 11930 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 9955 | | 2.30 | 9955 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 3818 | | 0.302 | 3818 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1 st Ratio (Pred) | RA | n/Y | EMPC | Conc |
|---|-----------------|---------|-------|---------|---------|------------------------------|------|-----|--------|--------|
| 1 | 111 PCB-134/143 | 42.96 | 42.96 | 3.475e6 | 2.888e6 | 1.240 | 1.20 | NO | 858.07 | 858.07 |
| 2 | 112 PCB-131/133 | 43.26 | 43.26 | 3.713e6 | 3.108e6 | 1.240 | 1.20 | NO | 853.66 | 853.66 |
| 3 | 113 PCB-142 | 43.45 | 43.43 | 1.653e6 | 1.372e6 | 1.240 | 1.21 | NO | 422.47 | 422.47 |
| 4 | 114 PCB-146/165 | 43.66 | 43.66 | 4.509e6 | 3.805e6 | 1.240 | 1.18 | NO | 856.86 | 856.86 |
| 5 | 115 PCB-132/161 | 43.91 | 43.91 | 4.584e6 | 3.826e6 | 1.240 | 1.20 | NO | 853.51 | 853.51 |
| 6 | 116 PCB-153 | 44.10 | 44.10 | 2.313e6 | 1.940e6 | 1.240 | 1.19 | NO | 415.50 | 415.50 |
| 7 | 117 PCB-168 | 44.30 | 44.31 | 2.388e6 | 2.001e6 | 1.240 | 1.19 | NO | 425.76 | 425.76 |

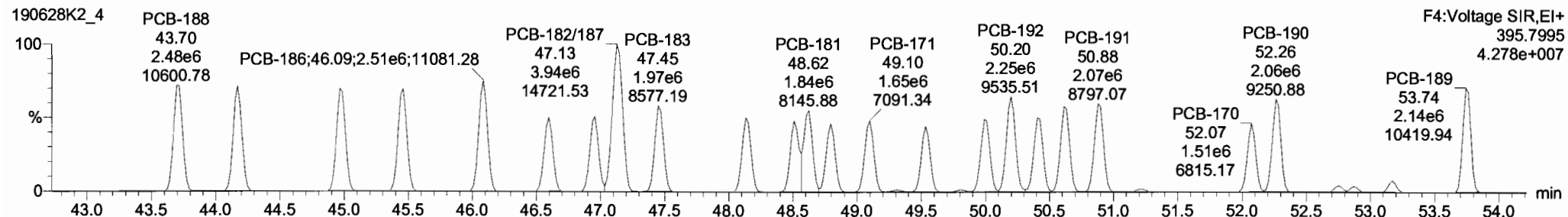
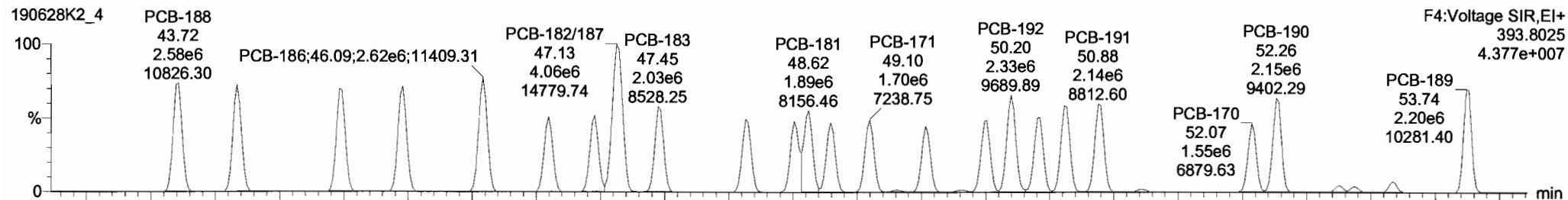


Dataset: Untitled

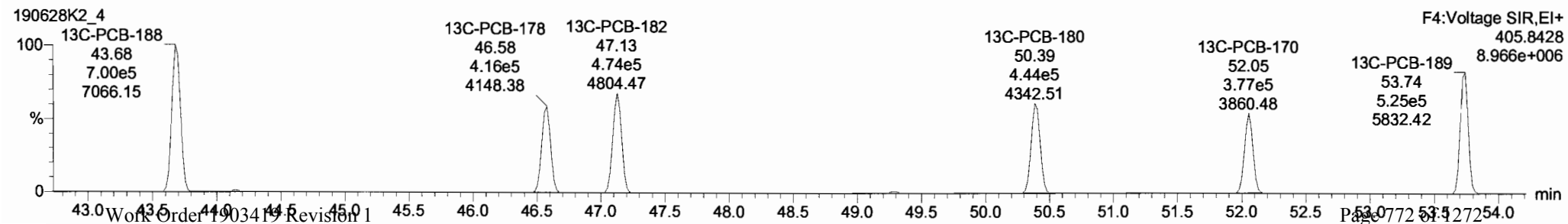
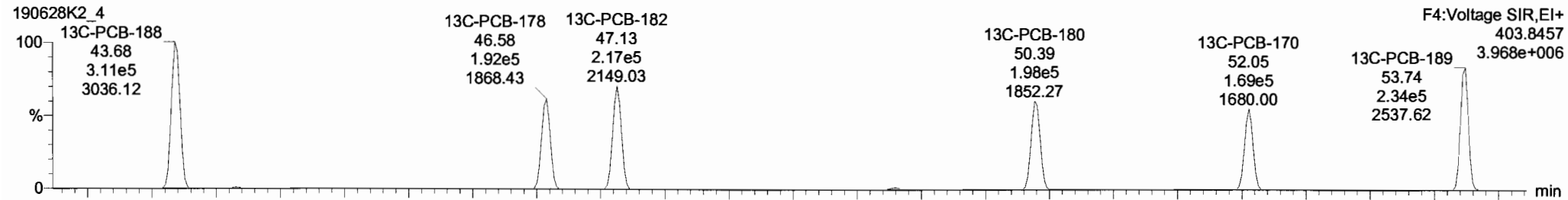
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-188



13C-PCB-188



Dataset: Untitled

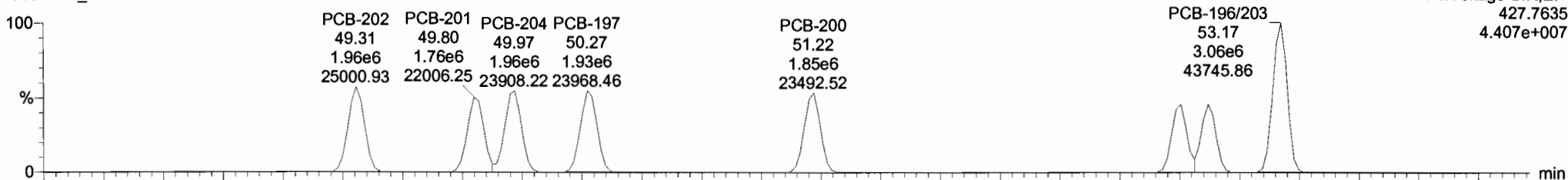
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-202

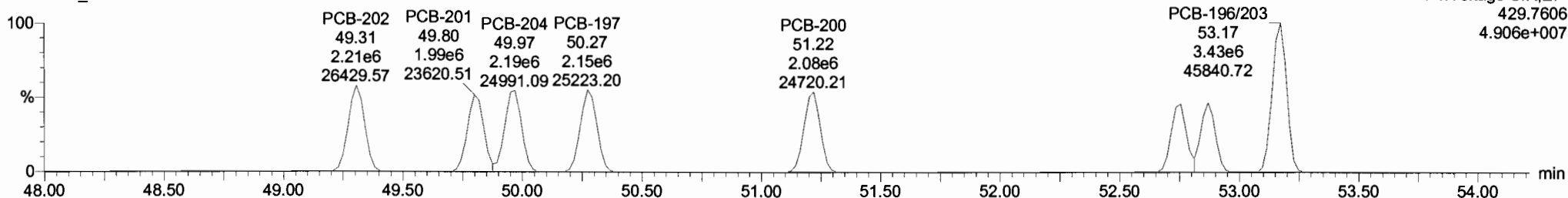
190628K2_4

F4:Voltage SIR,EI+
427.7635
4.407e+007



190628K2_4

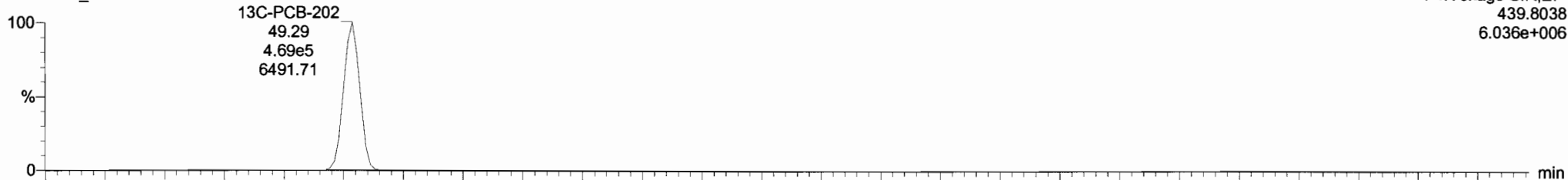
F4:Voltage SIR,EI+
429.7606
4.906e+007



13C-PCB-202

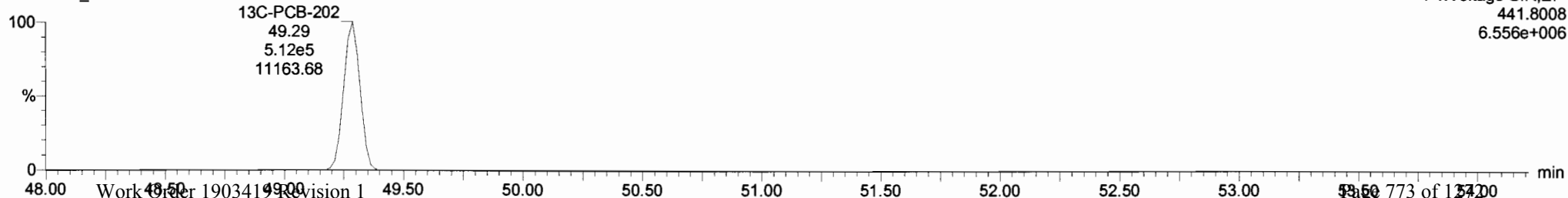
190628K2_4

F4:Voltage SIR,EI+
439.8038
6.036e+006



190628K2_4

F4:Voltage SIR,EI+
441.8008
6.556e+006

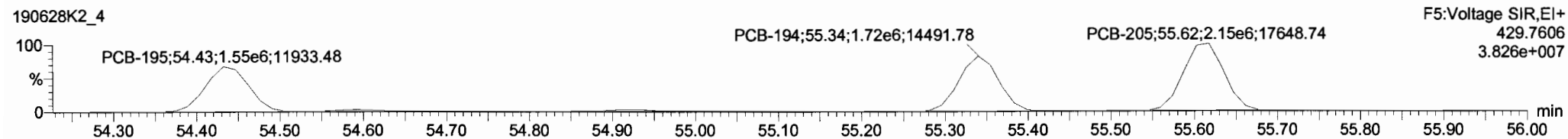
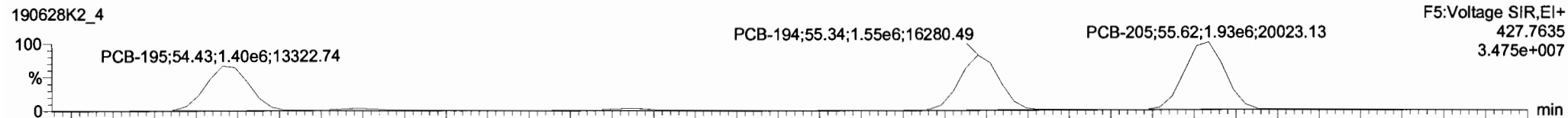


Dataset: Untitled

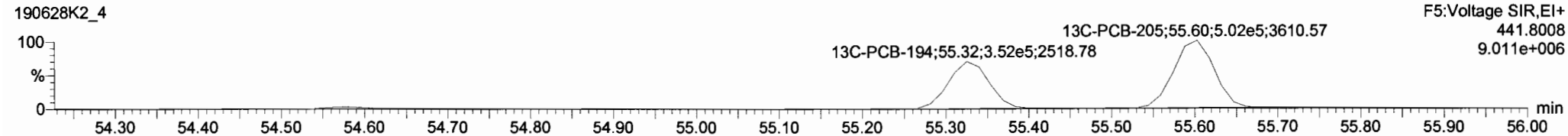
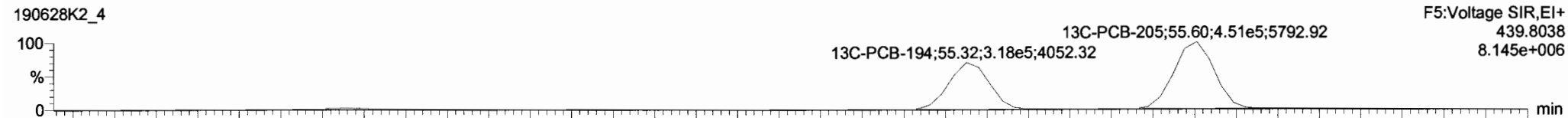
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

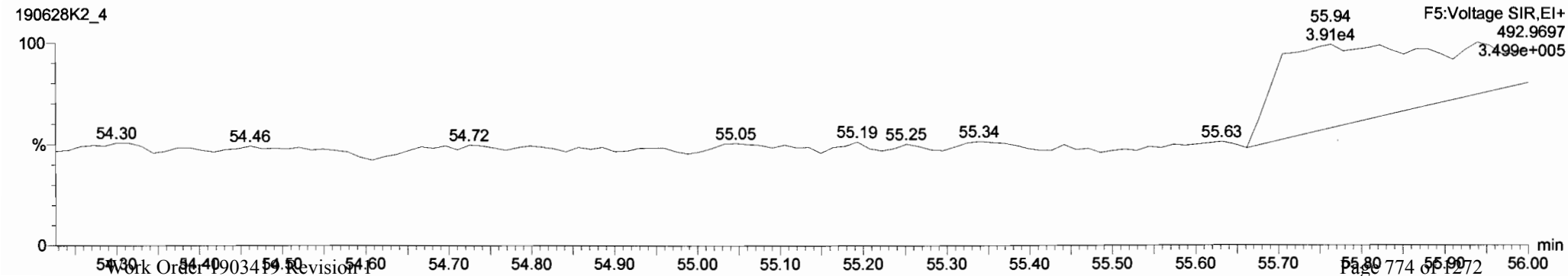
PCB-195



13C-PCB-194



PFK5

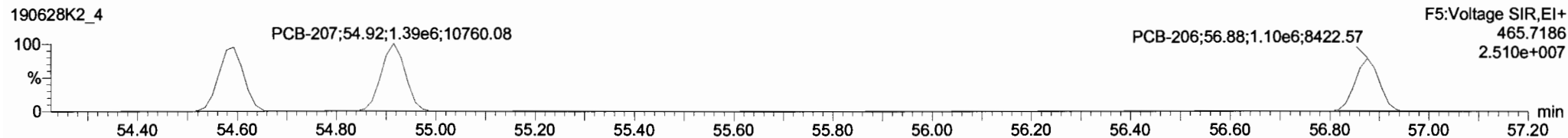
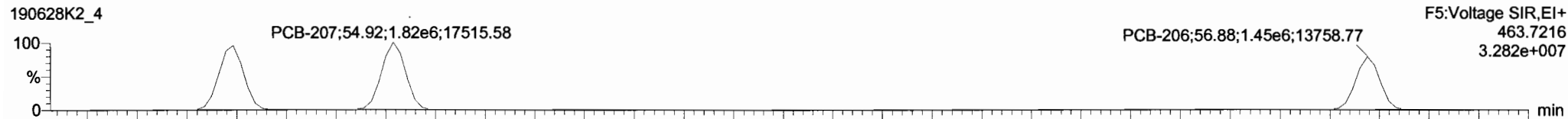


Dataset: Untitled

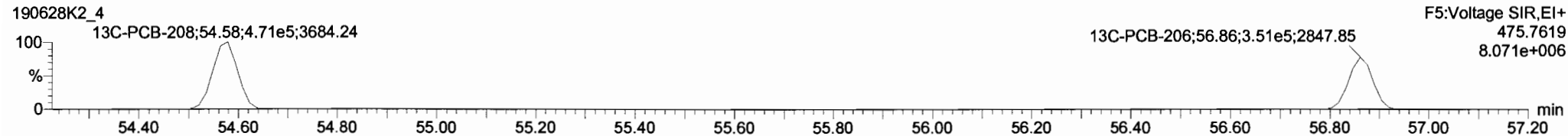
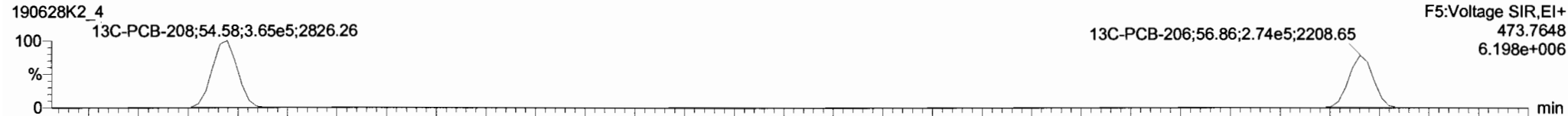
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

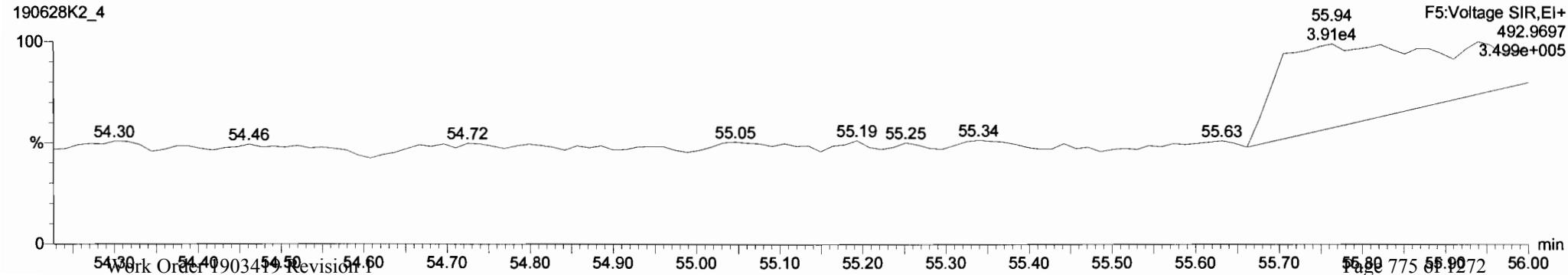
PCB-208



13C-PCB-208



PFK5



Vista Analytical Laboratory VG-11

Dataset: Untitled

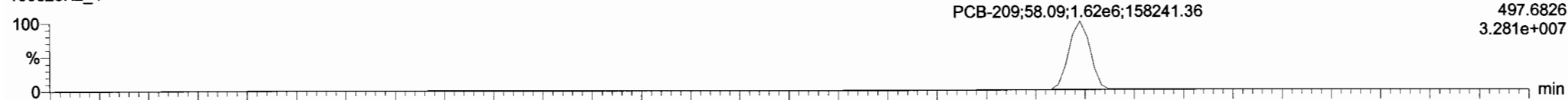
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

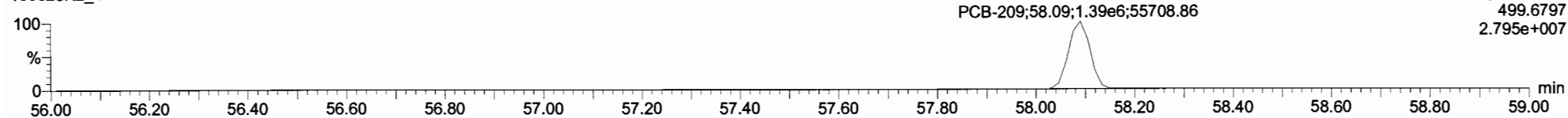
Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-209

190628K2_4

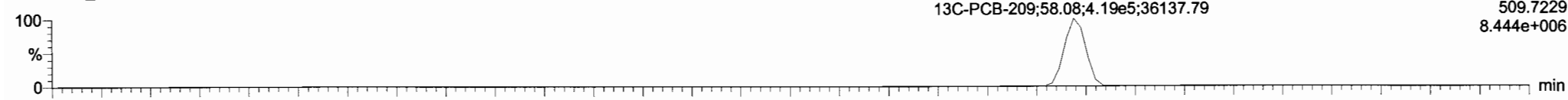


190628K2_4

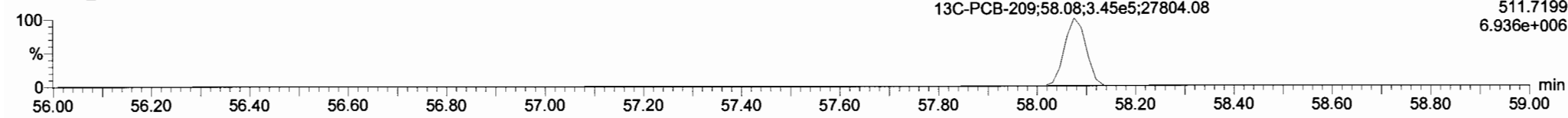


13C-PCB-209

190628K2_4

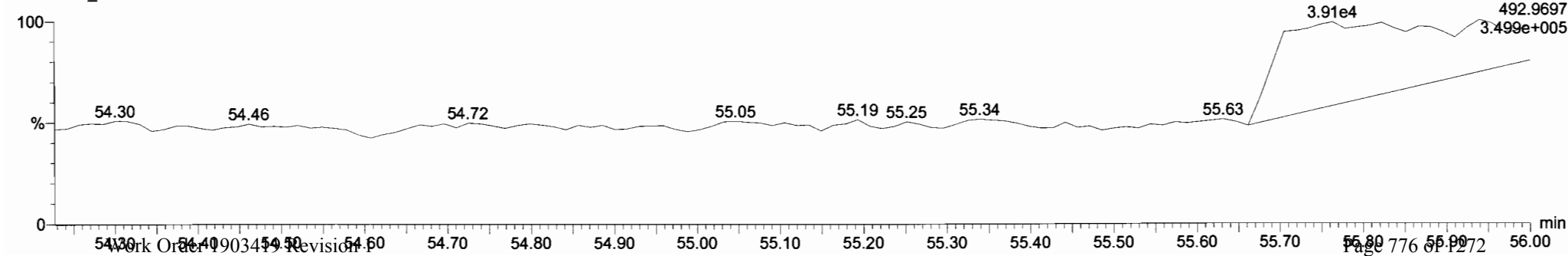


190628K2_4



PFK5

190628K2_4



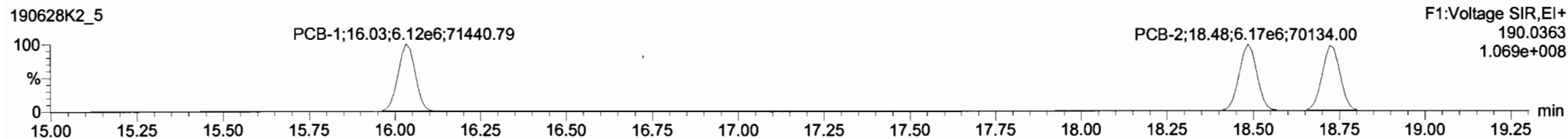
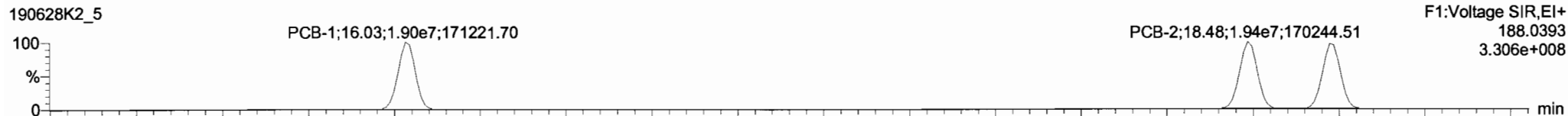
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

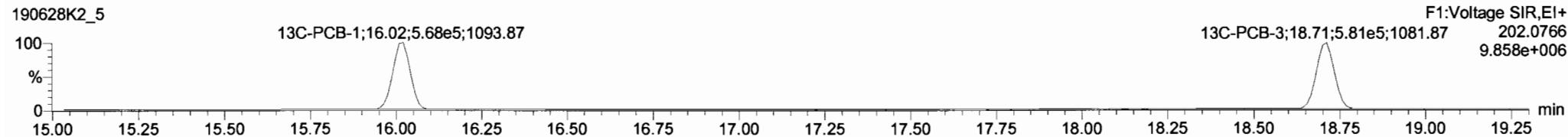
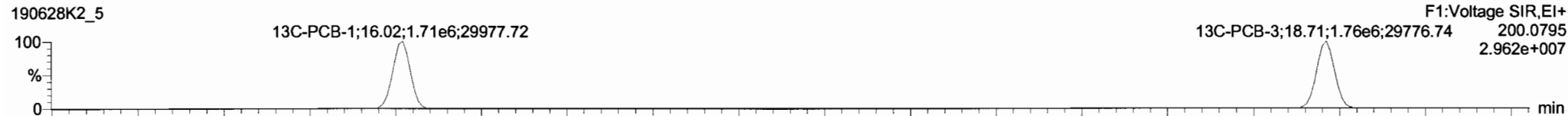
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

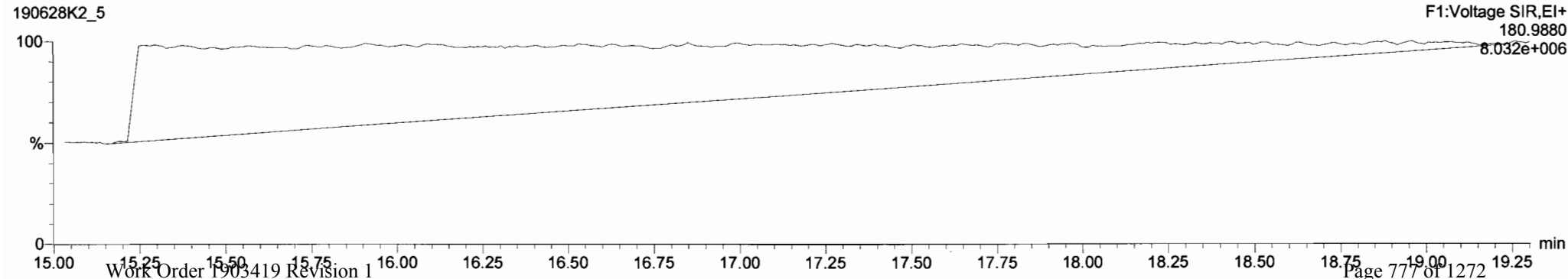
PCB-1



13C-PCB-1



PFK1



Vista Analytical Laboratory VG-11

Dataset: Untitled

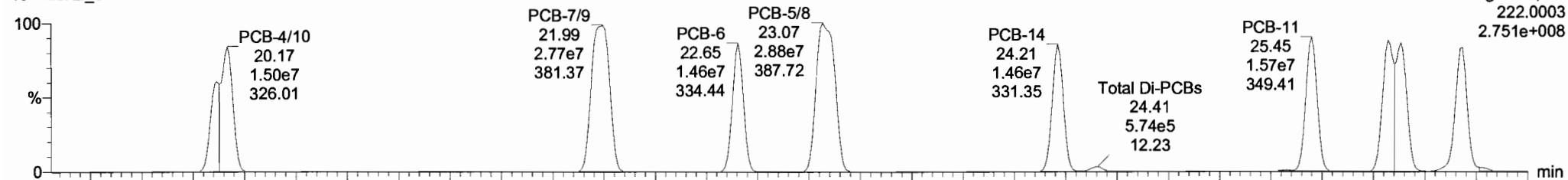
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

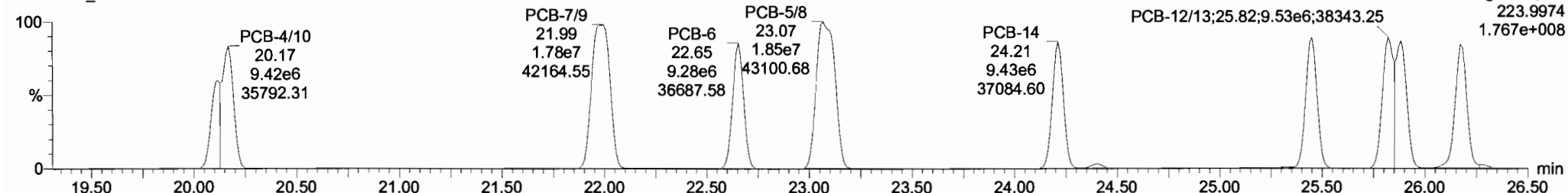
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-4/10

190628K2_5

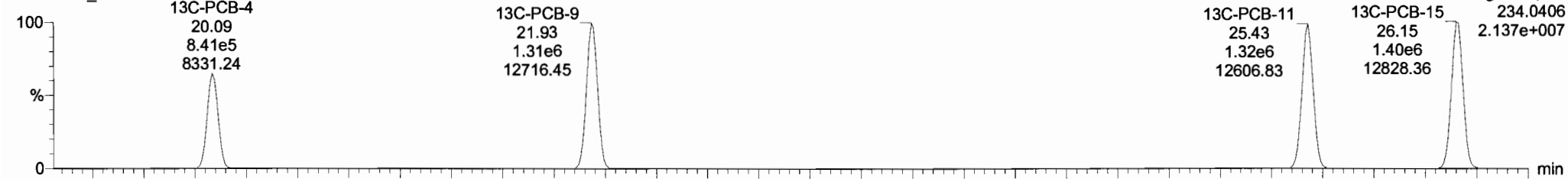


190628K2_5

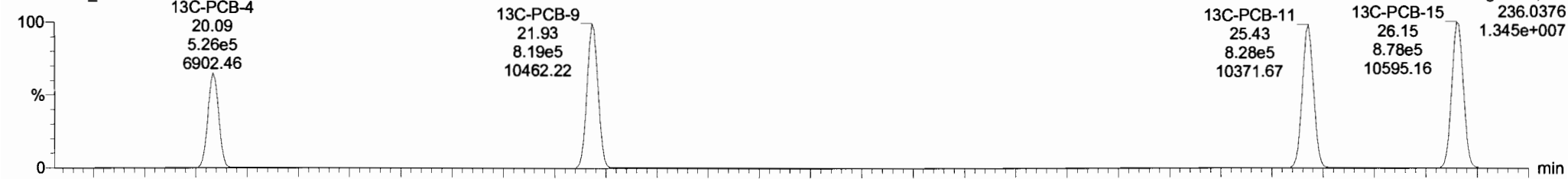


13C-PCB-4

190628K2_5



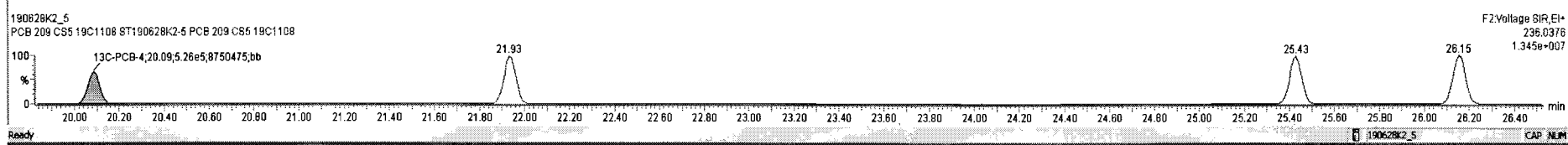
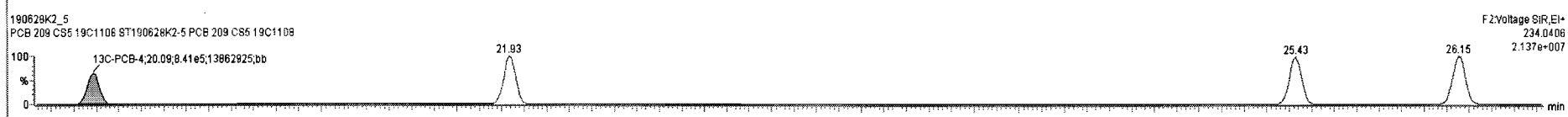
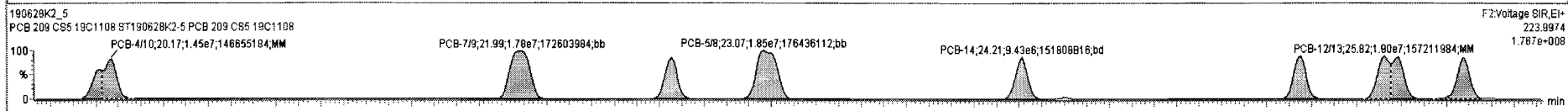
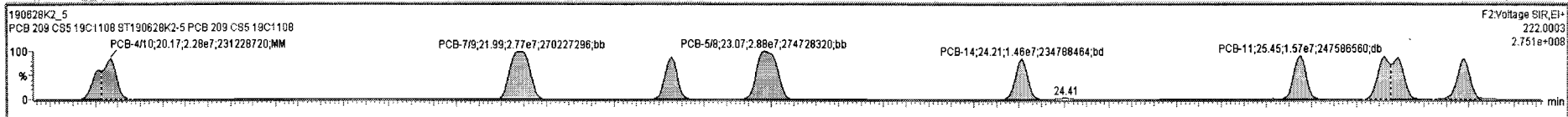
190628K2_5



190628K2_5 - ST190628K2_5 PCB 209 CS5 19C1108 - PCB 209 CS5 19C1108

| # | Name | Resp | RA | n/y | RRF | wfVol | Pred.RT | RT | Pred.R... | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|----|-----------|-----|----------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 3246 | | 0.0518 | 3246 |
| 225 | 225 Total Di-PCBs | | | | 4.0592 | 1.000 | 0.00 | | 0.000 | | NO | 13080 | | 33.3 | 13080 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 8463 | | 0.123 | 8463 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 17720 | | 1.06 | 17720 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 45340 | | 1.51 | 45340 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 44100 | | 0.595 | 44100 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 5423 | | 0.369 | 5423 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 15290 | | 0.287 | 15290 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 30690 | | 2.48 | 30690 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 25420 | | 4.36 | 25420 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 8938 | | 0.572 | 8938 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 3276 | | 0.241 | 3276 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 3250 | | 0.351 | 3250 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | ** Ratio (Pres) | RA | n/y | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 4 PCB-4/10 | 20.17 | 20.17 | 2.284e7 | 1.448e7 | 1.560 | 1.56 | NO | 2140.3 | 2140.3 |
| 2 | 5 PCB-7/9 | 21.99 | 21.99 | 2.771e7 | 1.780e7 | 1.560 | 1.56 | NO | 2185.9 | 2185.9 |
| 3 | 6 PCB-6 | 22.84 | 22.85 | 1.457e7 | 9.281e6 | 1.560 | 1.57 | NO | 1099.3 | 1099.3 |
| 4 | 7 PCB-5/8 | 23.06 | 23.07 | 2.877e7 | 1.847e7 | 1.560 | 1.56 | NO | 2190.4 | 2190.4 |
| 5 | 8 PCB-14 | 24.22 | 24.21 | 1.459e7 | 9.427e6 | 1.560 | 1.55 | NO | 1083.6 | 1083.6 |
| 6 | 9 PCB-11 | 25.45 | 25.45 | 1.572e7 | 9.987e6 | 1.560 | 1.57 | NO | 1083.5 | 1083.5 |
| 7 | 10 PCB-12/13 | 25.82 | 25.82 | 2.943e7 | 1.895e7 | 1.560 | 1.55 | NO | 2173.9 | 2173.9 |



Vista Analytical Laboratory VG-11

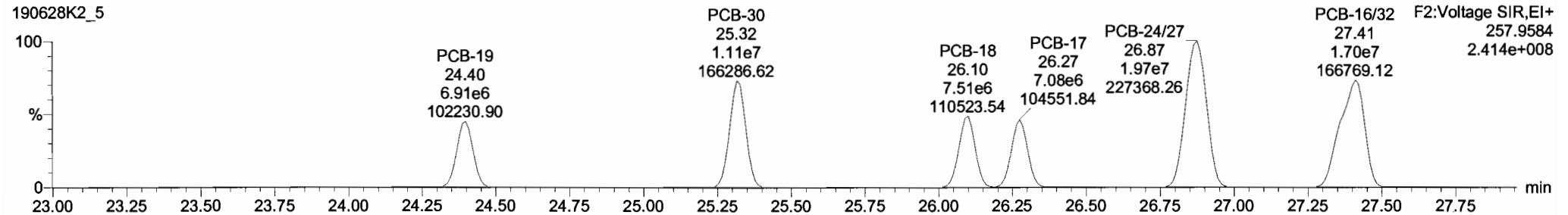
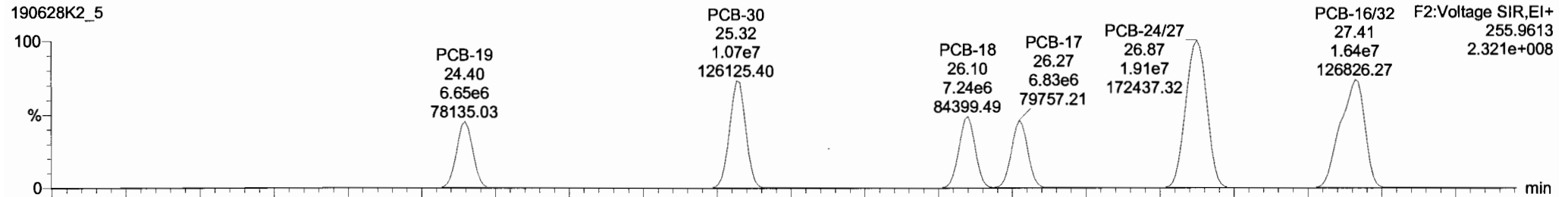
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

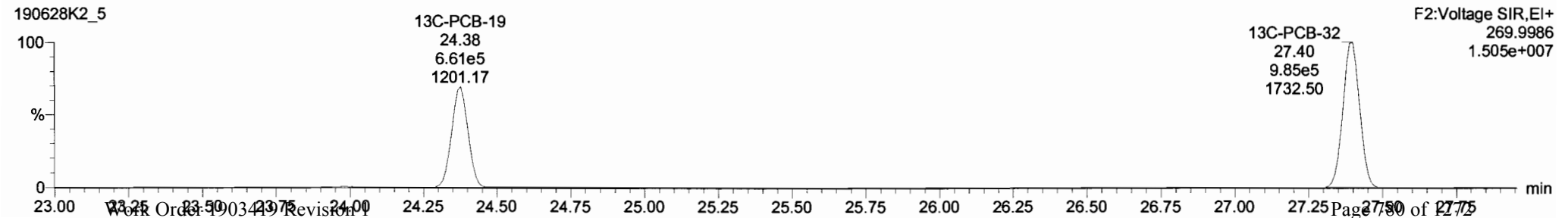
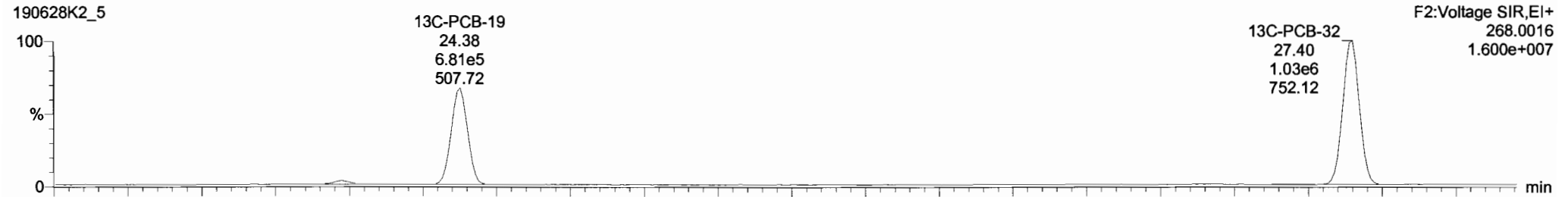
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-19



13C-PCB-19



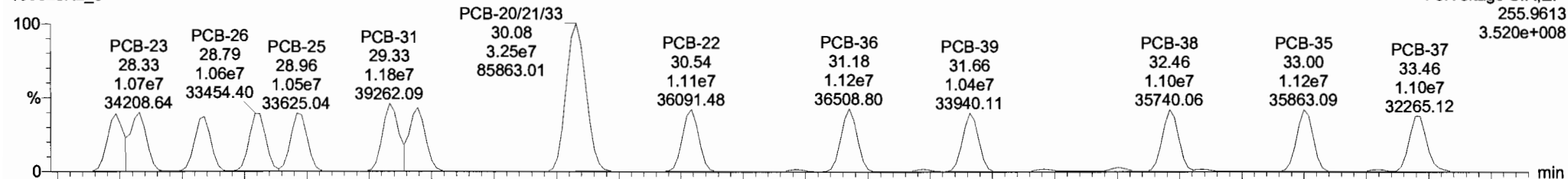
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

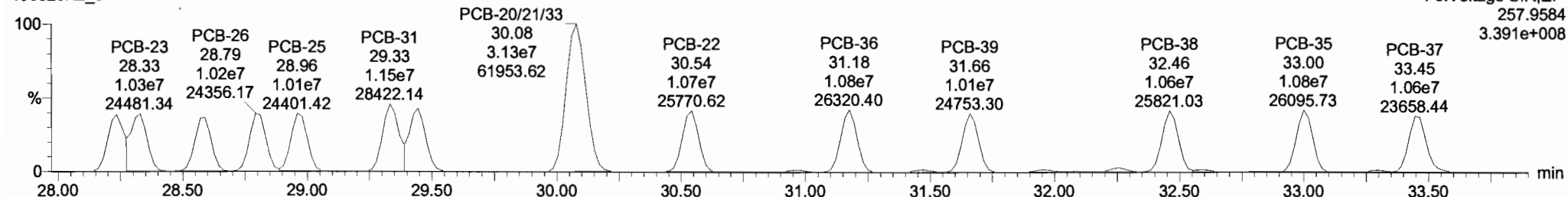
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-34

190628K2_5

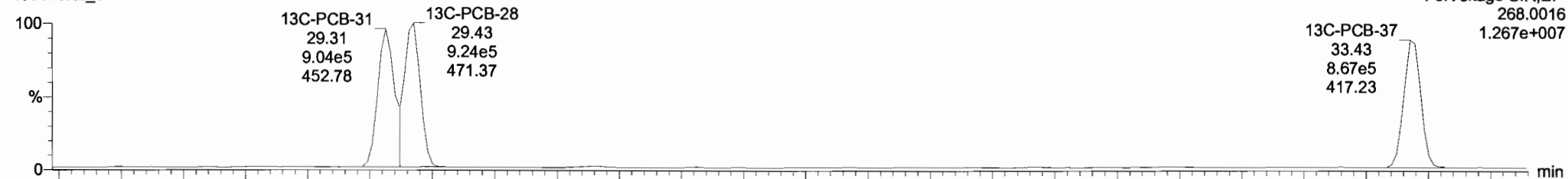


190628K2_5

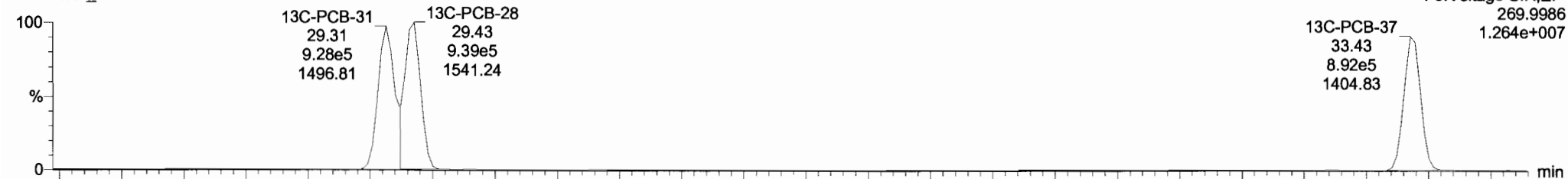


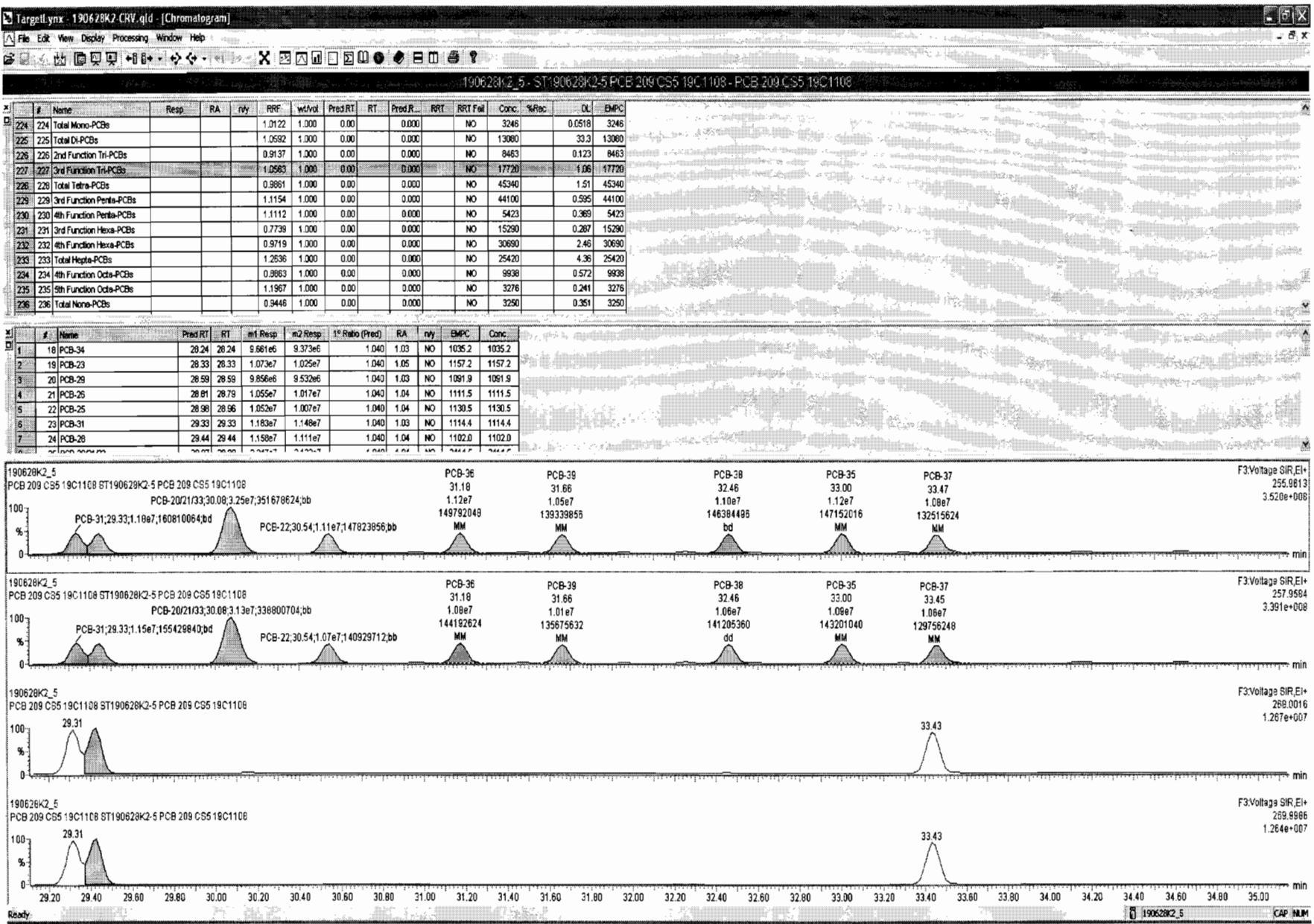
13C-PCB-28

190628K2_5



190628K2_5





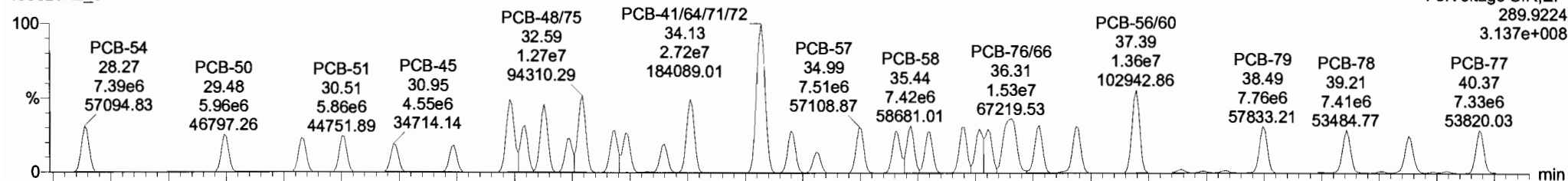
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

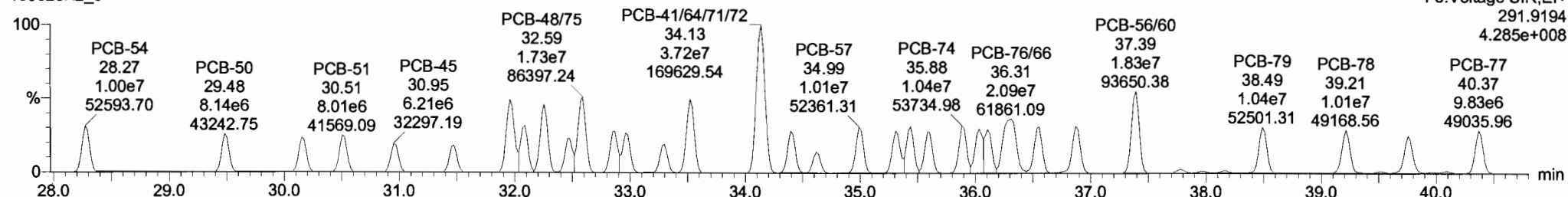
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-54

190628K2_5

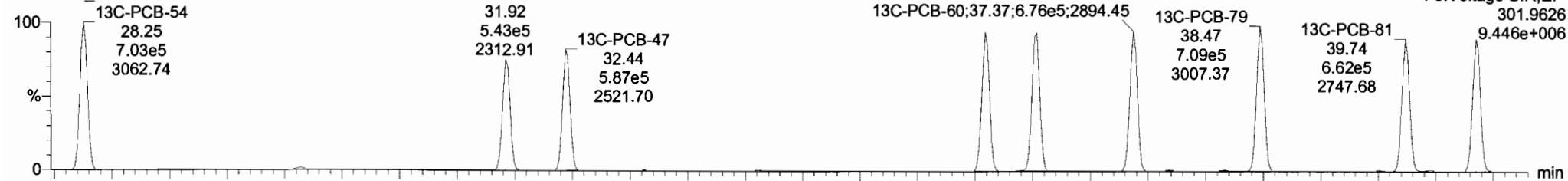


190628K2_5

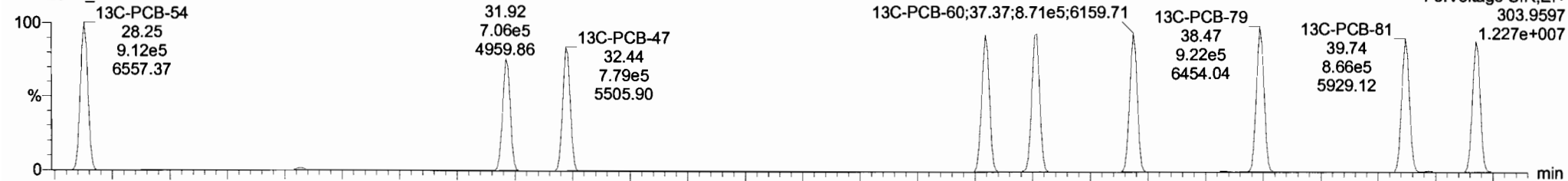


13C-PCB-54

190628K2_5



190628K2_5

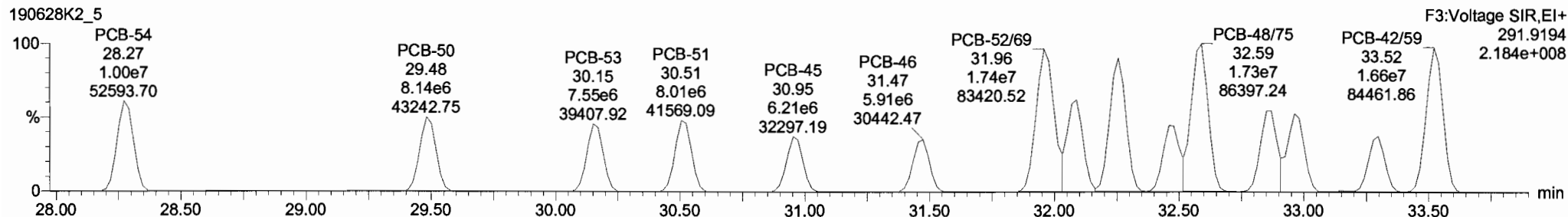
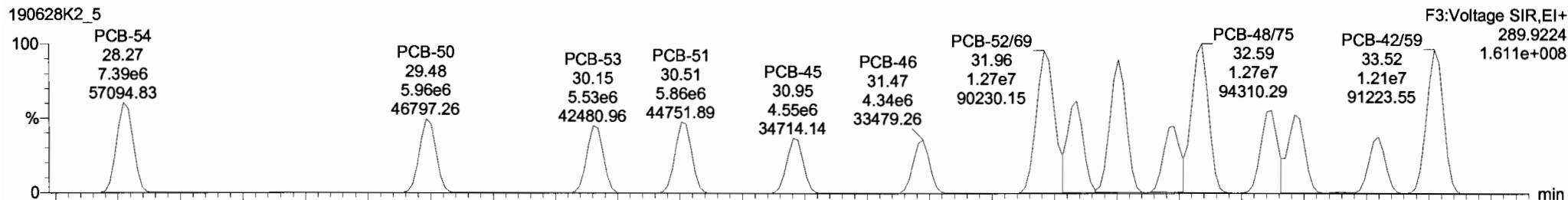


Dataset: Untitled

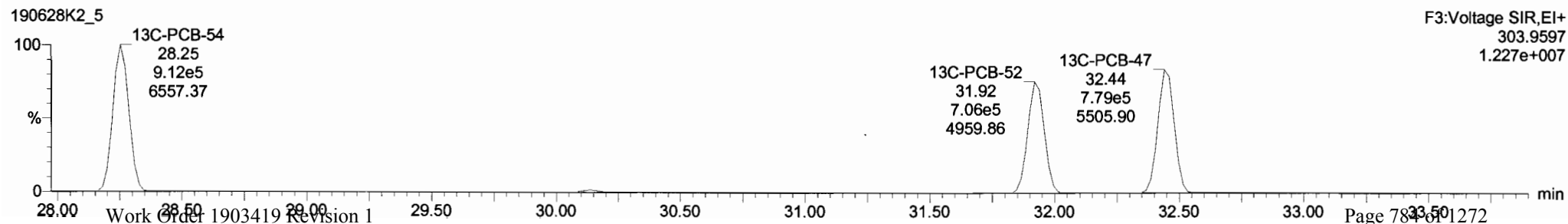
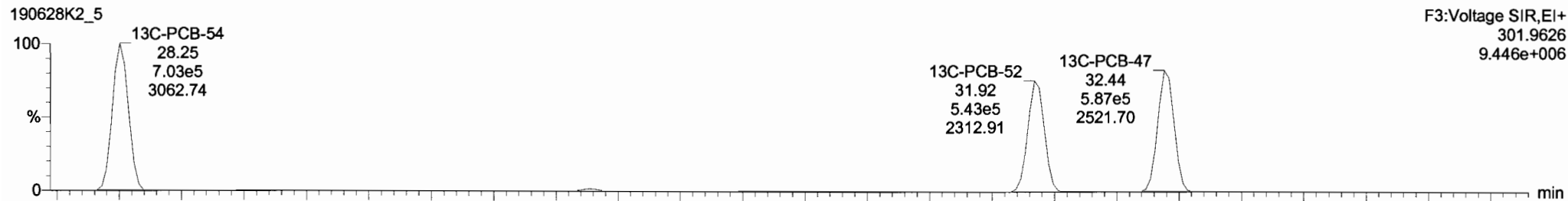
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-50



13C-PCB-52

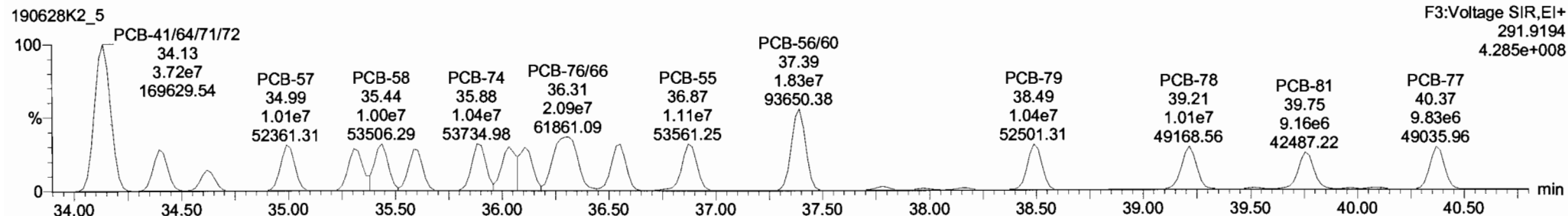
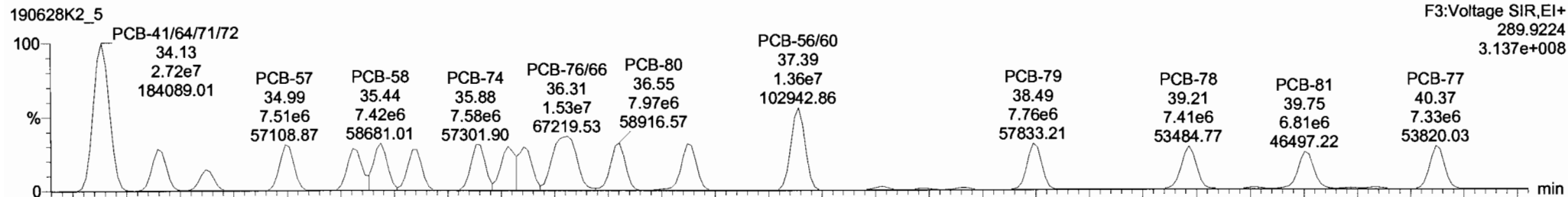


Dataset: Untitled

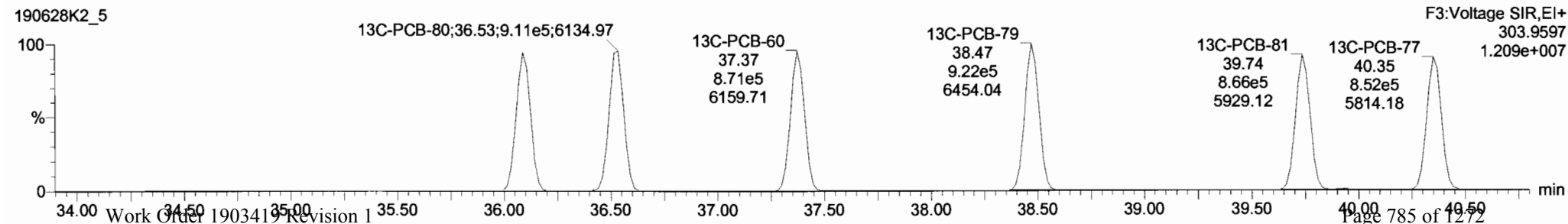
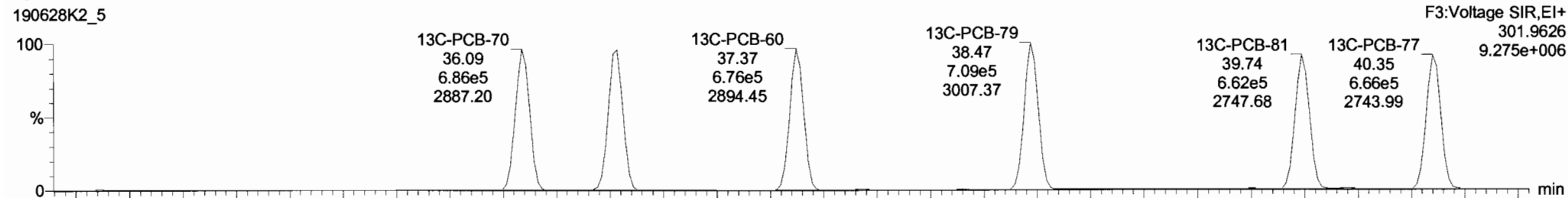
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-68

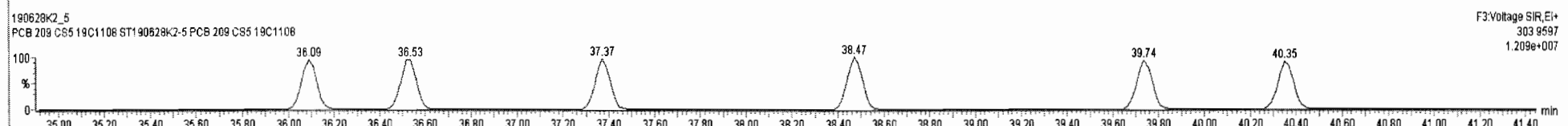
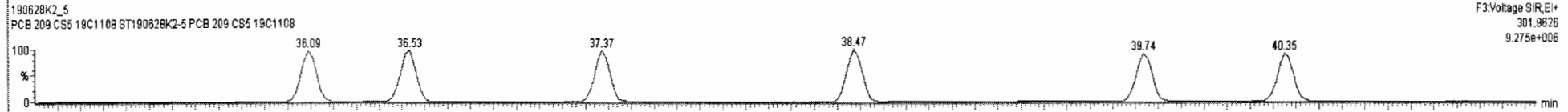
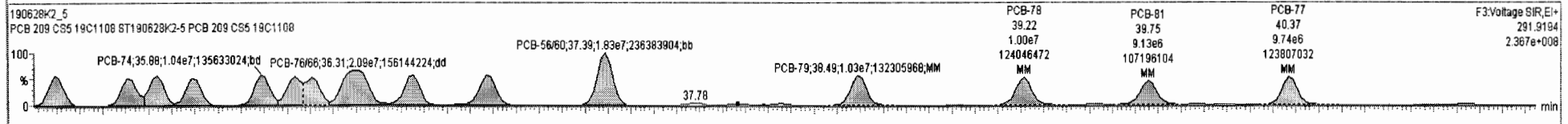
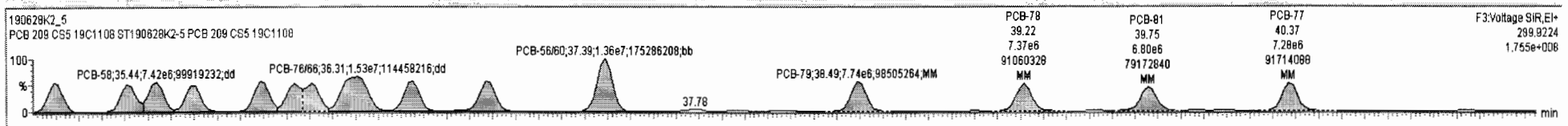


13C-PCB-60



| # | Name | Resp | RA | nly | RRF | wtVol | Pred.RT | RT | Pred.R... | RRT | RRT Fat | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|-------|-----------|-----|---------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.000 | | | NO | 3246 | | 0.0518 | 3246 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.000 | | | NO | 13080 | | 33.3 | 13080 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.000 | | | NO | 8463 | | 0.123 | 8463 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.000 | | | NO | 17720 | | 1.06 | 17720 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | 0.000 | | | NO | 45340 | | 1.51 | 45340 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.000 | | | NO | 44100 | | 0.595 | 44100 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.000 | | | NO | 5423 | | 0.369 | 5423 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.000 | | | NO | 15290 | | 0.287 | 15290 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | 0.000 | | | NO | 30690 | | 2.46 | 30690 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | 0.000 | | | NO | 25420 | | 4.36 | 25420 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | 0.000 | | | NO | 9938 | | 0.572 | 9938 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | 0.000 | | | NO | 3276 | | 0.241 | 3276 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | 0.000 | | | NO | 3250 | | 0.351 | 3250 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | nly | EMPC | Conc. |
|---|--------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 32 PCB-54 | 28.27 | 28.27 | 7.392e6 | 1.004e7 | 0.770 | 0.74 | NO | 1094.4 | 1094.4 |
| 2 | 33 PCB-50 | 29.49 | 29.48 | 5.959e6 | 8.141e6 | 0.770 | 0.73 | NO | 1117.9 | 1117.9 |
| 3 | 34 PCB-53 | 30.16 | 30.15 | 5.527e6 | 7.549e6 | 0.770 | 0.73 | NO | 1096.4 | 1096.4 |
| 4 | 35 PCB-51 | 30.52 | 30.51 | 5.862e6 | 8.007e6 | 0.770 | 0.73 | NO | 1085.1 | 1085.1 |
| 5 | 36 PCB-45 | 30.96 | 30.95 | 4.549e6 | 6.211e6 | 0.770 | 0.73 | NO | 1066.5 | 1066.5 |
| 6 | 37 PCB-46 | 31.45 | 31.47 | 4.337e6 | 5.907e6 | 0.770 | 0.73 | NO | 1088.6 | 1088.6 |
| 7 | 38 PCB-52/69 | 31.96 | 31.96 | 1.273e7 | 1.745e7 | 0.770 | 0.73 | NO | 2213.5 | 2213.5 |



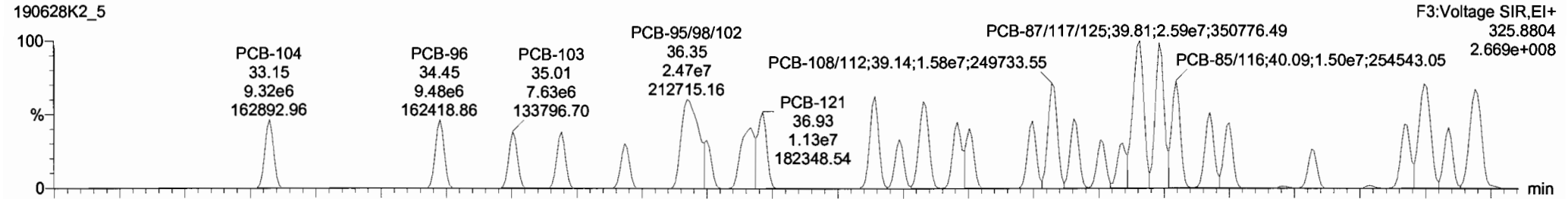
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

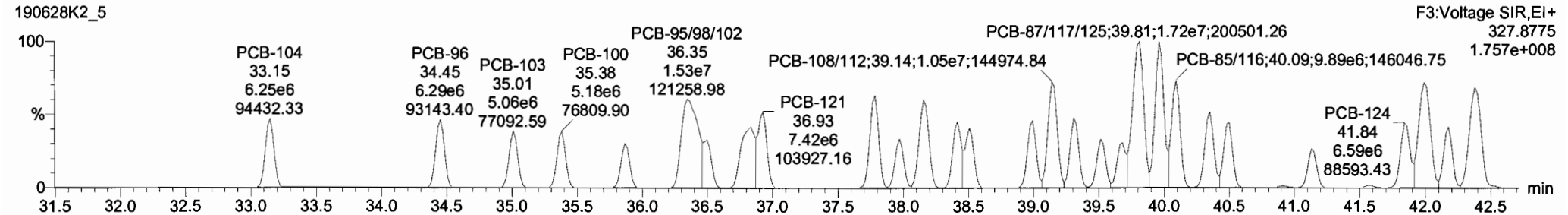
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-104

190628K2_5

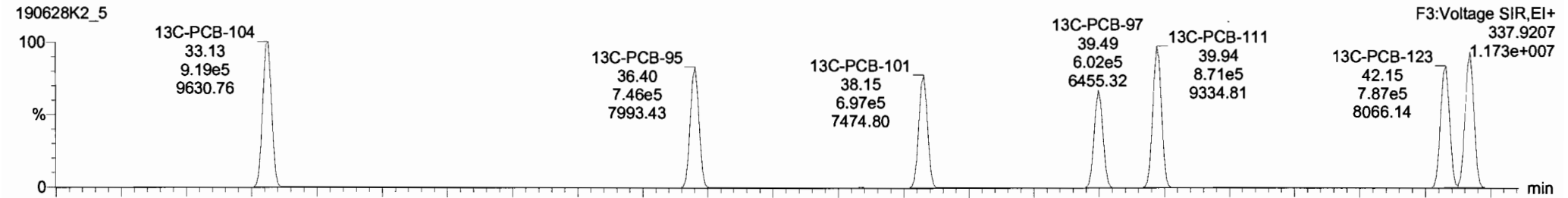


190628K2_5

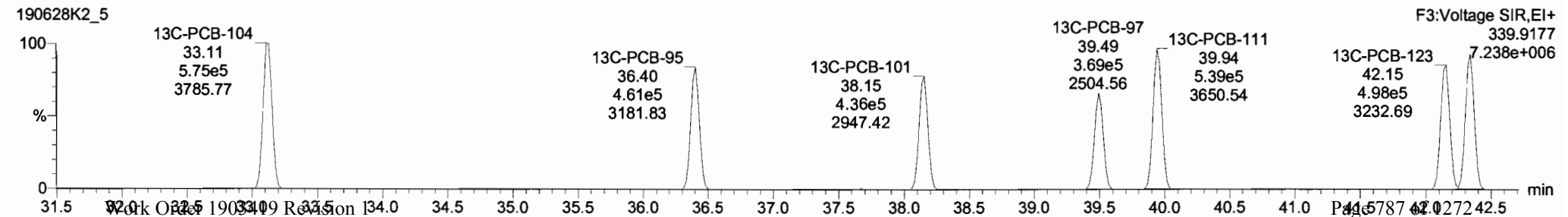


13C-PCB-104

190628K2_5



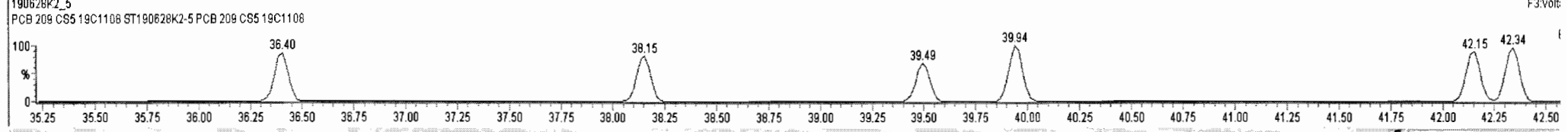
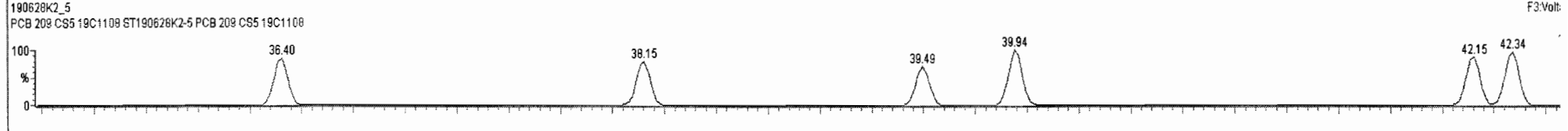
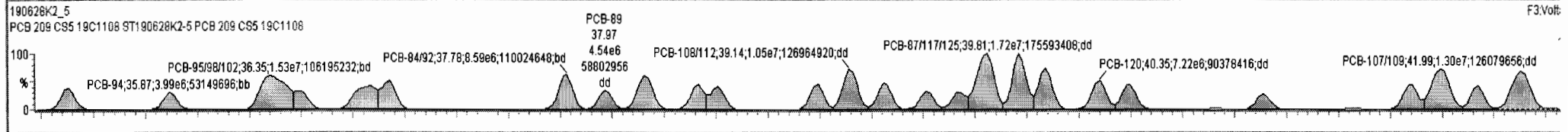
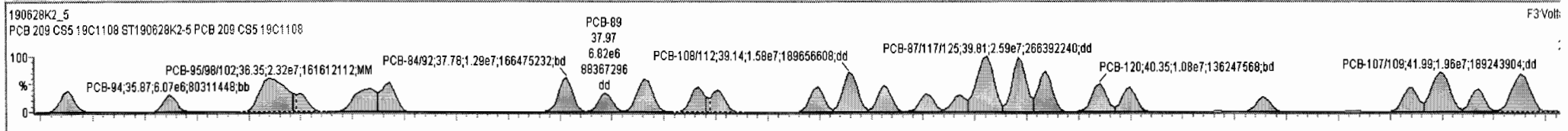
190628K2_5



190628K2_5 - ST190628K2-5 PCB 209 CS5 19C1108 - PCB 209 CS5 19C1108

| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|----|--------|-----|----------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 3246 | | 0.0518 | 3246 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 13080 | | 33.3 | 13080 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 8463 | | 0.123 | 8463 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 17720 | | 1.06 | 17720 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9981 | 1.000 | 0.00 | | 0.000 | | NO | 45340 | | 1.51 | 45340 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 44100 | | 0.595 | 44100 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 5423 | | 0.389 | 5423 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 15290 | | 0.287 | 15290 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 30690 | | 2.46 | 30690 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 25420 | | 4.36 | 25420 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 9938 | | 0.572 | 9938 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 3276 | | 0.241 | 3276 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 3250 | | 0.351 | 3250 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|------------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 64 PCB-104 | 33.15 | 33.15 | 9.324e6 | 6.249e6 | 1.560 | 1.49 | NO | 1048.0 | 1048.0 |
| 2 | 65 PCB-96 | 34.47 | 34.45 | 9.481e6 | 6.289e6 | 1.560 | 1.51 | NO | 1060.0 | 1060.0 |
| 3 | 66 PCB-103 | 35.03 | 35.01 | 7.633e6 | 5.060e6 | 1.560 | 1.51 | NO | 1097.2 | 1097.2 |
| 4 | 67 PCB-100 | 35.40 | 35.38 | 7.774e6 | 5.181e6 | 1.560 | 1.50 | NO | 1115.1 | 1115.1 |
| 5 | 68 PCB-94 | 35.89 | 35.87 | 6.072e6 | 3.993e6 | 1.560 | 1.52 | NO | 1078.1 | 1078.1 |
| 6 | 69 PCB-95/98/102 | 36.38 | 36.35 | 2.316e7 | 1.533e7 | 1.560 | 1.51 | NO | 3142.1 | 3142.1 |
| 7 | 70 PCB-93 | 36.51 | 36.50 | 6.642e6 | 4.339e6 | 1.560 | 1.53 | NO | 1081.7 | 1081.7 |



Vista Analytical Laboratory VG-11

Dataset: Untitled

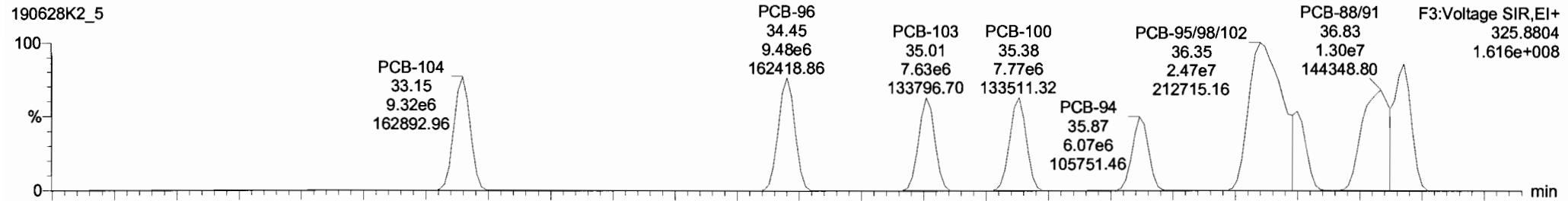
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

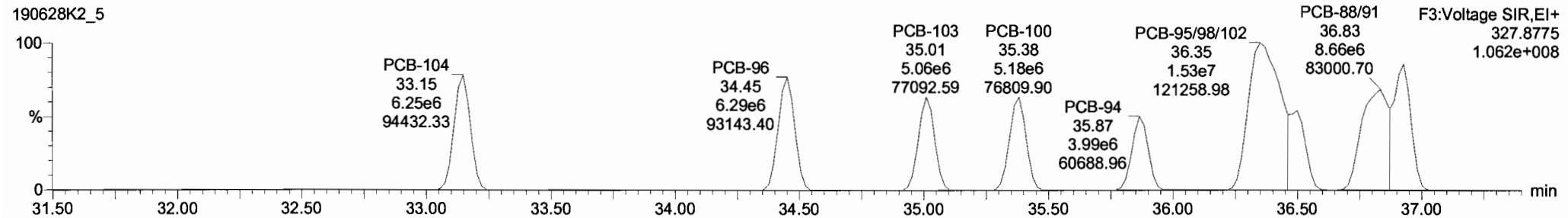
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-96

190628K2_5

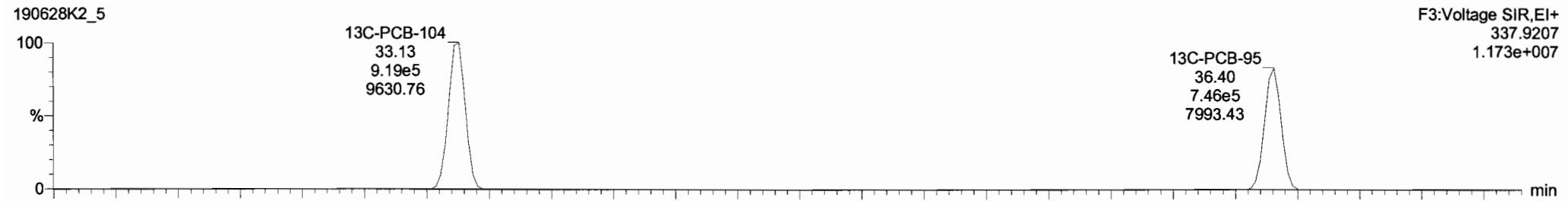


190628K2_5

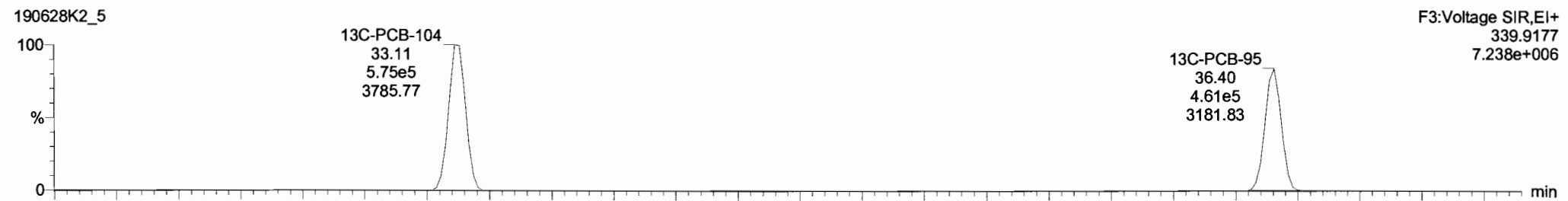


13C-PCB-95

190628K2_5



190628K2_5

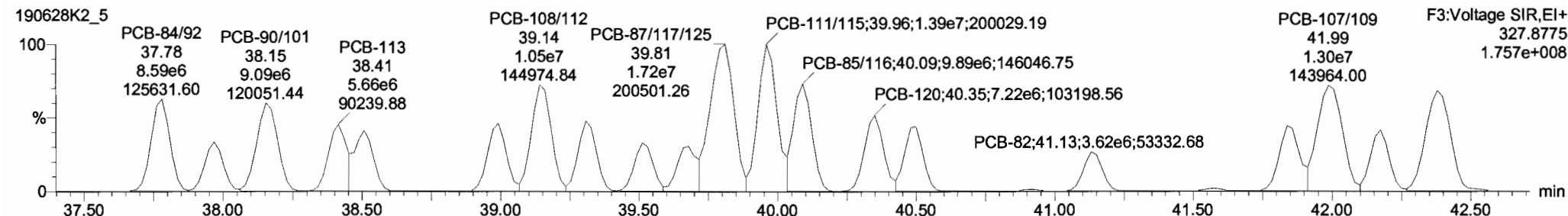
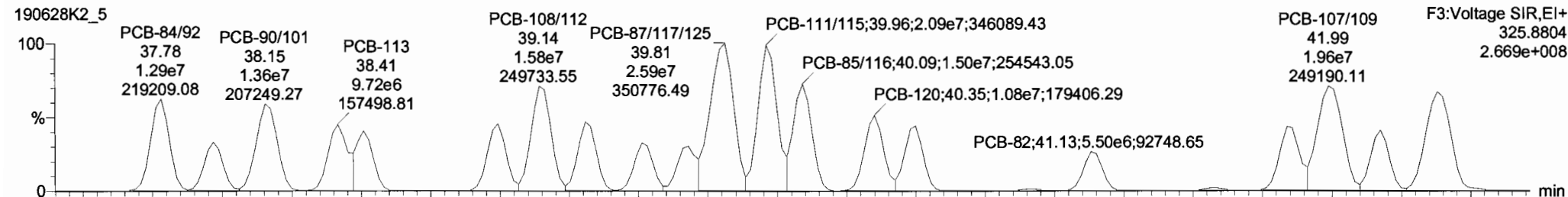


Dataset: Untitled

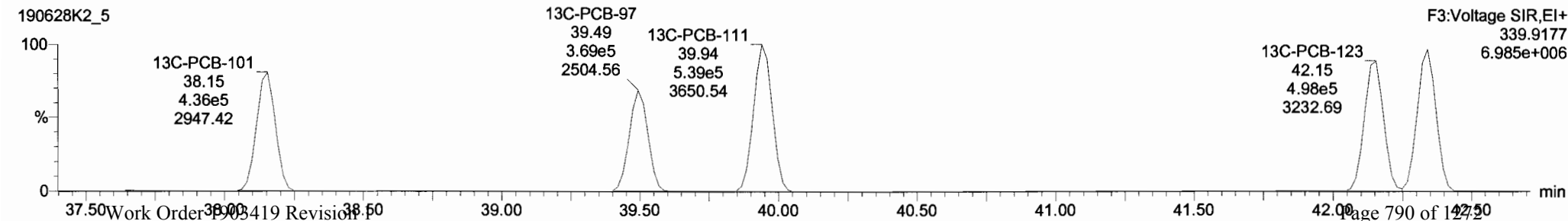
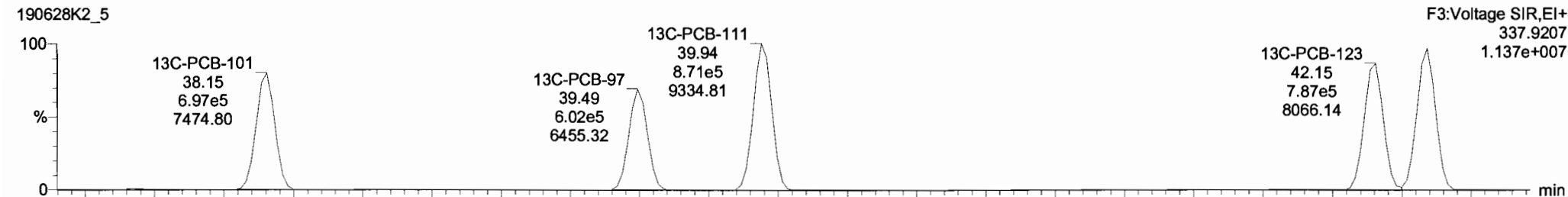
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-119



13C-PCB-111



Dataset: Untitled

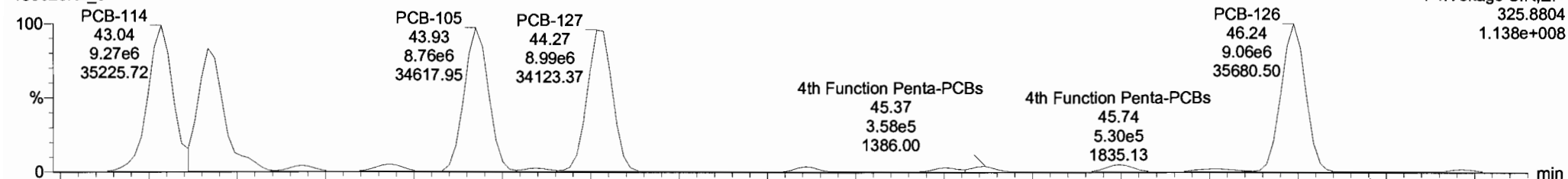
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

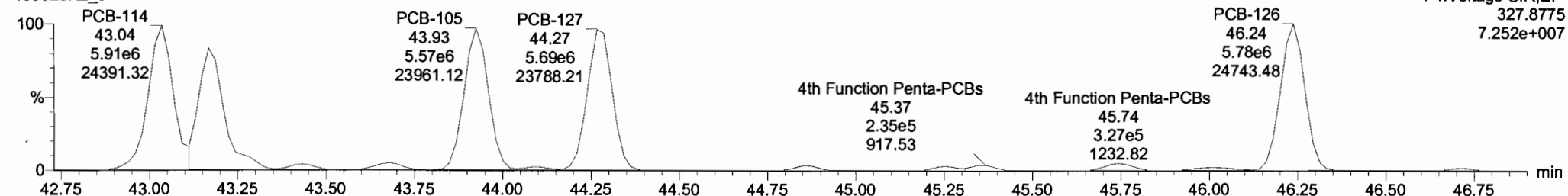
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-114

190628K2_5

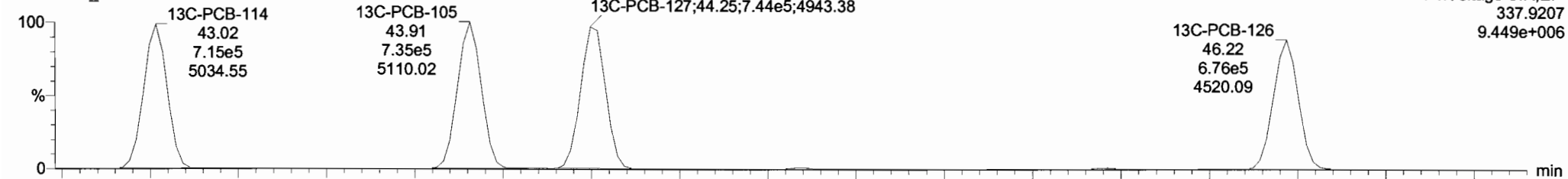


190628K2_5

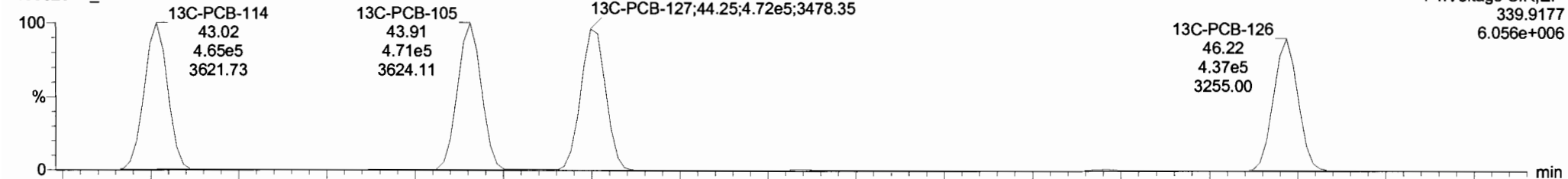


13C-PCB-114

190628K2_5



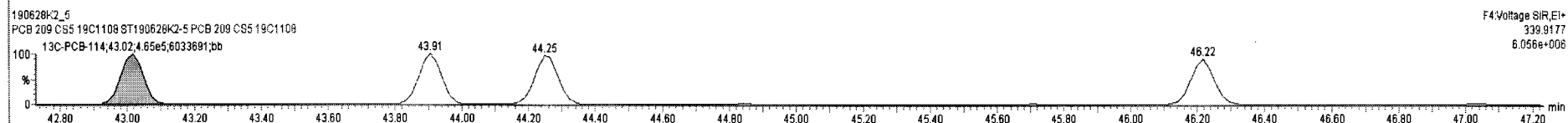
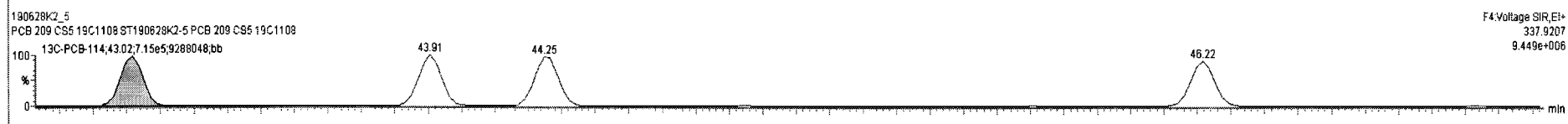
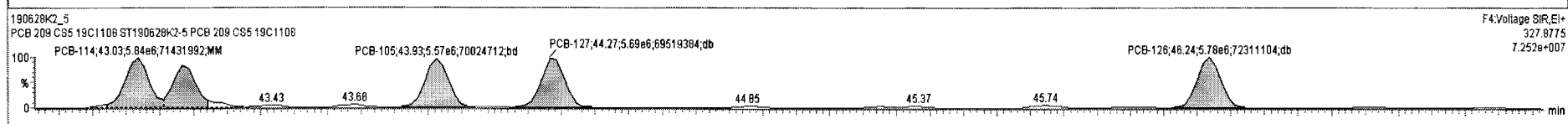
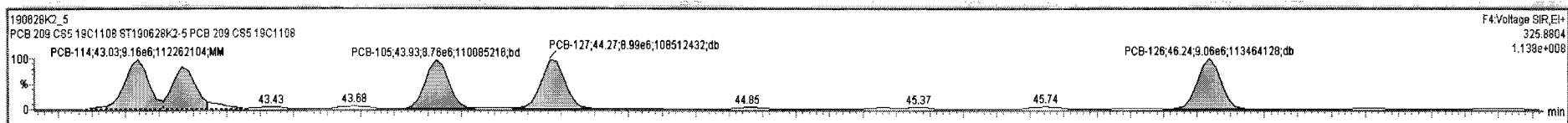
190628K2_5



190628K2_5 - ST190628K2-5 PCB 209 C 35 19C1108 - PCB 209 C55 19C1108

| # | Name | Resp | RA | n/y | RRF | w/wol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|----|--------|-----|----------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 3246 | | 0.0518 | 3246 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 13080 | | 33.3 | 13080 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 8463 | | 0.123 | 8463 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0583 | 1.000 | 0.00 | | 0.000 | | NO | 17720 | | 1.05 | 17720 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 45340 | | 1.51 | 45340 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 44100 | | 0.595 | 44100 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 5423 | | 0.369 | 5423 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 15290 | | 0.287 | 15290 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 30690 | | 2.46 | 30690 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 25420 | | 4.36 | 25420 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 9938 | | 0.572 | 9938 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 3276 | | 0.241 | 3276 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 3250 | | 0.351 | 3250 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1% Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 93 PCB-114 | 43.04 | 43.03 | 9.158e6 | 5.840e6 | 1.560 | 1.57 | NO | 1094.2 | 1094.2 |
| 2 | 94 PCB-122 | 43.17 | 43.17 | 7.429e6 | 4.724e6 | 1.560 | 1.57 | NO | 1059.1 | 1059.1 |
| 3 | 95 PCB-105 | 43.92 | 43.93 | 8.763e6 | 5.570e6 | 1.550 | 1.57 | NO | 1079.4 | 1079.4 |
| 4 | 96 PCB-127 | 44.27 | 44.27 | 8.988e6 | 5.693e6 | 1.560 | 1.58 | NO | 1089.8 | 1089.8 |
| 5 | 97 PCB-126 | 46.24 | 46.24 | 9.058e6 | 5.784e6 | 1.560 | 1.57 | NO | 1100.0 | 1100.0 |



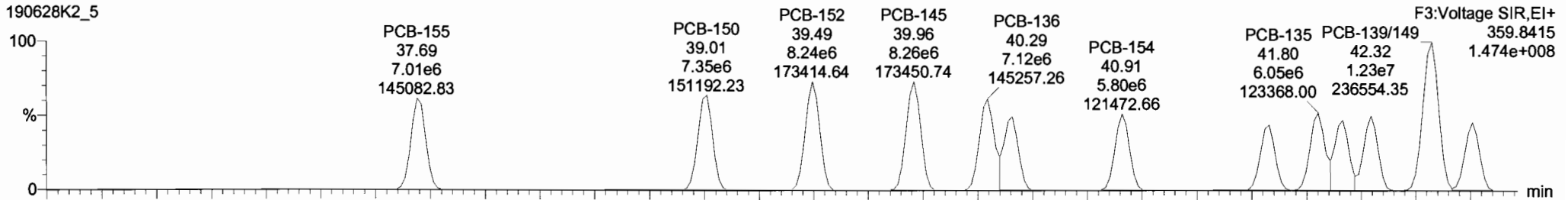
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

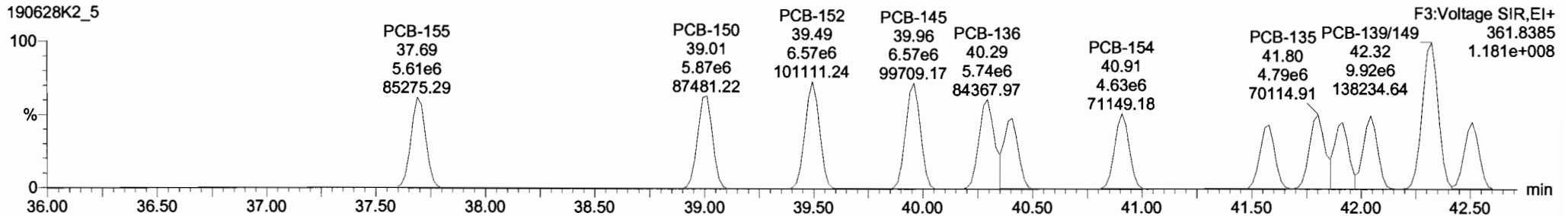
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-155

190628K2_5

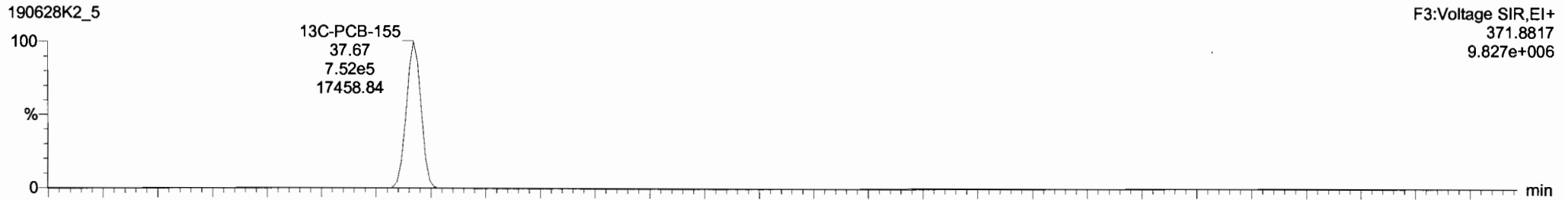


190628K2_5

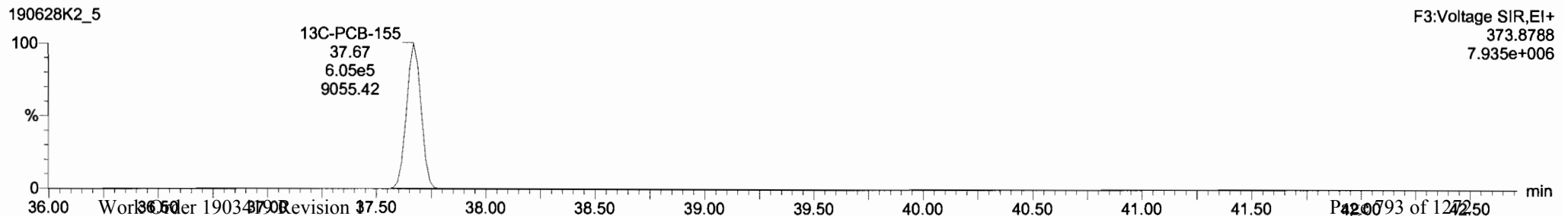


13C-PCB-155

190628K2_5



190628K2_5

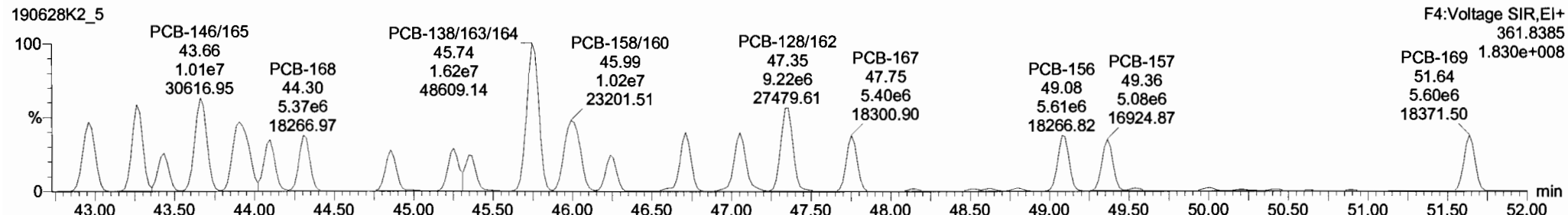
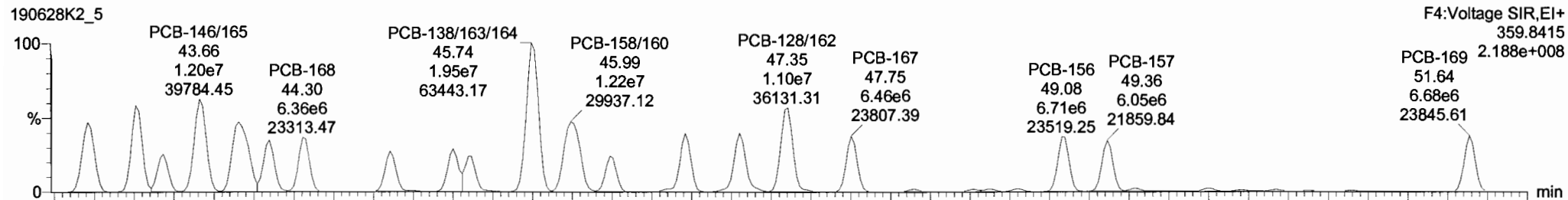


Dataset: Untitled

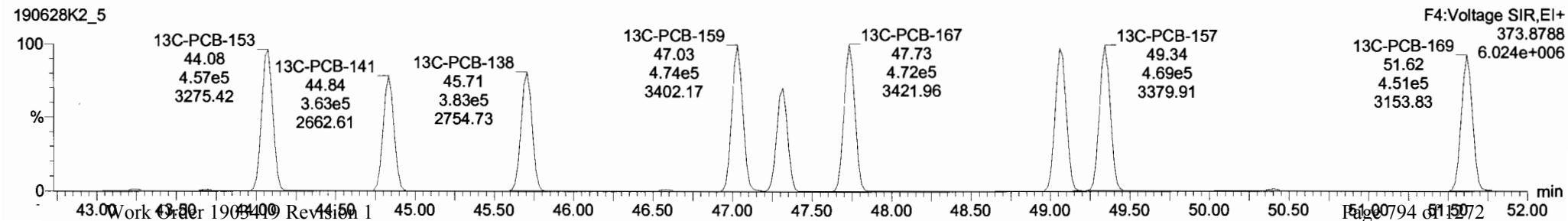
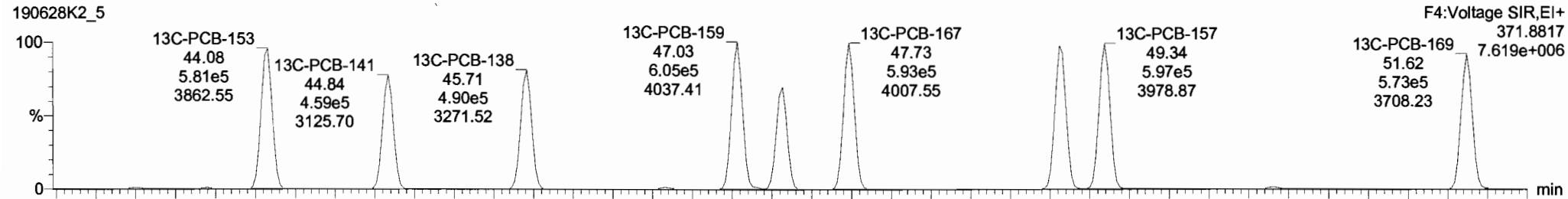
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-134/143

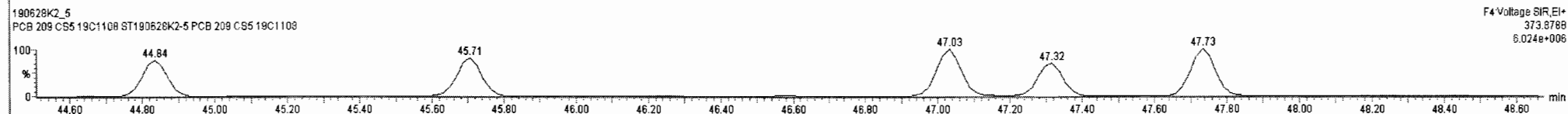
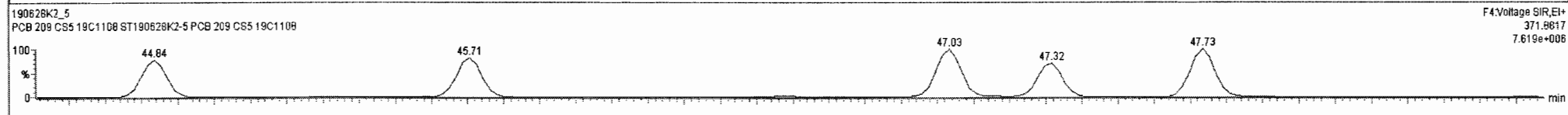
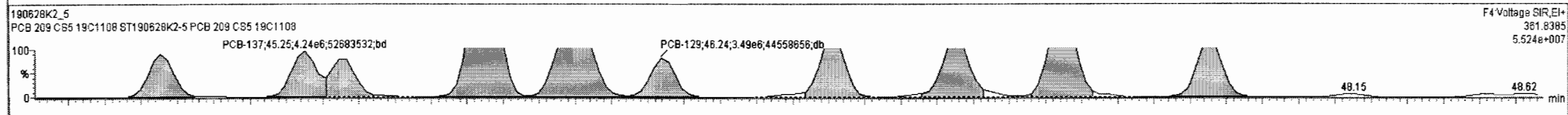
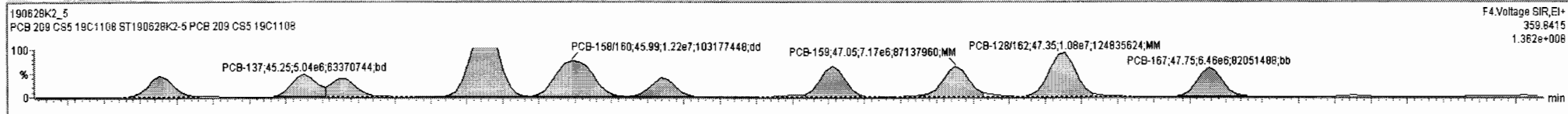


13C-PCB-153



| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|--------|---------|----|--------|-----|----------|-------|--------|-------|------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 3246 | 0.0518 | 3246 | |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 13080 | 33.3 | 13080 | |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 8463 | 0.123 | 8463 | |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 17720 | 1.06 | 17720 | |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 45340 | 1.51 | 45340 | |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 44100 | 0.595 | 44100 | |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 5423 | 0.369 | 5423 | |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 15290 | 0.267 | 15290 | |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9219 | 1.000 | 0.00 | | 0.000 | | NO | 30690 | 2.46 | 30690 | |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 25420 | 4.36 | 25420 | |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 9938 | 0.572 | 9938 | |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 3276 | 0.241 | 3276 | |
| 236 | 236 Total Nona-PCBs | | | | 0.9448 | 1.000 | 0.00 | | 0.000 | | NO | 3250 | 0.351 | 3250 | |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1° Ratio (Pred) | RA | n/y | EMPC | Conc. |
|---|-----------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 111 PCB-134/143 | 42.96 | 42.96 | 9.239e6 | 7.695e6 | 1.240 | 1.20 | NO | 2223.8 | 2223.8 |
| 2 | 112 PCB-131/133 | 43.26 | 43.26 | 1.004e7 | 8.359e6 | 1.240 | 1.20 | NO | 2242.9 | 2242.9 |
| 3 | 113 PCB-142 | 43.45 | 43.43 | 4.376e6 | 3.658e6 | 1.240 | 1.20 | NO | 1092.7 | 1092.7 |
| 4 | 114 PCB-146/165 | 43.66 | 43.66 | 1.203e7 | 1.006e7 | 1.240 | 1.19 | NO | 2219.8 | 2219.8 |
| 5 | 115 PCB-132/161 | 43.91 | 43.91 | 1.214e7 | 1.010e7 | 1.240 | 1.20 | NO | 2198.9 | 2198.9 |
| 6 | 116 PCB-153 | 44.10 | 44.10 | 6.098e6 | 5.056e6 | 1.240 | 1.21 | NO | 1061.4 | 1061.4 |
| 7 | 117 PCB-158 | 44.30 | 44.31 | 6.364e6 | 5.367e6 | 1.240 | 1.19 | NO | 1108.2 | 1108.2 |

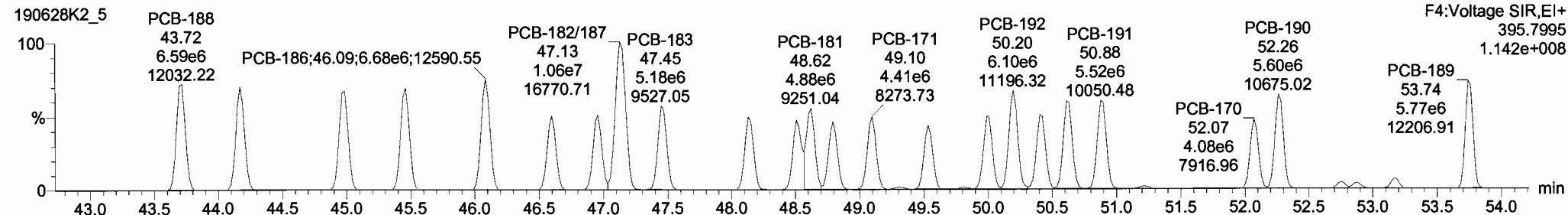
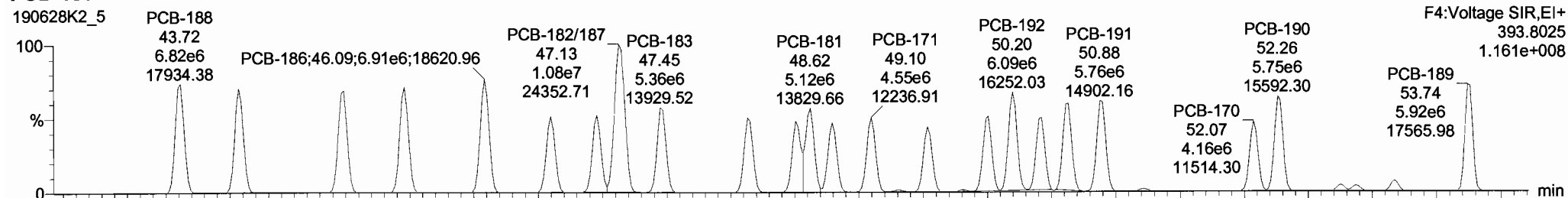


Dataset: Untitled

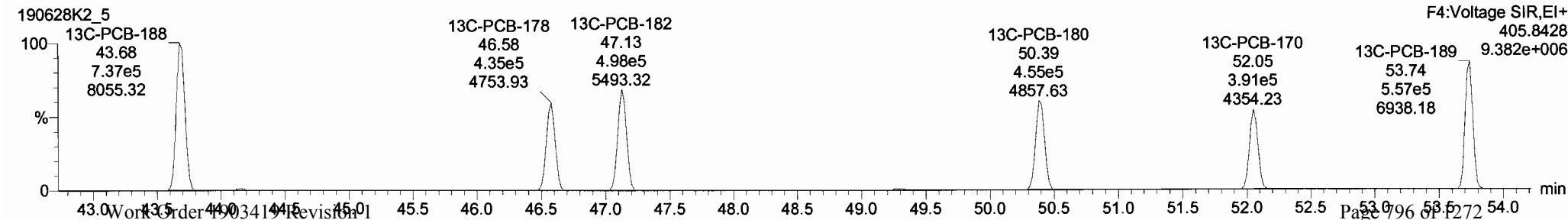
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-188

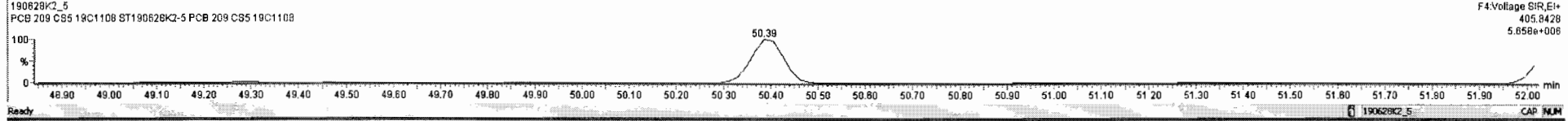
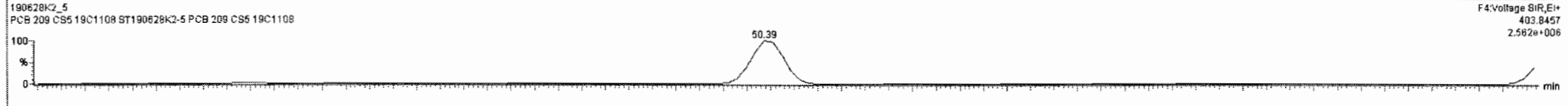
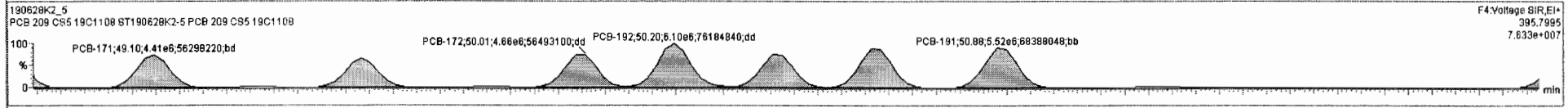
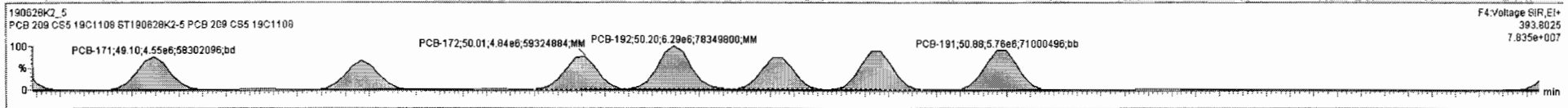


13C-PCB-188



| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.R | RRR | RRR Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|------|----|-----|--------|-------|---------|----|--------|-----|----------|-------|------|--------|-------|
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 3246 | | 0.0518 | 3246 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 13080 | | 33.3 | 13080 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 8463 | | 0.123 | 8463 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0583 | 1.000 | 0.00 | | 0.000 | | NO | 17720 | | 1.06 | 17720 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 45340 | | 1.51 | 45340 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 44100 | | 0.595 | 44100 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 5423 | | 0.369 | 5423 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 15290 | | 0.287 | 15290 |
| 232 | 232 4th Function Hexa-PCBs | | | | 0.9719 | 1.000 | 0.00 | | 0.000 | | NO | 30690 | | 2.46 | 30690 |
| 233 | 233 Total Hepta-PCBs | | | | 1.2636 | 1.000 | 0.00 | | 0.000 | | NO | 25420 | | 4.36 | 25420 |
| 234 | 234 4th Function Octa-PCBs | | | | 0.8863 | 1.000 | 0.00 | | 0.000 | | NO | 9536 | | 0.572 | 9536 |
| 235 | 235 5th Function Octa-PCBs | | | | 1.1967 | 1.000 | 0.00 | | 0.000 | | NO | 3276 | | 0.241 | 3276 |
| 236 | 236 Total Nona-PCBs | | | | 0.9446 | 1.000 | 0.00 | | 0.000 | | NO | 3250 | | 0.351 | 3250 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1% Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|-------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 131 PCB-188 | 43.72 | 43.72 | 6.824e6 | 6.589e6 | 1.050 | 1.04 | NO | 1059.4 | 1059.4 |
| 2 | 132 PCB-184 | 44.17 | 44.17 | 6.391e6 | 6.212e6 | 1.050 | 1.03 | NO | 1017.1 | 1017.1 |
| 3 | 133 PCB-179 | 44.96 | 44.99 | 6.417e6 | 6.196e6 | 1.050 | 1.04 | NO | 1010.6 | 1010.6 |
| 4 | 134 PCB-178 | 45.45 | 45.46 | 6.486e6 | 6.240e6 | 1.050 | 1.04 | NO | 1034.3 | 1034.3 |
| 5 | 135 PCB-186 | 46.07 | 46.08 | 6.909e6 | 6.684e6 | 1.050 | 1.03 | NO | 1051.6 | 1051.6 |
| 6 | 136 PCB-178 | 46.59 | 46.60 | 4.599e6 | 4.431e6 | 1.050 | 1.04 | NO | 1024.7 | 1024.7 |
| 7 | 137 PCB-175 | 46.95 | 46.96 | 4.733e6 | 4.606e6 | 1.050 | 1.03 | NO | 1037.1 | 1037.1 |



Dataset: Untitled

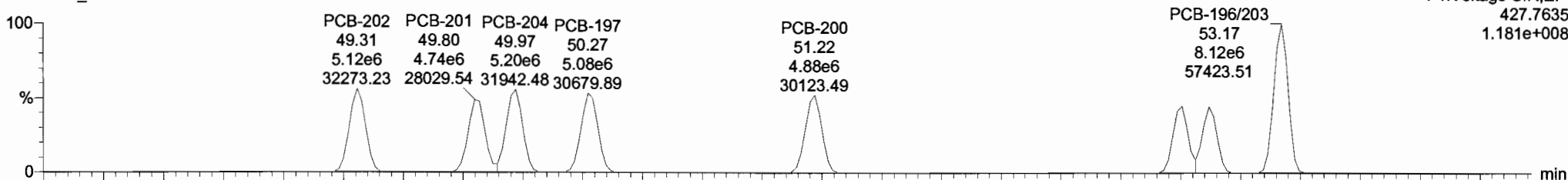
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-202

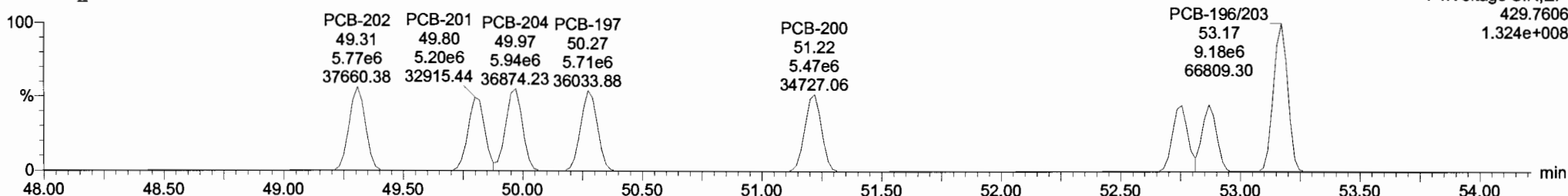
190628K2_5

F4:Voltage SIR,EI+
 427.7635
 1.181e+008



190628K2_5

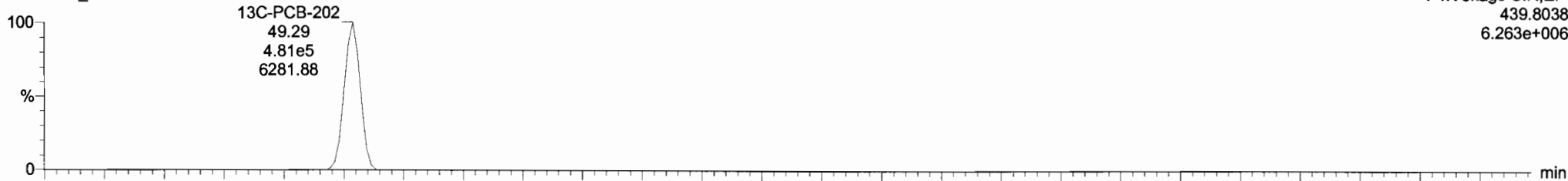
F4:Voltage SIR,EI+
 429.7606
 1.324e+008



13C-PCB-202

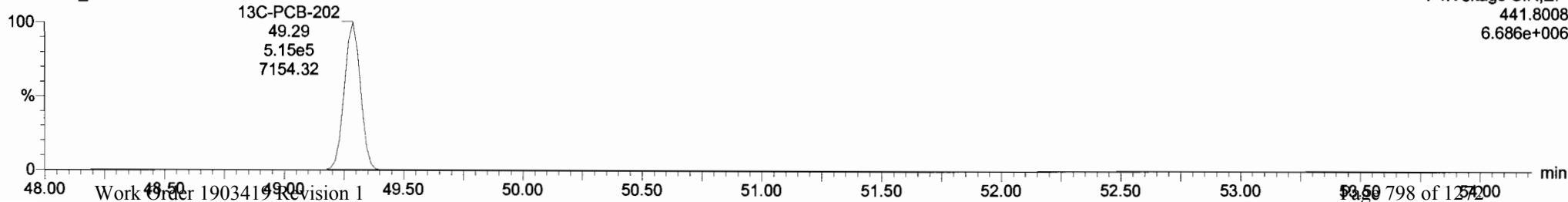
190628K2_5

F4:Voltage SIR,EI+
 439.8038
 6.263e+006



190628K2_5

F4:Voltage SIR,EI+
 441.8008
 6.686e+006

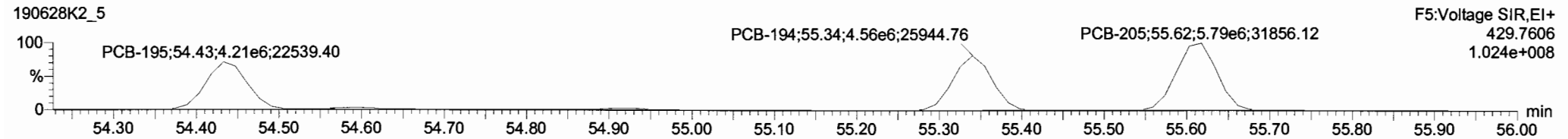
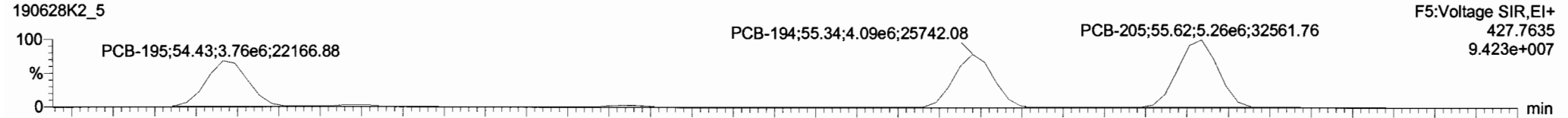


Dataset: Untitled

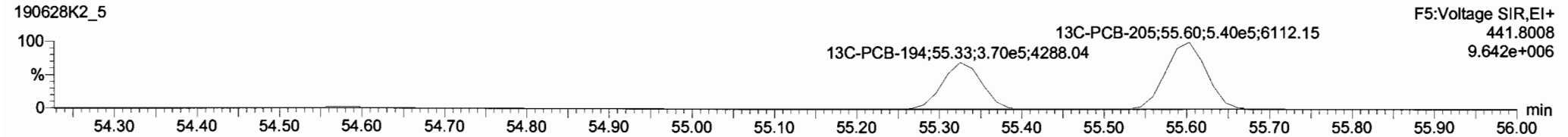
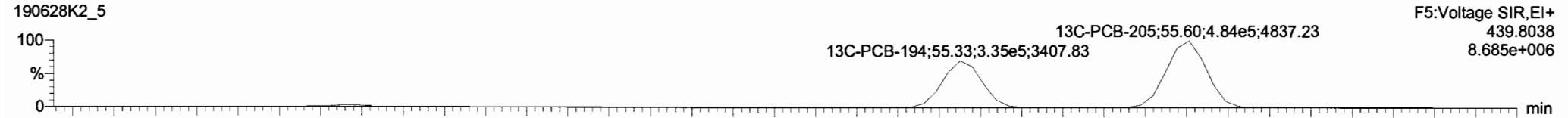
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

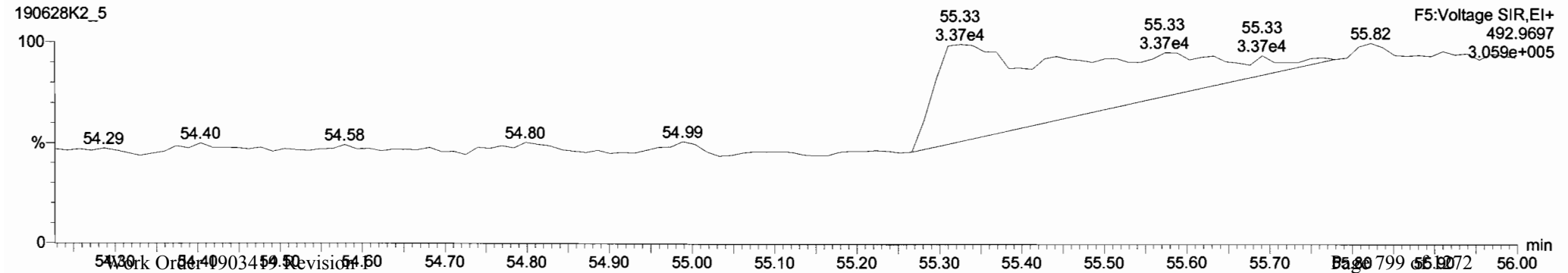
PCB-195



13C-PCB-194



PFK5



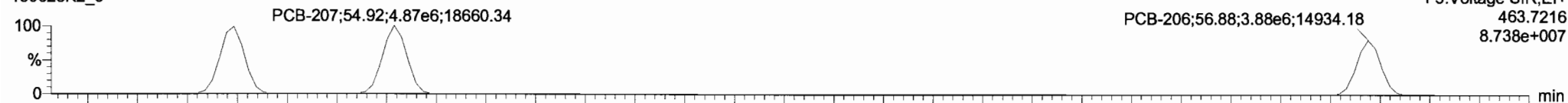
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

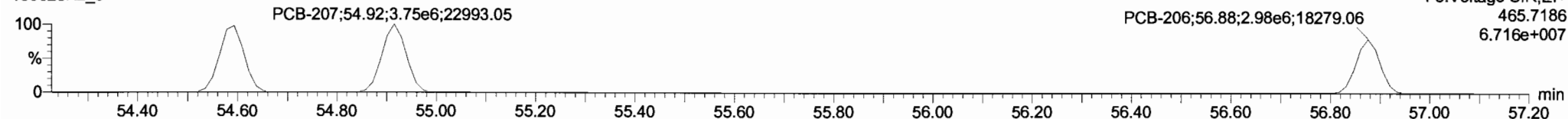
PCB-208

190628K2_5



F5:Voltage SIR,EI+
463.7216
8.738e+007

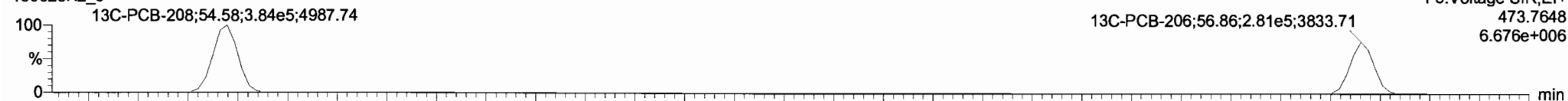
190628K2_5



F5:Voltage SIR,EI+
465.7186
6.716e+007

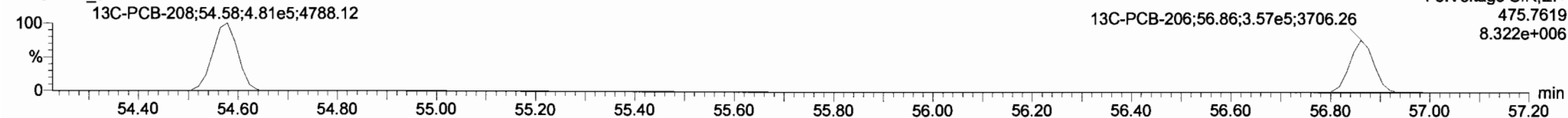
13C-PCB-208

190628K2_5



F5:Voltage SIR,EI+
473.7648
6.676e+006

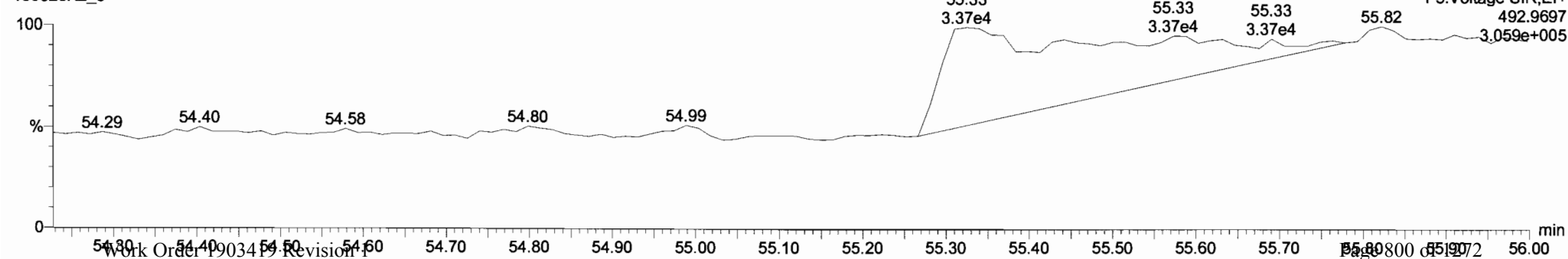
190628K2_5



F5:Voltage SIR,EI+
475.7619
8.322e+006

PFK5

190628K2_5



F5:Voltage SIR,EI+
492.9697
3.059e+005

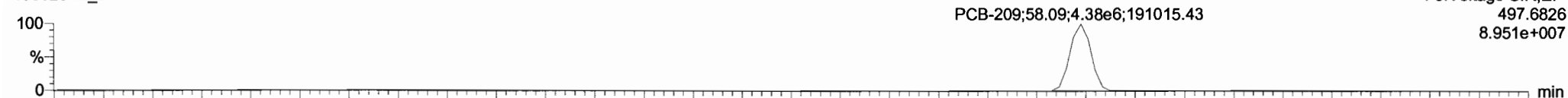
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

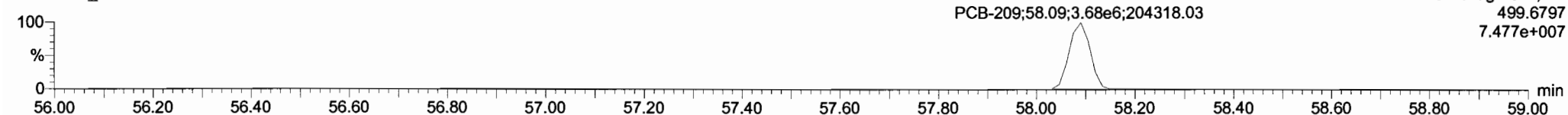
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-209

190628K2_5

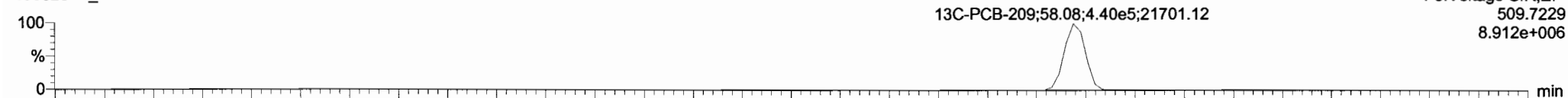


190628K2_5

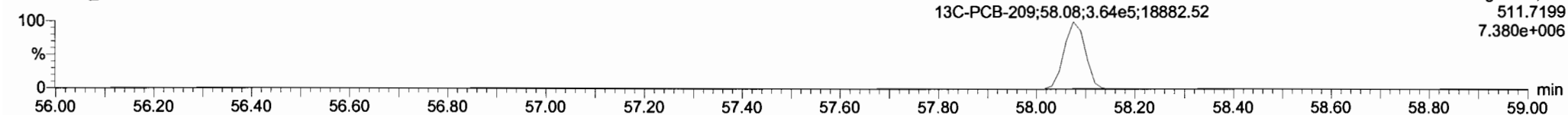


13C-PCB-209

190628K2_5

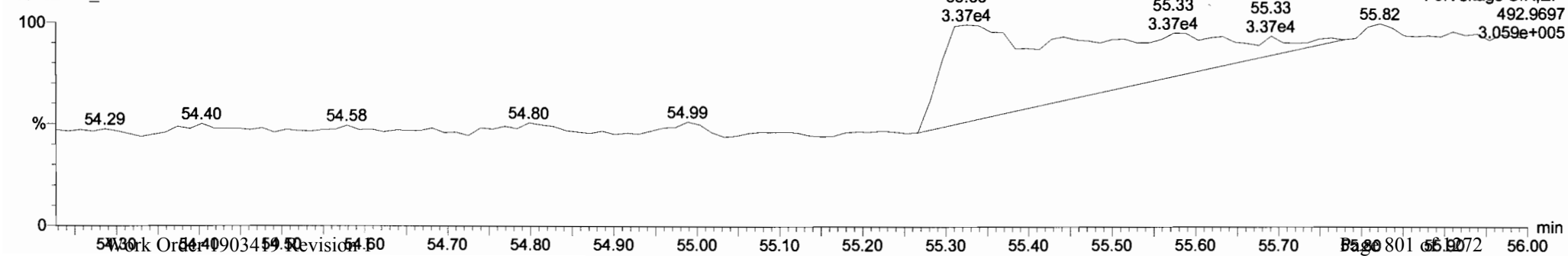


190628K2_5



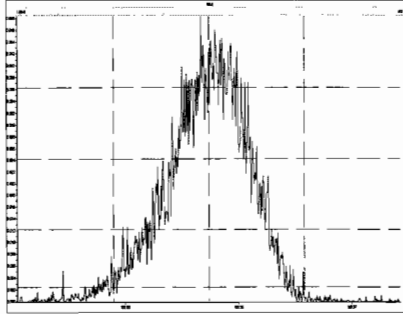
PFK5

190628K2_5

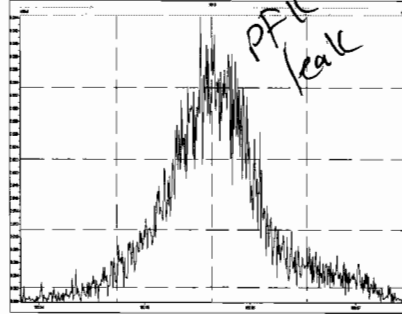


low PFIK

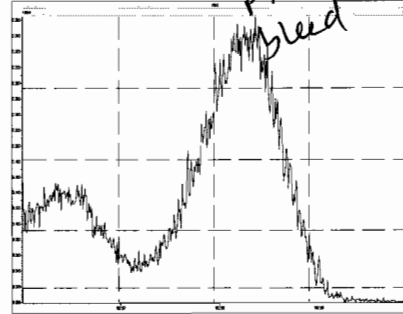
M 168.9888 R 11215



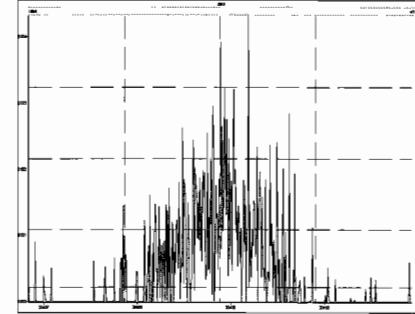
M 180.9888 R 7962



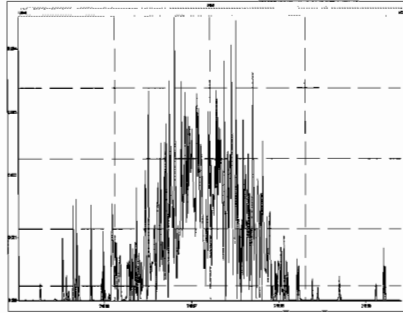
M 192.9888 R 0



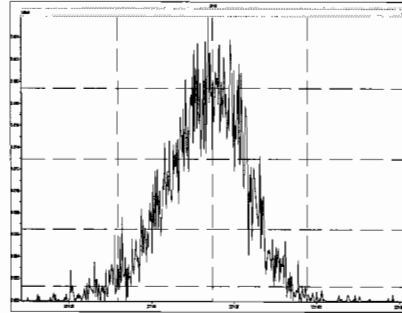
M 204.9888 R 56205



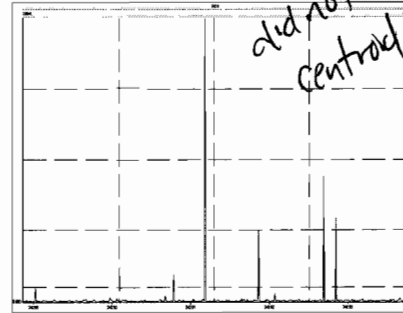
M 218.9856 R 35665



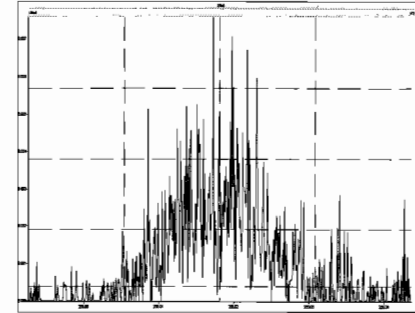
M 230.9856 R 11306



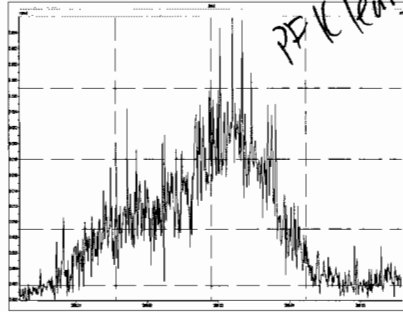
M 242.9856 R 161713



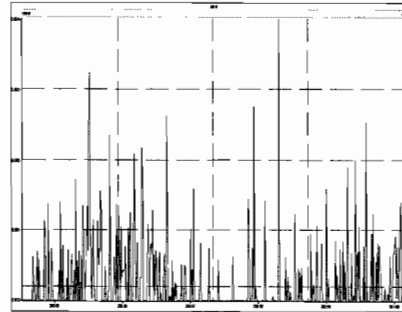
M 254.9856 R 29574



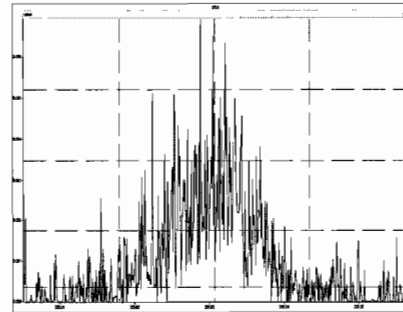
M 268.9824 R 7763



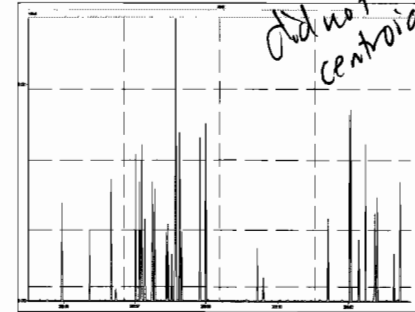
M 280.9824 R 491065



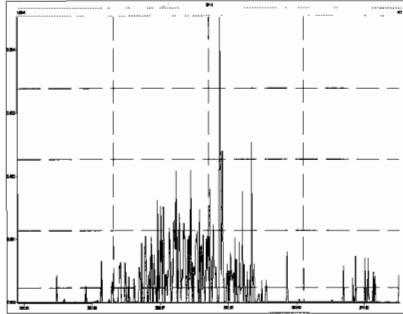
M 254.9856 R 17152



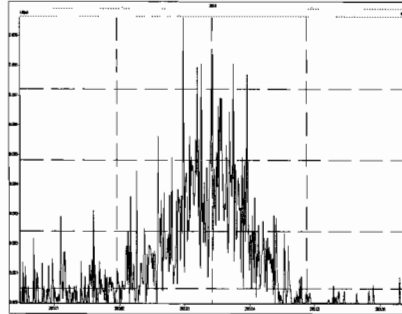
M 268.9824 R 292205



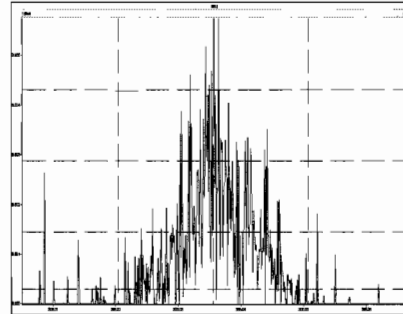
M 280.9824 R 238094



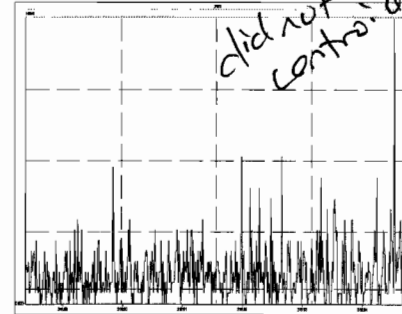
M 292.9824 R 16981



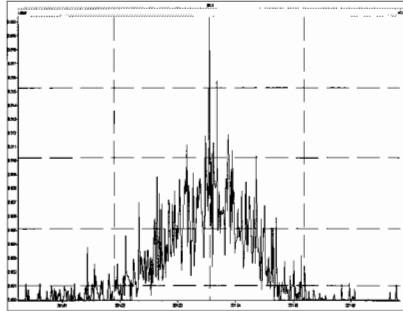
M 304.9824 R 43114



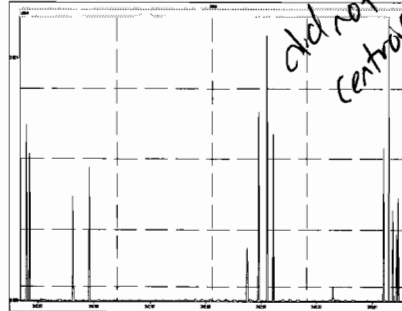
M 318.9792 R 295143



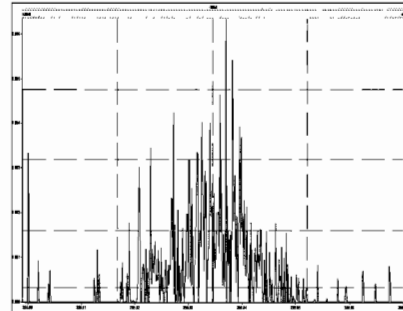
M 330.9792 R 14914



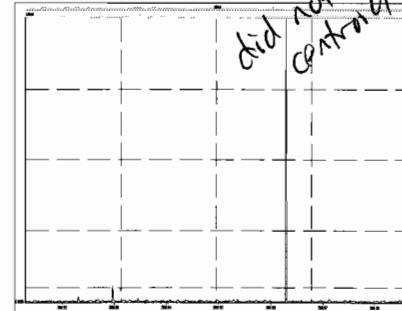
M 342.9792 R 277783



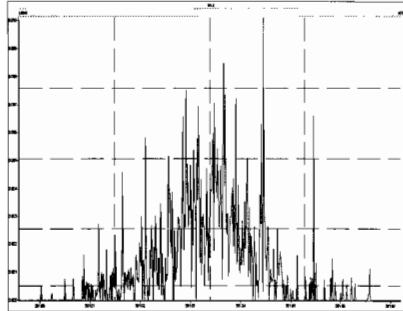
M 354.9792 R 202920



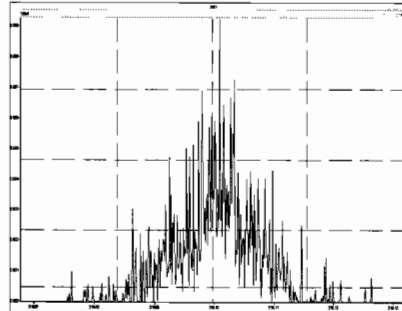
M 366.9792 R 781272



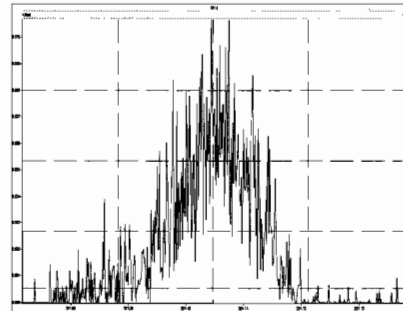
M 380.9760 R 27575



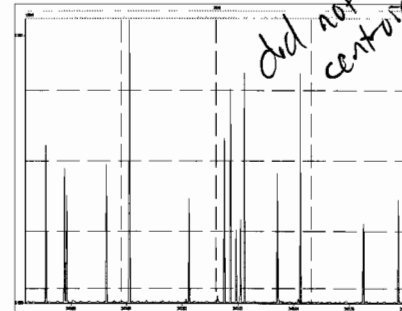
M 318.9792 R 17636



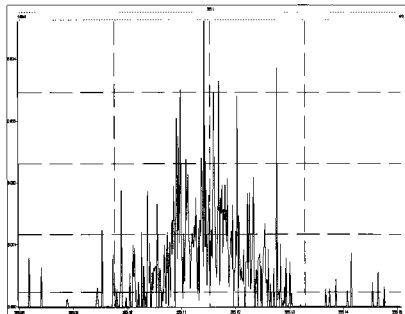
M 330.9792 R 14116



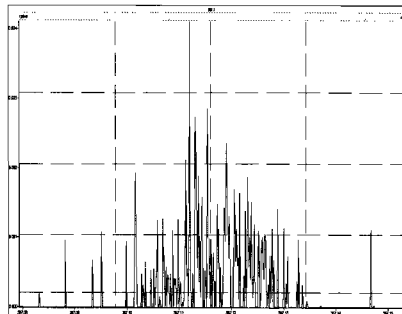
M 342.9792 R 89095



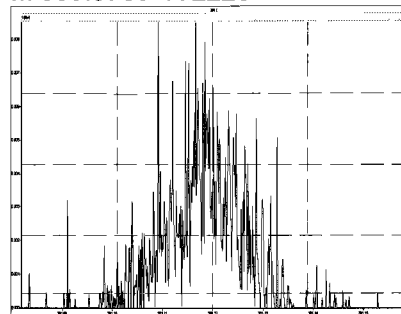
M 354.9792 R 84595



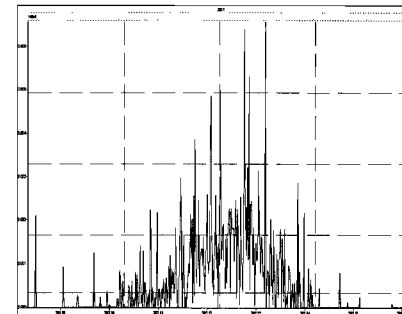
M 366.9792 R 344550



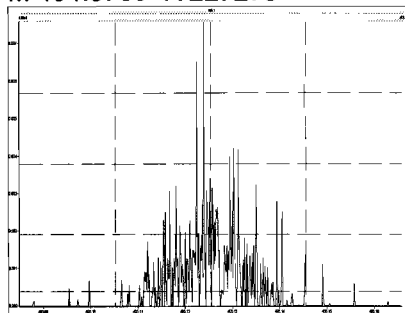
M 380.9760 R 22281



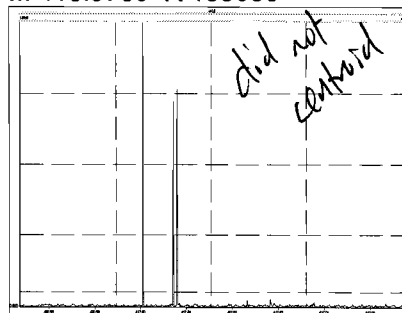
M 392.9760 R 56662



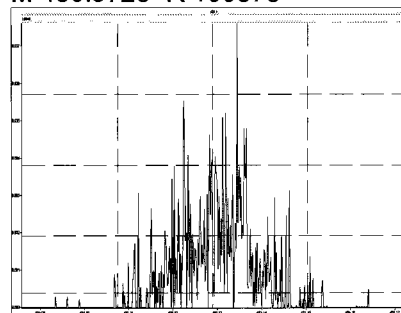
M 404.9760 R 227273



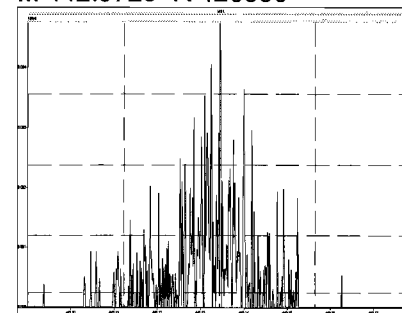
M 416.9760 R 133056



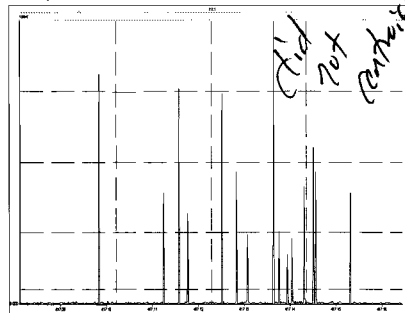
M 430.9728 R 100378



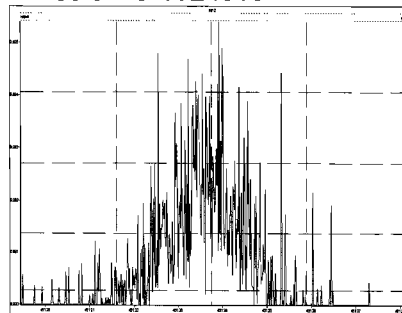
M 442.9728 R 426586



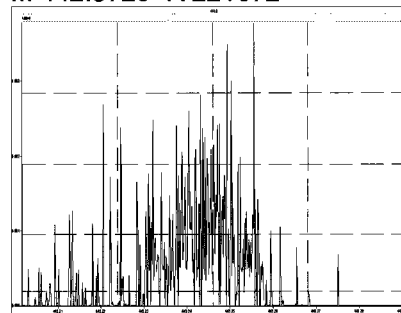
M 416.9760 R 97568



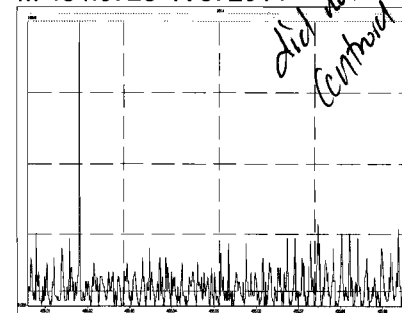
M 430.9728 R 24815



M 442.9728 R 221672

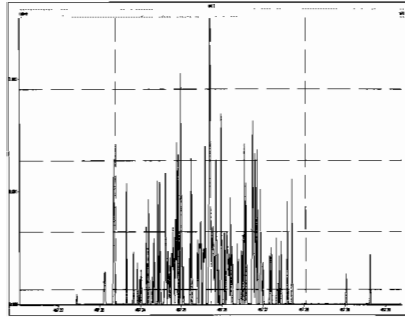


M 454.9728 R 572914

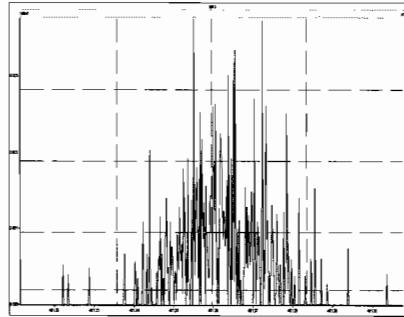


Printed: Saturday, June 29, 2019 09:12:47 Pacific Daylight Time

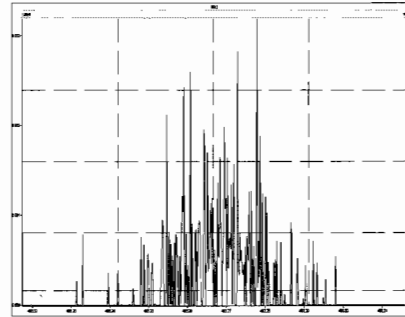
M 466.9728 R 458333



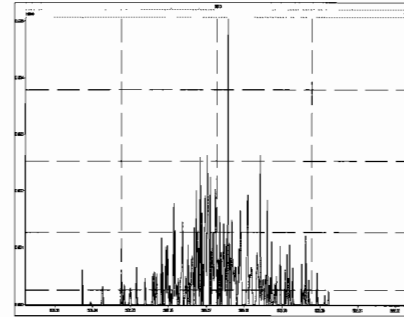
M 480.9696 R 129677



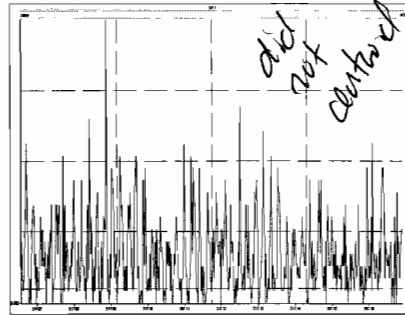
M 492.9696 R 196177



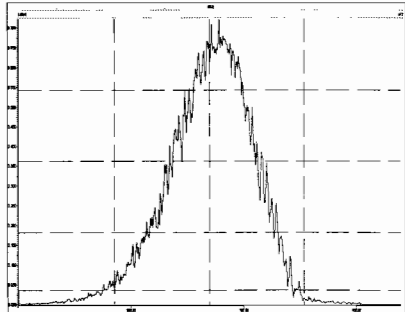
M 504.9696 R 1250001



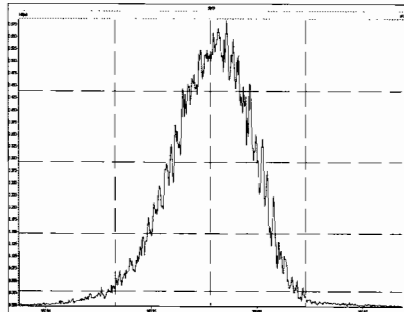
M 516.9697 R 123396



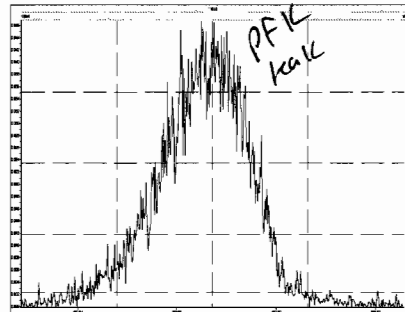
M 168.9888 R 10122



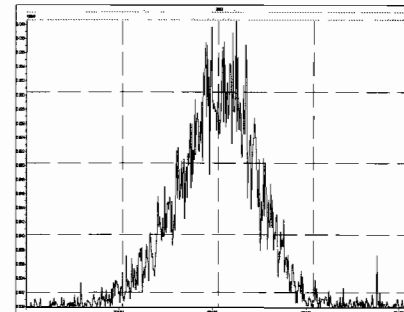
M 180.9888 R 10336



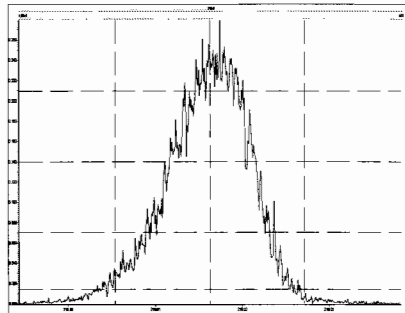
M 192.9888 R 9536



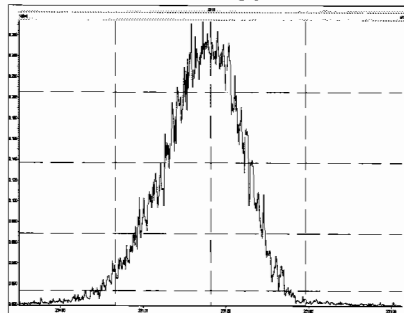
M 204.9888 R 12191



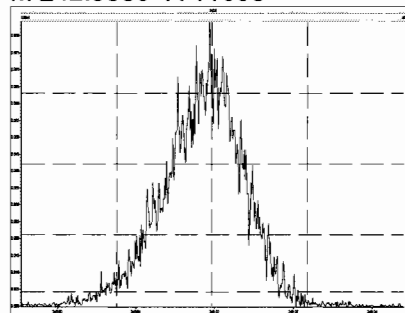
M 218.9856 R 10373



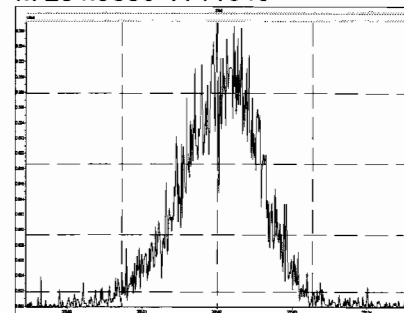
M 230.9856 R 10483



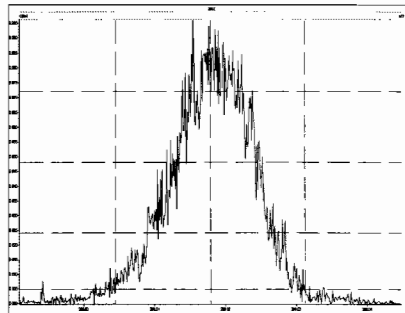
M 242.9856 R 11605



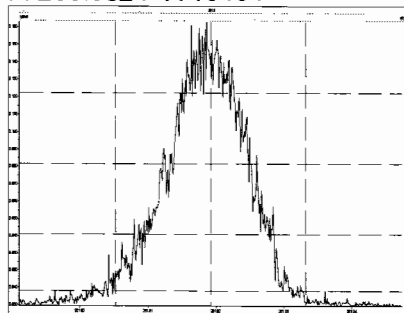
M 254.9856 R 11340



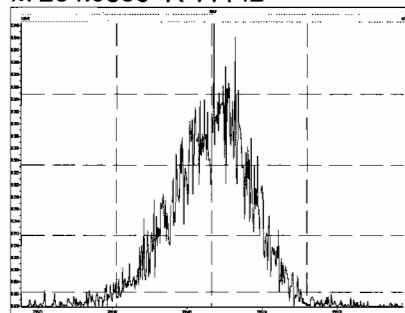
M 268.9824 R 11067



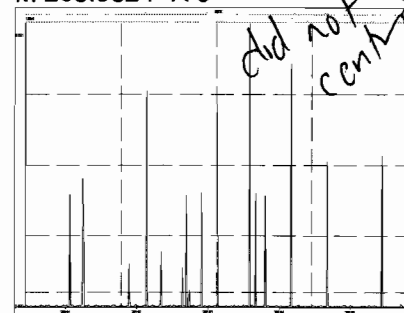
M 280.9824 R 10464



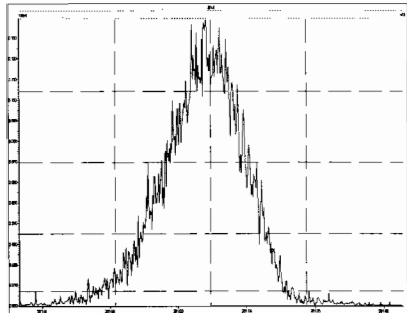
M 254.9856 R 11142



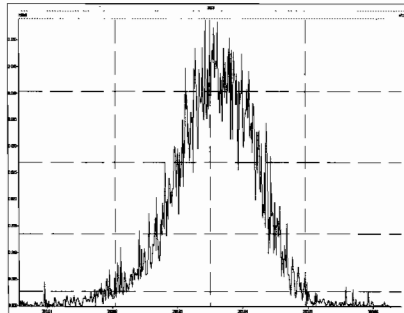
M 268.9824 R 0



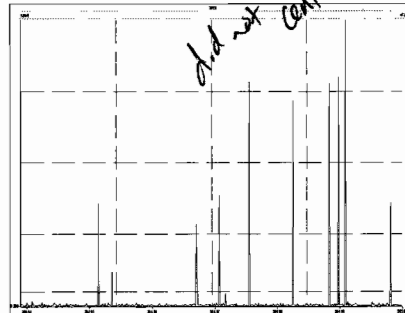
M 280.9824 R 10804



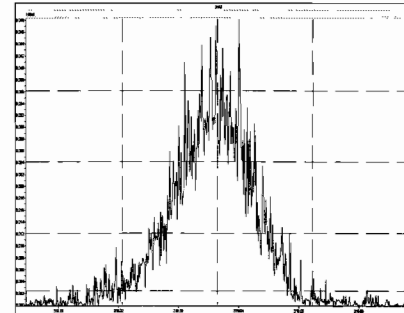
M 292.9824 R 11369



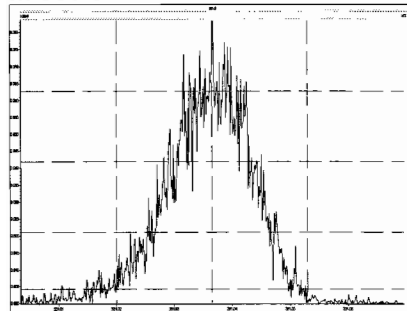
M 304.9824 R 274728



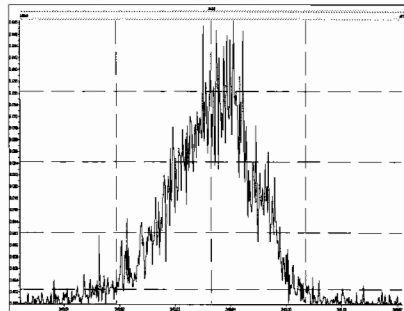
M 318.9792 R 11574



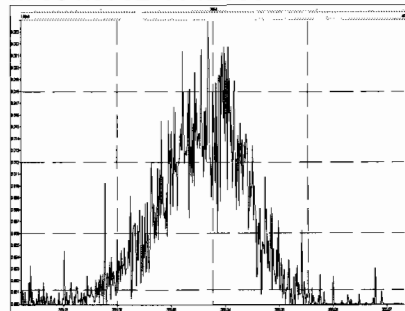
M 330.9792 R 10801



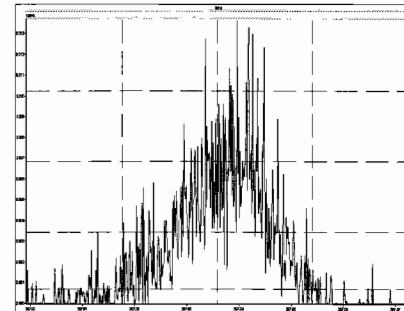
M 342.9792 R 10940



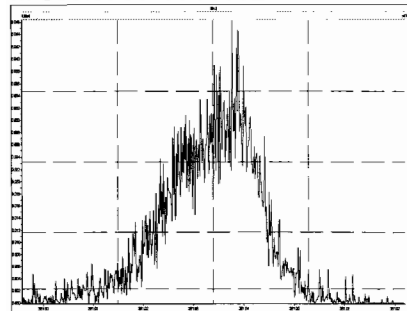
M 354.9792 R 12830



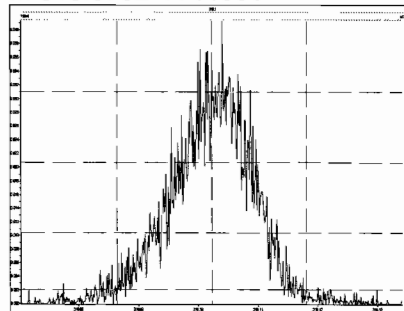
M 366.9792 R 13832



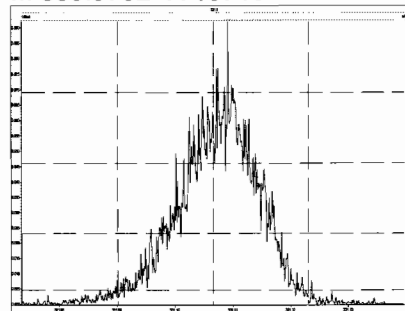
M 380.9760 R 11602



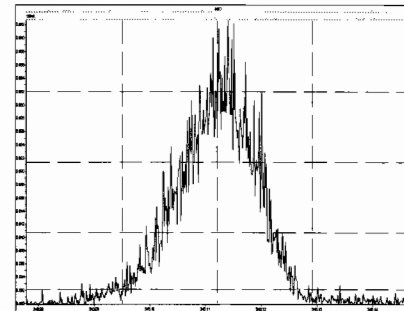
M 318.9792 R 11906



M 330.9792 R 10710

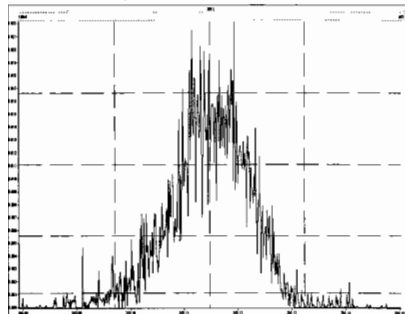


M 342.9792 R 12167

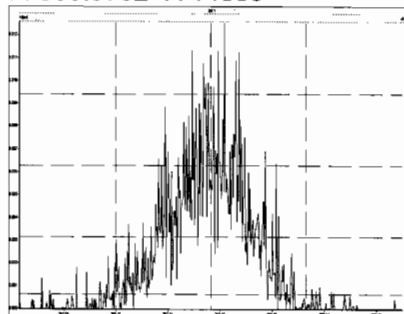


Printed: Saturday, June 29, 2019 10:19:54 Pacific Daylight Time

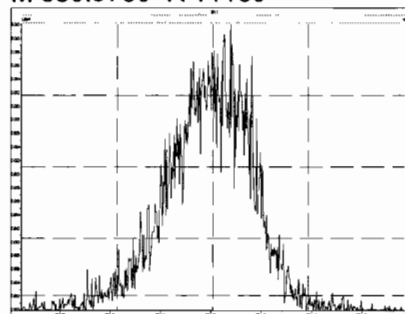
M 354.9792 R 12408



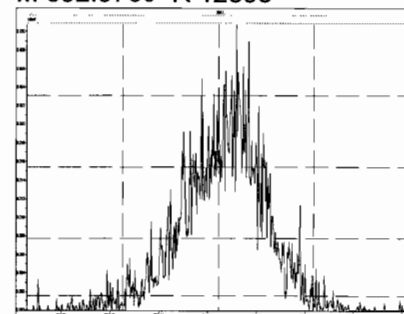
M 366.9792 R 14559



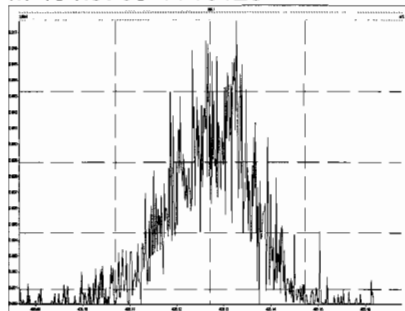
M 380.9760 R 11160



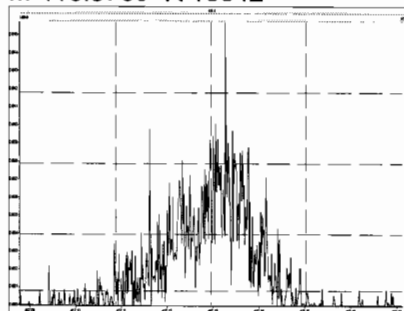
M 392.9760 R 12898



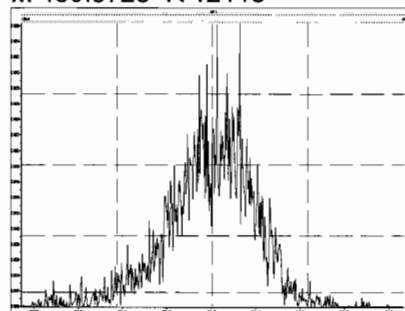
M 404.9760 R 16128



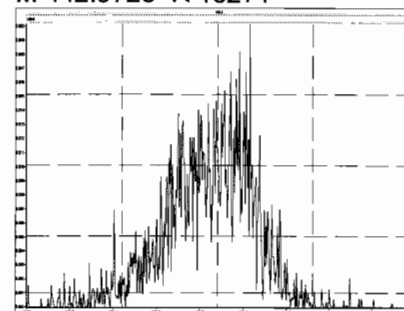
M 416.9760 R 15542



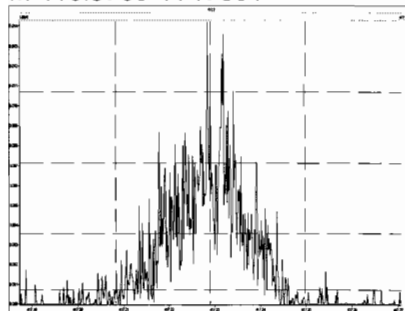
M 430.9728 R 12118



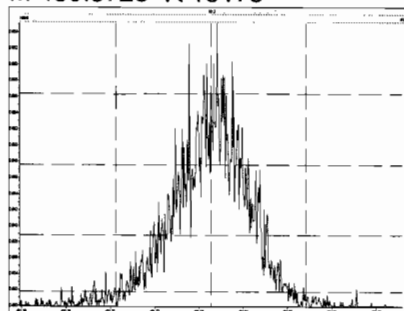
M 442.9728 R 13271



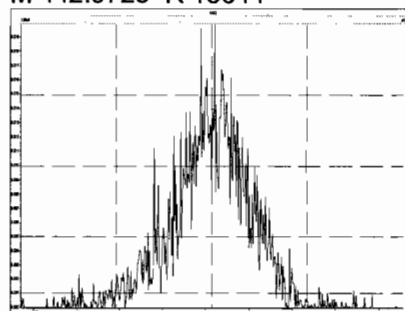
M 416.9760 R 17301



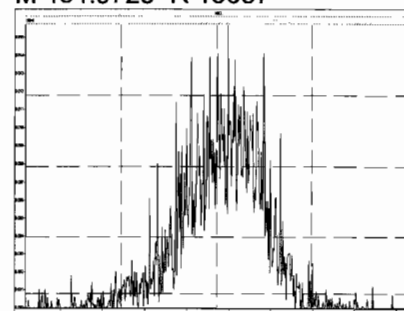
M 430.9728 R 13178



M 442.9728 R 13644

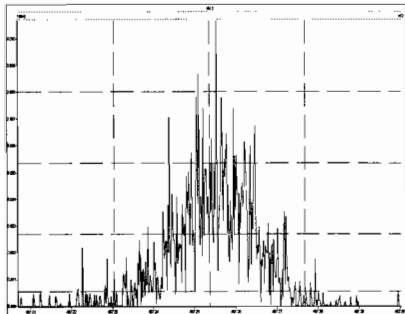


M 454.9728 R 13657

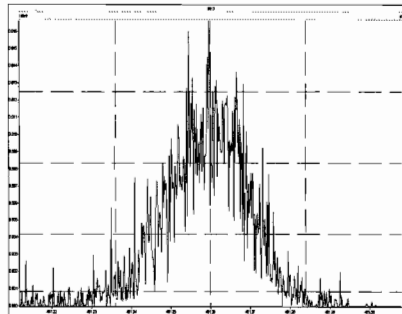


Printed: Saturday, June 29, 2019 10:19:54 Pacific Daylight Time

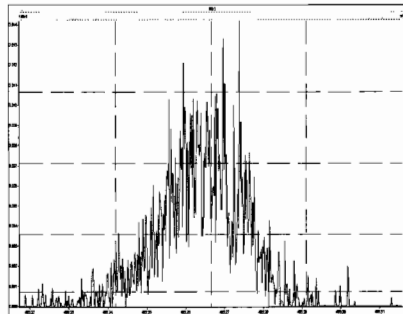
M 466.9728 R 19763



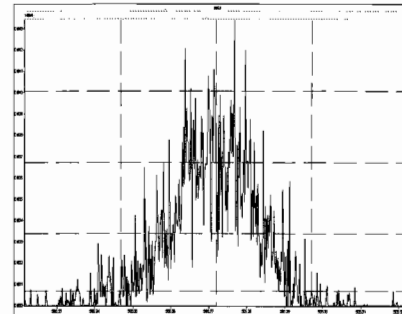
M 480.9696 R 13382



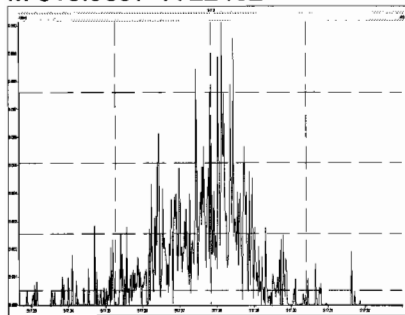
M 492.9696 R 13097



M 504.9696 R 16155



M 516.9697 R 22432



Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

Last Altered: Saturday, June 29, 2019 13:37:23 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:37:39 Pacific Daylight Time

HL 6-29-19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_6-28-19.mdb 28 Jun 2019 14:45:02
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|-----------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|------------|---------|-------|
| 1 | 1 PCB-1 | 1.98e6 | 3.15 | NO | 1.02 | 1.000 | 16.01 | 16.02 | 1.001 | 1.001 | NO | 98.99 | 70-130 | 0.00903 | 98.99 |
| 2 | 2 PCB-2 | | | NO | 1.01 | 1.000 | 18.46 | | 0.988 | | YES | | | 0.00959 | |
| 3 | 3 PCB-3 | 2.04e6 | 3.09 | NO | 1.01 | 1.000 | 18.70 | 18.71 | 1.001 | 1.001 | NO | 100.8 | 70-130 | 0.00961 | 100.8 |
| 4 | 4 PCB-4/10 | 3.04e6 | 1.58 | NO | 1.28 | 1.000 | 20.16 | 20.16 | 1.004 | 1.004 | NO | 201.9 | 112.5-225 | 0.0257 | 201.9 |
| 5 | 5 PCB-7/9 | 1.83e6 | 1.57 | NO | 0.976 | 1.000 | 21.98 | 21.94 | 1.003 | 1.001 | NO | 103.3 | 70-130 | 0.0224 | 103.3 |
| 6 | 6 PCB-6 | | | NO | 1.02 | 1.000 | 22.63 | | 1.032 | | YES | | | 0.0215 | |
| 7 | 7 PCB-5/8 | 1.88e6 | 1.57 | NO | 1.01 | 1.000 | 23.04 | 23.05 | 1.051 | 1.051 | NO | 102.8 | 70-130 | 0.0216 | 102.8 |
| 8 | 8 PCB-14 | | | NO | 1.03 | 1.000 | 24.20 | | 0.953 | | YES | | | 0.0231 | |
| 9 | 9 PCB-11 | 1.80e6 | 1.58 | NO | 1.10 | 1.000 | 25.43 | 25.44 | 1.001 | 1.001 | NO | 93.04 | 70-130 | 0.0218 | 93.04 |
| 10 | 10 PCB-12/13 | 1.72e6 | 1.56 | NO | 1.04 | 1.000 | 25.80 | 25.87 | 1.015 | 1.018 | NO | 93.88 | | 0.0230 | 93.88 |
| 11 | 11 PCB-15 | 1.87e6 | 1.57 | NO | 1.03 | 1.000 | 26.16 | 26.16 | 1.030 | 1.030 | NO | 102.8 | | 0.0232 | 102.8 |
| 12 | 12 PCB-19 | 5.20e5 | 0.96 | NO | 0.934 | 1.000 | 24.39 | 24.39 | 1.001 | 1.001 | NO | 47.83 | 35-65 | 0.0146 | 47.83 |
| 13 | 13 PCB-30 | | | NO | 1.48 | 1.000 | 25.31 | | 1.039 | | YES | | | 0.00921 | |
| 14 | 14 PCB-18 | 5.27e5 | 0.96 | NO | 0.693 | 1.000 | 26.09 | 26.08 | 0.953 | 0.953 | NO | 46.71 | | 0.0142 | 46.71 |
| 15 | 15 PCB-17 | | | NO | 0.667 | 1.000 | 26.26 | | 0.959 | | YES | | | 0.0148 | |
| 16 | 16 PCB-24/27 | | | NO | 0.915 | 1.000 | 26.86 | | 0.981 | | YES | | | 0.0108 | |
| 17 | 17 PCB-16/32 | | | NO | 0.792 | 1.000 | 27.40 | | 1.001 | | YES | | | 0.0124 | |
| 18 | 18 PCB-34 | | | NO | 0.987 | 1.000 | 28.22 | | 0.960 | | YES | | | 0.0251 | |
| 19 | 19 PCB-23 | | | NO | 0.974 | 1.000 | 28.31 | | 0.963 | | YES | | | 0.0254 | |
| 20 | 20 PCB-29 | | | NO | 0.953 | 1.000 | 28.57 | | 0.972 | | YES | | | 0.0260 | |
| 21 | 21 PCB-26 | | | NO | 1.00 | 1.000 | 28.79 | | 0.979 | | YES | | | 0.0248 | |
| 22 | 22 PCB-25 | | | NO | 0.978 | 1.000 | 28.96 | | 0.985 | | YES | | | 0.0253 | |
| 23 | 23 PCB-31 | 7.84e5 | 1.03 | NO | 1.12 | 1.000 | 29.31 | 29.31 | 0.997 | 0.997 | NO | 43.20 | | 0.0221 | 43.20 |
| 24 | 24 PCB-28 | 8.35e5 | 1.04 | NO | 1.11 | 1.000 | 29.43 | 29.43 | 1.001 | 1.001 | NO | 46.72 | | 0.0224 | 46.72 |
| 25 | 25 PCB-20/21/33 | 7.50e5 | 1.04 | NO | 1.00 | 1.000 | 30.05 | 30.10 | 1.022 | 1.023 | NO | 46.25 | 46.2 35-65 | 0.0247 | 46.25 |
| 26 | 26 PCB-22 | | | NO | 1.03 | 1.000 | 30.51 | | 1.038 | | YES | | | 0.0240 | |
| 27 | 27 PCB-36 | | | NO | 1.18 | 1.000 | 31.17 | | 0.932 | | YES | | | 0.0242 | |
| 28 | 28 PCB-39 | | | NO | 1.08 | 1.000 | 31.65 | | 0.947 | | YES | | | 0.0262 | |
| 29 | 29 PCB-38 | 7.01e5 | 1.04 | NO | 1.13 | 1.000 | 32.46 | 32.44 | 0.971 | 0.970 | NO | 43.26 | 35-65 | 0.0252 | 43.26 |
| 30 | 30 PCB-35 | 7.22e5 | 1.04 | NO | 1.13 | 1.000 | 33.00 | 33.00 | 0.987 | 0.987 | NO | 44.38 | | 0.0251 | 44.38 |
| 31 | 31 PCB-37 | 7.69e5 | 1.04 | NO | 1.11 | 1.000 | 33.46 | 33.45 | 1.001 | 1.001 | NO | 48.42 | | 0.0257 | 48.42 |
| 32 | 32 PCB-54 | 6.50e5 | 0.72 | NO | 0.996 | 1.000 | 28.26 | 28.27 | 1.001 | 1.001 | NO | 48.04 | | 0.0251 | 48.04 |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

Last Altered: Saturday, June 29, 2019 13:37:23 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:37:39 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

| # | Name | Resp | RA | n/y | RRF | w/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|--------------------|--------|------|-----|-------|-------|---------|-------|----------|-------|-----------|-------|-------|--------|-------|
| 33 | 33 PCB-50 | | | NO | 0.781 | 1.000 | 29.47 | | 1.044 | | YES | | 35-65 | 0.0320 | |
| 34 | 34 PCB-53 | | | NO | 0.955 | 1.000 | 30.16 | | 0.945 | | YES | | | 0.0347 | |
| 35 | 35 PCB-51 | | | NO | 1.02 | 1.000 | 30.52 | | 0.956 | | YES | | | 0.0324 | |
| 36 | 36 PCB-45 | | | NO | 0.808 | 1.000 | 30.96 | | 0.970 | | YES | | | 0.0411 | |
| 37 | 37 PCB-46 | | | NO | 0.754 | 1.000 | 31.45 | | 0.985 | | YES | | | 0.0440 | |
| 38 | 38 PCB-52/69 | 5.31e5 | 0.73 | NO | 1.09 | 1.000 | 31.96 | 31.94 | 1.001 | 1.001 | NO | 45.67 | | 0.0304 | 45.67 |
| 39 | 39 PCB-73 | | | NO | 1.29 | 1.000 | 32.07 | | 1.005 | | YES | | | 0.0257 | |
| 40 | 40 PCB-43/49 | 4.83e5 | 0.74 | NO | 0.940 | 1.000 | 32.26 | 32.26 | 1.011 | 1.010 | NO | 48.22 | | 0.0353 | 48.22 |
| 41 | 41 PCB-47 | | | NO | 0.869 | 1.000 | 32.45 | | 1.000 | | YES | | | 0.0359 | |
| 42 | 42 PCB-48/75 | | | NO | 1.02 | 1.000 | 32.57 | | 1.004 | | YES | | | 0.0305 | |
| 43 | 43 PCB-65 | | | NO | 1.11 | 1.000 | 32.85 | | 1.013 | | YES | | | 0.0282 | |
| 44 | 44 PCB-62 | | | NO | 1.07 | 1.000 | 32.96 | | 1.016 | | YES | | | 0.0293 | |
| 45 | 45 PCB-44 | 4.15e5 | 0.75 | NO | 0.761 | 1.000 | 33.28 | 33.28 | 1.026 | 1.026 | NO | 49.06 | | 0.0410 | 49.06 |
| 46 | 46 PCB-42/59 | | | NO | 0.960 | 1.000 | 33.51 | | 1.033 | | YES | | | 0.0325 | |
| 47 | 47 PCB-41/64/71/72 | | | NO | 1.08 | 1.000 | 34.10 | | 1.051 | | YES | | | 0.0289 | |
| 48 | 48 PCB-68 | | | NO | 1.11 | 1.000 | 34.38 | | 1.060 | | YES | | | 0.0282 | |
| 49 | 49 PCB-40 | | | NO | 0.577 | 1.000 | 34.61 | | 1.067 | | YES | | | 0.0542 | |
| 50 | 50 PCB-57 | 5.94e5 | 0.73 | NO | 1.05 | 1.000 | 34.97 | 34.99 | 0.970 | 0.970 | NO | 45.11 | | 0.0274 | 45.11 |
| 51 | 51 PCB-67 | | | NO | 0.993 | 1.000 | 35.29 | | 0.979 | | YES | | | 0.0289 | |
| 52 | 52 PCB-58 | | | NO | 1.11 | 1.000 | 35.40 | | 0.982 | | YES | | | 0.0258 | |
| 53 | 53 PCB-63 | | | NO | 0.962 | 1.000 | 35.57 | | 0.986 | | YES | | | 0.0299 | |
| 54 | 54 PCB-74 | 6.18e5 | 0.73 | NO | 1.07 | 1.000 | 35.86 | 35.88 | 0.994 | 0.995 | NO | 46.19 | | 0.0270 | 46.19 |
| 55 | 55 PCB-61/70 | 6.36e5 | 0.73 | NO | 0.986 | 1.000 | 36.09 | 36.11 | 1.000 | 1.001 | NO | 51.40 | | 0.0292 | 51.40 |
| 56 | 56 PCB-76/66 | 6.25e5 | 0.73 | NO | 1.07 | 1.000 | 36.29 | 36.31 | 1.006 | 1.007 | NO | 46.69 | | 0.0270 | 46.69 |
| 57 | 57 PCB-80 | | | NO | 1.08 | 1.000 | 36.54 | | 1.001 | | YES | | | 0.0244 | |
| 58 | 58 PCB-55 | | | NO | 1.07 | 1.000 | 36.86 | | 1.010 | | YES | | | 0.0247 | |
| 59 | 59 PCB-56/60 | | | NO | 0.934 | 1.000 | 37.39 | | 1.024 | | YES | | | 0.0283 | |
| 60 | 60 PCB-79 | 6.23e5 | 0.75 | NO | 1.04 | 1.000 | 38.48 | 38.49 | 1.054 | 1.054 | NO | 45.44 | | 0.0253 | 45.44 |
| 61 | 61 PCB-78 | 5.44e5 | 0.73 | NO | 1.03 | 1.000 | 39.20 | 39.20 | 0.987 | 0.987 | NO | 42.39 | | 0.0286 | 42.39 |
| 62 | 62 PCB-81 | 6.21e5 | 0.72 | NO | 0.933 | 1.000 | 39.73 | 39.75 | 1.000 | 1.001 | NO | 53.50 | | 0.0317 | 53.50 |
| 63 | 63 PCB-77 | 5.96e5 | 0.73 | NO | 1.03 | 1.000 | 40.37 | 40.37 | 1.000 | 1.000 | NO | 47.72 | | 0.0301 | 47.72 |
| 64 | 64 PCB-104 | 6.58e5 | 1.50 | NO | 0.995 | 1.000 | 33.13 | 33.13 | 1.001 | 1.001 | NO | 51.39 | | 0.0165 | 51.39 |
| 65 | 65 PCB-96 | | | NO | 0.996 | 1.000 | 34.45 | | 1.041 | | YES | | | 0.0164 | |
| 66 | 66 PCB-103 | | | NO | 0.774 | 1.000 | 35.01 | | 1.057 | | YES | | | 0.0211 | |
| 67 | 67 PCB-100 | | | NO | 0.778 | 1.000 | 35.38 | | 1.069 | | YES | | | 0.0211 | |
| 68 | 68 PCB-94 | | | NO | 0.773 | 1.000 | 35.87 | | 0.986 | | YES | | | 0.0275 | |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

Last Altered: Saturday, June 29, 2019 13:37:23 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:37:39 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

| # | Name | Resp | RA | n/y | RRF | w/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|-------------------|--------|------|-----|-------|-------|---------|-------|----------|-------|-----------|-------|------|--------|-------|
| 69 | 69 PCB-95/98/102 | 4.58e5 | 1.50 | NO | 1.01 | 1.000 | 36.36 | 36.40 | 0.999 | 1.001 | NO | 45.45 | 45.4 | 0.0210 | 45.45 |
| 70 | 70 PCB-93 | | | NO | 0.841 | 1.000 | 36.49 | | 1.003 | | YES | | | 0.0253 | |
| 71 | 71 PCB-88/91 | | | NO | 0.890 | 1.000 | 36.82 | | 1.012 | | YES | | | 0.0239 | |
| 72 | 72 PCB-121 | | | NO | 1.39 | 1.000 | 36.94 | | 1.015 | | YES | | | 0.0154 | |
| 73 | 73 PCB-84/92 | | | NO | 0.879 | 1.000 | 37.77 | | 0.990 | | YES | | | 0.0252 | |
| 74 | 74 PCB-89 | | | NO | 0.959 | 1.000 | 37.98 | | 0.996 | | YES | | | 0.0231 | |
| 75 | 75 PCB-90/101 | 4.91e5 | 1.51 | NO | 0.944 | 1.000 | 38.14 | 38.15 | 1.000 | 1.000 | NO | 53.94 | | 0.0234 | 53.94 |
| 76 | 76 PCB-113 | | | NO | 1.23 | 1.000 | 38.41 | | 1.007 | | YES | | | 0.0180 | |
| 77 | 77 PCB-99 | 4.95e5 | 1.51 | NO | 1.12 | 1.000 | 38.51 | 38.49 | 1.010 | 1.009 | NO | 45.83 | | 0.0198 | 45.83 |
| 78 | 78 PCB-119 | | | NO | 1.47 | 1.000 | 38.96 | | 0.987 | | YES | | | 0.0178 | |
| 79 | 79 PCB-108/112 | | | NO | 1.25 | 1.000 | 39.13 | | 0.991 | | YES | | | 0.0210 | |
| 80 | 80 PCB-83 | | | NO | 1.55 | 1.000 | 39.30 | | 0.996 | | YES | | | 0.0170 | |
| 81 | 81 PCB-97 | | | NO | 1.07 | 1.000 | 39.51 | | 1.001 | | YES | | | 0.0244 | |
| 82 | 82 PCB-86 | | | NO | 0.996 | 1.000 | 39.64 | | 1.004 | | YES | | | 0.0264 | |
| 83 | 83 PCB-87/117/125 | 4.15e5 | 1.52 | NO | 1.33 | 1.000 | 39.78 | 39.79 | 1.008 | 1.008 | NO | 37.15 | 37.1 | 0.0197 | 37.15 |
| 84 | 84 PCB-111/115 | 5.95e5 | 1.53 | NO | 1.60 | 1.000 | 39.94 | 39.96 | 1.012 | 1.012 | NO | 44.34 | | 0.0164 | 44.34 |
| 85 | 85 PCB-85/116 | | | NO | 1.22 | 1.000 | 40.07 | | 1.015 | | YES | | | 0.0216 | |
| 86 | 86 PCB-120 | | | NO | 1.68 | 1.000 | 40.33 | | 1.022 | | YES | | | 0.0156 | |
| 87 | 87 PCB-110 | 5.89e5 | 1.52 | NO | 1.49 | 1.000 | 40.46 | 40.48 | 1.025 | 1.025 | NO | 47.34 | | 0.0177 | 47.34 |
| 88 | 88 PCB-82 | | | NO | 0.674 | 1.000 | 41.14 | | 0.976 | | YES | | | 0.0299 | |
| 89 | 89 PCB-124 | | | NO | 1.16 | 1.000 | 41.85 | | 0.993 | | YES | | | 0.0173 | |
| 90 | 90 PCB-107/109 | 5.75e5 | 1.49 | NO | 1.17 | 1.000 | 42.00 | 42.15 | 0.997 | 1.000 | YES | 45.67 | | 0.0173 | 45.67 |
| 91 | 91 PCB-123 | | | NO | 1.04 | 1.000 | 42.16 | | 1.000 | | YES | | | 0.0194 | |
| 92 | 92 PCB-106/118 | 6.17e5 | 1.52 | NO | 1.07 | 1.000 | 42.36 | 42.34 | 1.001 | 1.000 | NO | 50.56 | | 0.0181 | 50.56 |
| 93 | 93 PCB-114 | 5.16e5 | 1.58 | NO | 1.16 | 1.000 | 43.02 | 43.02 | 1.000 | 1.000 | NO | 46.05 | | 0.0229 | 46.05 |
| 94 | 94 PCB-122 | | | NO | 0.973 | 1.000 | 43.15 | | 1.003 | | YES | | | 0.0274 | |
| 95 | 95 PCB-105 | 5.49e5 | 1.57 | NO | 1.10 | 1.000 | 43.91 | 43.91 | 1.000 | 1.000 | NO | 49.49 | | 0.0237 | 49.49 |
| 96 | 96 PCB-127 | | | NO | 1.11 | 1.000 | 44.27 | | 1.000 | | YES | | | 0.0233 | |
| 97 | 97 PCB-126 | 5.54e5 | 1.59 | NO | 1.21 | 1.000 | 46.22 | 46.22 | 1.000 | 1.000 | NO | 48.91 | | 0.0239 | 48.91 |
| 98 | 98 PCB-155 | 5.95e5 | 1.27 | NO | 0.874 | 1.000 | 37.67 | 37.69 | 1.000 | 1.001 | NO | 56.75 | | 0.0120 | 56.75 |
| 99 | 99 PCB-150 | | | NO | 0.881 | 1.000 | 38.97 | | 1.035 | | YES | | | 0.0119 | |
| 100 | 1... PCB-152 | | | NO | 1.00 | 1.000 | 39.46 | | 1.048 | | YES | | | 0.0104 | |
| 101 | 1... PCB-145 | | | NO | 1.00 | 1.000 | 39.93 | | 1.061 | | YES | | | 0.0105 | |
| 102 | 1... PCB-136 | | | NO | 0.843 | 1.000 | 40.26 | | 1.069 | | YES | | | 0.0124 | |
| 103 | 1... PCB-148 | | | NO | 0.693 | 1.000 | 40.37 | | 1.072 | | YES | | | 0.0151 | |
| 104 | 1... PCB-154 | | | NO | 0.724 | 1.000 | 40.88 | | 1.086 | | YES | | | 0.0145 | |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

Last Altered: Saturday, June 29, 2019 13:37:23 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:37:39 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|----------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|-------|--------|-------|
| 105 | 1... PCB-151 | | | NO | 0.632 | 1.000 | 41.56 | | 1.104 | | YES | | 35-65 | 0.0166 | |
| 106 | 1... PCB-135 | | | NO | 0.716 | 1.000 | 41.78 | | 1.110 | | YES | | | 0.0146 | |
| 107 | 1... PCB-144 | | | NO | 0.667 | 1.000 | 41.87 | | 1.112 | | YES | | | 0.0157 | |
| 108 | 1... PCB-147 | | | NO | 0.661 | 1.000 | 42.02 | | 1.116 | | YES | | | 0.0158 | |
| 109 | 1... PCB-139/149 | 4.11e5 | 1.26 | NO | 0.738 | 1.000 | 42.28 | 42.29 | 1.123 | 1.123 | NO | 46.32 | | 0.0142 | 46.32 |
| 110 | 1... PCB-140 | | | NO | 0.627 | 1.000 | 42.49 | | 1.128 | | YES | | | 0.0167 | |
| 111 | 1... PCB-134/143 | | | NO | 0.733 | 1.000 | 42.94 | | 0.975 | | YES | | | 0.0388 | |
| 112 | 1... PCB-131/133 | | | NO | 0.790 | 1.000 | 43.24 | | 0.982 | | YES | | | 0.0360 | |
| 113 | 1... PCB-142 | | | NO | 0.708 | 1.000 | 43.43 | | 0.986 | | YES | | | 0.0402 | |
| 114 | 1... PCB-146/165 | | | NO | 0.959 | 1.000 | 43.64 | | 0.990 | | YES | | | 0.0297 | |
| 115 | 1... PCB-132/161 | | | NO | 0.974 | 1.000 | 43.89 | | 0.996 | | YES | | | 0.0292 | |
| 116 | 1... PCB-153 | 4.28e5 | 1.21 | NO | 1.01 | 1.000 | 44.08 | 44.08 | 1.000 | 1.000 | NO | 45.74 | | 0.0281 | 45.74 |
| 117 | 1... PCB-168 | | | NO | 1.02 | 1.000 | 44.28 | | 1.005 | | YES | | | 0.0279 | |
| 118 | 1... PCB-141 | | | NO | 0.967 | 1.000 | 44.86 | | 1.001 | | YES | | | 0.0370 | |
| 119 | 1... PCB-137 | | | NO | 0.987 | 1.000 | 45.23 | | 1.009 | | YES | | | 0.0363 | |
| 120 | 1... PCB-130 | | | NO | 0.840 | 1.000 | 45.34 | | 1.012 | | YES | | | 0.0426 | |
| 121 | 1... PCB-138/163/164 | 3.71e5 | 1.19 | NO | 1.23 | 1.000 | 45.72 | 45.71 | 1.001 | 1.000 | NO | 39.00 | 39.00 | 0.0281 | 39.00 |
| 122 | 1... PCB-158/160 | | | NO | 1.18 | 1.000 | 45.98 | | 1.006 | | YES | | | 0.0293 | |
| 123 | 1... PCB-129 | | | NO | 0.819 | 1.000 | 46.23 | | 1.012 | | YES | | | 0.0421 | |
| 124 | 1... PCB-166 | | | NO | 1.07 | 1.000 | 46.69 | | 0.993 | | YES | | | 0.0274 | |
| 125 | 1... PCB-159 | | | NO | 1.12 | 1.000 | 47.03 | | 1.000 | | YES | | | 0.0262 | |
| 126 | 1... PCB-128/162 | 4.56e5 | 1.21 | NO | 0.851 | 1.000 | 47.32 | 47.34 | 1.007 | 1.007 | NO | 57.57 | | 0.0344 | 57.57 |
| 127 | 1... PCB-167 | 5.02e5 | 1.19 | NO | 1.04 | 1.000 | 47.73 | 47.73 | 1.000 | 1.000 | NO | 51.80 | | 0.0287 | 51.80 |
| 128 | 1... PCB-156 | 4.50e5 | 1.21 | NO | 1.06 | 1.000 | 49.08 | 49.08 | 1.000 | 1.000 | NO | 46.22 | | 0.0285 | 46.22 |
| 129 | 1... PCB-157 | 5.10e5 | 1.19 | NO | 0.978 | 1.000 | 49.36 | 49.34 | 1.001 | 1.000 | NO | 56.38 | | 0.0300 | 56.38 |
| 130 | 1... PCB-169 | 4.53e5 | 1.19 | NO | 1.11 | 1.000 | 51.62 | 51.62 | 1.000 | 1.000 | NO | 45.69 | | 0.0288 | 45.69 |
| 131 | 1... PCB-188 | 5.49e5 | 1.03 | NO | 1.19 | 1.000 | 43.72 | 43.70 | 1.001 | 1.000 | NO | 52.22 | | 0.0289 | 52.22 |
| 132 | 1... PCB-184 | | | NO | 1.17 | 1.000 | 44.17 | | 1.011 | | YES | | | 0.0295 | |
| 133 | 1... PCB-179 | | | NO | 1.18 | 1.000 | 44.96 | | 1.029 | | YES | | | 0.0293 | |
| 134 | 1... PCB-176 | | | NO | 1.16 | 1.000 | 45.45 | | 1.041 | | YES | | | 0.0297 | |
| 135 | 1... PCB-186 | | | NO | 1.22 | 1.000 | 46.07 | | 1.055 | | YES | | | 0.0283 | |
| 136 | 1... PCB-178 | 3.71e5 | 1.03 | NO | 0.830 | 1.000 | 46.59 | 46.58 | 1.067 | 1.066 | NO | 50.70 | | 0.0415 | 50.70 |
| 137 | 1... PCB-175 | | | NO | 0.849 | 1.000 | 46.95 | | 1.075 | | YES | | | 0.0406 | |
| 138 | 1... PCB-182/187 | 4.09e5 | 1.05 | NO | 0.960 | 1.000 | 47.12 | 47.11 | 1.079 | 1.079 | NO | 48.37 | | 0.0359 | 48.37 |
| 139 | 1... PCB-183 | | | NO | 0.957 | 1.000 | 47.44 | | 1.086 | | YES | | | 0.0360 | |
| 140 | 1... PCB-185 | | | NO | 1.32 | 1.000 | 48.14 | | 0.956 | | YES | | | 0.0413 | |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

Last Altered: Saturday, June 29, 2019 13:37:23 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:37:39 Pacific Daylight Time

7/2/19
DB FOR HC

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|-------|---------|-------|
| 141 | 1... PCB-174 | 3.54e5 | 1.02 | NO | 1.22 | 1.000 | 48.52 | 48.51 | 0.963 | 0.963 | NO | 48.94 | 75.65 | 0.0448 | 48.94 |
| 142 | 1... PCB-181 | | | NO | 1.41 | 1.000 | 48.63 | | 0.965 | | YES | | | 0.0386 | |
| 143 | 1... PCB-177 | | | NO | 1.24 | 1.000 | 48.80 | | 0.969 | | YES | | | 0.0440 | |
| 144 | 1... PCB-171 | | | NO | 1.24 | 1.000 | 49.11 | | 0.975 | | YES | | | 0.0439 | |
| 145 | 1... PCB-173 | | | NO | 1.14 | 1.000 | 49.54 | | 0.983 | | YES | | | 0.0478 | |
| 146 | 1... PCB-172 | | | NO | 1.31 | 1.000 | 50.00 | | 0.992 | | YES | | | 0.0417 | |
| 147 | 1... PCB-192 | | | NO | 1.70 | 1.000 | 50.20 | | 0.996 | | YES | | | 0.0321 | |
| 148 | 1... PCB-180 | 4.20e5 | 1.04 | NO | 1.32 | 1.000 | 50.41 | 50.40 | 1.000 | 1.000 | NO | 53.57 | | 0.0413 | 53.57 |
| 149 | 1... PCB-193 | | | NO | 1.54 | 1.000 | 50.62 | | 1.005 | | YES | | | 0.0354 | |
| 150 | 1... PCB-191 | | | NO | 1.57 | 1.000 | 50.88 | | 1.010 | | YES | | | 0.0347 | |
| 151 | 1... PCB-170 | 3.41e5 | 1.03 | NO | 1.36 | 1.000 | 52.06 | 52.05 | 1.000 | 1.000 | NO | 49.08 | | 0.0437 | 49.08 |
| 152 | 1... PCB-190 | | | NO | 1.84 | 1.000 | 52.24 | | 1.004 | | YES | | | 0.0323 | |
| 153 | 1... PCB-189 | 4.62e5 | 1.05 | NO | 1.33 | 1.000 | 53.74 | 53.74 | 1.000 | 1.000 | NO | 49.88 | | 0.0293 | 49.88 |
| 154 | 1... PCB-202 | 4.71e5 | 0.88 | NO | 1.02 | 1.000 | 49.31 | 49.29 | 1.001 | 1.000 | NO | 51.01 | | 0.0120 | 51.01 |
| 155 | 1... PCB-201 | | | NO | 0.915 | 1.000 | 49.78 | | 1.010 | | YES | | | 0.0135 | |
| 156 | 1... PCB-204 | | | NO | 0.979 | 1.000 | 49.95 | | 1.014 | | YES | | | 0.0126 | |
| 157 | 1... PCB-197 | | | NO | 0.979 | 1.000 | 50.24 | | 1.020 | | YES | | | 0.0126 | |
| 158 | 1... PCB-200 | 4.31e5 | 0.89 | NO | 0.954 | 1.000 | 51.19 | 51.20 | 1.039 | 1.039 | NO | 50.08 | | 0.0129 | 50.08 |
| 159 | 1... PCB-198 | | | NO | 0.748 | 1.000 | 52.73 | | 1.070 | | YES | | | 0.0165 | |
| 160 | 1... PCB-199 | | | NO | 0.706 | 1.000 | 52.85 | | 1.073 | | YES | | | 0.0174 | |
| 161 | 1... PCB-196/203 | 3.40e5 | 0.90 | NO | 0.785 | 1.000 | 53.15 | 53.15 | 1.079 | 1.079 | NO | 48.11 | | 0.0157 | 48.11 |
| 162 | 1... PCB-195 | 3.16e5 | 0.89 | NO | 1.03 | 1.000 | 54.43 | 54.42 | 0.984 | 0.984 | NO | 50.55 | | 0.0291 | 50.55 |
| 163 | 1... PCB-194 | 3.30e5 | 0.90 | NO | 1.16 | 1.000 | 55.33 | 55.33 | 1.000 | 1.000 | NO | 47.12 | | 0.0260 | 47.12 |
| 164 | 1... PCB-205 | 4.27e5 | 0.89 | NO | 1.40 | 1.000 | 55.59 | 55.60 | 1.005 | 1.005 | NO | 50.40 | | 0.0214 | 50.40 |
| 165 | 1... PCB-208 | 3.53e5 | 1.33 | NO | 0.934 | 1.000 | 54.58 | 54.58 | 1.000 | 1.000 | NO | 48.48 | | 0.0226 | 48.48 |
| 166 | 1... PCB-207 | | | NO | 0.912 | 1.000 | 54.90 | | 1.006 | | YES | | | 0.0231 | |
| 167 | 1... PCB-206 | 2.62e5 | 1.30 | NO | 0.987 | 1.000 | 56.86 | 56.86 | 1.000 | 1.000 | NO | 47.02 | | 0.0285 | 47.02 |
| 168 | 1... PCB-209 | 3.46e5 | 1.18 | NO | 0.943 | 1.000 | 58.06 | 58.08 | 1.000 | 1.000 | NO | 51.82 | | 0.00500 | 51.82 |
| 169 | 1... 13C-PCB-1 | 1.96e6 | 3.06 | NO | 1.08 | 1.000 | 15.99 | 16.00 | 0.612 | 0.612 | NO | 98.48 | 98.5 | 0.0563 | |
| 170 | 1... 13C-PCB-3 | 2.01e6 | 3.04 | NO | 1.09 | 1.000 | 18.69 | 18.69 | 0.715 | 0.715 | NO | 99.62 | 99.6 | 0.0556 | |
| 171 | 1... 13C-PCB-4 | 1.18e6 | 1.59 | NO | 0.640 | 1.000 | 20.07 | 20.08 | 0.768 | 0.768 | NO | 99.76 | 99.8 | 0.0380 | |
| 172 | 1... 13C-PCB-9 | 1.81e6 | 1.60 | NO | 0.995 | 1.000 | 21.92 | 21.92 | 0.839 | 0.839 | NO | 98.50 | 98.5 | 0.0245 | |
| 173 | 1... 13C-PCB-11 | 1.77e6 | 1.61 | NO | 0.971 | 1.000 | 25.42 | 25.41 | 0.973 | 0.972 | NO | 98.49 | 98.5 | 0.0251 | |
| 174 | 1... 13C-PCB-19 | 1.16e6 | 1.03 | NO | 0.637 | 1.000 | 24.36 | 24.36 | 0.932 | 0.932 | NO | 98.74 | 98.7 | 0.314 | |
| 175 | 1... 13C-PCB-32 | 1.63e6 | 1.03 | NO | 0.910 | 1.000 | 27.38 | 27.38 | 1.047 | 1.047 | NO | 96.77 | 96.8 | 0.220 | |
| 176 | 1... 13C-PCB-28 | 1.62e6 | 0.99 | NO | 1.07 | 1.000 | 29.41 | 29.41 | 1.004 | 1.004 | NO | 102.4 | 102 | 0.281 | |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

Last Altered: Saturday, June 29, 2019 13:37:23 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:37:39 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

| # | Name | Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|--------|---------|-------|----------|-------|-----------|-------|-------|---------|------|
| 177 | 1... 13C-PCB-37 | 1.44e6 | 1.00 | NO | 0.959 | 1.000 | 33.43 | 33.43 | 1.141 | 1.141 | NO | 101.4 | 101.4 | 0.313 | |
| 178 | 1... 13C-PCB-54 | 1.36e6 | 0.75 | NO | 1.10 | 1.000 | 28.23 | 28.24 | 0.756 | 0.756 | NO | 98.57 | 98.6 | 0.0541 | |
| 179 | 1... 13C-PCB-52 | 1.06e6 | 0.78 | NO | 0.844 | 1.000 | 31.91 | 31.92 | 0.854 | 0.855 | NO | 100.4 | 100 | 0.0704 | |
| 180 | 1... 13C-PCB-47 | 1.11e6 | 0.78 | NO | 0.893 | 1.000 | 32.43 | 32.44 | 0.868 | 0.868 | NO | 99.14 | 99.1 | 0.0665 | |
| 181 | 1... 13C-PCB-70 | 1.26e6 | 0.78 | NO | 1.01 | 1.000 | 36.07 | 36.07 | 0.966 | 0.966 | NO | 99.23 | 99.2 | 0.0590 | |
| 182 | 1... 13C-PCB-80 | 1.31e6 | 0.77 | NO | 1.05 | 1.000 | 36.51 | 36.52 | 0.977 | 0.978 | NO | 99.87 | 99.9 | 0.0568 | |
| 183 | 1... 13C-PCB-81 | 1.24e6 | 0.77 | NO | 0.985 | 1.000 | 39.72 | 39.72 | 1.063 | 1.063 | NO | 100.6 | 101 | 0.0603 | |
| 184 | 1... 13C-PCB-77 | 1.21e6 | 0.81 | NO | 0.958 | 1.000 | 40.33 | 40.35 | 1.080 | 1.080 | NO | 100.4 | 100 | 0.0620 | |
| 185 | 1... 13C-PCB-104 | 1.29e6 | 1.60 | NO | 1.10 | 1.000 | 33.10 | 33.11 | 0.829 | 0.829 | NO | 99.39 | 99.4 | 0.0288 | |
| 186 | 1... 13C-PCB-95 | 9.93e5 | 1.62 | NO | 0.852 | 1.000 | 36.37 | 36.39 | 0.911 | 0.911 | NO | 98.70 | 98.7 | 0.0370 | |
| 187 | 1... 13C-PCB-101 | 9.65e5 | 1.61 | NO | 0.814 | 1.000 | 38.12 | 38.14 | 0.955 | 0.955 | NO | 100.4 | 100 | 0.0388 | |
| 188 | 1... 13C-PCB-97 | 8.38e5 | 1.60 | NO | 0.709 | 1.000 | 39.47 | 39.48 | 0.989 | 0.989 | NO | 100.0 | 100 | 0.0445 | |
| 189 | 1... 13C-PCB-123 | 1.08e6 | 1.61 | NO | 0.922 | 1.000 | 42.12 | 42.14 | 1.055 | 1.055 | NO | 99.15 | 99.1 | 0.0342 | |
| 190 | 1... 13C-PCB-118 | 1.14e6 | 1.58 | NO | 0.975 | 1.000 | 42.32 | 42.32 | 1.060 | 1.060 | NO | 99.01 | 99.0 | 0.0324 | |
| 191 | 1... 13C-PCB-114 | 9.64e5 | 1.57 | NO | 1.52 | 1.000 | 43.02 | 43.00 | 0.910 | 0.909 | NO | 95.80 | 95.8 | 0.0533 | |
| 192 | 1... 13C-PCB-105 | 1.01e6 | 1.55 | NO | 1.58 | 1.000 | 43.89 | 43.89 | 0.928 | 0.928 | NO | 96.05 | 96.0 | 0.0512 | |
| 193 | 1... 13C-PCB-127 | 1.03e6 | 1.56 | NO | 1.62 | 1.000 | 44.23 | 44.25 | 0.935 | 0.936 | NO | 95.77 | 95.8 | 0.0500 | |
| 194 | 1... 13C-PCB-126 | 9.34e5 | 1.57 | NO | 1.45 | 1.000 | 46.20 | 46.20 | 0.977 | 0.977 | NO | 97.55 | 97.5 | 0.0561 | |
| 195 | 1... 13C-PCB-155 | 1.20e6 | 1.28 | NO | 1.03 | 1.000 | 37.65 | 37.65 | 0.943 | 0.943 | NO | 99.08 | 99.1 | 0.0115 | |
| 196 | 1... 13C-PCB-153 | 9.25e5 | 1.24 | NO | 1.42 | 1.000 | 44.04 | 44.06 | 0.931 | 0.932 | NO | 98.14 | 98.1 | 0.0601 | |
| 197 | 1... 13C-PCB-141 | 7.48e5 | 1.25 | NO | 1.14 | 1.000 | 44.81 | 44.82 | 0.947 | 0.948 | NO | 98.89 | 98.9 | 0.0749 | |
| 198 | 1... 13C-PCB-138 | 7.77e5 | 1.24 | NO | 1.18 | 1.000 | 45.69 | 45.69 | 0.966 | 0.966 | NO | 99.38 | 99.4 | 0.0726 | |
| 199 | 1... 13C-PCB-159 | 9.32e5 | 1.25 | NO | 1.43 | 1.000 | 47.01 | 47.01 | 0.994 | 0.994 | NO | 98.19 | 98.2 | 0.0597 | |
| 200 | 2... 13C-PCB-167 | 9.29e5 | 1.27 | NO | 1.42 | 1.000 | 47.71 | 47.71 | 1.009 | 1.009 | NO | 98.54 | 98.5 | 0.0601 | |
| 201 | 2... 13C-PCB-156 | 9.22e5 | 1.28 | NO | 1.40 | 1.000 | 49.04 | 49.06 | 1.037 | 1.037 | NO | 99.60 | 99.6 | 0.0613 | |
| 202 | 2... 13C-PCB-157 | 9.26e5 | 1.31 | NO | 1.41 | 1.000 | 49.32 | 49.33 | 1.043 | 1.043 | NO | 99.38 | 99.4 | 0.0609 | |
| 203 | 2... 13C-PCB-169 | 8.95e5 | 1.25 | NO | 1.35 | 1.000 | 51.60 | 51.60 | 1.091 | 1.091 | NO | 100.4 | 100 | 0.0636 | |
| 204 | 2... 13C-PCB-188 | 8.81e5 | 0.46 | NO | 1.46 | 1.000 | 43.66 | 43.68 | 0.927 | 0.927 | NO | 94.37 | 94.4 | 0.0454 | |
| 205 | 2... 13C-PCB-180 | 5.93e5 | 0.46 | NO | 0.932 | 1.000 | 50.37 | 50.39 | 1.069 | 1.070 | NO | 99.77 | 99.8 | 0.0712 | |
| 206 | 2... 13C-PCB-170 | 5.11e5 | 0.45 | NO | 0.796 | 1.000 | 52.03 | 52.03 | 1.104 | 1.105 | NO | 100.6 | 101 | 0.0834 | |
| 207 | 2... 13C-PCB-189 | 6.95e5 | 0.44 | NO | 1.09 | 1.000 | 53.72 | 53.72 | 1.140 | 1.140 | NO | 99.84 | 99.8 | 0.0609 | |
| 208 | 2... 13C-PCB-202 | 9.02e5 | 0.96 | NO | 1.45 | 1.000 | 49.27 | 49.27 | 1.042 | 1.042 | NO | 97.44 | 97.4 | 0.0319 | |
| 209 | 2... 13C-PCB-194 | 6.05e5 | 0.86 | NO | 0.714 | 1.000 | 55.31 | 55.31 | 0.995 | 0.995 | NO | 96.92 | 96.9 | 0.0485 | |
| 210 | 2... 13C-PCB-208 | 7.80e5 | 0.76 | NO | 0.896 | 1.000 | 54.57 | 54.56 | 0.982 | 0.982 | NO | 99.51 | 99.5 | 0.0437 | |
| 211 | 2... 13C-PCB-206 | 5.65e5 | 0.80 | NO | 0.653 | 1.000 | 56.85 | 56.85 | 1.023 | 1.023 | NO | 98.96 | 99.0 | 0.0600 | |
| 212 | 2... 13C-PCB-209 | 7.07e5 | 1.19 | NO | 0.806 | 1.000 | 58.07 | 58.06 | 1.045 | 1.044 | NO | 100.4 | 100 | 0.00637 | |

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

Last Altered: Saturday, June 29, 2019 13:37:23 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:37:39 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

| # | Name | Resp | RA | n/y | RRF | w/vol | Pred.RT | RT | Pred.RRT | RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|-----|------------------|--------|------|-----|-------|-------|---------|-------|----------|-------|-----------|-------|------|--------|------|
| 213 | 2... 13C-PCB-15 | 1.85e6 | 1.59 | NO | 1.00 | 1.000 | 26.14 | 26.14 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0243 | |
| 214 | 2... 13C-PCB-31 | 1.48e6 | 0.97 | NO | 1.00 | 1.000 | 29.30 | 29.30 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.300 | |
| 215 | 2... 13C-PCB-60 | 1.26e6 | 0.76 | NO | 1.00 | 1.000 | 37.37 | 37.35 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0594 | |
| 216 | 2... 13C-PCB-111 | 1.18e6 | 1.61 | NO | 1.00 | 1.000 | 39.94 | 39.92 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0316 | |
| 217 | 2... 13C-PCB-128 | 6.62e5 | 1.26 | NO | 1.00 | 1.000 | 47.32 | 47.30 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0856 | |
| 218 | 2... 13C-PCB-182 | 6.38e5 | 0.45 | NO | 1.00 | 1.000 | 47.13 | 47.11 | 0.000 | 0.000 | NO | 100.0 | 100 | 0.0664 | |
| 219 | 2... 13C-PCB-205 | 8.75e5 | 0.91 | NO | 1.00 | 1.000 | 55.60 | 55.59 | 1.000 | 0.000 | NO | 100.0 | 100 | 0.0346 | |
| 220 | 2... 13C-PCB-79 | 1.34e6 | 0.76 | NO | 1.03 | 1.000 | 38.45 | 38.45 | 1.029 | 1.029 | NO | 103.2 | 103 | 0.0576 | 136 |
| 221 | 2... 13C-PCB-178 | 5.92e5 | 0.45 | NO | 0.875 | 1.000 | 46.56 | 46.56 | 0.988 | 0.988 | NO | 102.2 | 102 | 0.0727 | |
| 222 | 2... 13C-PCB-79 | 1.34e6 | 0.76 | NO | 1.05 | 1.000 | 38.45 | 38.45 | 0.968 | 0.968 | NO | 102.9 | 103 | 0.0588 | |
| 223 | 2... 13C-PCB-178 | 5.92e5 | 0.45 | NO | 0.975 | 1.000 | 46.58 | 46.56 | 0.924 | 0.924 | NO | 102.4 | 102 | 0.0765 | |

Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

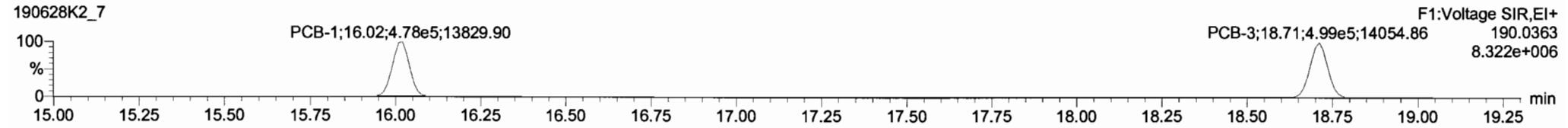
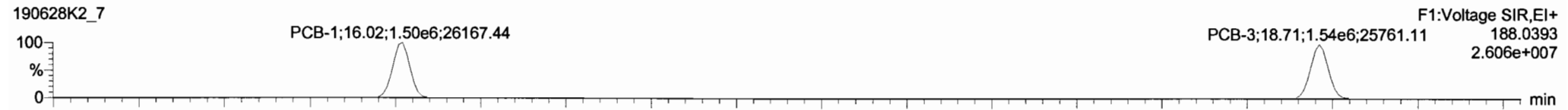
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_6-28-19.mdb 28 Jun 2019 14:45:02

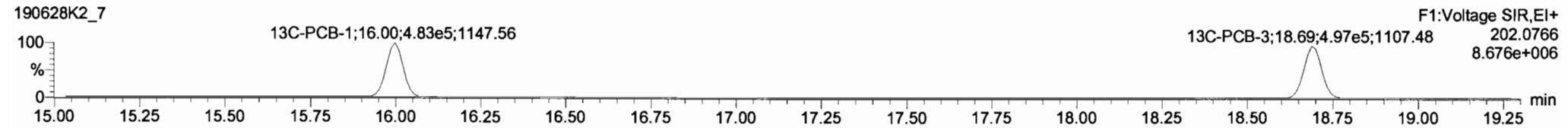
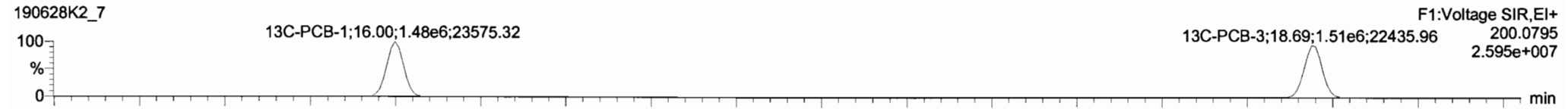
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

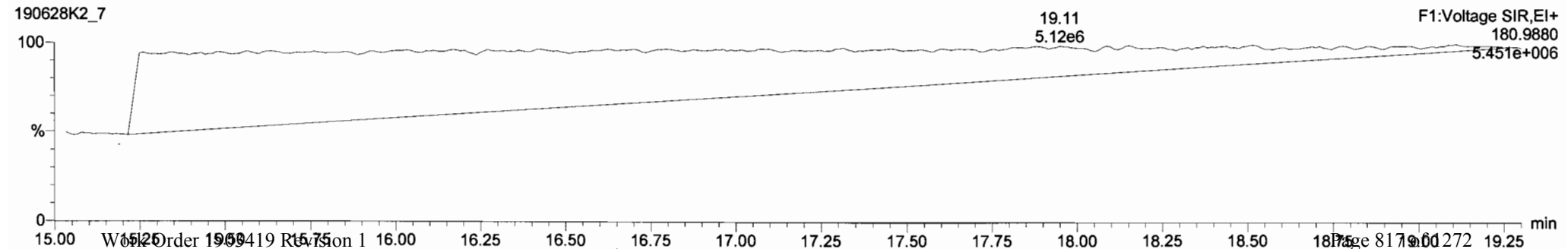
PCB-1



13C-PCB-1



PFK1



Dataset: Untitled

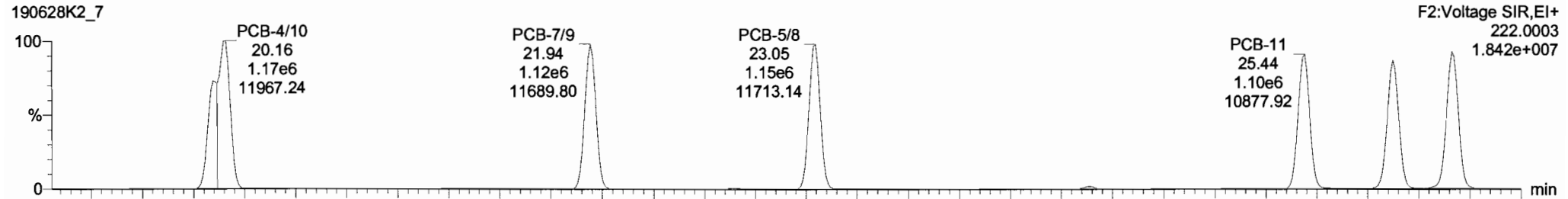
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

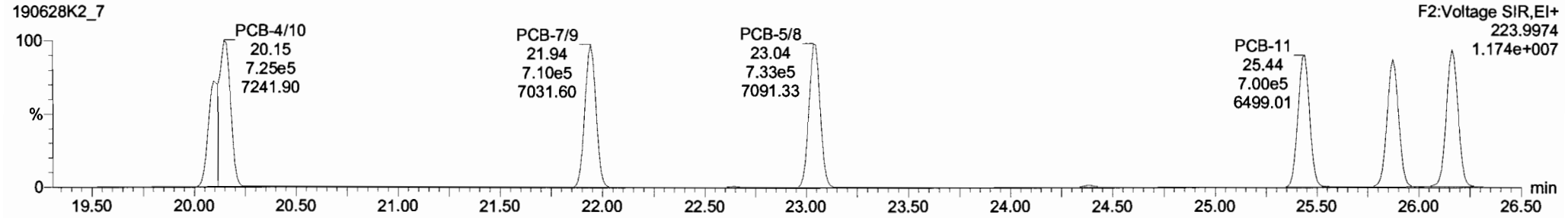
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-4/10

190628K2_7

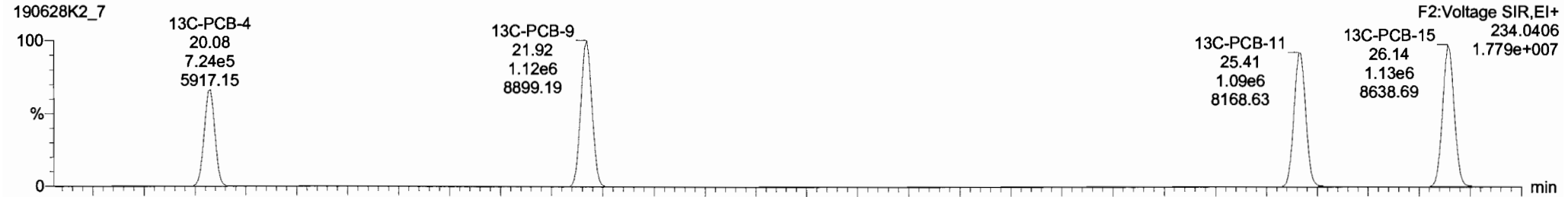


190628K2_7

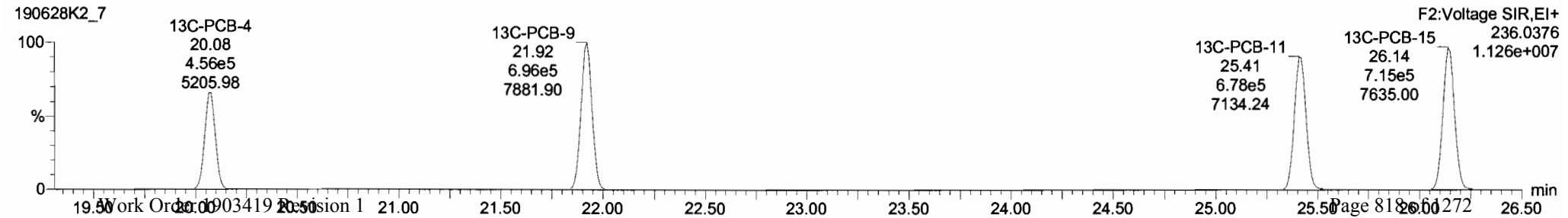


13C-PCB-4

190628K2_7



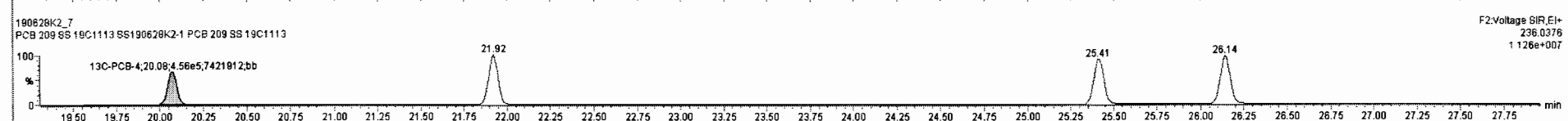
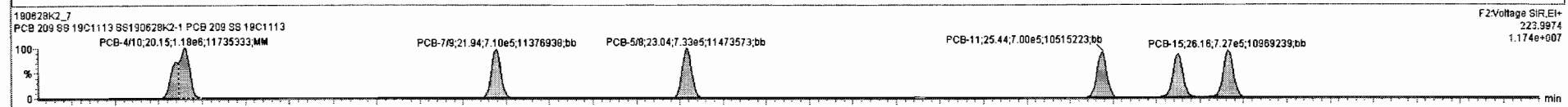
190628K2_7



190628K2_7 - SS190628K2-1 PCB 209 SS 19C1113 - PCB 209 SS 19C1113

| # | Name | Resp | RA | nY | RRF | wtNcl | Pred.RT | RT | Pred.R | RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|-----|-------------|--------|------|----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 221 | 13C-PCB-178 | 5.92e5 | 0.45 | NO | 0.8746 | 1.000 | 46.56 | 46.56 | 0.988 | 0.968 | NO | 102.2 | 102 | 0.0727 | |
| 222 | 13C-PCB-79 | 1.34e6 | 0.76 | NO | 1.0454 | 1.000 | 38.45 | 38.45 | 0.968 | 0.968 | NO | 102.9 | 103 | 0.0588 | |
| 223 | 13C-PCB-178 | 5.92e5 | 0.45 | NO | 0.9749 | 1.000 | 46.56 | 46.56 | 0.924 | 0.924 | NO | 102.4 | 102 | 0.0765 | |
| 224 | 224 | | | | 1.0122 | 1.000 | 0.00 | | 0.000 | | NO | 199.8 | | 0.0262 | 199.8 |
| 225 | 225 | | | | 1.0592 | 1.000 | 0.00 | | 0.000 | | NO | 697.7 | | 0.182 | 697.7 |
| 226 | 226 | | | | 0.9137 | 1.000 | 0.00 | | 0.000 | | NO | 94.54 | | 0.0760 | 94.54 |
| 227 | 227 | | | | 1.0563 | 1.000 | 0.00 | | 0.000 | | NO | 273.8 | | 0.346 | 273.8 |
| 228 | 228 | | | | 0.9861 | 1.000 | 0.00 | | 0.000 | | NO | 572.7 | | 0.968 | 572.9 |
| 229 | 229 | | | | 1.1154 | 1.000 | 0.00 | | 0.000 | | NO | 428.7 | | 0.597 | 428.8 |
| 230 | 230 | | | | 1.1112 | 1.000 | 0.00 | | 0.000 | | NO | 144.7 | | 0.121 | 144.7 |
| 231 | 231 | | | | 0.7739 | 1.000 | 0.00 | | 0.000 | | NO | 103.2 | | 0.180 | 103.4 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | nY | EMPC | Conc |
|---|-----------|---------|-------|---------|---------|-----------------|------|----|--------|--------|
| 4 | PCB-4/10 | 20.16 | 20.16 | 1.862e6 | 1.176e6 | 1.560 | 1.58 | NO | 201.92 | 201.92 |
| 5 | PCB-7/9 | 21.98 | 21.94 | 1.117e6 | 7.095e5 | 1.560 | 1.57 | NO | 103.27 | 103.27 |
| 3 | PCB-5/8 | 23.04 | 23.05 | 1.151e6 | 7.334e5 | 1.560 | 1.57 | NO | 102.84 | 102.84 |
| 4 | PCB-11 | 25.43 | 25.44 | 1.103e6 | 6.997e5 | 1.560 | 1.58 | NO | 93.039 | 93.039 |
| 5 | PCB-12/13 | 26.80 | 26.87 | 1.050e6 | 6.717e5 | 1.560 | 1.56 | NO | 93.880 | 93.880 |
| 6 | PCB-15 | 26.16 | 26.16 | 1.141e6 | 7.272e5 | 1.560 | 1.57 | NO | 102.75 | 102.75 |



Dataset: Untitled

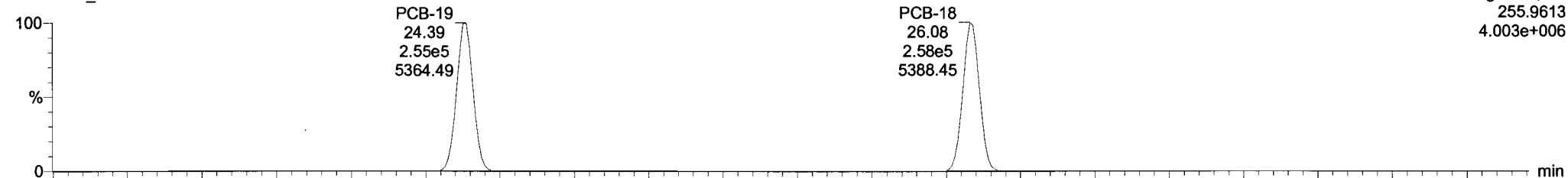
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

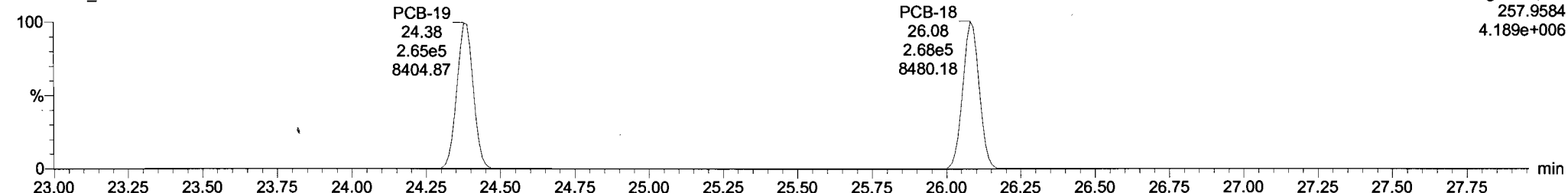
PCB-19

190628K2_7



F2:Voltage SIR,EI+
255.9613
4.003e+006

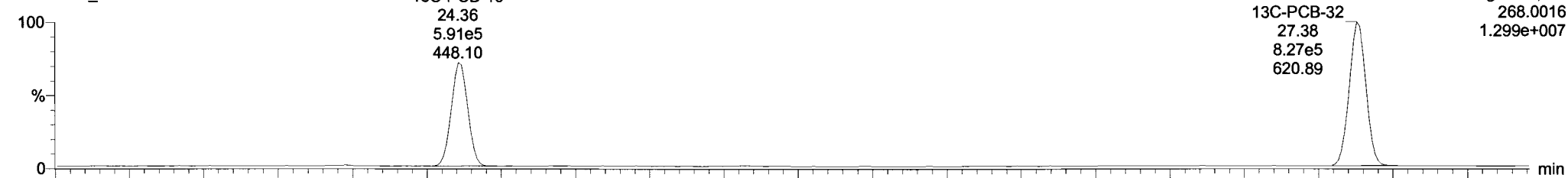
190628K2_7



F2:Voltage SIR,EI+
257.9584
4.189e+006

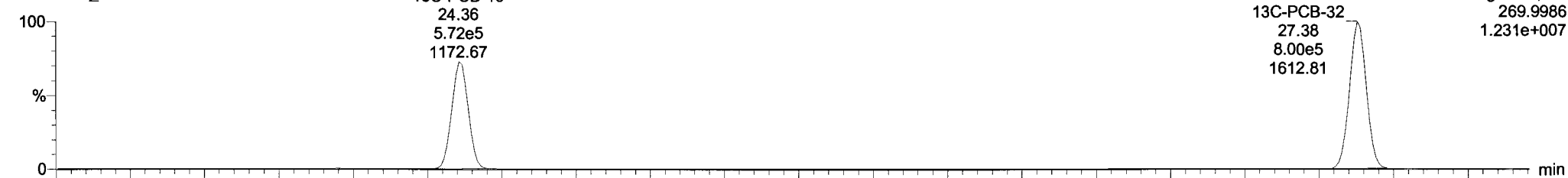
13C-PCB-19

190628K2_7



F2:Voltage SIR,EI+
268.0016
1.299e+007

190628K2_7



F2:Voltage SIR,EI+
269.9986
1.231e+007

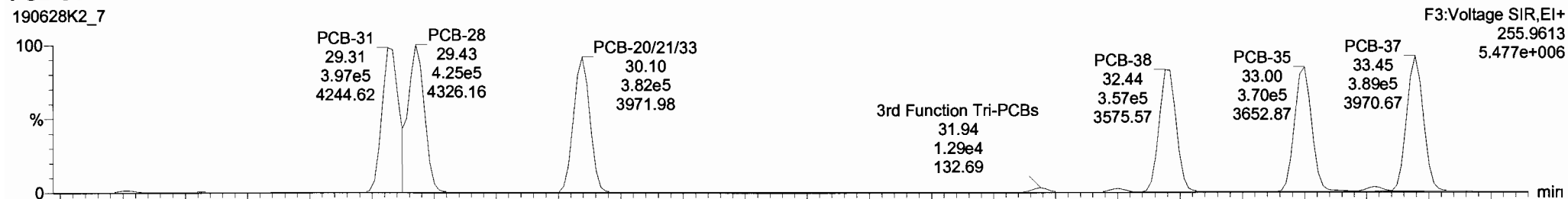
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

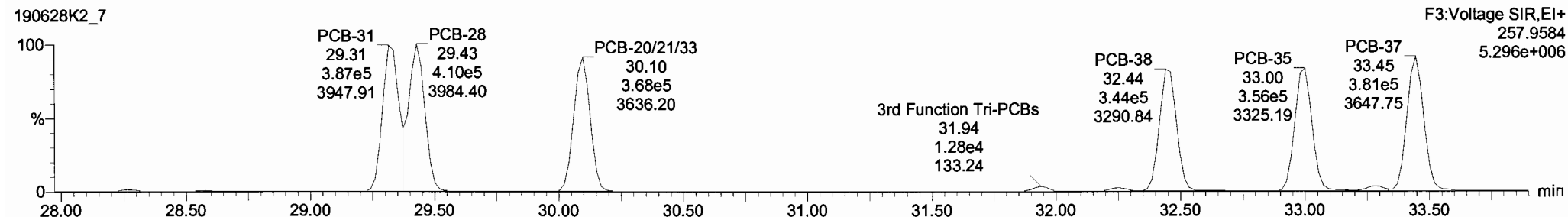
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-34

190628K2_7

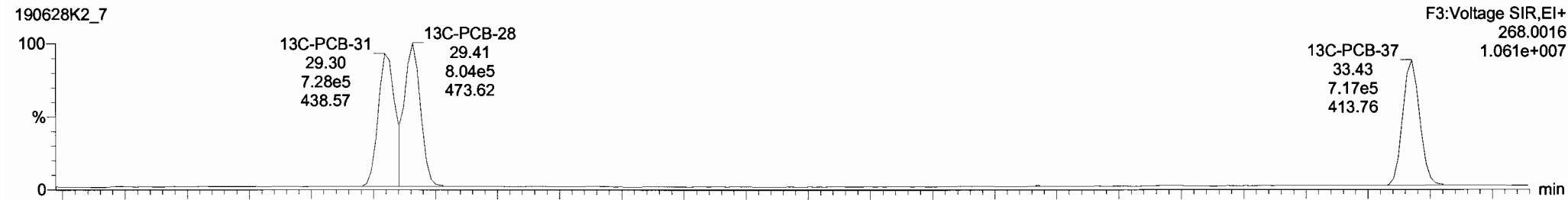


190628K2_7



13C-PCB-28

190628K2_7



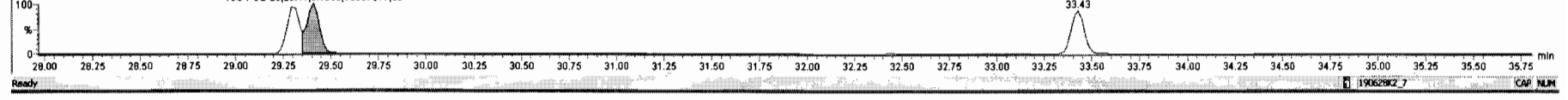
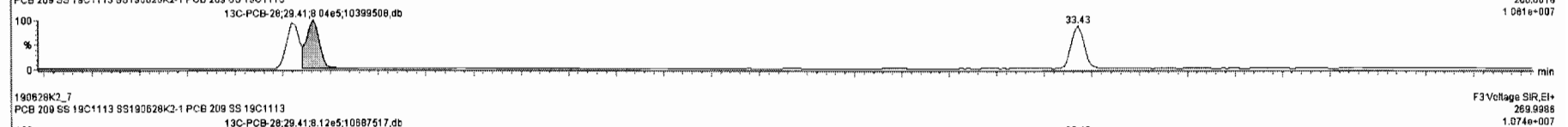
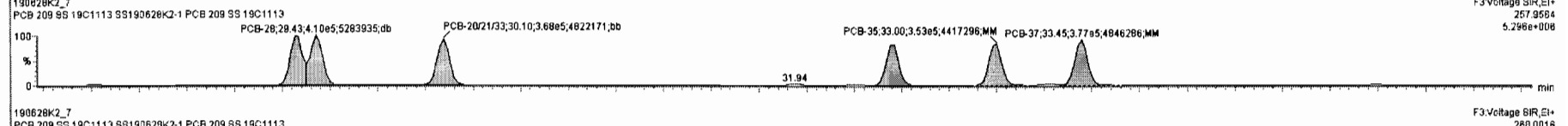
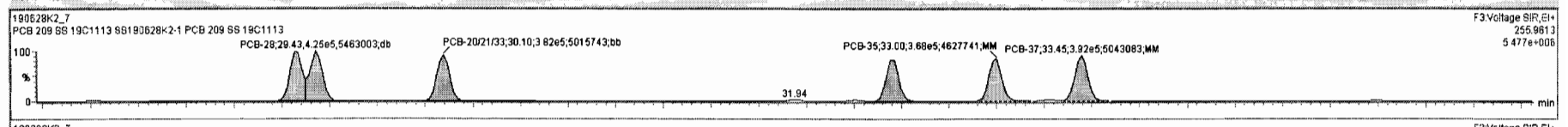
190628K2_7



190628K2_7 - SS190628K2-1 PCB 209 SS 19C1113 - PCB 209 SS 19C1113

| # | Name | Resp | RA | n/y | RF | w/Vol | Pred RT | RT | Pred.R | RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 221 | 13C-PCB-178 | 5.92e5 | 0.45 | NO | 0.8746 | 1.000 | 46.58 | 46.58 | 0.988 | 0.988 | NO | 102.2 | 102 | 0.0727 | |
| 222 | 13C-PCB-79 | 1.34e6 | 0.76 | NO | 1.0454 | 1.000 | 36.45 | 36.45 | 0.968 | 0.968 | NO | 102.9 | 103 | 0.0586 | |
| 223 | 13C-PCB-178 | 5.92e5 | 0.45 | NO | 0.9749 | 1.000 | 46.58 | 46.58 | 0.924 | 0.924 | NO | 102.4 | 102 | 0.0765 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 199.8 | | 0.0282 | 199.8 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 697.7 | | 0.182 | 697.7 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 94.54 | | 0.0760 | 94.54 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 272.2 | | 0.346 | 272.2 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9861 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 572.7 | | 0.998 | 572.9 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 428.7 | | 0.587 | 428.8 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 144.7 | | 0.121 | 144.7 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.00 | 0.000 | | NO | 103.2 | | 0.180 | 103.4 |

| # | Name | Pred RT | RT | m1 Resp | m2 Resp | 1* Ratio (Pred) | RA | n/y | EMPC | Conc |
|---|-----------------|---------|-------|---------|---------|-----------------|------|-----|--------|--------|
| 1 | 23 PCB-31 | 29.31 | 29.31 | 3.972e5 | 3.867e5 | 1.040 | 1.03 | NO | 43.205 | 43.205 |
| 2 | 24 PCB-28 | 28.43 | 28.43 | 4.250e5 | 4.097e5 | 1.040 | 1.04 | NO | 46.723 | 46.723 |
| 3 | 25 PCB-20/21/33 | 30.05 | 30.10 | 3.818e5 | 3.681e5 | 1.040 | 1.04 | NO | 46.246 | 46.246 |
| 4 | 29 PCB-36 | 32.46 | 32.44 | 3.574e5 | 3.439e5 | 1.040 | 1.04 | NO | 43.258 | 43.258 |
| 5 | 30 PCB-35 | 33.00 | 33.00 | 3.885e5 | 3.534e5 | 1.040 | 1.04 | NO | 44.382 | 44.382 |
| 6 | 31 PCB-37 | 33.46 | 33.45 | 3.920e5 | 3.774e5 | 1.040 | 1.04 | NO | 46.420 | 46.420 |



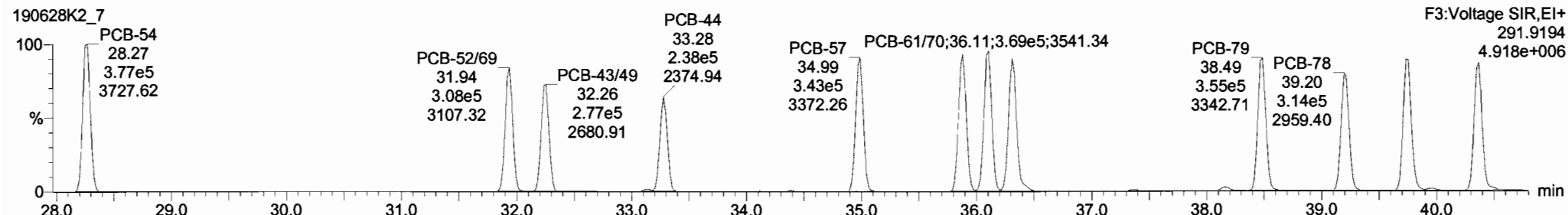
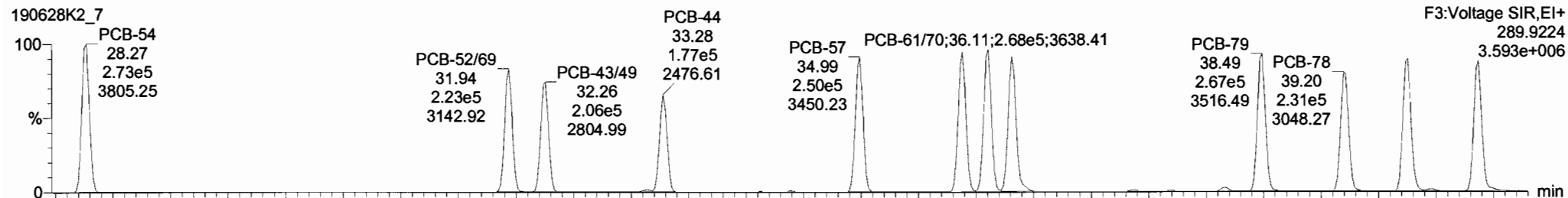
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

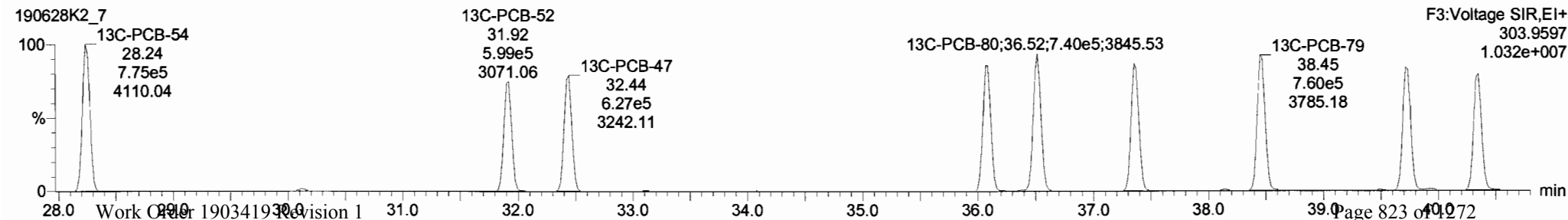
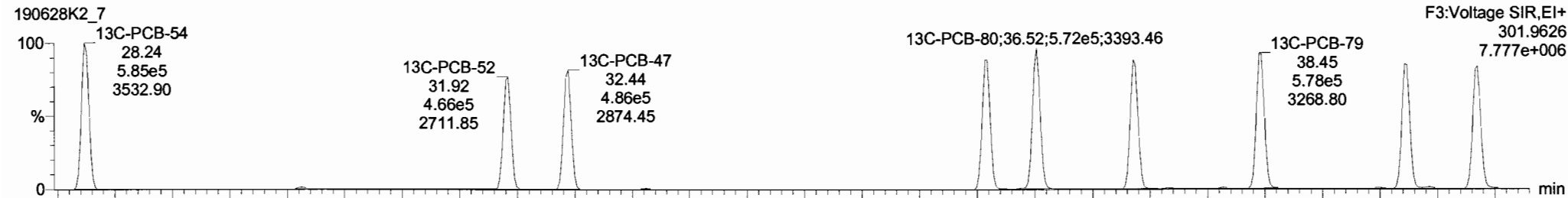
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-54



13C-PCB-54

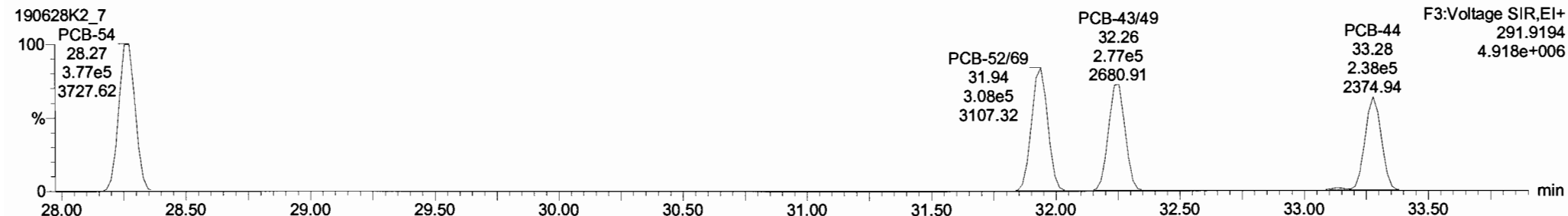


Dataset: Untitled

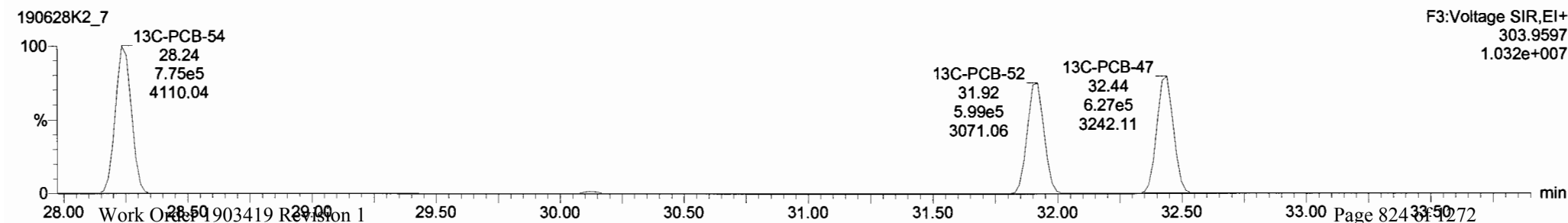
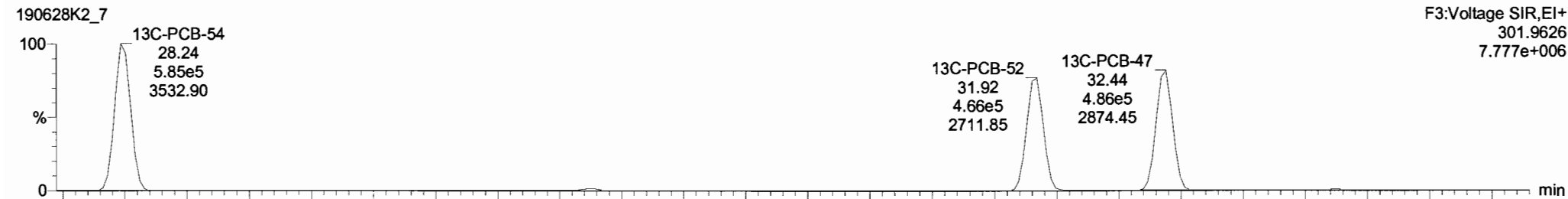
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-50



13C-PCB-52



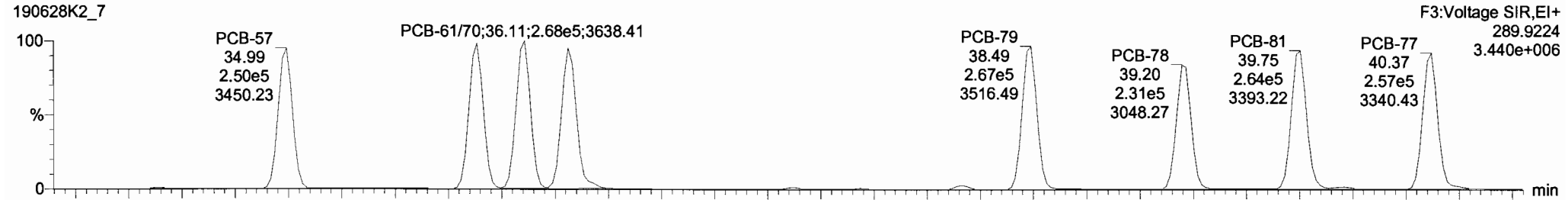
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

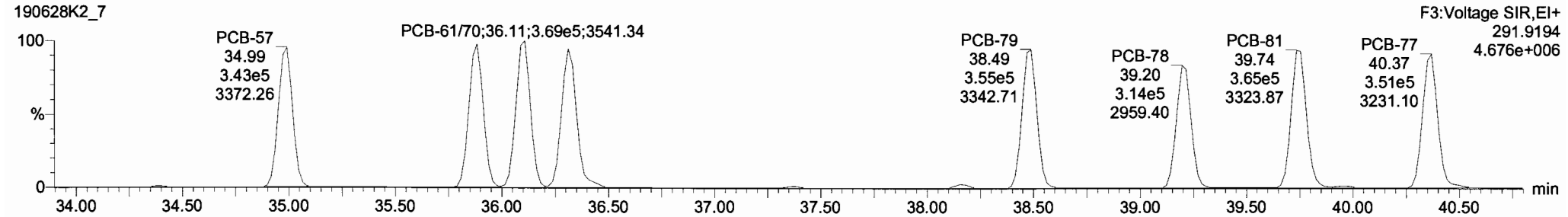
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-68

190628K2_7

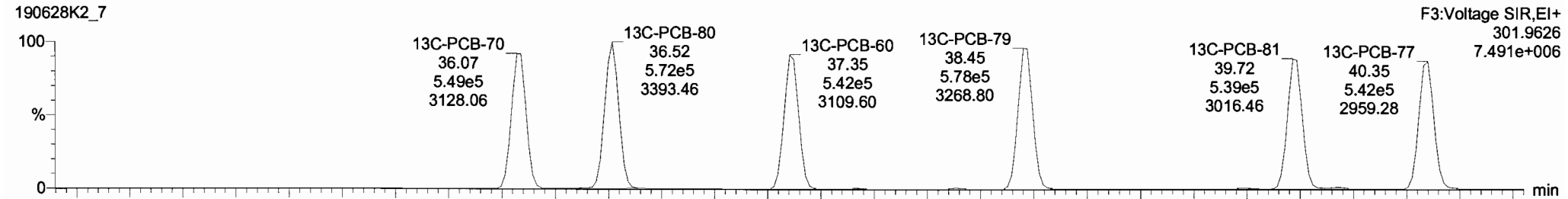


190628K2_7

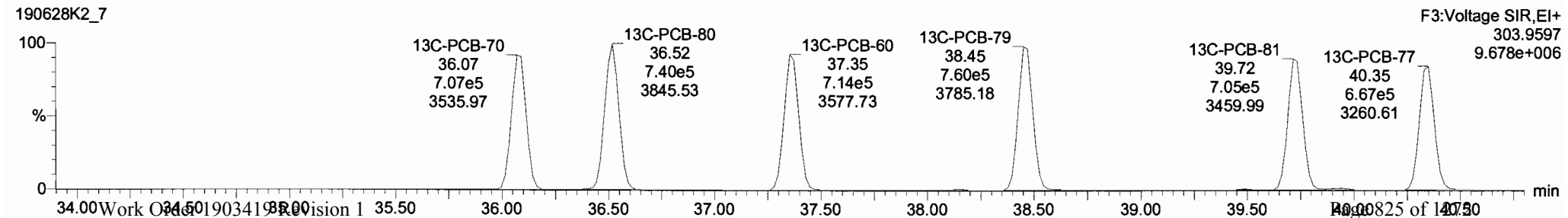


13C-PCB-60

190628K2_7

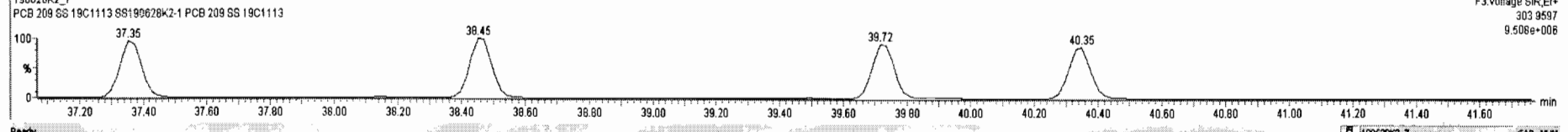
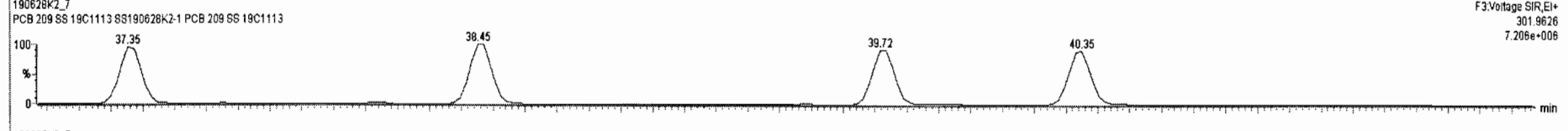
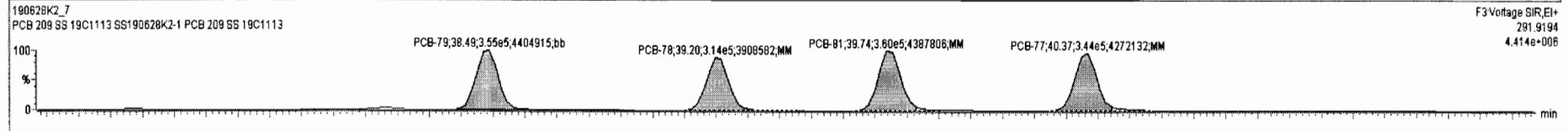
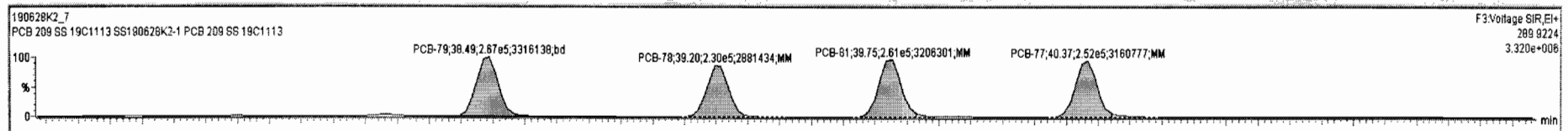


190628K2_7



| # | Name | Resp | RA | n/y | RRF | wtVol | Pred.RT | RT | Pred.R | RRR | RRR Fail | Conc. | %Rec | DL | EMPC |
|-----|-----------------------------|--------|------|-----|--------|-------|---------|-------|--------|-------|----------|-------|------|--------|-------|
| 221 | 221 13C-PCB-178 | 5.92e5 | 0.45 | NO | 0.6746 | 1.000 | 46.56 | 46.56 | 0.968 | 0.968 | NO | 102.2 | 102 | 0.0727 | |
| 222 | 222 13C-PCB-79 | 1.3466 | 0.76 | NO | 1.0454 | 1.000 | 38.45 | 38.45 | 0.968 | 0.968 | NO | 102.9 | 103 | 0.0588 | |
| 223 | 223 13C-PCB-178 | 5.92e5 | 0.45 | NO | 0.9749 | 1.000 | 46.58 | 46.56 | 0.924 | 0.924 | NO | 102.4 | 102 | 0.0765 | |
| 224 | 224 Total Mono-PCBs | | | | 1.0122 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 199.8 | | 0.0262 | 199.8 |
| 225 | 225 Total Di-PCBs | | | | 1.0592 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 697.7 | | 0.182 | 697.7 |
| 226 | 226 2nd Function Tri-PCBs | | | | 0.9137 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 94.54 | | 0.0760 | 94.54 |
| 227 | 227 3rd Function Tri-PCBs | | | | 1.0563 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 272.2 | | 0.346 | 272.2 |
| 228 | 228 Total Tetra-PCBs | | | | 0.9661 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 568.4 | | 0.906 | 568.4 |
| 229 | 229 3rd Function Penta-PCBs | | | | 1.1154 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 428.7 | | 0.597 | 428.8 |
| 230 | 230 4th Function Penta-PCBs | | | | 1.1112 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 144.7 | | 0.121 | 144.7 |
| 231 | 231 3rd Function Hexa-PCBs | | | | 0.7739 | 1.000 | 0.00 | 0.00 | 0.000 | 0.000 | NO | 103.2 | | 0.180 | 103.4 |

| # | Name | Pred.RT | RT | m1 Resp | m2 Resp | * Ratio (Pred) | RA | n/y | EMPC | Conc. |
|----|--------------|---------|-------|---------|---------|----------------|------|-----|--------|--------|
| 6 | 54 PCB-74 | 35.86 | 35.88 | 2.619e5 | 3.563e5 | 0.770 | 0.73 | NO | 46.188 | 46.188 |
| 7 | 55 PCB-61/70 | 36.09 | 36.11 | 2.675e5 | 3.687e5 | 0.770 | 0.73 | NO | 51.400 | 51.400 |
| 8 | 56 PCB-76/66 | 36.29 | 36.31 | 2.626e5 | 3.623e5 | 0.770 | 0.73 | NO | 46.689 | 46.689 |
| 9 | 60 PCB-79 | 38.46 | 38.49 | 2.674e5 | 3.554e5 | 0.770 | 0.75 | NO | 45.436 | 45.436 |
| 10 | 61 PCB-78 | 39.20 | 39.20 | 2.303e5 | 3.136e5 | 0.770 | 0.73 | NO | 42.366 | 42.366 |
| 11 | 62 PCB-81 | 39.73 | 39.75 | 2.610e5 | 3.606e5 | 0.770 | 0.72 | NO | 53.498 | 53.498 |
| 12 | 63 PCB-77 | 40.37 | 40.37 | 2.515e5 | 3.441e5 | 0.770 | 0.73 | NO | 47.720 | 47.720 |



Dataset: Untitled

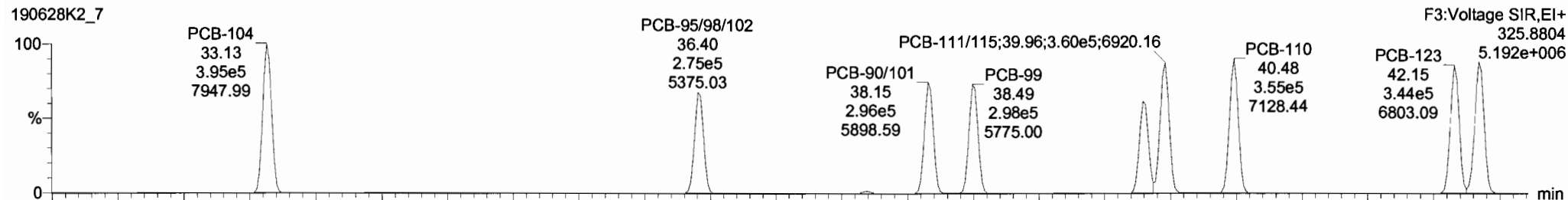
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

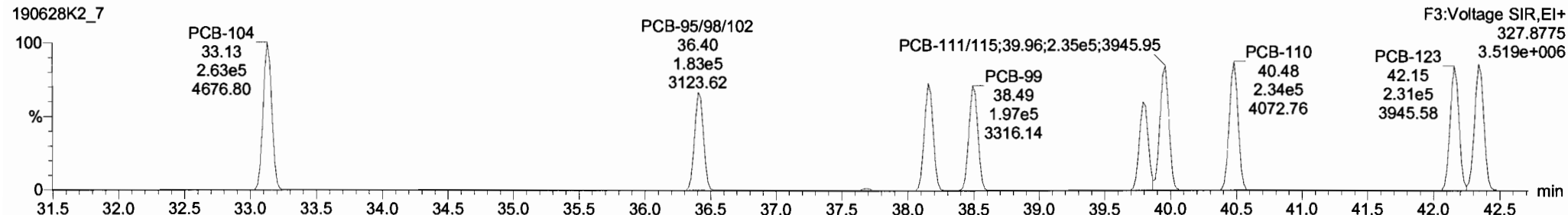
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-104

190628K2_7

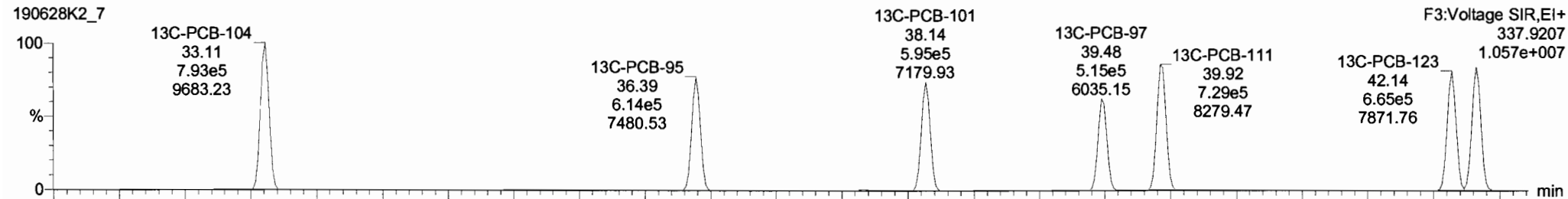


190628K2_7

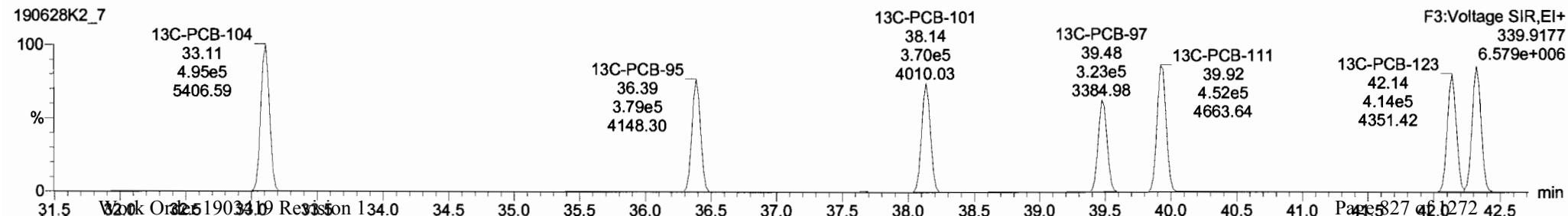


13C-PCB-104

190628K2_7



190628K2_7



Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

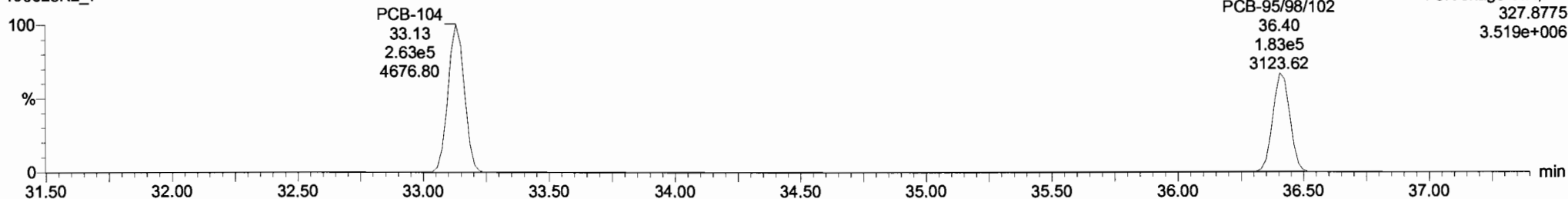
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-96

190628K2_7

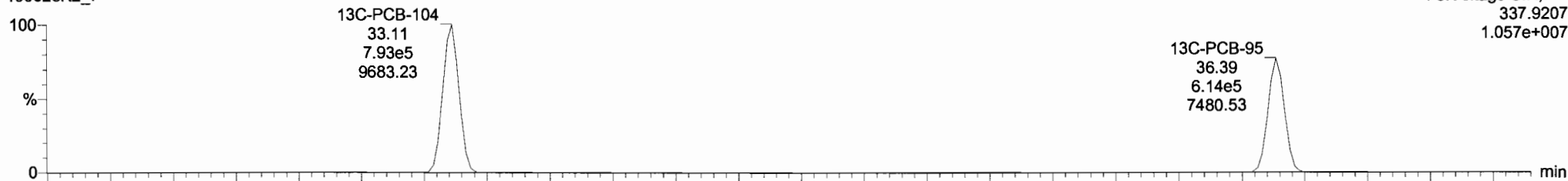


190628K2_7

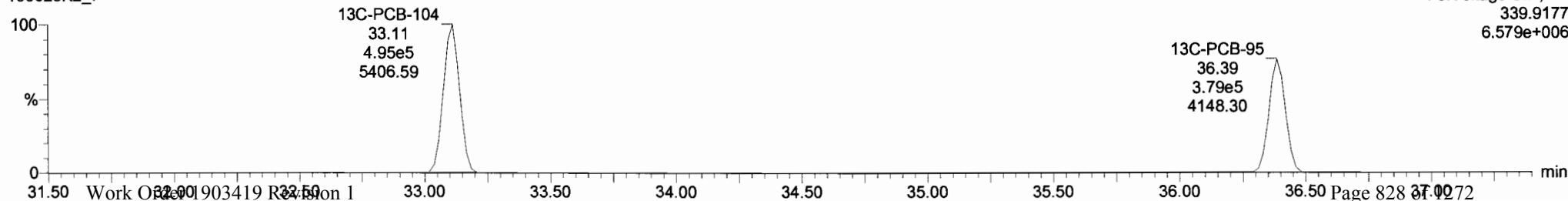


13C-PCB-95

190628K2_7



190628K2_7



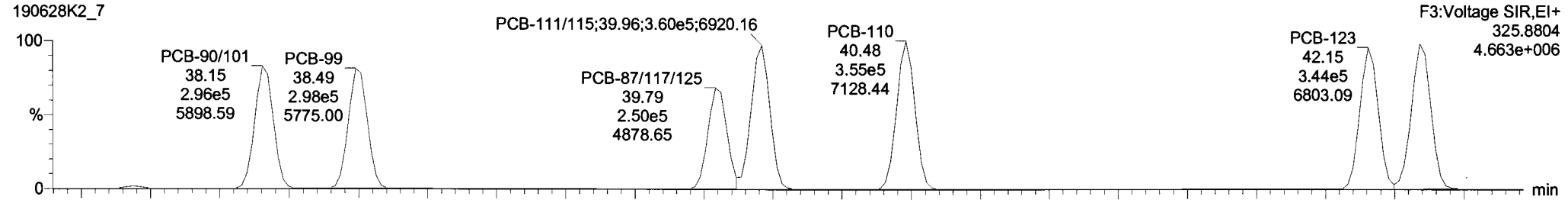
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

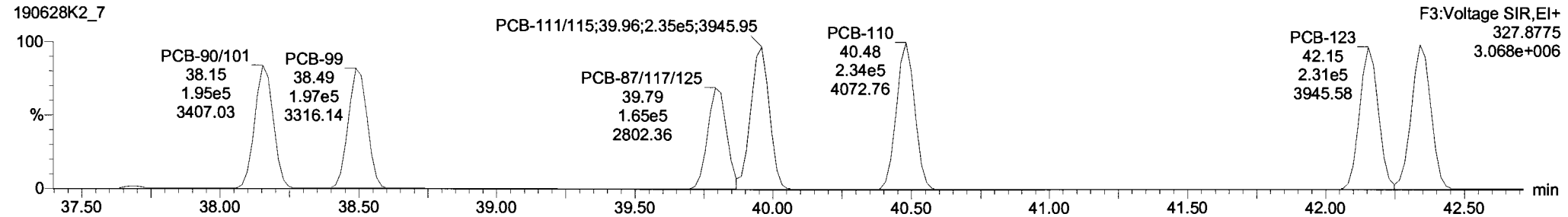
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-119

190628K2_7

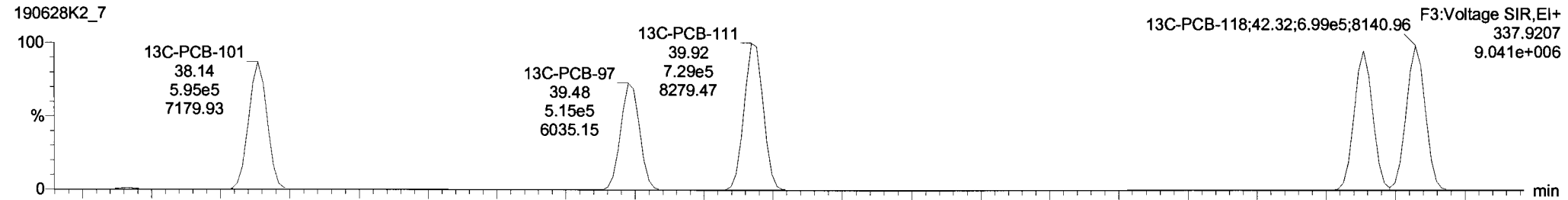


190628K2_7

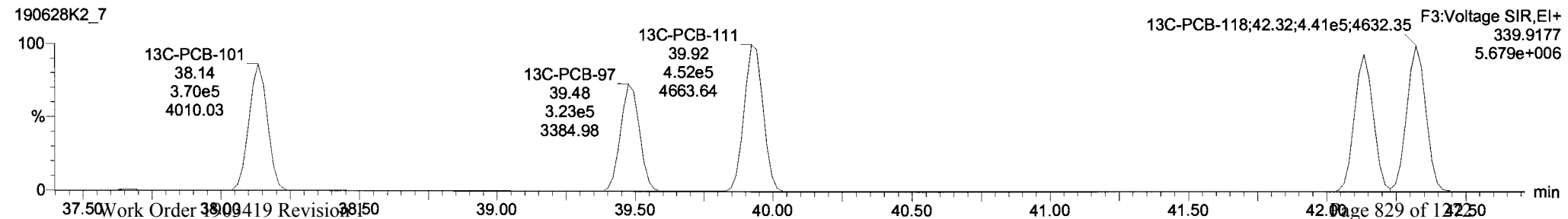


13C-PCB-111

190628K2_7



190628K2_7

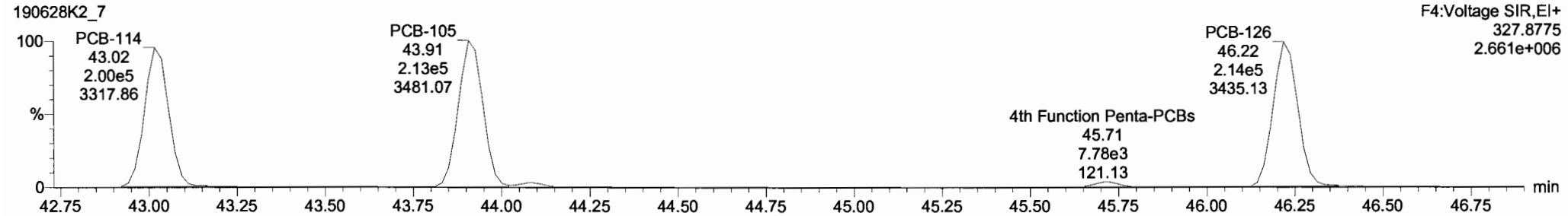
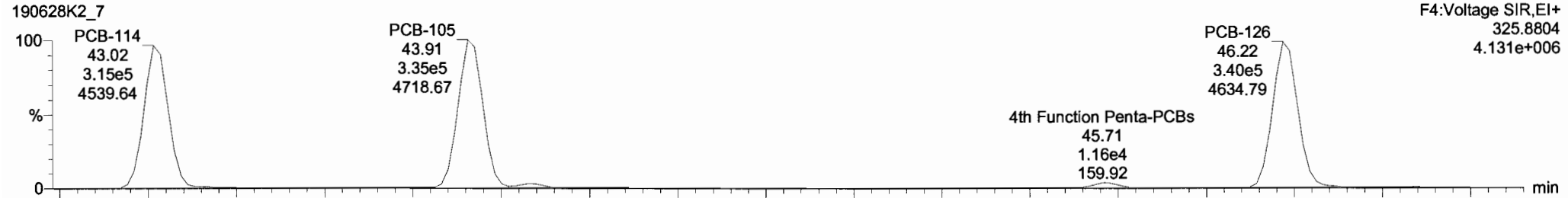


Dataset: Untitled

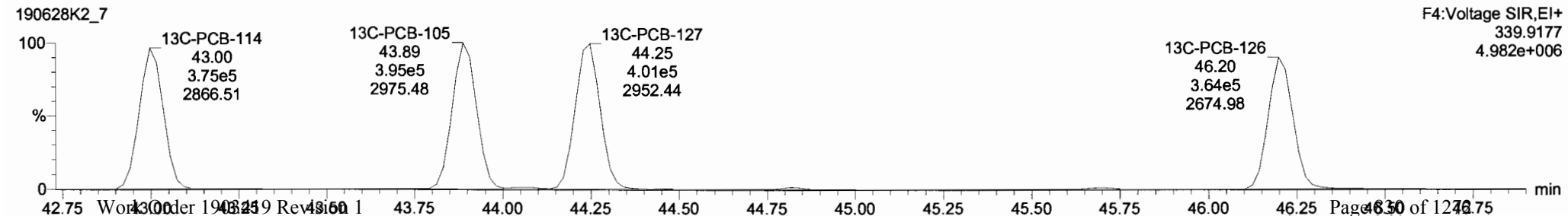
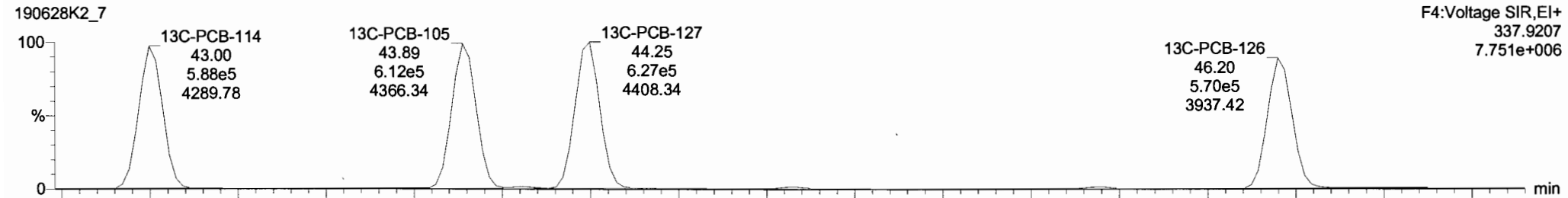
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-114



13C-PCB-114



Dataset: Untitled

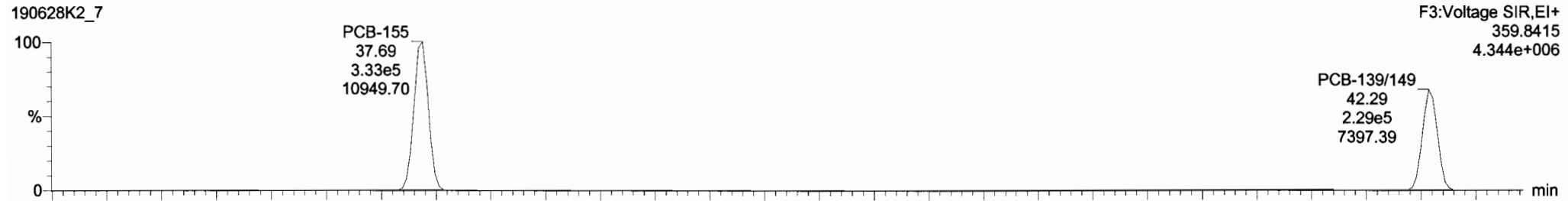
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

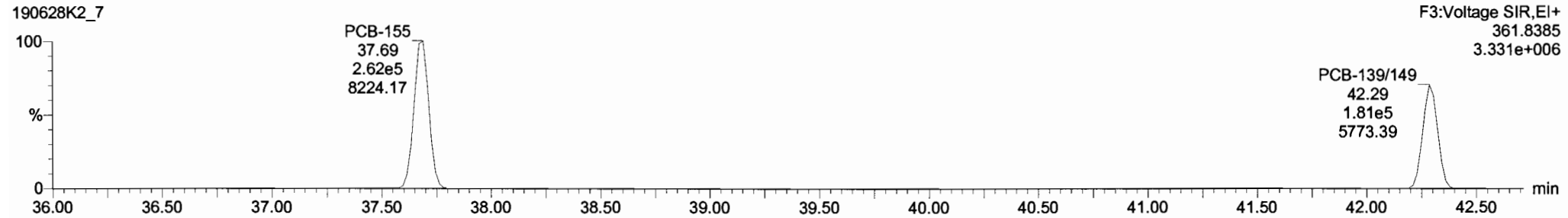
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-155

190628K2_7

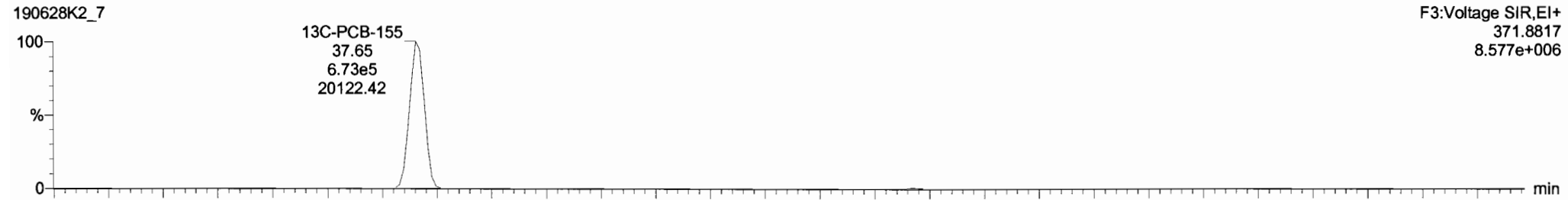


190628K2_7

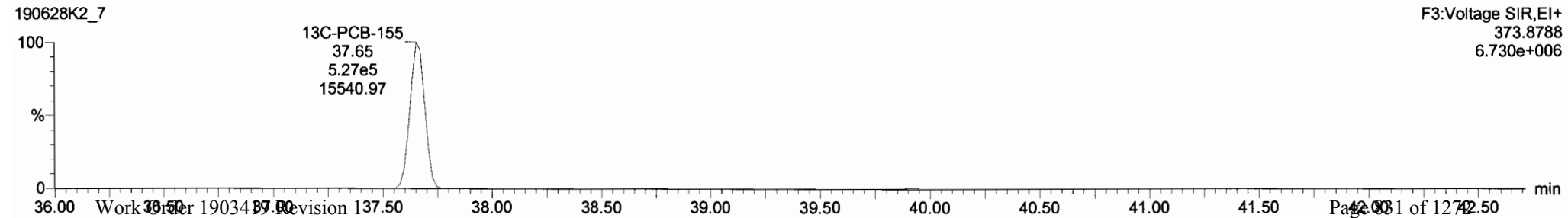


13C-PCB-155

190628K2_7



190628K2_7

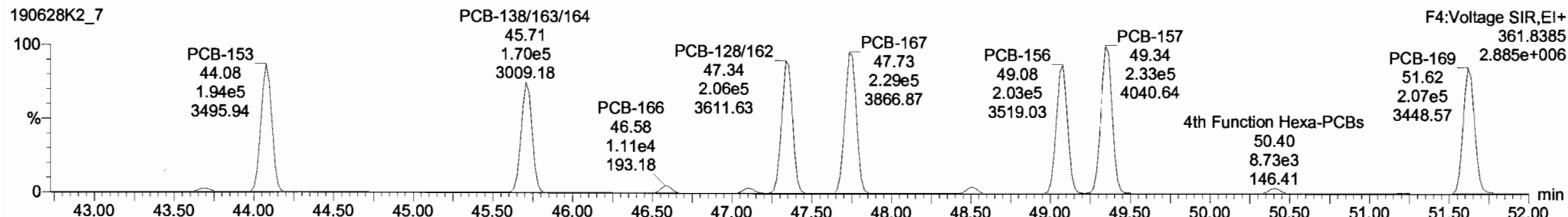
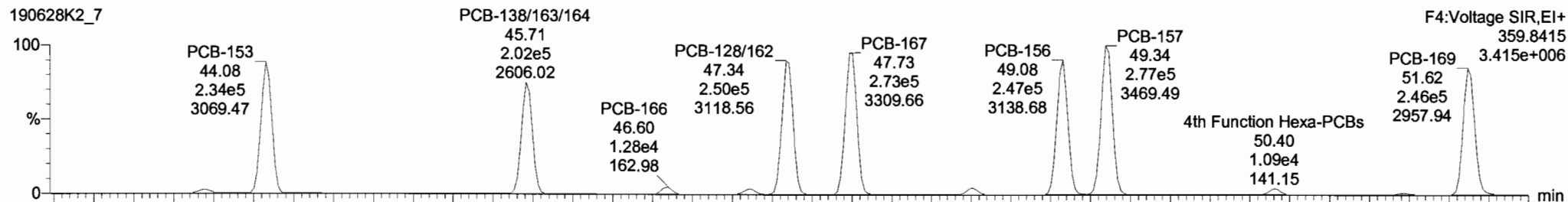


Dataset: Untitled

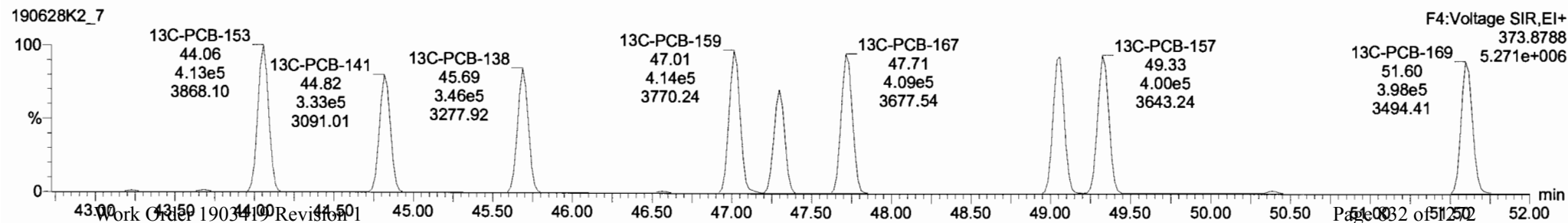
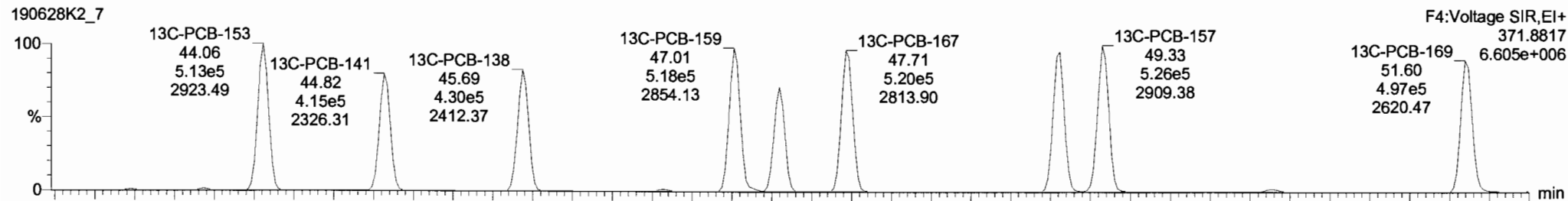
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-134/143



13C-PCB-153

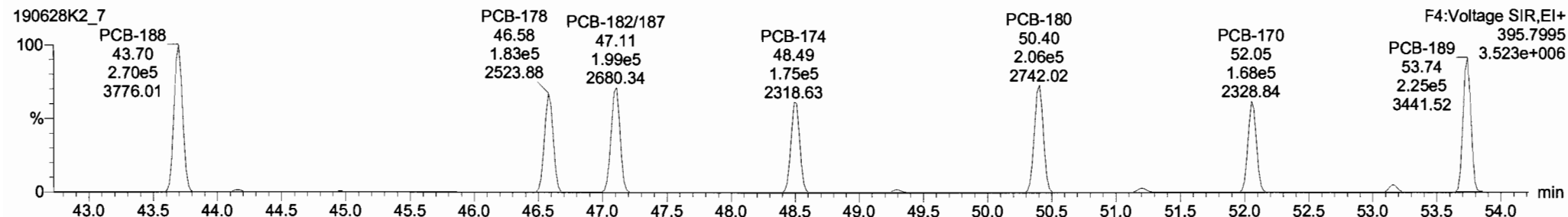
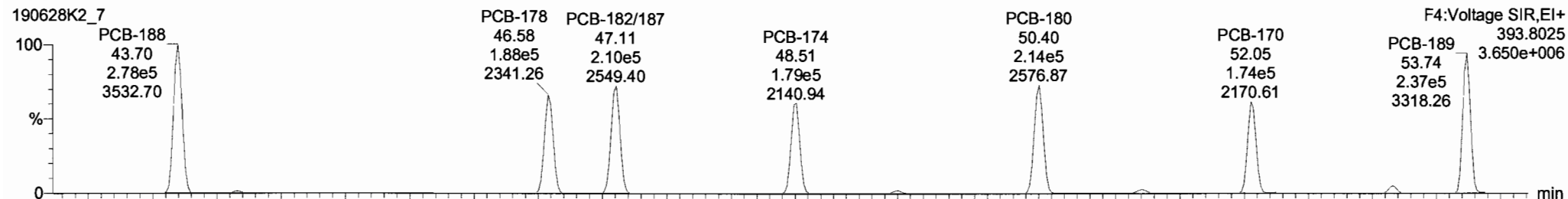


Dataset: Untitled

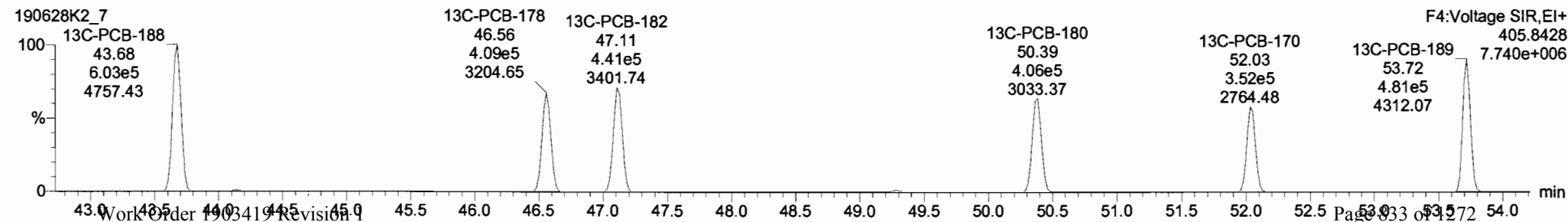
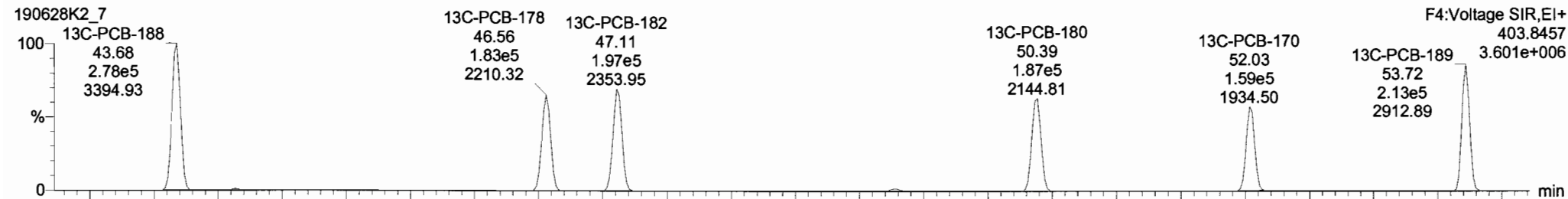
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-188



13C-PCB-188



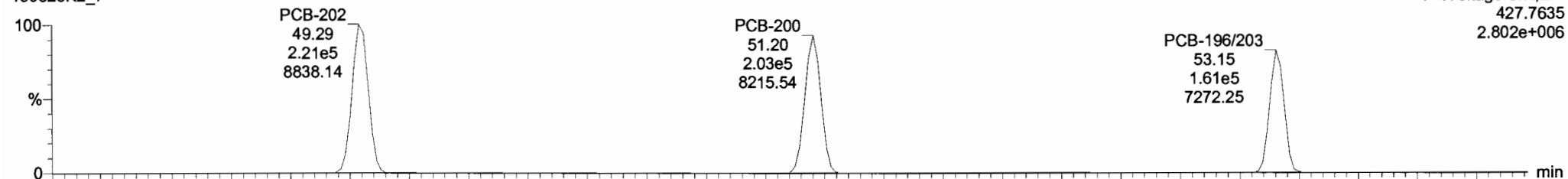
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

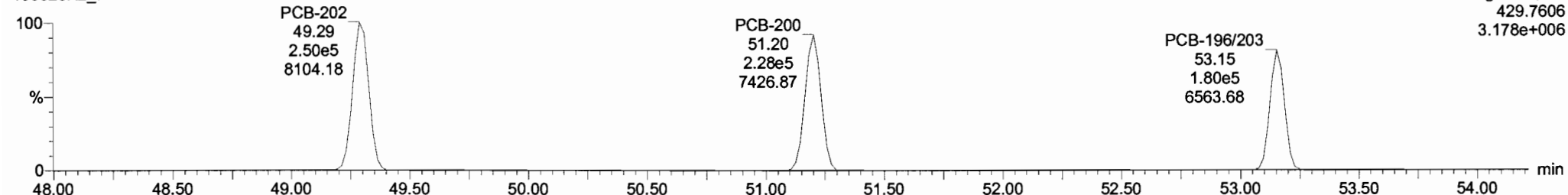
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-202

190628K2_7

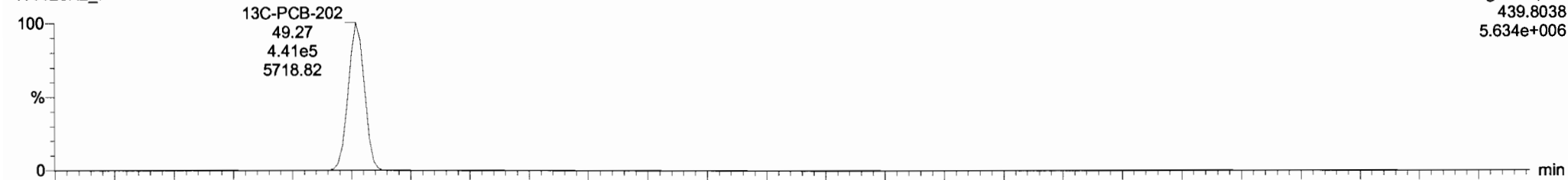


190628K2_7

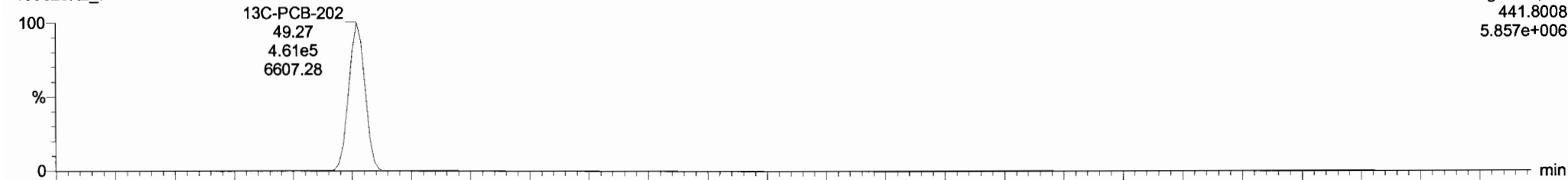


13C-PCB-202

190628K2_7



190628K2_7



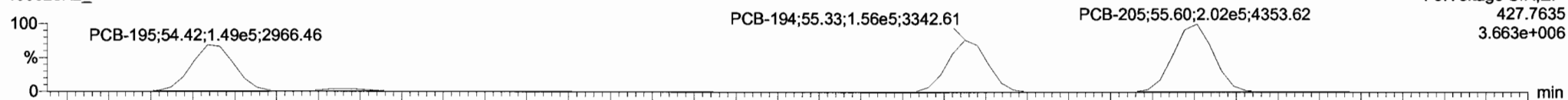
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

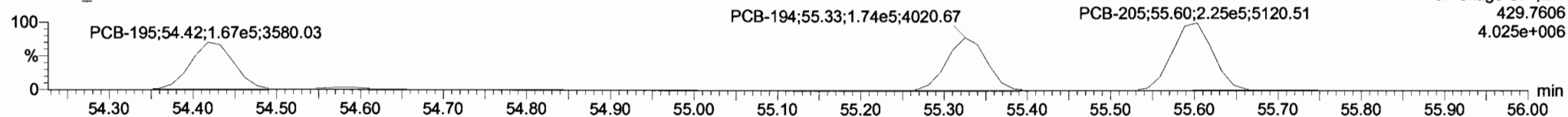
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-195

190628K2_7

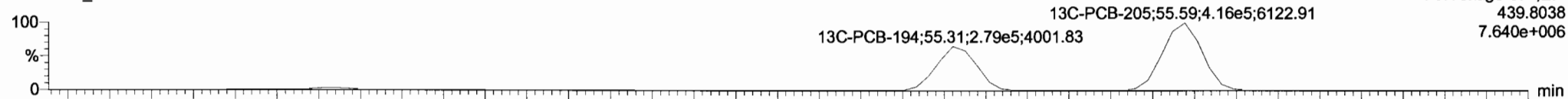


190628K2_7

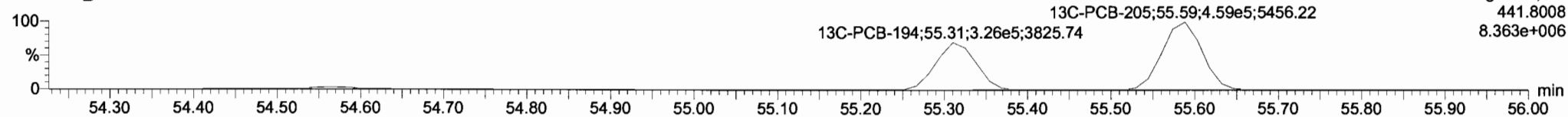


13C-PCB-194

190628K2_7

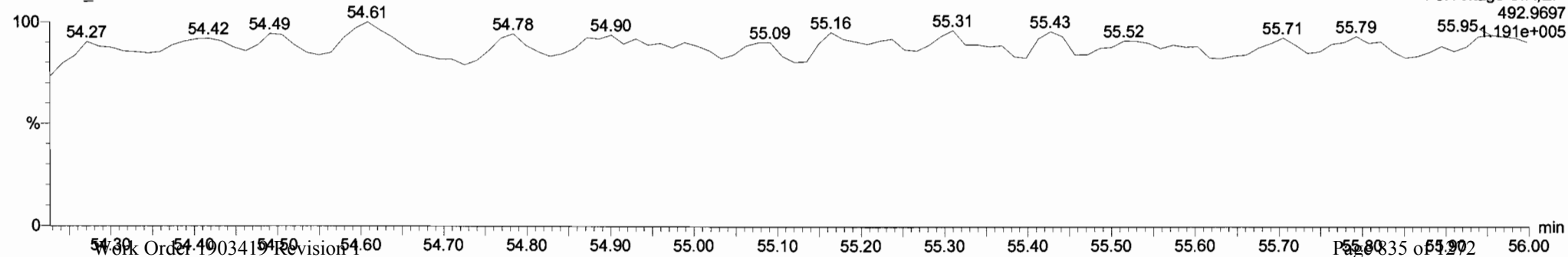


190628K2_7



PFK5

190628K2_7

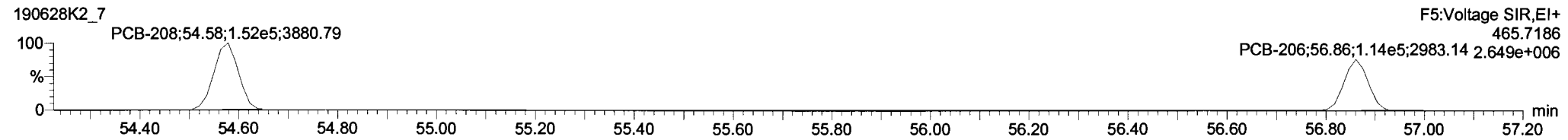
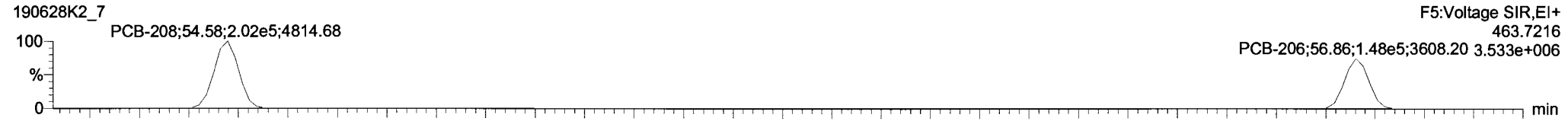


Dataset: Untitled

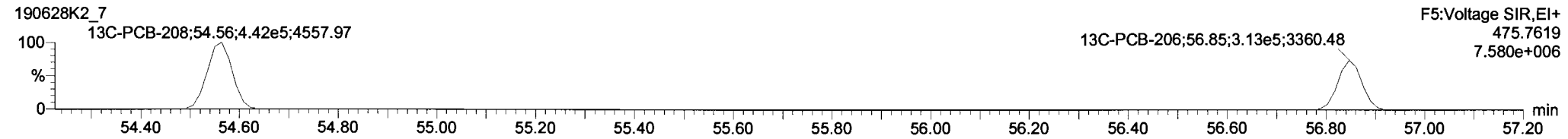
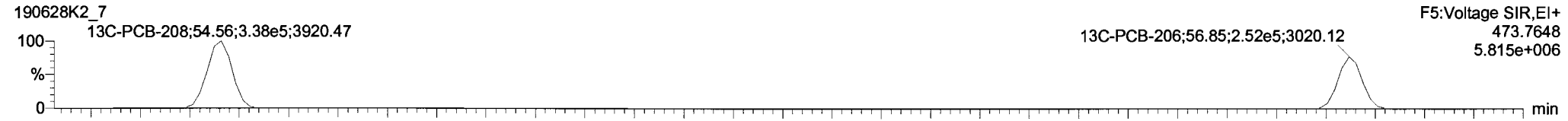
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

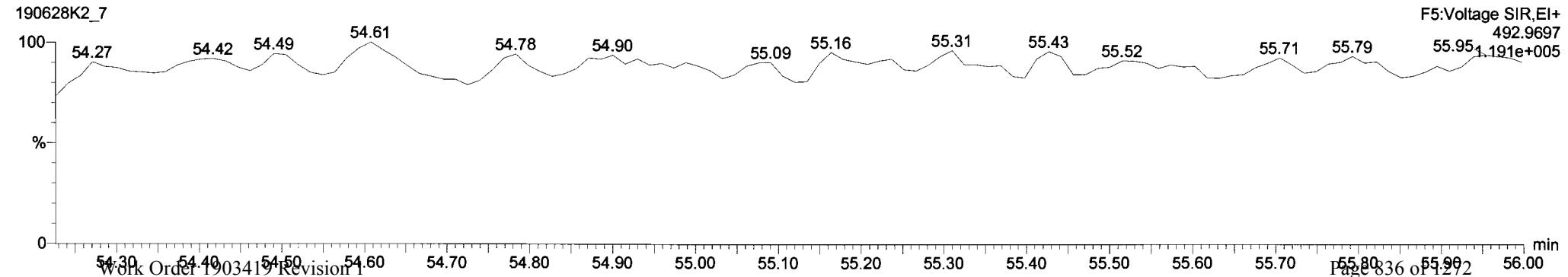
PCB-208



13C-PCB-208



PFK5



Dataset: Untitled

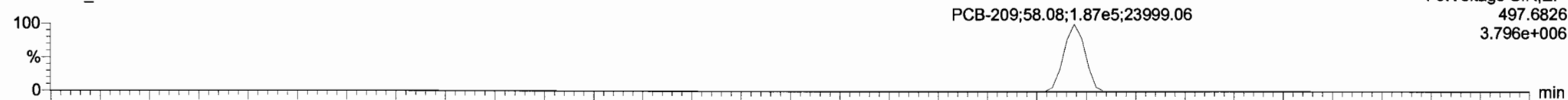
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

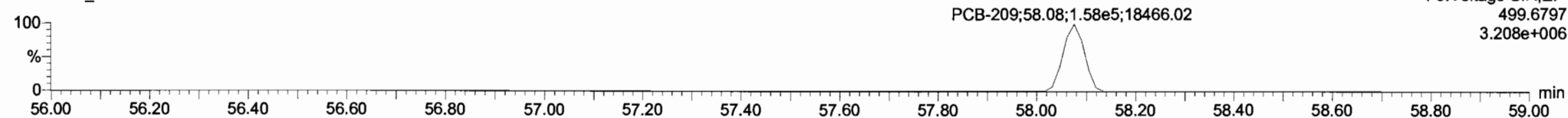
PCB-209

190628K2_7



F5:Voltage SIR,EI+
497.6826
3.796e+006

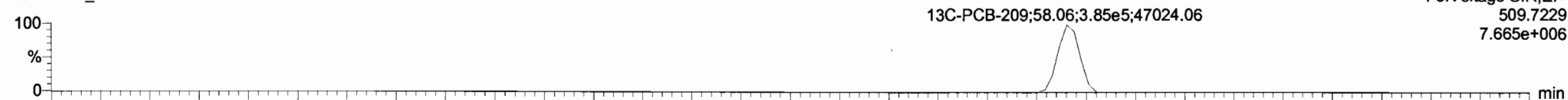
190628K2_7



F5:Voltage SIR,EI+
499.6797
3.208e+006

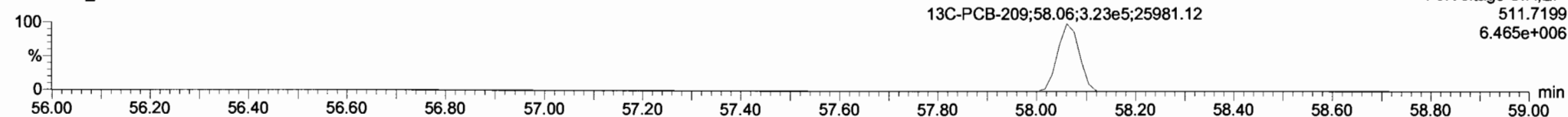
13C-PCB-209

190628K2_7



F5:Voltage SIR,EI+
509.7229
7.665e+006

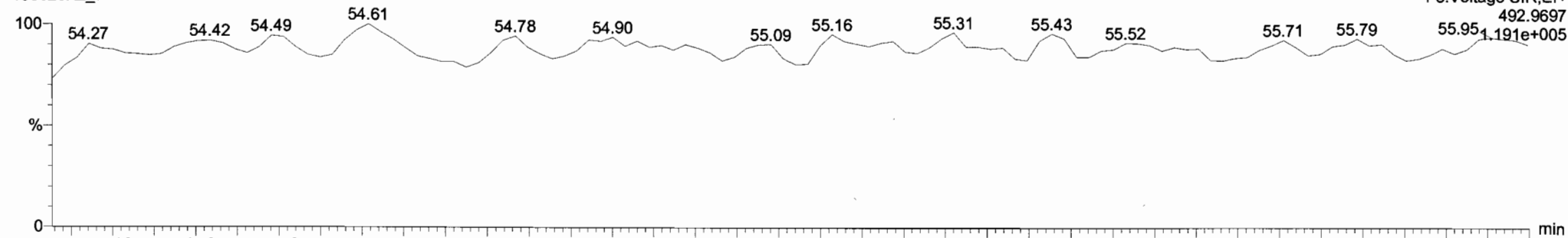
190628K2_7



F5:Voltage SIR,EI+
511.7199
6.465e+006

PFK5

190628K2_7



F5:Voltage SIR,EI+
492.9697
1.191e+005

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

GRB 10/17/19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06
 Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

*LIMITED: HIGH POINT FOR ENDOSULFAN I,
 ENDOSULFAN II + TRANS-CHLORDANE (GAMMA)*

@ 250

Compound name: Hexachlorobenzene
 Response Factor: 0.856338
 RRF SD: 0.0807254, Relative SD: 9.42682
 Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
 Curve type: RF

HL 10.17.19

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.19 | NO | 23.02 | 1.001 | 5.63e4 | 1.58e6 | 2.08 | 4.1 | 0.891 | bb |
| 2 | 191016K1_2 | 10.0 | 1.18 | NO | 23.02 | 1.001 | 4.75e5 | 2.68e6 | 10.3 | 3.4 | 0.886 | bb |
| 3 | 191016K1_3 | 100 | 1.18 | NO | 23.03 | 1.001 | 2.73e6 | 1.96e6 | 81.5 | -18.5 | 0.698 | bb |
| 4 | 191016K1_4 | 250 | 1.18 | NO | 23.03 | 1.001 | 1.21e7 | 2.75e6 | 257 | 2.8 | 0.880 | bb |
| 5 | 191016K1_5 | 1200 | 1.18 | NO | 23.03 | 1.001 | 4.10e7 | 1.99e6 | 1200 | 0.2 | 0.858 | bb |
| 6 | 191016K1_6 | 50.0 | 1.18 | NO | 23.03 | 1.001 | 1.65e6 | 1.78e6 | 54.0 | 8.0 | 0.925 | bb |

Compound name: Alpha-BHC
 Response Factor: 0.757697
 RRF SD: 0.0720643, Relative SD: 9.51096
 Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 2.24 | NO | 23.58 | 1.001 | 1.94e4 | 6.17e5 | 2.07 | 3.7 | 0.786 | bb |
| 2 | 191016K1_2 | 10.0 | 2.10 | NO | 23.58 | 1.001 | 1.55e5 | 1.03e6 | 9.96 | -0.4 | 0.755 | bb |
| 3 | 191016K1_3 | 100 | 2.13 | NO | 23.58 | 1.001 | 9.03e5 | 7.32e5 | 81.4 | -18.6 | 0.617 | bb |
| 4 | 191016K1_4 | 250 | 2.10 | NO | 23.58 | 1.001 | 4.00e6 | 1.02e6 | 259 | 3.4 | 0.784 | bb |
| 5 | 191016K1_5 | 1200 | 2.10 | NO | 23.59 | 1.001 | 1.38e7 | 7.30e5 | 1240 | 3.6 | 0.785 | bb |
| 6 | 191016K1_6 | 50.0 | 2.09 | NO | 23.58 | 1.001 | 5.34e5 | 6.51e5 | 54.1 | 8.2 | 0.820 | bb |

Compound name: Lindane (gamma-BHC)
 Response Factor: 0.76603
 RRF SD: 0.0799337, Relative SD: 10.4348
 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 | 191016K1_1 | 2.00 | 2.48 | NO | 26.89 | 1.001 | 1.66e4 | 4.95e5 | 2.19 | 9.7 | 0.841 | MM |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: Lindane (gamma-BHC)

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 2 | 191016K1_2 | 10.0 | 2.10 | NO | 26.89 | 1.001 | 1.24e5 | 8.08e5 | 10.0 | -0.0 | 0.766 | bb |
| 3 | 191016K1_3 | 100 | 2.15 | NO | 26.89 | 1.001 | 6.92e5 | 5.63e5 | 80.2 | -19.8 | 0.614 | bb |
| 4 | 191016K1_4 | 250 | 2.10 | NO | 26.89 | 1.001 | 3.12e6 | 7.93e5 | 256 | 2.6 | 0.786 | bb |
| 5 | 191016K1_5 | 1200 | 2.10 | NO | 26.90 | 1.001 | 1.05e7 | 5.71e5 | 1200 | 0.4 | 0.769 | bb |
| 6 | 191016K1_6 | 50.0 | 2.18 | NO | 26.89 | 1.001 | 4.11e5 | 5.01e5 | 53.6 | 7.2 | 0.821 | bb |

Compound name: Beta-BHC

Response Factor: 0.889105
 RRF SD: 0.0839687, Relative SD: 9.44417
 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 | 191016K1_1 | 2.00 | 2.09 | NO | 28.93 | 1.001 | 1.52e4 | 4.11e5 | 2.08 | 4.1 | 0.926 | bb |
| 2 | 191016K1_2 | 10.0 | 2.21 | NO | 28.93 | 1.001 | 1.18e5 | 6.70e5 | 9.92 | -0.8 | 0.882 | bb |
| 3 | 191016K1_3 | 100 | 2.10 | NO | 28.93 | 1.001 | 6.76e5 | 4.67e5 | 81.4 | -18.6 | 0.724 | bb |
| 4 | 191016K1_4 | 250 | 2.11 | NO | 28.93 | 1.001 | 2.95e6 | 6.37e5 | 260 | 4.0 | 0.924 | bb |
| 5 | 191016K1_5 | 1200 | 2.11 | NO | 28.93 | 1.001 | 1.03e7 | 4.60e5 | 1250 | 4.5 | 0.929 | bb |
| 6 | 191016K1_6 | 50.0 | 2.12 | NO | 28.93 | 1.001 | 3.91e5 | 4.12e5 | 53.4 | 6.8 | 0.949 | bb |

Compound name: Delta-BHC

Response Factor: 0.836905
 RRF SD: 0.0833533, Relative SD: 9.95971
 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 | 191016K1_1 | 2.00 | 1.83 | NO | 30.60 | 1.000 | 1.61e4 | 4.57e5 | 2.10 | 5.0 | 0.878 | MM |
| 2 | 191016K1_2 | 10.0 | 2.07 | NO | 30.60 | 1.001 | 1.26e5 | 7.62e5 | 9.92 | -0.8 | 0.830 | bb |
| 3 | 191016K1_3 | 100 | 2.10 | NO | 30.60 | 1.000 | 7.15e5 | 5.30e5 | 80.6 | -19.4 | 0.675 | bb |
| 4 | 191016K1_4 | 250 | 2.11 | NO | 30.60 | 1.000 | 3.19e6 | 7.34e5 | 260 | 3.9 | 0.869 | bb |
| 5 | 191016K1_5 | 1200 | 2.09 | NO | 30.61 | 1.001 | 1.11e7 | 5.35e5 | 1240 | 2.9 | 0.861 | bb |
| 6 | 191016K1_6 | 50.0 | 2.10 | NO | 30.60 | 1.000 | 4.20e5 | 4.62e5 | 54.2 | 8.5 | 0.908 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: Heptachlor

Response Factor: 0.946808
 RRF SD: 0.106482, Relative SD: 11.2464
 Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 0.98 | NO | 29.06 | 1.002 | 8.99e3 | 2.24e5 | 2.12 | 6.0 | 1.00 | MM |
| 2 | 191016K1_2 | 10.0 | 1.03 | NO | 29.06 | 1.001 | 5.26e4 | 2.93e5 | 9.47 | -5.3 | 0.897 | bb |
| 3 | 191016K1_3 | 100 | 1.07 | NO | 29.06 | 1.001 | 2.80e5 | 1.87e5 | 79.2 | -20.8 | 0.750 | bb |
| 4 | 191016K1_4 | 250 | 1.06 | NO | 29.06 | 1.001 | 1.37e6 | 2.71e5 | 268 | 7.1 | 1.01 | bb |
| 5 | 191016K1_5 | 1200 | 1.05 | NO | 29.06 | 1.001 | 5.64e6 | 2.34e5 | 1270 | 5.9 | 1.00 | bb |
| 6 | 191016K1_6 | 50.0 | 1.09 | NO | 29.06 | 1.001 | 1.52e5 | 1.50e5 | 53.5 | 7.1 | 1.01 | bb |

Compound name: Aldrin

Response Factor: 0.956927
 RRF SD: 0.0907758, Relative SD: 9.48618
 Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.58 | NO | 31.16 | 1.001 | 1.55e4 | 3.91e5 | 2.07 | 3.4 | 0.989 | bb |
| 2 | 191016K1_2 | 10.0 | 1.60 | NO | 31.16 | 1.001 | 1.21e5 | 6.30e5 | 10.0 | 0.2 | 0.959 | bb |
| 3 | 191016K1_3 | 100 | 1.60 | NO | 31.16 | 1.001 | 7.02e5 | 4.51e5 | 81.3 | -18.7 | 0.778 | bb |
| 4 | 191016K1_4 | 250 | 1.59 | NO | 31.16 | 1.001 | 3.04e6 | 6.04e5 | 263 | 5.1 | 1.01 | bb |
| 5 | 191016K1_5 | 1200 | 1.57 | NO | 31.16 | 1.001 | 1.05e7 | 4.48e5 | 1230 | 2.3 | 0.979 | bb |
| 6 | 191016K1_6 | 50.0 | 1.62 | NO | 31.16 | 1.001 | 4.05e5 | 3.93e5 | 53.8 | 7.7 | 1.03 | bb |

Compound name: Oxychlordane

Response Factor: 0.949493
 RRF SD: 0.101866, Relative SD: 10.7285
 Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.30 | NO | 33.73 | 1.000 | 4.41e3 | 1.11e5 | 2.09 | 4.3 | 0.991 | MM |
| 2 | 191016K1_2 | 10.0 | 1.53 | NO | 33.73 | 1.001 | 3.32e4 | 1.71e5 | 10.2 | 2.2 | 0.971 | MM |
| 3 | 191016K1_3 | 100 | 1.63 | NO | 33.74 | 1.001 | 1.81e5 | 1.20e5 | 79.2 | -20.8 | 0.752 | MM |
| 4 | 191016K1_4 | 250 | 1.59 | NO | 33.74 | 1.001 | 8.07e5 | 1.64e5 | 259 | 3.7 | 0.984 | MM |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: Oxychlordane

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 1200 | 1.57 | NO | 33.74 | 1.001 | 2.81e6 | 1.23e5 | 1200 | 0.3 | 0.953 | MM |
| 6 | 191016K1_6 | 50.0 | 1.62 | NO | 33.73 | 1.000 | 1.08e5 | 1.03e5 | 55.1 | 10.2 | 1.05 | MM |

Compound name: cis-Heptachlor Epoxide

Response Factor: 0.970509
 RRF SD: 0.101406, Relative SD: 10.4488
 Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.47 | NO | 34.52 | 1.000 | 6.27e3 | 1.47e5 | 2.20 | 9.9 | 1.07 | MM |
| 2 | 191016K1_2 | 10.0 | 1.72 | NO | 34.52 | 1.000 | 4.41e4 | 2.25e5 | 10.1 | 0.8 | 0.978 | bb |
| 3 | 191016K1_3 | 100 | 1.58 | NO | 34.53 | 1.001 | 2.38e5 | 1.53e5 | 80.4 | -19.6 | 0.780 | bb |
| 4 | 191016K1_4 | 250 | 1.59 | NO | 34.53 | 1.001 | 1.05e6 | 2.10e5 | 257 | 3.0 | 0.999 | bb |
| 5 | 191016K1_5 | 1200 | 1.57 | NO | 34.53 | 1.001 | 3.71e6 | 1.61e5 | 1190 | -1.2 | 0.959 | bb |
| 6 | 191016K1_6 | 50.0 | 1.61 | NO | 34.53 | 1.001 | 1.39e5 | 1.34e5 | 53.6 | 7.2 | 1.04 | bb |

Compound name: trans-Heptachlor Epoxide

Response Factor: 0.245742
 RRF SD: 0.0269767, Relative SD: 10.9777
 Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.39 | NO | 35.01 | 1.015 | 1.65e3 | 1.47e5 | 2.29 | 14.4 | 0.281 | MM |
| 2 | 191016K1_2 | 10.0 | 1.56 | NO | 35.01 | 1.015 | 1.08e4 | 2.25e5 | 9.72 | -2.8 | 0.239 | MM |
| 3 | 191016K1_3 | 100 | 1.52 | NO | 35.01 | 1.015 | 6.09e4 | 1.53e5 | 81.0 | -19.0 | 0.199 | bb |
| 4 | 191016K1_4 | 250 | 1.61 | NO | 35.01 | 1.015 | 2.69e5 | 2.10e5 | 260 | 4.1 | 0.256 | bb |
| 5 | 191016K1_5 | 1200 | 1.58 | NO | 35.01 | 1.015 | 9.53e5 | 1.61e5 | 1200 | 0.3 | 0.247 | bb |
| 6 | 191016K1_6 | 50.0 | 1.60 | NO | 35.01 | 1.015 | 3.38e4 | 1.34e5 | 51.4 | 2.9 | 0.253 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: trans-Chlordane (gamma)

Response Factor: 0.995657
 RRF SD: 0.100968, Relative SD: 10.1408
 Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.37 | NO | 35.42 | 1.001 | 4.77e3 | 1.12e5 | 2.14 | 7.1 | 1.07 | MM |
| 2 | 191016K1_2 | 10.0 | 1.54 | NO | 35.42 | 1.001 | 3.75e4 | 1.84e5 | 10.2 | 2.1 | 1.02 | MM |
| 3 | 191016K1_3 | 100 | 1.61 | NO | 35.42 | 1.000 | 2.12e5 | 1.30e5 | 82.2 | -17.8 | 0.819 | bb |
| 4 | 191016K1_4 | 250 | 1.56 | NO | 35.44 | 1.001 | 9.32e5 | 1.82e5 | 257 | 2.9 | 1.02 | bb |
| 5 | 191016K1_5 | 1200 | 1.57 | NO | 35.44 | 1.001 | 3.22e6 | 1.57e5 | 1030 | -14.4 | 0.852 | bbX |
| 6 | 191016K1_6 | 50.0 | 1.63 | NO | 35.42 | 1.001 | 1.21e5 | 1.15e5 | 52.8 | 5.7 | 1.05 | bb |

Compound name: trans-Nonachlor

Response Factor: 0.920737
 RRF SD: 0.0925692, Relative SD: 10.0538
 Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.34 | NO | 35.61 | 1.001 | 5.01e3 | 1.23e5 | 2.21 | 10.4 | 1.02 | MM |
| 2 | 191016K1_2 | 10.0 | 1.56 | NO | 35.61 | 1.001 | 3.85e4 | 2.06e5 | 10.2 | 1.6 | 0.935 | bb |
| 3 | 191016K1_3 | 100 | 1.58 | NO | 35.61 | 1.000 | 2.23e5 | 1.45e5 | 83.6 | -16.4 | 0.770 | bb |
| 4 | 191016K1_4 | 250 | 1.56 | NO | 35.61 | 1.000 | 9.61e5 | 2.00e5 | 261 | 4.5 | 0.962 | bb |
| 5 | 191016K1_5 | 1200 | 1.56 | NO | 35.63 | 1.001 | 3.35e6 | 1.64e5 | 1110 | -7.3 | 0.853 | bb |
| 6 | 191016K1_6 | 50.0 | 1.61 | NO | 35.61 | 1.001 | 1.25e5 | 1.27e5 | 53.6 | 7.2 | 0.987 | bb |

Compound name: cis-Chlordane

Response Factor: 0.914298
 RRF SD: 0.0964648, Relative SD: 10.5507
 Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.50 | NO | 36.09 | 1.014 | 4.86e3 | 1.23e5 | 2.16 | 7.8 | 0.986 | MM |
| 2 | 191016K1_2 | 10.0 | 1.64 | NO | 36.09 | 1.014 | 3.75e4 | 2.06e5 | 9.96 | -0.4 | 0.911 | bd |
| 3 | 191016K1_3 | 100 | 1.58 | NO | 36.11 | 1.014 | 2.21e5 | 1.45e5 | 83.7 | -16.3 | 0.765 | bd |
| 4 | 191016K1_4 | 250 | 1.59 | NO | 36.11 | 1.014 | 9.79e5 | 2.00e5 | 268 | 7.1 | 0.980 | MM |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: cis-Chlordane

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 1200 | 1.56 | NO | 36.11 | 1.014 | 3.28e6 | 1.64e5 | 1100 | -8.6 | 0.836 | bd |
| 6 | 191016K1_6 | 50.0 | 1.62 | NO | 36.09 | 1.014 | 1.28e5 | 1.27e5 | 55.1 | 10.3 | 1.01 | bd |

Compound name: Endosulfan I (alpha)

Response Factor: 1.07552

RRF SD: 0.214636, Relative SD: 19.9565

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 10.0 | 1.65 | NO | 36.21 | 1.001 | 2.03e4 | 7.50e4 | 12.6 | 26.1 | 1.36 | MM |
| 2 | 191016K1_2 | 15.0 | 1.79 | NO | 36.21 | 1.001 | 4.15e4 | 1.17e5 | 16.5 | 9.9 | 1.18 | MM |
| 3 | 191016K1_3 | 100 | 1.60 | NO | 36.21 | 1.000 | 1.34e5 | 8.42e4 | 74.1 | -25.9 | 0.797 | db |
| 4 | 191016K1_4 | 250 | 1.59 | NO | 36.21 | 1.000 | 6.07e5 | 1.28e5 | 220 | -11.9 | 0.947 | MM |
| 5 | 191016K1_5 | 1200 | 1.55 | NO | 36.21 | 1.000 | 2.08e6 | 1.23e5 | 783 | -34.7 | 0.702 | dbX |
| 6 | 191016K1_6 | 50.0 | 1.64 | NO | 36.21 | 1.001 | 7.77e4 | 7.10e4 | 50.9 | 1.7 | 1.09 | db |

Compound name: 2,4'-DDE

Response Factor: 0.788823

RRF SD: 0.0799861, Relative SD: 10.1399

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.22 | NO | 36.08 | 1.000 | 7.97e4 | 2.36e6 | 2.14 | 7.0 | 0.844 | MM |
| 2 | 191016K1_2 | 10.0 | 1.26 | NO | 36.08 | 1.000 | 6.22e5 | 3.83e6 | 10.3 | 2.8 | 0.811 | bb |
| 3 | 191016K1_3 | 100 | 1.27 | NO | 36.08 | 1.000 | 3.49e6 | 2.76e6 | 80.0 | -20.0 | 0.631 | bb |
| 4 | 191016K1_4 | 250 | 1.26 | NO | 36.08 | 1.000 | 1.54e7 | 3.78e6 | 259 | 3.5 | 0.817 | bb |
| 5 | 191016K1_5 | 1200 | 1.28 | NO | 36.09 | 1.001 | 5.23e7 | 2.77e6 | 1200 | -0.1 | 0.788 | bb |
| 6 | 191016K1_6 | 50.0 | 1.25 | NO | 36.08 | 1.000 | 2.10e6 | 2.50e6 | 53.4 | 6.7 | 0.842 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 4,4'-DDE

Response Factor: 0.803522
 RRF SD: 0.0868593, Relative SD: 10.8098
 Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.23 | NO | 37.15 | 1.000 | 6.38e4 | 1.80e6 | 2.20 | 10.1 | 0.885 | MM |
| 2 | 191016K1_2 | 10.0 | 1.27 | NO | 37.14 | 1.000 | 4.81e5 | 2.89e6 | 10.4 | 3.5 | 0.832 | bb |
| 3 | 191016K1_3 | 100 | 1.26 | NO | 37.16 | 1.001 | 2.71e6 | 2.12e6 | 79.4 | -20.6 | 0.638 | bb |
| 4 | 191016K1_4 | 250 | 1.25 | NO | 37.16 | 1.000 | 1.20e7 | 2.93e6 | 256 | 2.3 | 0.822 | bb |
| 5 | 191016K1_5 | 1200 | 1.26 | NO | 37.16 | 1.000 | 4.10e7 | 2.16e6 | 1180 | -1.5 | 0.792 | bb |
| 6 | 191016K1_6 | 50.0 | 1.25 | NO | 37.15 | 1.000 | 1.63e6 | 1.91e6 | 53.1 | 6.1 | 0.853 | bb |

Compound name: Dieldrin

Response Factor: 0.911727
 RRF SD: 0.0882924, Relative SD: 9.68408
 Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.40 | NO | 37.66 | 1.001 | 7.15e3 | 1.93e5 | 2.03 | 1.7 | 0.927 | MM |
| 2 | 191016K1_2 | 10.0 | 1.58 | NO | 37.66 | 1.001 | 5.75e4 | 3.27e5 | 9.64 | -3.6 | 0.879 | bb |
| 3 | 191016K1_3 | 100 | 1.56 | NO | 37.66 | 1.000 | 3.47e5 | 2.31e5 | 82.6 | -17.4 | 0.753 | bb |
| 4 | 191016K1_4 | 250 | 1.52 | NO | 37.66 | 1.000 | 1.53e6 | 3.22e5 | 261 | 4.5 | 0.952 | bb |
| 5 | 191016K1_5 | 1200 | 1.54 | NO | 37.66 | 1.000 | 5.30e6 | 2.33e5 | 1250 | 4.1 | 0.949 | bb |
| 6 | 191016K1_6 | 50.0 | 1.51 | NO | 37.66 | 1.001 | 2.03e5 | 2.01e5 | 55.4 | 10.7 | 1.01 | bb |

Compound name: Endrin

Response Factor: 0.91089
 RRF SD: 0.105488, Relative SD: 11.5808
 Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.58 | NO | 39.07 | 1.001 | 4.94e3 | 1.27e5 | 2.13 | 6.7 | 0.972 | MM |
| 2 | 191016K1_2 | 10.0 | 1.49 | NO | 39.05 | 1.000 | 3.13e4 | 1.83e5 | 9.37 | -6.3 | 0.853 | bb |
| 3 | 191016K1_3 | 100 | 1.59 | NO | 39.07 | 1.001 | 1.75e5 | 1.21e5 | 79.4 | -20.6 | 0.723 | bb |
| 4 | 191016K1_4 | 250 | 1.56 | NO | 39.07 | 1.001 | 7.74e5 | 1.59e5 | 267 | 6.6 | 0.971 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: Endrin

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 1200 | 1.53 | NO | 39.07 | 1.001 | 2.77e6 | 1.22e5 | 1240 | 3.4 | 0.942 | bb |
| 6 | 191016K1_6 | 50.0 | 1.54 | NO | 39.05 | 1.000 | 9.05e4 | 9.02e4 | 55.1 | 10.2 | 1.00 | bb |

Compound name: cis-Nonachlor

Response Factor: 0.944794

RRF SD: 0.105523, Relative SD: 11.1689

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.39 | NO | 39.34 | 1.000 | 5.12e3 | 1.17e5 | 2.32 | 15.8 | 1.09 | MM |
| 2 | 191016K1_2 | 10.0 | 1.57 | NO | 39.34 | 1.000 | 3.69e4 | 1.98e5 | 9.88 | -1.2 | 0.933 | bb |
| 3 | 191016K1_3 | 100 | 1.56 | NO | 39.34 | 1.000 | 2.20e5 | 1.40e5 | 83.0 | -17.0 | 0.784 | bb |
| 4 | 191016K1_4 | 250 | 1.54 | NO | 39.35 | 1.001 | 9.48e5 | 1.95e5 | 257 | 2.7 | 0.970 | bb |
| 5 | 191016K1_5 | 1200 | 1.52 | NO | 39.35 | 1.000 | 3.29e6 | 1.55e5 | 1120 | -6.4 | 0.885 | bb |
| 6 | 191016K1_6 | 50.0 | 1.55 | NO | 39.34 | 1.000 | 1.26e5 | 1.25e5 | 53.1 | 6.1 | 1.00 | bb |

Compound name: Endosulfan II (beta)

Response Factor: 1.03563

RRF SD: 0.206989, Relative SD: 19.9868

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 10.0 | 1.49 | NO | 40.08 | 1.000 | 9.10e3 | 3.42e4 | 12.9 | 28.7 | 1.33 | MM |
| 2 | 191016K1_2 | 15.0 | 1.35 | NO | 40.06 | 1.000 | 1.87e4 | 5.80e4 | 15.6 | 3.7 | 1.07 | MM |
| 3 | 191016K1_3 | 100 | 1.56 | NO | 40.08 | 1.000 | 6.19e4 | 4.03e4 | 74.2 | -25.8 | 0.768 | MM |
| 4 | 191016K1_4 | 250 | 1.56 | NO | 40.08 | 1.000 | 2.80e5 | 5.96e4 | 227 | -9.3 | 0.939 | MM |
| 5 | 191016K1_5 | 1200 | 1.53 | NO | 40.08 | 1.000 | 9.99e5 | 7.17e4 | 673 | -43.9 | 0.581 | MMX |
| 6 | 191016K1_6 | 50.0 | 1.48 | NO | 40.08 | 1.000 | 3.63e4 | 3.41e4 | 51.4 | 2.7 | 1.06 | MM |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 2,4'-DDD

Response Factor: 0.894568

RRF SD: 0.0913558, Relative SD: 10.2123

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.50 | NO | 38.30 | 1.001 | 7.58e4 | 1.96e6 | 2.16 | 8.0 | 0.966 | MM |
| 2 | 191016K1_2 | 10.0 | 1.55 | NO | 38.28 | 1.000 | 5.45e5 | 2.96e6 | 10.3 | 3.0 | 0.922 | bb |
| 3 | 191016K1_3 | 100 | 1.53 | NO | 38.30 | 1.000 | 2.99e6 | 2.09e6 | 80.2 | -19.8 | 0.717 | bb |
| 4 | 191016K1_4 | 250 | 1.53 | NO | 38.30 | 1.000 | 1.33e7 | 2.90e6 | 255 | 2.2 | 0.914 | bb |
| 5 | 191016K1_5 | 1200 | 1.52 | NO | 38.30 | 1.000 | 4.81e7 | 2.25e6 | 1190 | -0.4 | 0.891 | bb |
| 6 | 191016K1_6 | 50.0 | 1.52 | NO | 38.28 | 1.000 | 1.75e6 | 1.83e6 | 53.6 | 7.1 | 0.958 | bb |

Compound name: 2,4'-DDT

Response Factor: 0.895717

RRF SD: 0.106617, Relative SD: 11.903

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.23 | NO | 39.41 | 1.000 | 2.83e4 | 7.07e5 | 2.23 | 11.7 | 1.00 | MM |
| 2 | 191016K1_2 | 10.0 | 1.69 | NO | 39.41 | 1.000 | 1.80e5 | 1.02e6 | 9.88 | -1.2 | 0.885 | db |
| 3 | 191016K1_3 | 100 | 1.52 | NO | 39.42 | 1.000 | 1.00e6 | 7.19e5 | 78.0 | -22.0 | 0.698 | MM |
| 4 | 191016K1_4 | 250 | 1.57 | NO | 39.42 | 1.000 | 5.51e6 | 1.13e6 | 271 | 8.6 | 0.973 | MM |
| 5 | 191016K1_5 | 1200 | 1.50 | NO | 39.42 | 1.000 | 2.30e7 | 1.08e6 | 1190 | -0.5 | 0.892 | bb |
| 6 | 191016K1_6 | 50.0 | 1.58 | NO | 39.41 | 1.000 | 6.22e5 | 6.71e5 | 51.7 | 3.4 | 0.926 | MM |

Compound name: 4,4'-DDD

Response Factor: 0.990269

RRF SD: 0.0978549, Relative SD: 9.88164

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.49 | NO | 39.54 | 1.000 | 7.12e4 | 1.70e6 | 2.12 | 6.1 | 1.05 | MM |
| 2 | 191016K1_2 | 10.0 | 1.51 | NO | 39.54 | 1.000 | 5.18e5 | 2.55e6 | 10.2 | 2.4 | 1.01 | MM |
| 3 | 191016K1_3 | 100 | 1.53 | NO | 39.54 | 1.000 | 2.82e6 | 1.76e6 | 81.0 | -19.0 | 0.802 | MM |
| 4 | 191016K1_4 | 250 | 1.55 | NO | 39.54 | 1.000 | 1.25e7 | 2.46e6 | 257 | 2.7 | 1.02 | db |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 4,4'-DDD

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 1200 | 1.51 | NO | 39.54 | 1.000 | 4.57e7 | 1.94e6 | 1190 | -1.0 | 0.980 | bb |
| 6 | 191016K1_6 | 50.0 | 1.53 | NO | 39.54 | 1.000 | 1.63e6 | 1.51e6 | 54.4 | 8.8 | 1.08 | MM |

Compound name: 4,4'-DDT

Response Factor: 1.02614
 RRF SD: 0.0885941, Relative SD: 8.6337
 Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.66 | NO | 40.61 | 1.000 | 1.77e4 | 4.34e5 | 1.99 | -0.5 | 1.02 | MM |
| 2 | 191016K1_2 | 10.0 | 1.60 | NO | 40.61 | 1.000 | 1.25e5 | 6.16e5 | 9.90 | -1.0 | 1.02 | MM |
| 3 | 191016K1_3 | 100 | 1.56 | NO | 40.61 | 1.000 | 7.67e5 | 4.46e5 | 83.7 | -16.3 | 0.859 | MM |
| 4 | 191016K1_4 | 250 | 1.49 | NO | 40.61 | 1.000 | 4.28e6 | 7.95e5 | 262 | 4.9 | 1.08 | MM |
| 5 | 191016K1_5 | 1200 | 1.54 | NO | 40.61 | 1.000 | 2.02e7 | 7.71e5 | 1280 | 6.6 | 1.09 | MM |
| 6 | 191016K1_6 | 50.0 | 1.46 | NO | 40.61 | 1.000 | 4.51e5 | 4.14e5 | 53.1 | 6.3 | 1.09 | MM |

Compound name: Endosulfan Sulfate

Response Factor: 0.933506
 RRF SD: 0.119611, Relative SD: 12.8131
 Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 10.0 | 1.39 | NO | 41.80 | 1.000 | 1.05e4 | 4.81e4 | 11.7 | 17.4 | 1.10 | MM |
| 2 | 191016K1_2 | 15.0 | 1.51 | NO | 41.80 | 1.000 | 2.24e4 | 7.87e4 | 15.2 | 1.5 | 0.947 | MM |
| 3 | 191016K1_3 | 100 | 1.48 | NO | 41.80 | 1.000 | 8.36e4 | 5.77e4 | 77.6 | -22.4 | 0.724 | MM |
| 4 | 191016K1_4 | 250 | 1.50 | NO | 41.80 | 1.000 | 3.73e5 | 7.72e4 | 259 | 3.5 | 0.966 | MM |
| 5 | 191016K1_5 | 1200 | 1.51 | NO | 41.80 | 1.000 | 1.31e6 | 5.90e4 | 1190 | -0.8 | 0.926 | bb |
| 6 | 191016K1_6 | 50.0 | 1.63 | NO | 41.80 | 1.000 | 4.66e4 | 4.95e4 | 50.5 | 0.9 | 0.942 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 4,4'-Methoxychlor

Response Factor: 1.13936
 RRF SD: 0.124381, Relative SD: 10.9168
 Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 10.0 | 6.22 | NO | 43.65 | 1.000 | 1.37e5 | 5.68e6 | 10.6 | 5.9 | 1.21 | MM |
| 2 | 191016K1_2 | 15.0 | 5.67 | NO | 43.64 | 1.000 | 3.01e5 | 8.64e6 | 15.3 | 1.9 | 1.16 | MM |
| 3 | 191016K1_3 | 100 | 5.51 | NO | 43.65 | 1.000 | 1.05e6 | 5.85e6 | 78.5 | -21.5 | 0.894 | MM |
| 4 | 191016K1_4 | 250 | 5.43 | NO | 43.65 | 1.000 | 5.24e6 | 8.89e6 | 259 | 3.4 | 1.18 | MM |
| 5 | 191016K1_5 | 1200 | 5.39 | NO | 43.65 | 1.000 | 2.11e7 | 7.60e6 | 1220 | 1.4 | 1.16 | MM |
| 6 | 191016K1_6 | 50.0 | 5.84 | NO | 43.65 | 1.000 | 6.69e5 | 5.39e6 | 54.5 | 9.0 | 1.24 | MM |

Compound name: Mirex

Response Factor: 0.897063
 RRF SD: 0.0911168, Relative SD: 10.1572
 Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 2.00 | 1.47 | NO | 44.24 | 1.001 | 1.97e4 | 5.14e5 | 2.14 | 6.8 | 0.958 | bb |
| 2 | 191016K1_2 | 10.0 | 1.44 | NO | 44.22 | 1.000 | 1.53e5 | 8.47e5 | 10.0 | 0.4 | 0.901 | MM |
| 3 | 191016K1_3 | 100 | 1.45 | NO | 44.24 | 1.001 | 9.21e5 | 6.40e5 | 80.2 | -19.8 | 0.719 | bb |
| 4 | 191016K1_4 | 250 | 1.45 | NO | 44.24 | 1.001 | 3.96e6 | 8.62e5 | 256 | 2.6 | 0.920 | MM |
| 5 | 191016K1_5 | 1200 | 1.45 | NO | 44.24 | 1.000 | 1.35e7 | 6.13e5 | 1220 | 1.9 | 0.914 | MM |
| 6 | 191016K1_6 | 50.0 | 1.47 | NO | 44.22 | 1.000 | 5.53e5 | 5.70e5 | 54.1 | 8.2 | 0.971 | bb |

Compound name: Endrin Aldehyde

Response Factor: 0.956323
 RRF SD: 0.088234, Relative SD: 9.22639
 Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 10.0 | 0.70 | NO | 41.20 | 1.000 | 1.69e4 | 8.21e5 | 10.8 | 7.9 | 1.03 | MM |
| 2 | 191016K1_2 | 15.0 | 0.64 | NO | 41.20 | 1.001 | 3.35e4 | 1.18e6 | 14.8 | -1.2 | 0.945 | MM |
| 3 | 191016K1_3 | 100 | 0.62 | NO | 41.20 | 1.000 | 1.39e5 | 8.82e5 | 82.3 | -17.7 | 0.787 | MM |
| 4 | 191016K1_4 | 250 | 0.62 | NO | 41.20 | 1.000 | 6.26e5 | 1.27e6 | 258 | 3.4 | 0.988 | MM |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: Endrin Aldehyde

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 1200 | 0.62 | NO | 41.20 | 1.000 | 2.33e6 | 9.99e5 | 1220 | 1.5 | 0.971 | MM |
| 6 | 191016K1_6 | 50.0 | 0.59 | NO | 41.20 | 1.000 | 7.91e4 | 7.80e5 | 53.0 | 6.1 | 1.01 | MM |

Compound name: Endrin Ketone

Response Factor: 0.875009
 RRF SD: 0.107115, Relative SD: 12.2415
 Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 10.0 | 0.67 | NO | 44.38 | 1.001 | 1.33e4 | 6.76e5 | 11.3 | 12.8 | 0.987 | MM |
| 2 | 191016K1_2 | 15.0 | 0.64 | NO | 44.36 | 1.000 | 2.85e4 | 1.07e6 | 15.2 | 1.5 | 0.888 | db |
| 3 | 191016K1_3 | 100 | 0.64 | NO | 44.38 | 1.001 | 9.69e4 | 7.24e5 | 76.5 | -23.5 | 0.669 | MM |
| 4 | 191016K1_4 | 250 | 0.62 | NO | 44.38 | 1.001 | 4.58e5 | 1.02e6 | 258 | 3.2 | 0.903 | MM |
| 5 | 191016K1_5 | 1200 | 0.61 | NO | 44.38 | 1.000 | 1.60e6 | 7.48e5 | 1220 | 1.9 | 0.891 | MM |
| 6 | 191016K1_6 | 50.0 | 0.64 | NO | 44.38 | 1.001 | 5.86e4 | 6.43e5 | 52.1 | 4.1 | 0.911 | MM |

Compound name: 13C6-Hexachlorobenzene

Response Factor: 0.696644
 RRF SD: 0.0145864, Relative SD: 2.09381
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.28 | NO | 23.00 | 0.873 | 1.58e6 | 2.34e6 | 48.5 | -3.0 | 0.675 | bb |
| 2 | 191016K1_2 | 50.0 | 1.28 | NO | 23.00 | 0.873 | 2.68e6 | 3.89e6 | 49.5 | -0.9 | 0.690 | bb |
| 3 | 191016K1_3 | 50.0 | 1.27 | NO | 23.02 | 0.873 | 1.96e6 | 2.77e6 | 50.6 | 1.3 | 0.706 | bb |
| 4 | 191016K1_4 | 50.0 | 1.27 | NO | 23.02 | 0.873 | 2.75e6 | 4.01e6 | 49.3 | -1.3 | 0.687 | bb |
| 5 | 191016K1_5 | 50.0 | 1.27 | NO | 23.02 | 0.873 | 1.99e6 | 2.79e6 | 51.2 | 2.5 | 0.714 | bb |
| 6 | 191016K1_6 | 50.0 | 1.27 | NO | 23.02 | 0.873 | 1.78e6 | 2.52e6 | 50.8 | 1.5 | 0.707 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C6-Alpha-BHC

Response Factor: 0.261357
 RRF SD: 0.00390455, Relative SD: 1.49395
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 0.79 | NO | 23.54 | 0.893 | 6.17e5 | 2.34e6 | 50.5 | 1.0 | 0.264 | bb |
| 2 | 191016K1_2 | 50.0 | 0.78 | NO | 23.54 | 0.893 | 1.03e6 | 3.89e6 | 50.7 | 1.4 | 0.265 | bb |
| 3 | 191016K1_3 | 50.0 | 0.80 | NO | 23.56 | 0.894 | 7.32e5 | 2.77e6 | 50.5 | 1.0 | 0.264 | bb |
| 4 | 191016K1_4 | 50.0 | 0.79 | NO | 23.56 | 0.893 | 1.02e6 | 4.01e6 | 48.8 | -2.4 | 0.255 | bb |
| 5 | 191016K1_5 | 50.0 | 0.79 | NO | 23.56 | 0.893 | 7.30e5 | 2.79e6 | 50.1 | 0.2 | 0.262 | bb |
| 6 | 191016K1_6 | 50.0 | 0.79 | NO | 23.54 | 0.893 | 6.51e5 | 2.52e6 | 49.4 | -1.2 | 0.258 | bb |

Compound name: 13C6-Lindane (gamma)

Response Factor: 0.204136
 RRF SD: 0.0053179, Relative SD: 2.60507
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 0.81 | NO | 26.85 | 1.019 | 4.95e5 | 2.34e6 | 51.9 | 3.8 | 0.212 | bd |
| 2 | 191016K1_2 | 50.0 | 0.80 | NO | 26.85 | 1.019 | 8.08e5 | 3.89e6 | 50.9 | 1.9 | 0.208 | bd |
| 3 | 191016K1_3 | 50.0 | 0.80 | NO | 26.85 | 1.019 | 5.63e5 | 2.77e6 | 49.7 | -0.5 | 0.203 | bd |
| 4 | 191016K1_4 | 50.0 | 0.80 | NO | 26.87 | 1.019 | 7.93e5 | 4.01e6 | 48.5 | -3.0 | 0.198 | bd |
| 5 | 191016K1_5 | 50.0 | 0.82 | NO | 26.87 | 1.019 | 5.71e5 | 2.79e6 | 50.2 | 0.4 | 0.205 | bd |
| 6 | 191016K1_6 | 50.0 | 0.78 | NO | 26.85 | 1.019 | 5.01e5 | 2.52e6 | 48.7 | -2.6 | 0.199 | bd |

Compound name: 13C6-Beta-BHC

Response Factor: 0.167423
 RRF SD: 0.00612361, Relative SD: 3.65757
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 0.79 | NO | 28.90 | 1.096 | 4.11e5 | 2.34e6 | 52.5 | 5.0 | 0.176 | bb |
| 2 | 191016K1_2 | 50.0 | 0.79 | NO | 28.90 | 1.096 | 6.70e5 | 3.89e6 | 51.5 | 3.0 | 0.172 | bb |
| 3 | 191016K1_3 | 50.0 | 0.79 | NO | 28.91 | 1.097 | 4.67e5 | 2.77e6 | 50.3 | 0.6 | 0.168 | bb |
| 4 | 191016K1_4 | 50.0 | 0.78 | NO | 28.91 | 1.096 | 6.37e5 | 4.01e6 | 47.5 | -5.0 | 0.159 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C6-Beta-BHC

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 50.0 | 0.79 | NO | 28.91 | 1.096 | 4.60e5 | 2.79e6 | 49.3 | -1.4 | 0.165 | bb |
| 6 | 191016K1_6 | 50.0 | 0.78 | NO | 28.90 | 1.096 | 4.12e5 | 2.52e6 | 48.9 | -2.3 | 0.164 | bb |

Compound name: 13C6-Delta-BHC

Response Factor: 0.190218
 RRF SD: 0.00565593, Relative SD: 2.97339
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 0.79 | NO | 30.58 | 1.160 | 4.57e5 | 2.34e6 | 51.5 | 2.9 | 0.196 | bb |
| 2 | 191016K1_2 | 50.0 | 0.79 | NO | 30.57 | 1.160 | 7.62e5 | 3.89e6 | 51.5 | 3.0 | 0.196 | bb |
| 3 | 191016K1_3 | 50.0 | 0.80 | NO | 30.58 | 1.160 | 5.30e5 | 2.77e6 | 50.2 | 0.4 | 0.191 | bb |
| 4 | 191016K1_4 | 50.0 | 0.78 | NO | 30.58 | 1.160 | 7.34e5 | 4.01e6 | 48.2 | -3.6 | 0.183 | bb |
| 5 | 191016K1_5 | 50.0 | 0.78 | NO | 30.58 | 1.160 | 5.35e5 | 2.79e6 | 50.4 | 0.9 | 0.192 | db |
| 6 | 191016K1_6 | 50.0 | 0.79 | NO | 30.58 | 1.160 | 4.62e5 | 2.52e6 | 48.2 | -3.5 | 0.184 | bb |

Compound name: 13C10-Heptachlor

Response Factor: 0.0749687
 RRF SD: 0.0131974, Relative SD: 17.6039
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.26 | NO | 29.01 | 1.101 | 2.24e5 | 2.34e6 | 63.9 | 27.8 | 0.0958 | bb |
| 2 | 191016K1_2 | 50.0 | 1.31 | NO | 29.02 | 1.101 | 2.93e5 | 3.89e6 | 50.3 | 0.6 | 0.0754 | bb |
| 3 | 191016K1_3 | 50.0 | 1.31 | NO | 29.02 | 1.101 | 1.87e5 | 2.77e6 | 44.9 | -10.2 | 0.0673 | bb |
| 4 | 191016K1_4 | 50.0 | 1.29 | NO | 29.02 | 1.100 | 2.71e5 | 4.01e6 | 45.1 | -9.7 | 0.0677 | bb |
| 5 | 191016K1_5 | 50.0 | 1.26 | NO | 29.04 | 1.101 | 2.34e5 | 2.79e6 | 56.1 | 12.2 | 0.0841 | bb |
| 6 | 191016K1_6 | 50.0 | 1.28 | NO | 29.02 | 1.101 | 1.50e5 | 2.52e6 | 39.7 | -20.7 | 0.0595 | bb |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C12-Aldrin

Response Factor: 0.159964

RRF SD: 0.00576854, Relative SD: 3.60615

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.61 | NO | 31.12 | 1.181 | 3.91e5 | 2.34e6 | 52.3 | 4.7 | 0.167 | bb |
| 2 | 191016K1_2 | 50.0 | 1.64 | NO | 31.12 | 1.181 | 6.30e5 | 3.89e6 | 50.6 | 1.3 | 0.162 | bb |
| 3 | 191016K1_3 | 50.0 | 1.65 | NO | 31.13 | 1.181 | 4.51e5 | 2.77e6 | 50.8 | 1.6 | 0.163 | bb |
| 4 | 191016K1_4 | 50.0 | 1.67 | NO | 31.13 | 1.181 | 6.04e5 | 4.01e6 | 47.1 | -5.7 | 0.151 | bb |
| 5 | 191016K1_5 | 50.0 | 1.67 | NO | 31.13 | 1.181 | 4.48e5 | 2.79e6 | 50.3 | 0.5 | 0.161 | bb |
| 6 | 191016K1_6 | 50.0 | 1.64 | NO | 31.12 | 1.181 | 3.93e5 | 2.52e6 | 48.8 | -2.4 | 0.156 | bb |

Compound name: 13C10-Oxychlorane

Response Factor: 0.0434824

RRF SD: 0.00252836, Relative SD: 5.81469

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.60 | NO | 33.72 | 1.279 | 1.11e5 | 2.34e6 | 54.8 | 9.6 | 0.0477 | MM |
| 2 | 191016K1_2 | 50.0 | 1.56 | NO | 33.70 | 1.279 | 1.71e5 | 3.89e6 | 50.6 | 1.3 | 0.0440 | MM |
| 3 | 191016K1_3 | 50.0 | 1.60 | NO | 33.72 | 1.279 | 1.20e5 | 2.77e6 | 49.9 | -0.1 | 0.0434 | MM |
| 4 | 191016K1_4 | 50.0 | 1.64 | NO | 33.72 | 1.278 | 1.64e5 | 4.01e6 | 47.1 | -5.8 | 0.0410 | MM |
| 5 | 191016K1_5 | 50.0 | 1.61 | NO | 33.72 | 1.278 | 1.23e5 | 2.79e6 | 50.6 | 1.3 | 0.0440 | MM |
| 6 | 191016K1_6 | 50.0 | 1.66 | NO | 33.72 | 1.279 | 1.03e5 | 2.52e6 | 46.9 | -6.2 | 0.0408 | MM |

Compound name: 13C10-cis-Heptachlor Epoxide

Response Factor: 0.0565521

RRF SD: 0.00386516, Relative SD: 6.8347

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.61 | NO | 34.50 | 1.309 | 1.47e5 | 2.34e6 | 55.6 | 11.2 | 0.0629 | bb |
| 2 | 191016K1_2 | 50.0 | 1.65 | NO | 34.50 | 1.309 | 2.25e5 | 3.89e6 | 51.3 | 2.5 | 0.0580 | bb |
| 3 | 191016K1_3 | 50.0 | 1.61 | NO | 34.50 | 1.309 | 1.53e5 | 2.77e6 | 48.7 | -2.6 | 0.0551 | bb |
| 4 | 191016K1_4 | 50.0 | 1.59 | NO | 34.50 | 1.308 | 2.10e5 | 4.01e6 | 46.4 | -7.2 | 0.0525 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C10-cis-Heptachlor Epoxide

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 5 | 191016K1_5 | 50.0 | 1.62 | NO | 34.50 | 1.308 | 1.61e5 | 2.79e6 | 51.1 | 2.2 | 0.0578 | bb |
| 6 | 191016K1_6 | 50.0 | 1.62 | NO | 34.50 | 1.309 | 1.34e5 | 2.52e6 | 46.9 | -6.2 | 0.0531 | bb |

Compound name: 13C10-trans-Chlordane (gamma)

Response Factor: 0.0465931
 RRF SD: 0.00111887, Relative SD: 2.40137
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.58 | NO | 35.39 | 1.343 | 1.12e5 | 2.34e6 | 51.4 | 2.8 | 0.0479 | bb |
| 2 | 191016K1_2 | 50.0 | 1.55 | NO | 35.39 | 1.343 | 1.84e5 | 3.89e6 | 50.9 | 1.8 | 0.0474 | bb |
| 3 | 191016K1_3 | 50.0 | 1.63 | NO | 35.41 | 1.344 | 1.30e5 | 2.77e6 | 50.1 | 0.2 | 0.0467 | bb |
| 4 | 191016K1_4 | 50.0 | 1.71 | NO | 35.41 | 1.343 | 1.82e5 | 4.01e6 | 48.8 | -2.5 | 0.0454 | bb |
| 5 | 191016K1_5 | 50.0 | 2.06 | YES | 35.41 | 1.343 | 1.57e5 | 2.79e6 | 60.6 | 21.3 | 0.0565 | MMX |
| 6 | 191016K1_6 | 50.0 | 1.64 | NO | 35.39 | 1.343 | 1.15e5 | 2.52e6 | 48.8 | -2.4 | 0.0455 | bb |

Compound name: 13C10-trans-Nonachlor

Response Factor: 0.0527745
 RRF SD: 0.00317703, Relative SD: 6.02002
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.56 | NO | 35.58 | 1.350 | 1.23e5 | 2.34e6 | 50.0 | -0.1 | 0.0527 | bb |
| 2 | 191016K1_2 | 50.0 | 1.58 | NO | 35.58 | 1.350 | 2.06e5 | 3.89e6 | 50.1 | 0.2 | 0.0529 | bb |
| 3 | 191016K1_3 | 50.0 | 1.67 | NO | 35.60 | 1.351 | 1.45e5 | 2.77e6 | 49.4 | -1.2 | 0.0522 | bb |
| 4 | 191016K1_4 | 50.0 | 1.65 | NO | 35.60 | 1.350 | 2.00e5 | 4.01e6 | 47.3 | -5.5 | 0.0499 | bb |
| 5 | 191016K1_5 | 50.0 | 1.79 | NO | 35.60 | 1.350 | 1.64e5 | 2.79e6 | 55.6 | 11.3 | 0.0587 | bb |
| 6 | 191016K1_6 | 50.0 | 1.64 | NO | 35.58 | 1.350 | 1.27e5 | 2.52e6 | 47.6 | -4.8 | 0.0502 | bb |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C9-Endosulfan I (alpha)

Response Factor: 0.0305456
 RRF SD: 0.00160709, Relative SD: 5.26129
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.53 | NO | 36.18 | 1.373 | 7.50e4 | 2.34e6 | 52.5 | 5.1 | 0.0321 | bb |
| 2 | 191016K1_2 | 50.0 | 1.63 | NO | 36.18 | 1.373 | 1.17e5 | 3.89e6 | 49.2 | -1.5 | 0.0301 | bb |
| 3 | 191016K1_3 | 50.0 | 1.64 | NO | 36.20 | 1.373 | 8.42e4 | 2.77e6 | 49.7 | -0.6 | 0.0303 | db |
| 4 | 191016K1_4 | 50.0 | 1.70 | NO | 36.20 | 1.372 | 1.28e5 | 4.01e6 | 52.4 | 4.8 | 0.0320 | db |
| 5 | 191016K1_5 | 50.0 | 1.94 | NO | 36.20 | 1.372 | 1.23e5 | 2.79e6 | 72.4 | 44.7 | 0.0442 | MMX |
| 6 | 191016K1_6 | 50.0 | 1.63 | NO | 36.18 | 1.373 | 7.10e4 | 2.52e6 | 46.1 | -7.7 | 0.0282 | bb |

Compound name: 13C12-2,4'-DDE

Response Factor: 0.986667
 RRF SD: 0.0224621, Relative SD: 2.27656
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.55 | NO | 36.06 | 0.996 | 2.36e6 | 2.34e6 | 51.2 | 2.3 | 1.01 | bb |
| 2 | 191016K1_2 | 50.0 | 1.58 | NO | 36.06 | 0.996 | 3.83e6 | 3.89e6 | 50.0 | -0.1 | 0.986 | bb |
| 3 | 191016K1_3 | 50.0 | 1.57 | NO | 36.06 | 0.996 | 2.76e6 | 2.77e6 | 50.5 | 1.0 | 0.996 | bb |
| 4 | 191016K1_4 | 50.0 | 1.58 | NO | 36.06 | 0.996 | 3.78e6 | 4.01e6 | 47.8 | -4.3 | 0.944 | bb |
| 5 | 191016K1_5 | 50.0 | 1.55 | NO | 36.06 | 0.996 | 2.77e6 | 2.79e6 | 50.3 | 0.7 | 0.993 | bb |
| 6 | 191016K1_6 | 50.0 | 1.58 | NO | 36.06 | 0.996 | 2.50e6 | 2.52e6 | 50.2 | 0.5 | 0.991 | bb |

Compound name: 13C12-4,4'-DDE

Response Factor: 0.757865
 RRF SD: 0.0169097, Relative SD: 2.23123
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.56 | NO | 37.13 | 1.025 | 1.80e6 | 2.34e6 | 50.9 | 1.8 | 0.771 | bb |
| 2 | 191016K1_2 | 50.0 | 1.56 | NO | 37.13 | 1.025 | 2.89e6 | 3.89e6 | 49.1 | -1.8 | 0.745 | bb |
| 3 | 191016K1_3 | 50.0 | 1.56 | NO | 37.13 | 1.025 | 2.12e6 | 2.77e6 | 50.5 | 1.1 | 0.766 | bb |
| 4 | 191016K1_4 | 50.0 | 1.58 | NO | 37.15 | 1.025 | 2.93e6 | 4.01e6 | 48.2 | -3.6 | 0.731 | bb |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C12-4,4'-DDE

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 50.0 | 1.56 | NO | 37.15 | 1.025 | 2.16e6 | 2.79e6 | 51.1 | 2.2 | 0.774 | bb |
| 6 | 191016K1_6 | 50.0 | 1.58 | NO | 37.13 | 1.025 | 1.91e6 | 2.52e6 | 50.1 | 0.3 | 0.760 | bb |

Compound name: 13C12-Dieldrin

Response Factor: 0.0822352

RRF SD: 0.00172699, Relative SD: 2.10007

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.65 | NO | 37.63 | 1.039 | 1.93e5 | 2.34e6 | 50.2 | 0.3 | 0.0825 | bb |
| 2 | 191016K1_2 | 50.0 | 1.56 | NO | 37.63 | 1.039 | 3.27e5 | 3.89e6 | 51.1 | 2.3 | 0.0841 | bb |
| 3 | 191016K1_3 | 50.0 | 1.57 | NO | 37.64 | 1.039 | 2.31e5 | 2.77e6 | 50.5 | 1.1 | 0.0831 | bb |
| 4 | 191016K1_4 | 50.0 | 1.64 | NO | 37.64 | 1.039 | 3.22e5 | 4.01e6 | 48.8 | -2.4 | 0.0803 | bb |
| 5 | 191016K1_5 | 50.0 | 1.59 | NO | 37.64 | 1.039 | 2.33e5 | 2.79e6 | 50.7 | 1.5 | 0.0834 | bb |
| 6 | 191016K1_6 | 50.0 | 1.62 | NO | 37.63 | 1.039 | 2.01e5 | 2.52e6 | 48.6 | -2.8 | 0.0799 | bb |

Compound name: 13C12-Endrin

Response Factor: 0.0441287

RRF SD: 0.00637254, Relative SD: 14.4408

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.65 | NO | 39.04 | 1.078 | 1.27e5 | 2.34e6 | 61.6 | 23.2 | 0.0544 | bb |
| 2 | 191016K1_2 | 50.0 | 1.65 | NO | 39.04 | 1.078 | 1.83e5 | 3.89e6 | 53.5 | 6.9 | 0.0472 | bb |
| 3 | 191016K1_3 | 50.0 | 1.64 | NO | 39.04 | 1.078 | 1.21e5 | 2.77e6 | 49.5 | -1.0 | 0.0437 | bb |
| 4 | 191016K1_4 | 50.0 | 1.62 | NO | 39.04 | 1.078 | 1.59e5 | 4.01e6 | 45.1 | -9.8 | 0.0398 | bb |
| 5 | 191016K1_5 | 50.0 | 1.65 | NO | 39.04 | 1.078 | 1.22e5 | 2.79e6 | 49.8 | -0.4 | 0.0439 | bb |
| 6 | 191016K1_6 | 50.0 | 1.53 | NO | 39.04 | 1.078 | 9.02e4 | 2.52e6 | 40.5 | -18.9 | 0.0358 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C10-cis-Nonachlor

Response Factor: 0.0509088
 RRF SD: 0.00237867, Relative SD: 4.67242
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.61 | NO | 39.32 | 1.086 | 1.17e5 | 2.34e6 | 49.2 | -1.7 | 0.0501 | bb |
| 2 | 191016K1_2 | 50.0 | 1.61 | NO | 39.32 | 1.086 | 1.98e5 | 3.89e6 | 50.0 | -0.1 | 0.0509 | db |
| 3 | 191016K1_3 | 50.0 | 1.58 | NO | 39.32 | 1.086 | 1.40e5 | 2.77e6 | 49.6 | -0.9 | 0.0505 | db |
| 4 | 191016K1_4 | 50.0 | 1.61 | NO | 39.32 | 1.086 | 1.95e5 | 4.01e6 | 47.9 | -4.2 | 0.0488 | db |
| 5 | 191016K1_5 | 50.0 | 1.81 | NO | 39.34 | 1.086 | 1.55e5 | 2.79e6 | 54.6 | 9.1 | 0.0555 | db |
| 6 | 191016K1_6 | 50.0 | 1.54 | NO | 39.32 | 1.086 | 1.25e5 | 2.52e6 | 48.8 | -2.3 | 0.0497 | bb |

Compound name: 13C9-Endosulfan II

Response Factor: 0.0145005
 RRF SD: 0.000556445, Relative SD: 3.83743
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.55 | NO | 40.06 | 1.106 | 3.42e4 | 2.34e6 | 50.4 | 0.8 | 0.0146 | MM |
| 2 | 191016K1_2 | 50.0 | 1.57 | NO | 40.05 | 1.106 | 5.80e4 | 3.89e6 | 51.5 | 2.9 | 0.0149 | MM |
| 3 | 191016K1_3 | 50.0 | 1.49 | NO | 40.06 | 1.106 | 4.03e4 | 2.77e6 | 50.1 | 0.2 | 0.0145 | MM |
| 4 | 191016K1_4 | 50.0 | 1.64 | NO | 40.06 | 1.106 | 5.96e4 | 4.01e6 | 51.3 | 2.7 | 0.0149 | MM |
| 5 | 191016K1_5 | 50.0 | 1.96 | YES | 40.06 | 1.106 | 7.17e4 | 2.79e6 | 88.7 | 77.4 | 0.0257 | MMX |
| 6 | 191016K1_6 | 50.0 | 1.55 | NO | 40.06 | 1.106 | 3.41e4 | 2.52e6 | 46.7 | -6.5 | 0.0136 | bb |

Compound name: 13C12-2,4'-DDD

Response Factor: 0.768334
 RRF SD: 0.046503, Relative SD: 6.05244
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.59 | NO | 38.27 | 1.452 | 1.96e6 | 2.34e6 | 54.7 | 9.4 | 0.840 | bb |
| 2 | 191016K1_2 | 50.0 | 1.58 | NO | 38.27 | 1.452 | 2.96e6 | 3.89e6 | 49.5 | -1.0 | 0.761 | bb |
| 3 | 191016K1_3 | 50.0 | 1.58 | NO | 38.28 | 1.452 | 2.09e6 | 2.77e6 | 48.9 | -2.1 | 0.752 | bb |
| 4 | 191016K1_4 | 50.0 | 1.57 | NO | 38.28 | 1.452 | 2.90e6 | 4.01e6 | 47.1 | -5.7 | 0.724 | bb |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C12-2,4'-DDD

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 50.0 | 1.46 | NO | 38.28 | 1.452 | 2.25e6 | 2.79e6 | 52.5 | 5.1 | 0.807 | bb |
| 6 | 191016K1_6 | 50.0 | 1.58 | NO | 38.28 | 1.452 | 1.83e6 | 2.52e6 | 47.2 | -5.6 | 0.725 | bb |

Compound name: 13C12-2,4'-DDT

Response Factor: 0.293058
 RRF SD: 0.0482986, Relative SD: 16.4809
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.89 | NO | 39.40 | 1.495 | 7.07e5 | 2.34e6 | 51.6 | 3.3 | 0.303 | MM |
| 2 | 191016K1_2 | 50.0 | 1.89 | NO | 39.40 | 1.495 | 1.02e6 | 3.89e6 | 44.6 | -10.7 | 0.262 | MM |
| 3 | 191016K1_3 | 50.0 | 1.91 | NO | 39.41 | 1.495 | 7.19e5 | 2.77e6 | 44.2 | -11.6 | 0.259 | MM |
| 4 | 191016K1_4 | 50.0 | 1.89 | NO | 39.41 | 1.494 | 1.13e6 | 4.01e6 | 48.2 | -3.5 | 0.283 | MM |
| 5 | 191016K1_5 | 50.0 | 1.87 | NO | 39.41 | 1.494 | 1.08e6 | 2.79e6 | 65.8 | 31.7 | 0.386 | MM |
| 6 | 191016K1_6 | 50.0 | 1.91 | NO | 39.40 | 1.495 | 6.71e5 | 2.52e6 | 45.5 | -9.1 | 0.266 | MM |

Compound name: 13C12-4,4'-DDD

Response Factor: 0.654461
 RRF SD: 0.0486499, Relative SD: 7.43357
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.56 | NO | 39.53 | 1.500 | 1.70e6 | 2.34e6 | 55.4 | 10.9 | 0.726 | db |
| 2 | 191016K1_2 | 50.0 | 1.57 | NO | 39.53 | 1.500 | 2.55e6 | 3.89e6 | 50.2 | 0.3 | 0.657 | db |
| 3 | 191016K1_3 | 50.0 | 1.62 | NO | 39.53 | 1.500 | 1.76e6 | 2.77e6 | 48.4 | -3.3 | 0.633 | db |
| 4 | 191016K1_4 | 50.0 | 1.60 | NO | 39.53 | 1.499 | 2.46e6 | 4.01e6 | 46.9 | -6.2 | 0.614 | db |
| 5 | 191016K1_5 | 50.0 | 1.59 | NO | 39.53 | 1.499 | 1.94e6 | 2.79e6 | 53.2 | 6.4 | 0.697 | db |
| 6 | 191016K1_6 | 50.0 | 1.59 | NO | 39.53 | 1.500 | 1.51e6 | 2.52e6 | 45.9 | -8.2 | 0.601 | db |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C12-4,4'-DDT

Response Factor: 0.190752
 RRF SD: 0.0449633, Relative SD: 23.5716
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.59 | NO | 40.60 | 1.540 | 4.34e5 | 2.34e6 | 48.7 | -2.7 | 0.186 | MM |
| 2 | 191016K1_2 | 50.0 | 1.57 | NO | 40.60 | 1.540 | 6.16e5 | 3.89e6 | 41.5 | -16.9 | 0.158 | MM |
| 3 | 191016K1_3 | 50.0 | 1.60 | NO | 40.60 | 1.540 | 4.46e5 | 2.77e6 | 42.2 | -15.6 | 0.161 | MM |
| 4 | 191016K1_4 | 50.0 | 1.63 | NO | 40.60 | 1.539 | 7.95e5 | 4.01e6 | 52.1 | 4.1 | 0.199 | MM |
| 5 | 191016K1_5 | 50.0 | 1.59 | NO | 40.60 | 1.539 | 7.71e5 | 2.79e6 | 72.5 | 45.0 | 0.277 | MM |
| 6 | 191016K1_6 | 50.0 | 1.59 | NO | 40.60 | 1.540 | 4.14e5 | 2.52e6 | 43.0 | -13.9 | 0.164 | MM |

Compound name: 13C9-Endosulfan Sulfate

Response Factor: 0.0202872
 RRF SD: 0.000715521, Relative SD: 3.52696
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.54 | NO | 41.78 | 1.154 | 4.81e4 | 2.34e6 | 50.7 | 1.4 | 0.0206 | MM |
| 2 | 191016K1_2 | 50.0 | 1.53 | NO | 41.78 | 1.154 | 7.87e4 | 3.89e6 | 49.9 | -0.1 | 0.0203 | MM |
| 3 | 191016K1_3 | 50.0 | 1.59 | NO | 41.78 | 1.153 | 5.77e4 | 2.77e6 | 51.3 | 2.6 | 0.0208 | MM |
| 4 | 191016K1_4 | 50.0 | 1.56 | NO | 41.78 | 1.153 | 7.72e4 | 4.01e6 | 47.5 | -5.0 | 0.0193 | MM |
| 5 | 191016K1_5 | 50.0 | 1.52 | NO | 41.78 | 1.153 | 5.90e4 | 2.79e6 | 52.1 | 4.3 | 0.0212 | MM |
| 6 | 191016K1_6 | 50.0 | 1.52 | NO | 41.78 | 1.153 | 4.95e4 | 2.52e6 | 48.4 | -3.2 | 0.0196 | bb |

Compound name: 13C12-Methoxychlor

Response Factor: 0.230843
 RRF SD: 0.023438, Relative SD: 10.1532
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|-------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 500 | 19.92 | NO | 43.64 | 1.205 | 5.68e6 | 2.34e6 | 526 | 5.3 | 0.243 | MM |
| 2 | 191016K1_2 | 500 | 19.73 | NO | 43.64 | 1.205 | 8.64e6 | 3.89e6 | 482 | -3.7 | 0.222 | MM |
| 3 | 191016K1_3 | 500 | 17.38 | NO | 43.64 | 1.205 | 5.85e6 | 2.77e6 | 457 | -8.7 | 0.211 | MM |
| 4 | 191016K1_4 | 500 | 18.50 | NO | 43.64 | 1.205 | 8.89e6 | 4.01e6 | 481 | -3.8 | 0.222 | MM |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C12-Methoxychlor

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|-------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191016K1_5 | 500 | 18.47 | NO | 43.64 | 1.205 | 7.60e6 | 2.79e6 | 591 | 18.2 | 0.273 | MM |
| 6 | 191016K1_6 | 500 | 17.76 | NO | 43.64 | 1.205 | 5.39e6 | 2.52e6 | 463 | -7.3 | 0.214 | MM |

Compound name: 13C10-Mirex

Response Factor: 0.221716

RRF SD: 0.00575413, Relative SD: 2.59527

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.56 | NO | 44.21 | 1.221 | 5.14e5 | 2.34e6 | 49.6 | -0.8 | 0.220 | bb |
| 2 | 191016K1_2 | 50.0 | 1.55 | NO | 44.21 | 1.221 | 8.47e5 | 3.89e6 | 49.1 | -1.7 | 0.218 | bd |
| 3 | 191016K1_3 | 50.0 | 1.60 | NO | 44.21 | 1.220 | 6.40e5 | 2.77e6 | 52.1 | 4.1 | 0.231 | bd |
| 4 | 191016K1_4 | 50.0 | 1.58 | NO | 44.21 | 1.220 | 8.62e5 | 4.01e6 | 48.5 | -2.9 | 0.215 | bd |
| 5 | 191016K1_5 | 50.0 | 1.62 | NO | 44.22 | 1.221 | 6.13e5 | 2.79e6 | 49.6 | -0.7 | 0.220 | bd |
| 6 | 191016K1_6 | 50.0 | 1.56 | NO | 44.21 | 1.220 | 5.70e5 | 2.52e6 | 51.0 | 2.0 | 0.226 | bb |

Compound name: 13C12-Endrin Aldehyde

Response Factor: 0.0326345

RRF SD: 0.00228712, Relative SD: 7.00827

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 500 | 0.44 | NO | 41.19 | 1.137 | 8.21e5 | 2.34e6 | 538 | 7.7 | 0.0351 | MM |
| 2 | 191016K1_2 | 500 | 0.45 | NO | 41.17 | 1.137 | 1.18e6 | 3.89e6 | 466 | -6.8 | 0.0304 | MM |
| 3 | 191016K1_3 | 500 | 0.42 | NO | 41.19 | 1.137 | 8.82e5 | 2.77e6 | 487 | -2.5 | 0.0318 | MM |
| 4 | 191016K1_4 | 500 | 0.43 | NO | 41.19 | 1.137 | 1.27e6 | 4.01e6 | 485 | -3.1 | 0.0316 | MM |
| 5 | 191016K1_5 | 500 | 0.46 | NO | 41.19 | 1.137 | 9.99e5 | 2.79e6 | 549 | 9.9 | 0.0359 | MM |
| 6 | 191016K1_6 | 500 | 0.44 | NO | 41.19 | 1.137 | 7.80e5 | 2.52e6 | 474 | -5.1 | 0.0310 | MM |

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-CRV.qld

Last Altered: Thursday, October 17, 2019 9:53:15 AM Pacific Daylight Time
 Printed: Thursday, October 17, 2019 11:18:48 AM Pacific Daylight Time

Compound name: 13C12-Endrin Ketone

Response Factor: 0.0267163

RRF SD: 0.00135536, Relative SD: 5.07317

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191016K1_1 | 500 | 0.45 | NO | 44.35 | 1.225 | 6.76e5 | 2.34e6 | 541 | 8.3 | 0.0289 | MM |
| 2 | 191016K1_2 | 500 | 0.46 | NO | 44.35 | 1.225 | 1.07e6 | 3.89e6 | 515 | 3.1 | 0.0275 | bb |
| 3 | 191016K1_3 | 500 | 0.44 | NO | 44.35 | 1.224 | 7.24e5 | 2.77e6 | 489 | -2.3 | 0.0261 | bb |
| 4 | 191016K1_4 | 500 | 0.47 | NO | 44.35 | 1.224 | 1.02e6 | 4.01e6 | 475 | -5.1 | 0.0254 | bb |
| 5 | 191016K1_5 | 500 | 0.46 | NO | 44.36 | 1.225 | 7.48e5 | 2.79e6 | 502 | 0.5 | 0.0268 | bb |
| 6 | 191016K1_6 | 500 | 0.47 | NO | 44.35 | 1.224 | 6.43e5 | 2.52e6 | 478 | -4.4 | 0.0255 | bb |

Compound name: 13C-PCB-15

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 191016K1_1 | 50.0 | 1.49 | NO | 26.36 | 1.000 | 2.34e6 | 2.34e6 | 50.0 | 0.0 | 1.00 | bb |
| 2 | 191016K1_2 | 50.0 | 1.50 | NO | 26.36 | 1.000 | 3.89e6 | 3.89e6 | 50.0 | 0.0 | 1.00 | bb |
| 3 | 191016K1_3 | 50.0 | 1.50 | NO | 26.36 | 1.000 | 2.77e6 | 2.77e6 | 50.0 | 0.0 | 1.00 | bb |
| 4 | 191016K1_4 | 50.0 | 1.50 | NO | 26.37 | 1.000 | 4.01e6 | 4.01e6 | 50.0 | 0.0 | 1.00 | bb |
| 5 | 191016K1_5 | 50.0 | 1.50 | NO | 26.37 | 1.000 | 2.79e6 | 2.79e6 | 50.0 | 0.0 | 1.00 | bb |
| 6 | 191016K1_6 | 50.0 | 1.50 | NO | 26.36 | 1.000 | 2.52e6 | 2.52e6 | 50.0 | 0.0 | 1.00 | bb |

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:39:38 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 9:40:28 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:04:38

Compound name: Hexachlorobutadiene

| Name | ID | Acq.Date | Acq.Time |
|-------------|---------------------------------|-----------|----------|
| 191016K1_1 | ST191016K1-1 1699 CS1 19H0202 | 16-Oct-19 | 15:25:07 |
| 191016K1_2 | ST191016K1-2 1699 CS2 19H0203 | 16-Oct-19 | 16:21:07 |
| 191016K1_3 | ST191016K1-3 1699 CS3.5 19H0205 | 16-Oct-19 | 17:07:52 |
| 191016K1_4 | ST191016K1-4 1699 CS4 19H0206 | 16-Oct-19 | 17:57:16 |
| 191016K1_5 | ST191016K1-5 1699 CS5 19H0207 | 16-Oct-19 | 18:46:50 |
| 191016K1_6 | ST191016K1-6 1699 CS3 19H0204 | 16-Oct-19 | 19:37:10 |
| 191016K1_7 | SS191016K1-1 1699 SS 19H0208 | 16-Oct-19 | 20:25:51 |
| 191016K1_8 | GC191016K1-1 GC BREAK | 16-Oct-19 | 21:15:23 |
| 191016K1_9 | B9I0077-BS7 OPR 1 | 16-Oct-19 | 22:05:01 |
| 191016K1_10 | B9I0077-BS6 OPR 1 | 16-Oct-19 | 22:55:37 |
| 191016K1_11 | B9I0077-BS5 OPR 1 | 16-Oct-19 | 23:44:46 |
| 191016K1_12 | B9I0077-BS4 OPR 1 | 17-Oct-19 | 00:33:29 |
| 191016K1_13 | B9I0077-BS3 OPR 1 | 17-Oct-19 | 01:24:12 |
| 191016K1_14 | B9I0077-BS2 OPR 1 | 17-Oct-19 | 02:13:20 |
| 191016K1_15 | B9I0077-BS1 OPR 1 | 17-Oct-19 | 03:02:02 |
| 191016K1_16 | SOLVENT BLANK | 17-Oct-19 | 03:51:37 |
| 191016K1_17 | B9I0077-BLK1 Method Blank 1 | 17-Oct-19 | 04:41:12 |
| 191016K1_18 | B9I0162-BLK1 Method Blank 1 | 17-Oct-19 | 05:30:44 |
| 191016K1_19 | B9I0163-BLK1 Method Blank 1 | 17-Oct-19 | 06:21:29 |
| 191016K1_20 | B9I0078-BLK1 Method Blank 1 | 17-Oct-19 | 07:10:32 |

Dataset: Untitled

Last Altered: Thursday, October 17, 2019 10:49:50 AM Pacific Daylight Time
Printed: Thursday, October 17, 2019 10:51:48 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 17 Oct 2019 10:48:50
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:04:38

Name: 191016K1_8, Date: 16-Oct-2019, Time: 21:15:23, ID: GC191016K1-1 GC BREAK, Description: GC BREAK

| # | Name | Resp | RA | n/y | RT |
|---|-------------------|--------|------|-----|-------|
| 1 | 1 Endrin Aldehyde | 5.65e3 | 0.59 | NO | 41.22 |
| 2 | 2 Endrin Ketone | 8.46e3 | 0.59 | NO | 44.38 |
| 3 | 3 Endrin | 3.86e5 | 1.52 | NO | 39.07 |
| 4 | 4 4,4'-DDE | | | NO | |
| 5 | 5 4,4'-DDD | 7.81e4 | 1.37 | NO | 39.56 |
| 6 | 6 4,4'-DDT | 5.47e6 | 1.51 | NO | 40.63 |

GRB 10/17/19

$$\frac{EA + EK}{E} \times 100\% = 3.66\%$$

$$\frac{DDE + DDD}{DDT} \times 100\% = 1.43\%$$

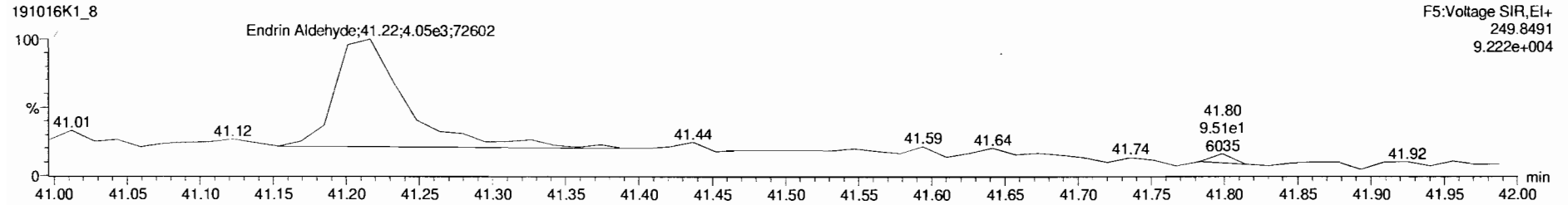
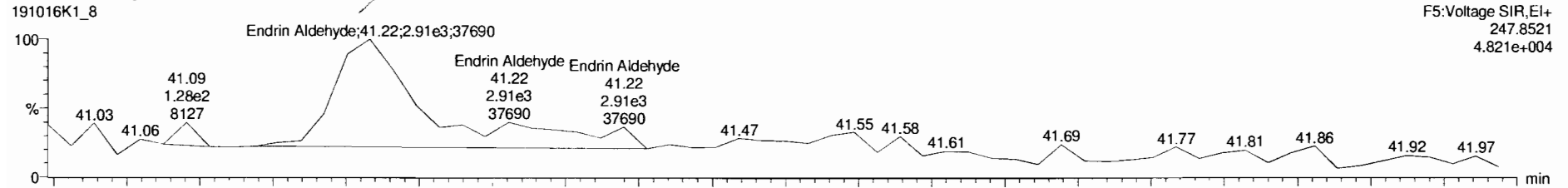
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 10:56:54 AM Pacific Daylight Time
Printed: Thursday, October 17, 2019 10:57:13 AM Pacific Daylight Time

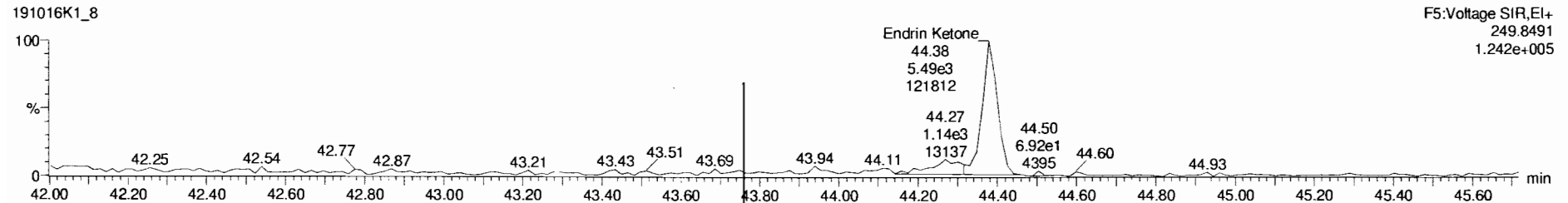
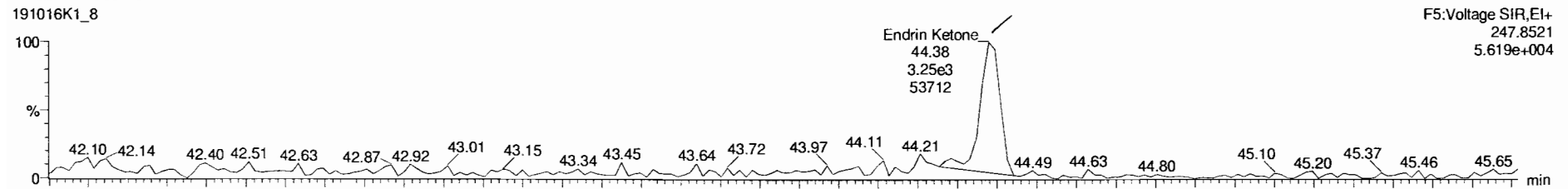
Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 17 Oct 2019 10:48:50
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:04:38

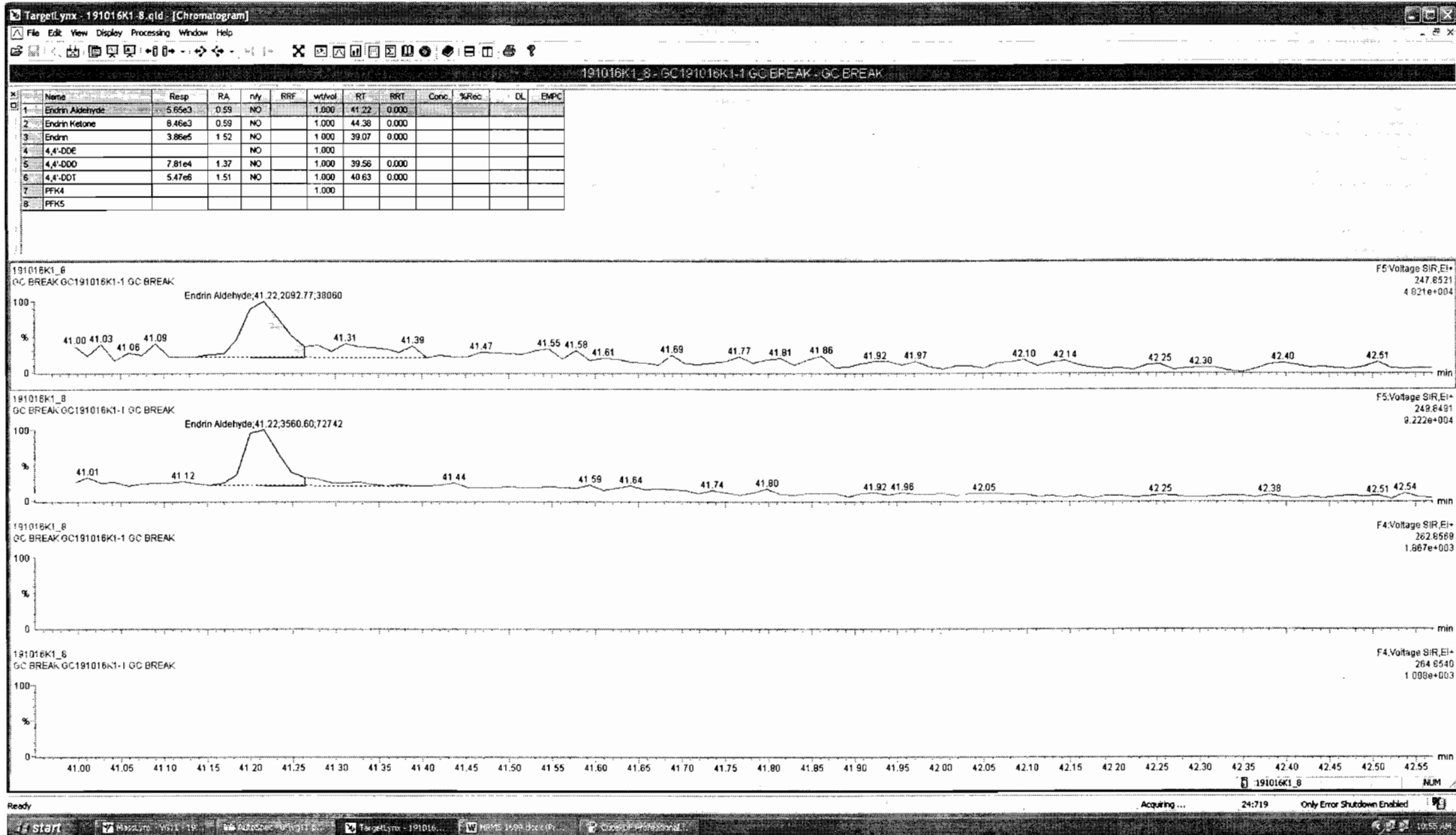
Name: 191016K1_8, Date: 16-Oct-2019, Time: 21:15:23, ID: GC191016K1-1 GC BREAK, Description: GC BREAK

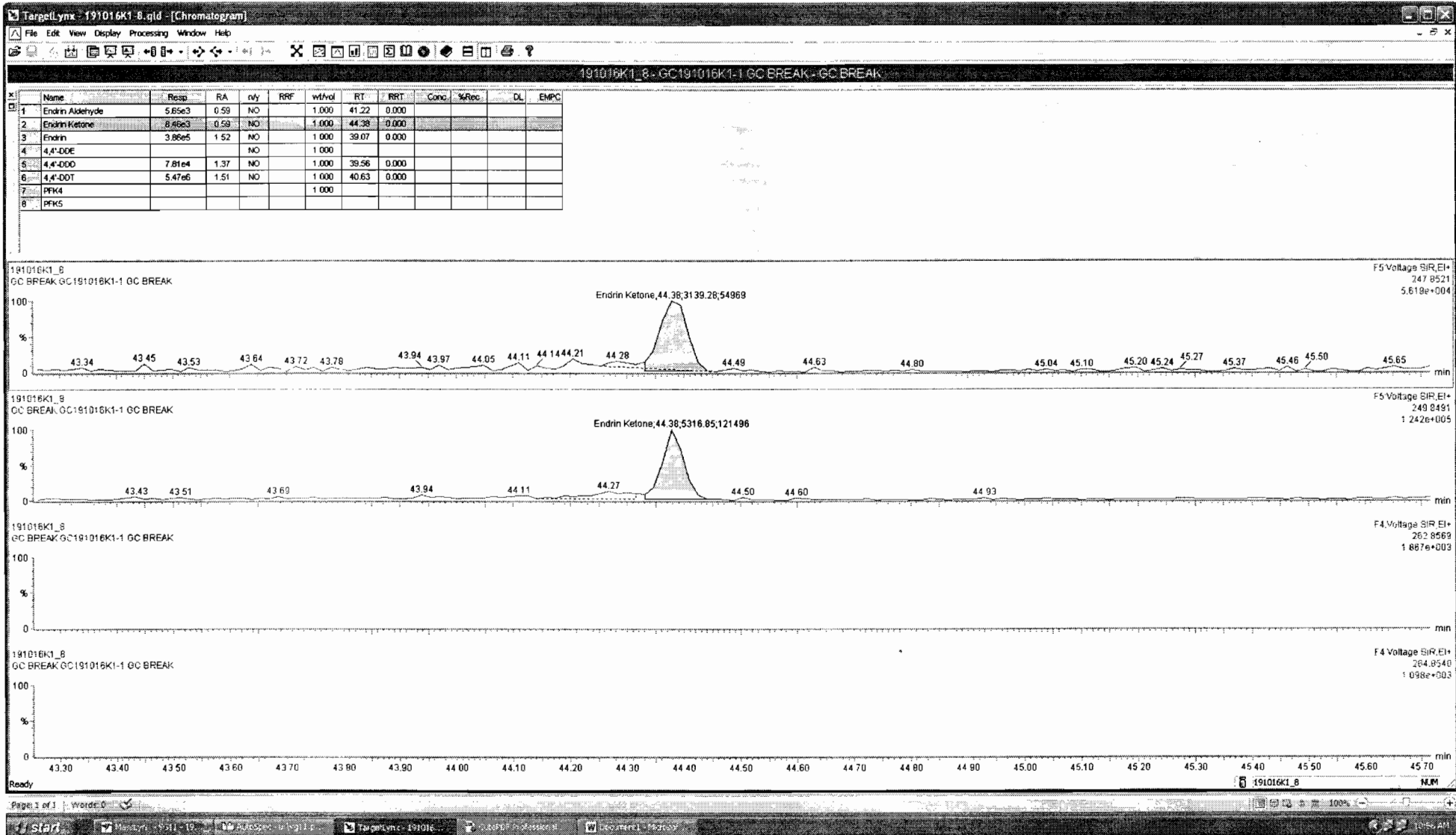
Endrin Aldehyde



Endrin Ketone





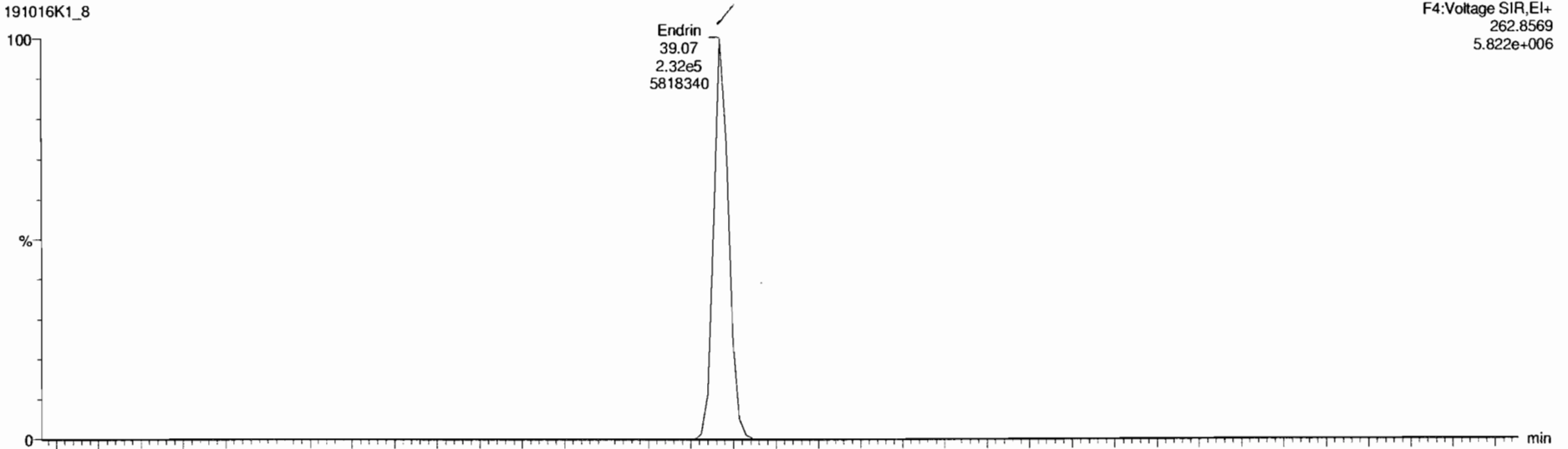


Dataset: Untitled

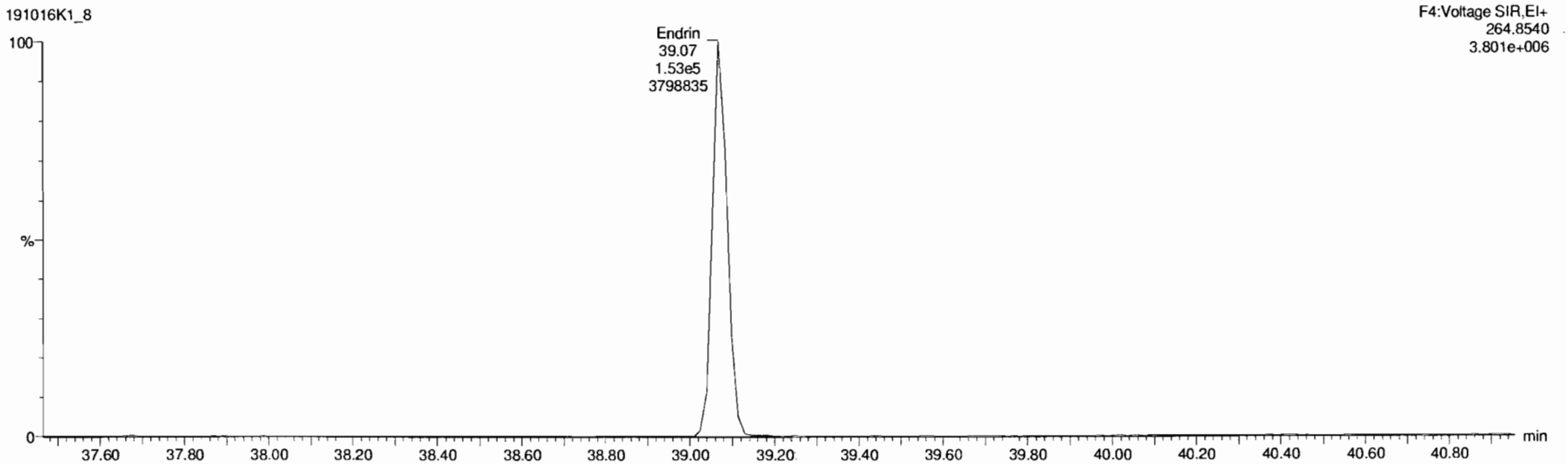
Last Altered: Thursday, October 17, 2019 10:56:54 AM Pacific Daylight Time
Printed: Thursday, October 17, 2019 10:57:13 AM Pacific Daylight Time

Name: 191016K1_8, Date: 16-Oct-2019, Time: 21:15:23, ID: GC191016K1-1 GC BREAK, Description: GC BREAK

Endrin
191016K1_8



191016K1_8



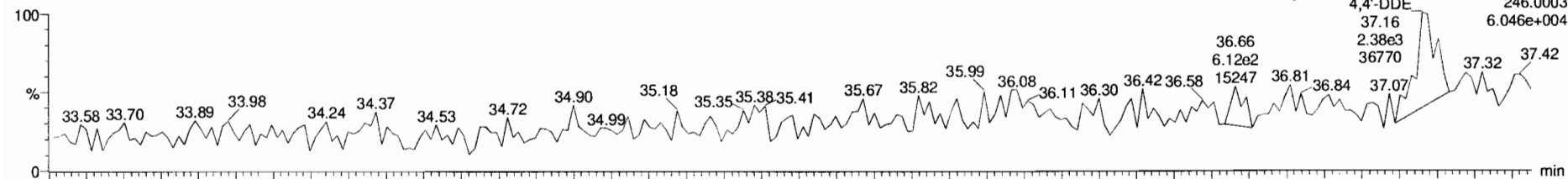
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 10:56:54 AM Pacific Daylight Time
Printed: Thursday, October 17, 2019 10:57:13 AM Pacific Daylight Time

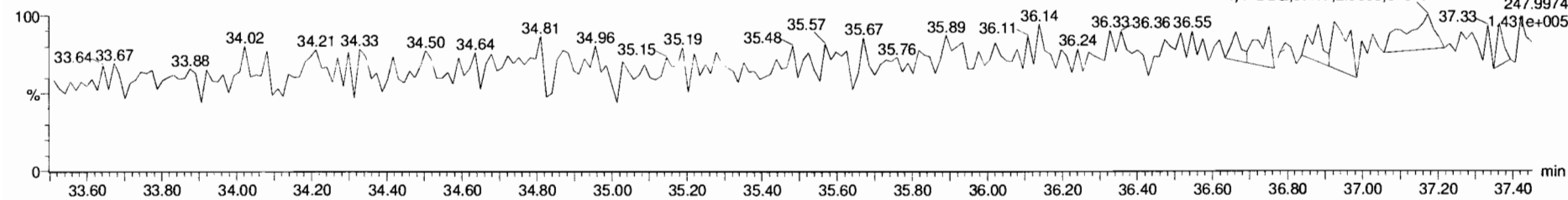
Name: 191016K1_8, Date: 16-Oct-2019, Time: 21:15:23, ID: GC191016K1-1 GC BREAK, Description: GC BREAK

4,4'-DDE

191016K1_8

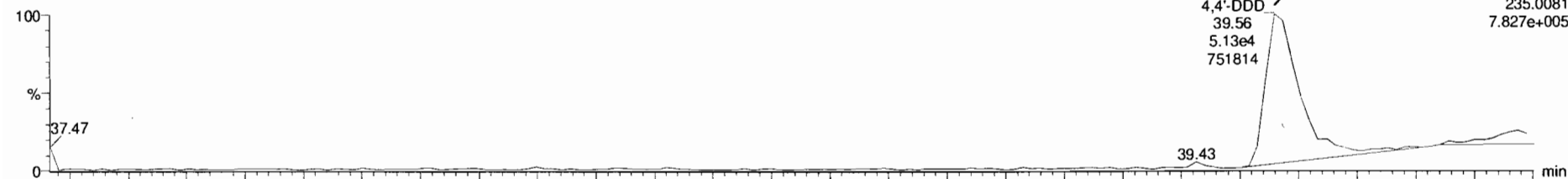


191016K1_8

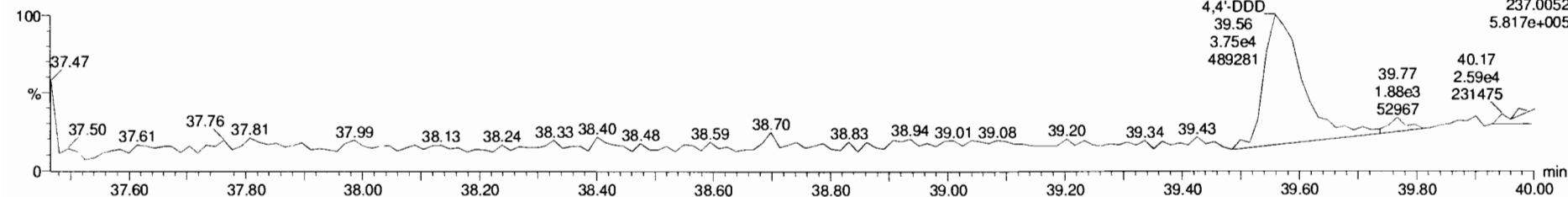


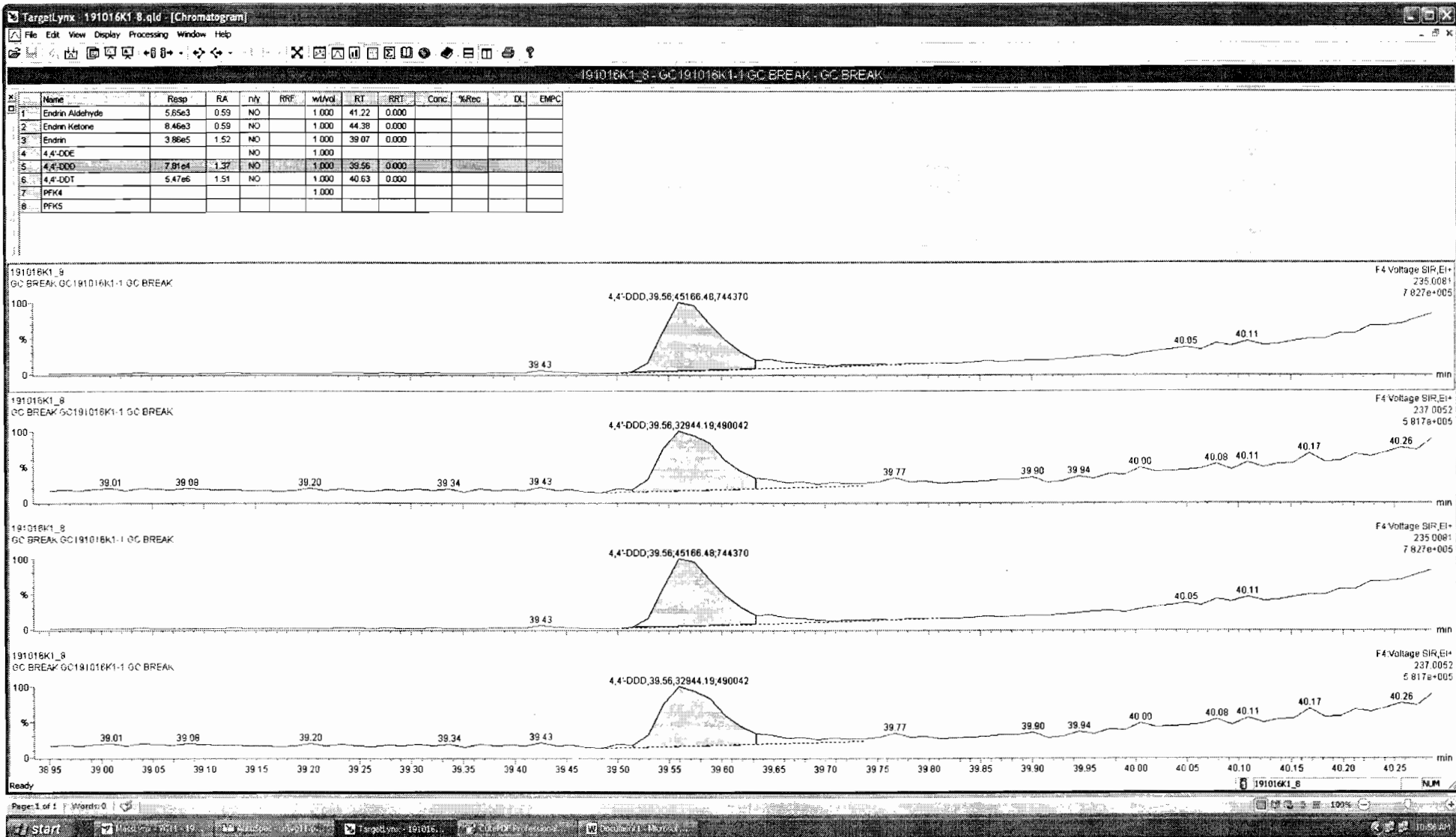
4,4'-DDD

191016K1_8



191016K1_8





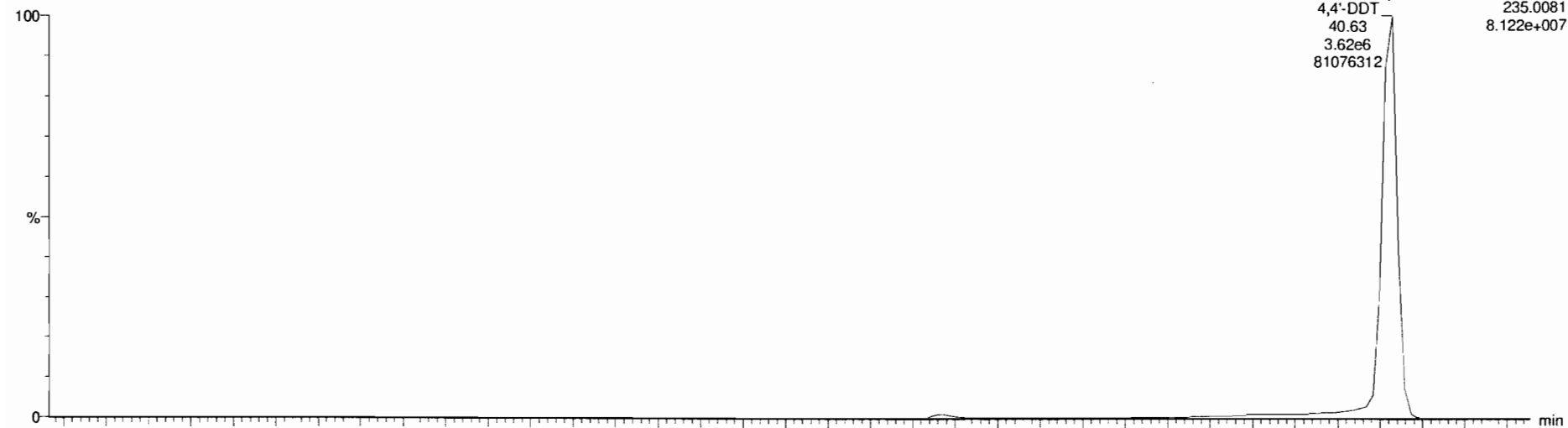
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 10:56:54 AM Pacific Daylight Time
Printed: Thursday, October 17, 2019 10:57:13 AM Pacific Daylight Time

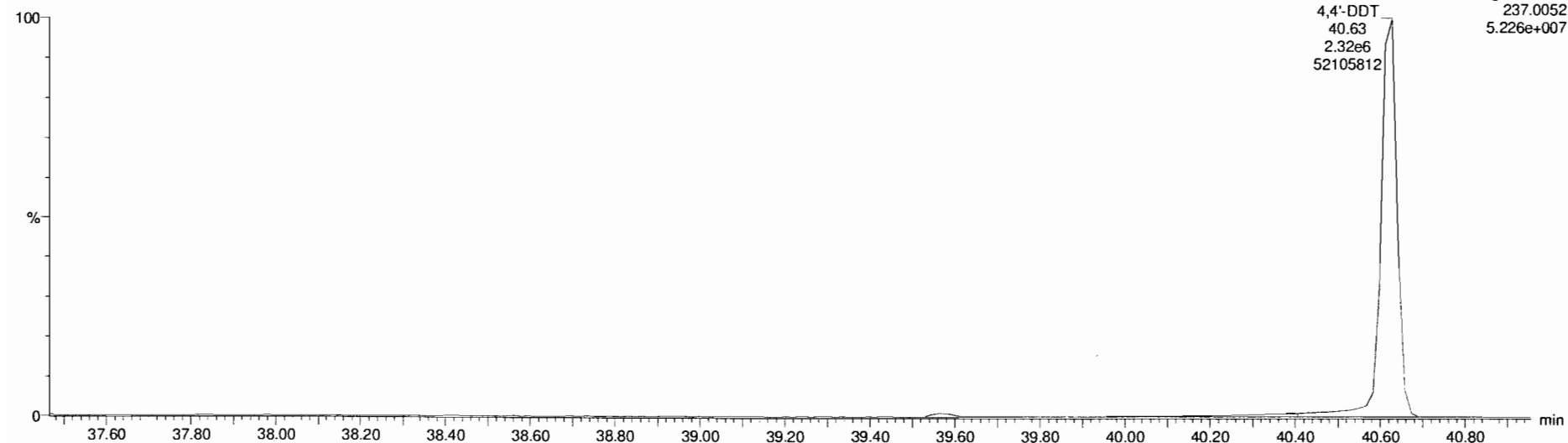
Name: 191016K1_8, Date: 16-Oct-2019, Time: 21:15:23, ID: GC191016K1-1 GC BREAK, Description: GC BREAK

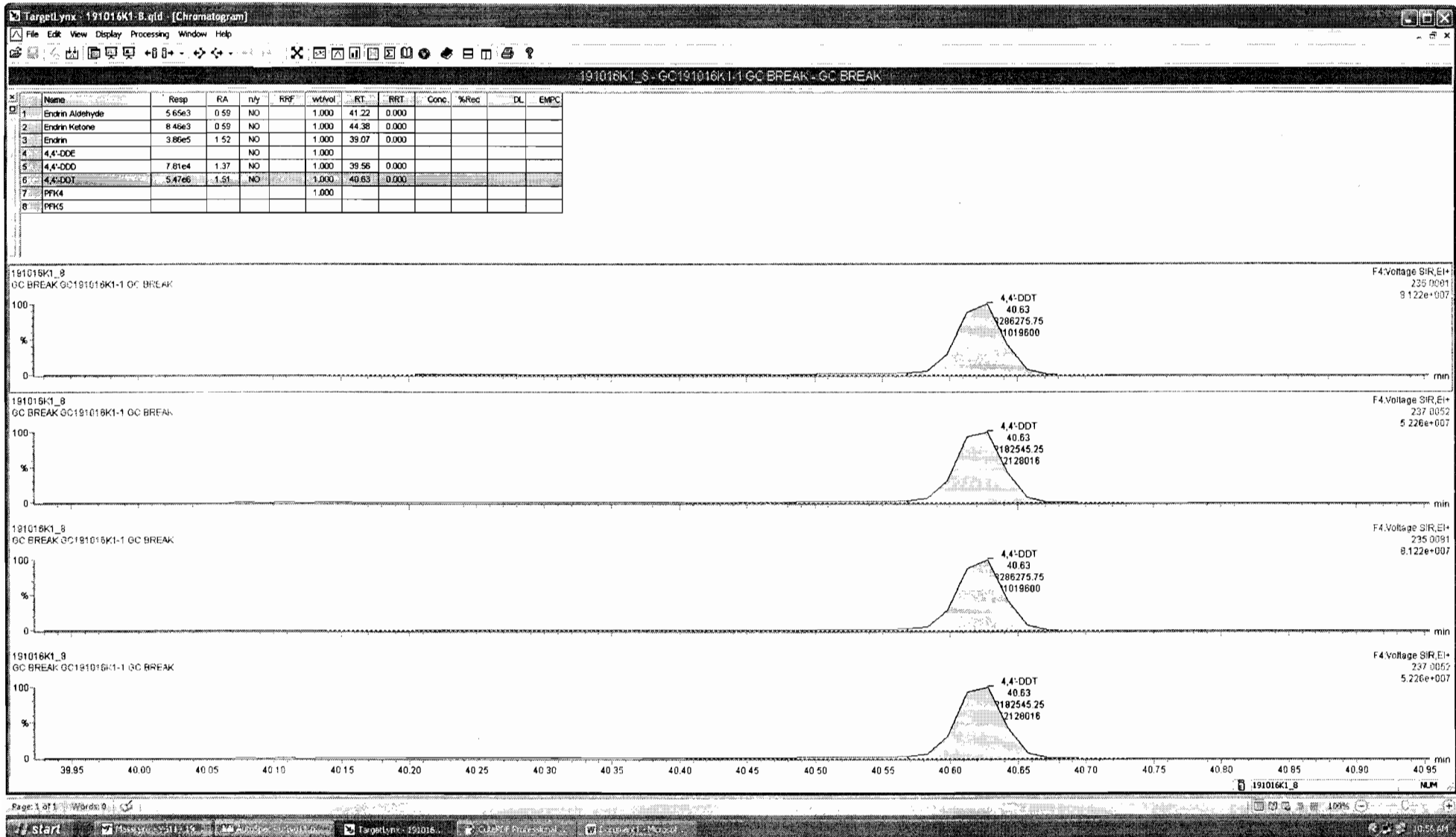
4,4'-DDT

191016K1_8



191016K1_8

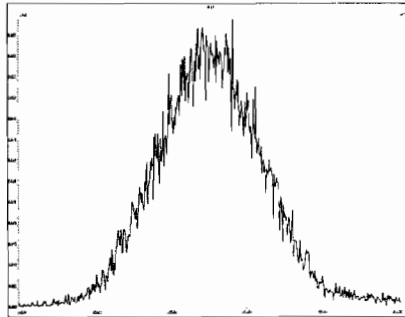




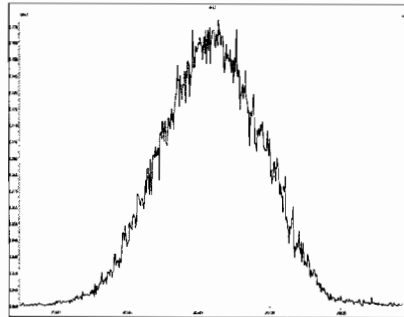
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, October 16, 2019 15:20:14 Pacific Daylight Time

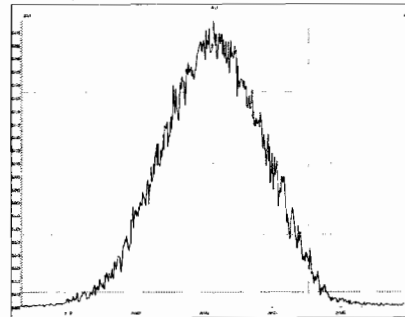
M 254.9856 R 8169



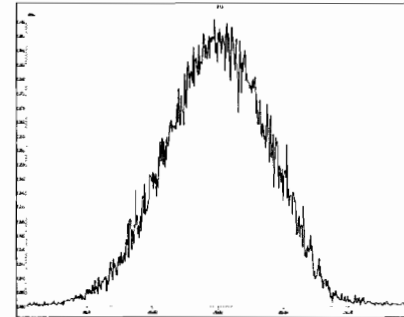
M 268.9824 R 8385



M 280.9824 R 8560



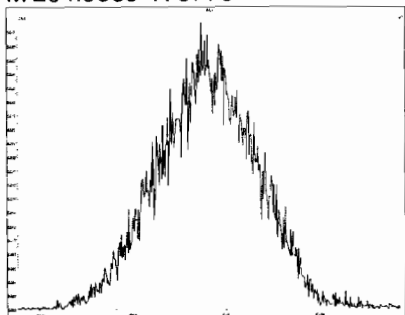
M 292.9824 R 8275



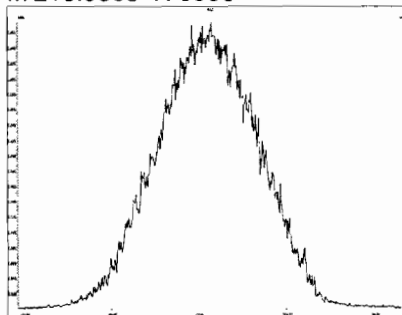
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, October 16, 2019 15:20:51 Pacific Daylight Time

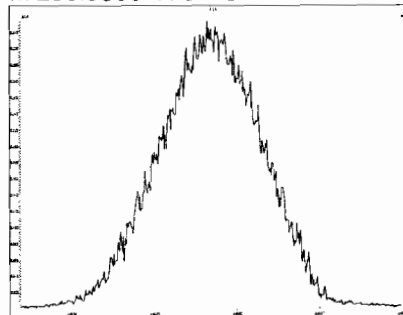
M 204.9888 R 8770



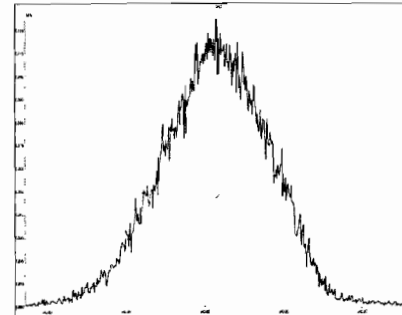
M 218.9856 R 8590



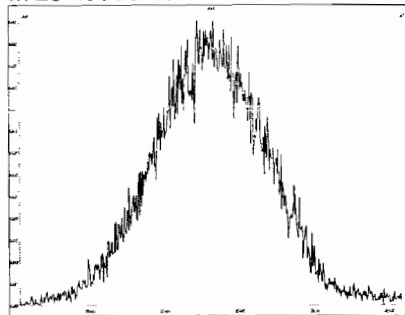
M 230.9856 R 8446



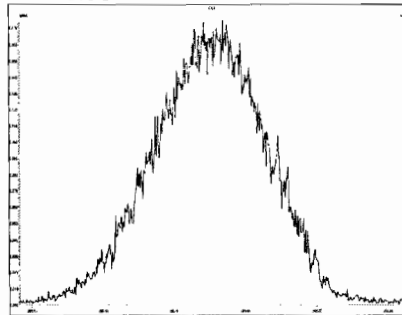
M 242.9856 R 7835



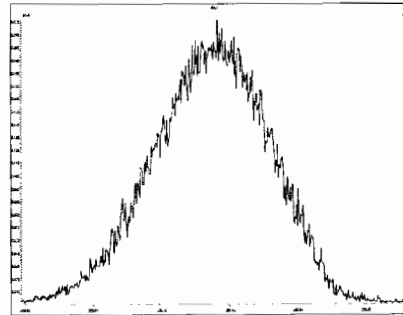
M 254.9856 R 7376



M 268.9824 R 7487



M 280.9824 R 7267



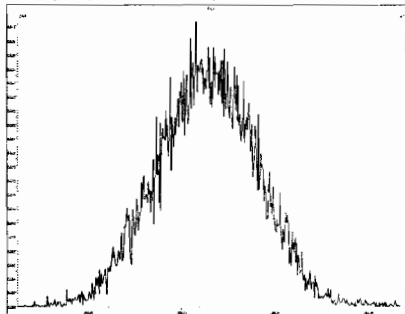
Experiment Calibration Report

MassLynx 4.1 SCN815

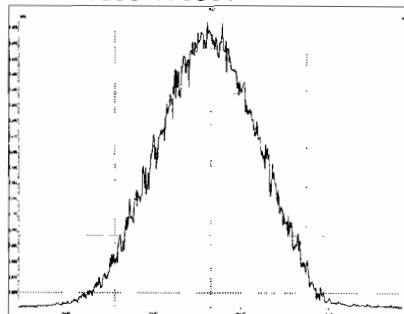
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, October 16, 2019 15:21:34 Pacific Daylight Time

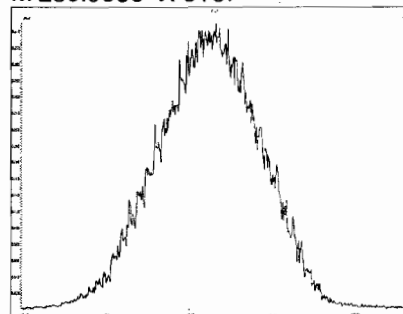
M 204.9888 R 8709



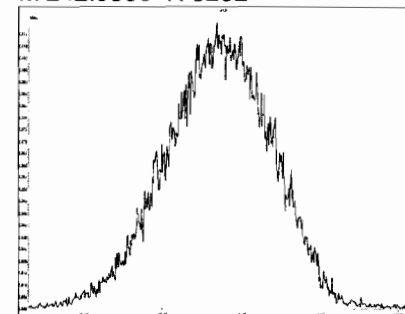
M 218.9856 R 8561



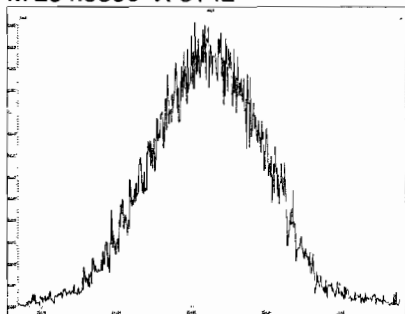
M 230.9856 R 8167



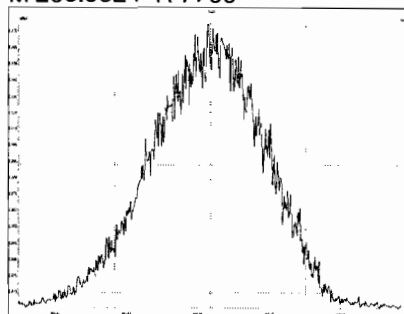
M 242.9856 R 8252



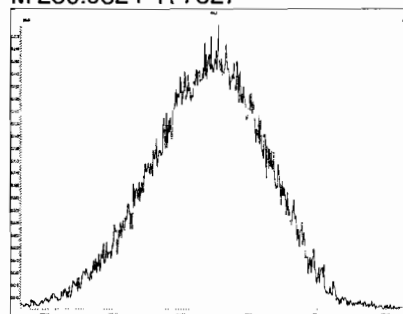
M 254.9856 R 8142



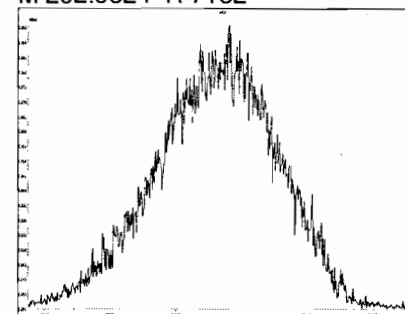
M 268.9824 R 7766



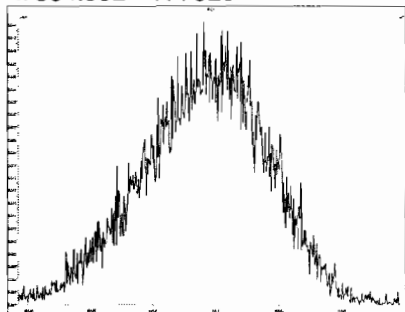
M 280.9824 R 7327



M 292.9824 R 7182



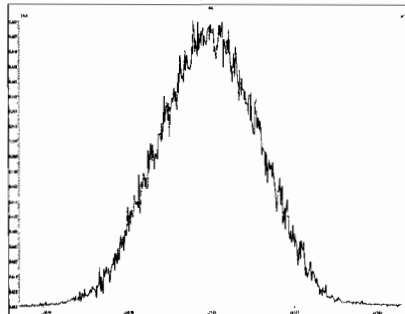
M 304.9824 R 7023



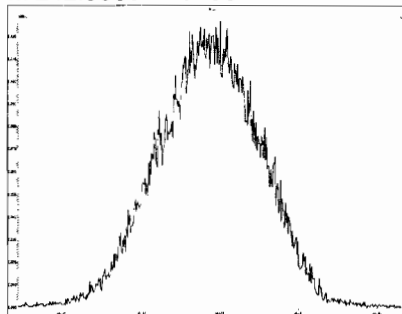
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, October 16, 2019 15:22:47 Pacific Daylight Time

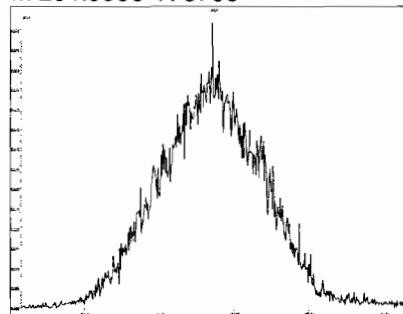
M 230.9856 R 8864



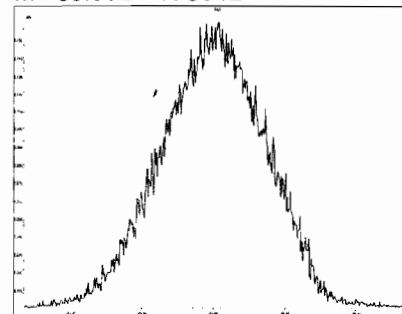
M 242.9856 R 8196



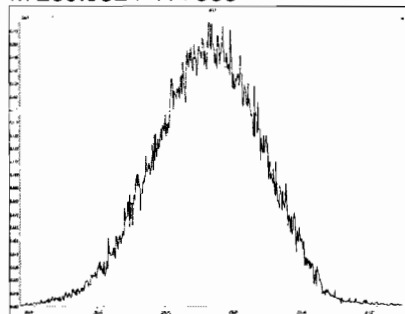
M 254.9856 R 8708



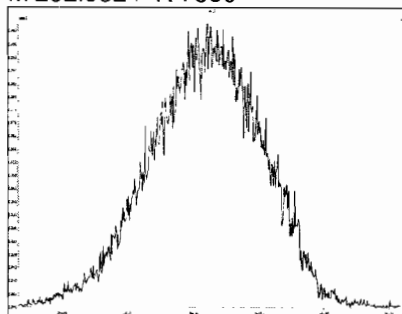
M 268.9824 R 8042



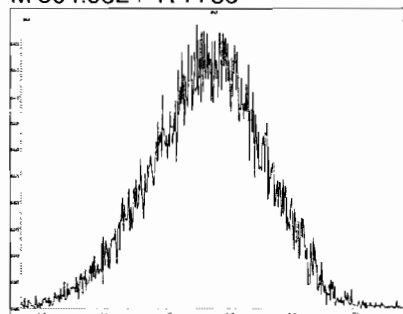
M 280.9824 R 7888



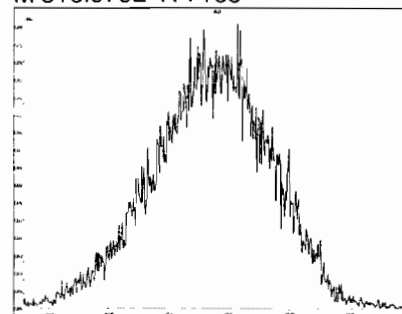
M 292.9824 R 7530



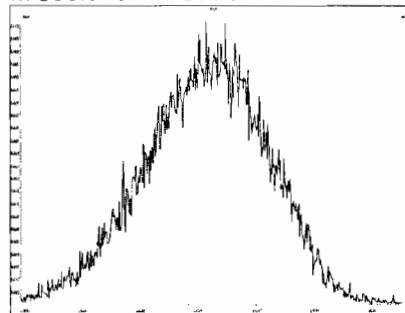
M 304.9824 R 7738



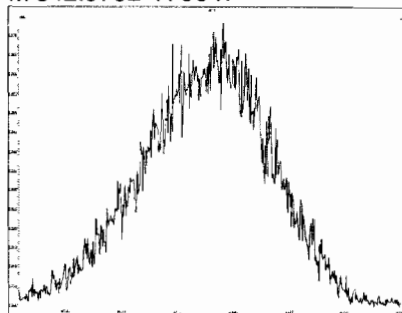
M 318.9792 R 7185



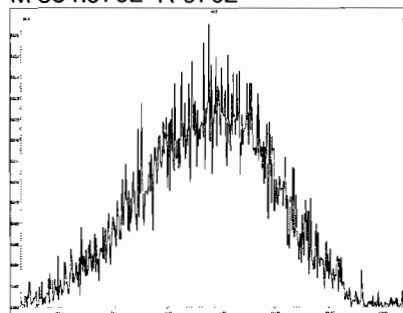
M 330.9792 R 6774



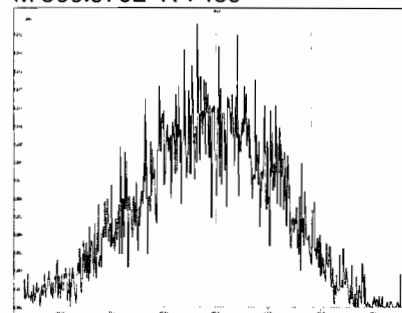
M 342.9792 R 6647



M 354.9792 R 6702



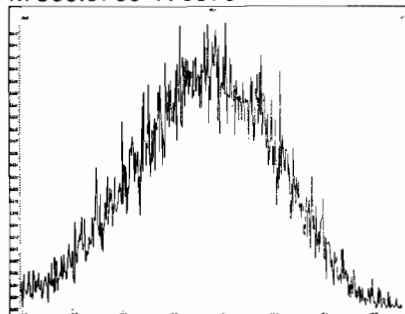
M 366.9792 R 7439



File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, October 16, 2019 15:22:47 Pacific Daylight Time

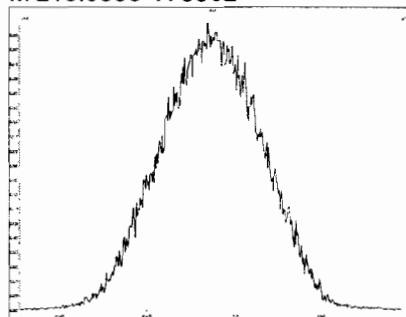
M 380.9760 R 6378



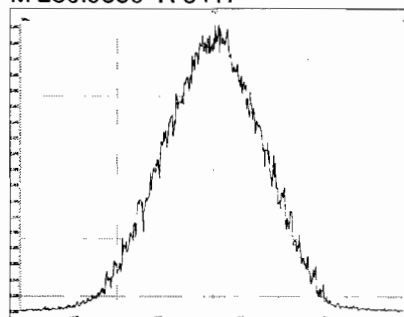
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, October 16, 2019 15:23:52 Pacific Daylight Time

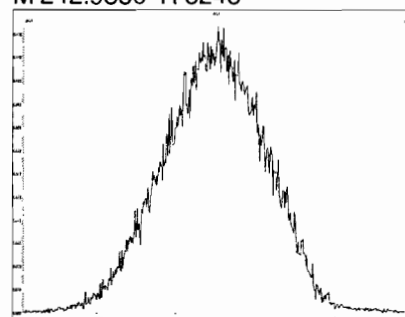
M 218.9856 R 8502



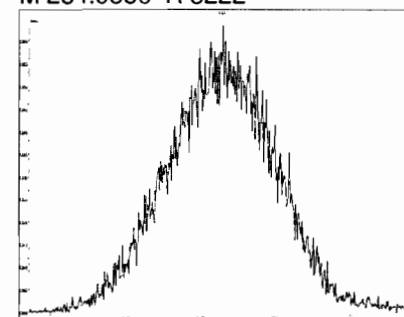
M 230.9856 R 8417



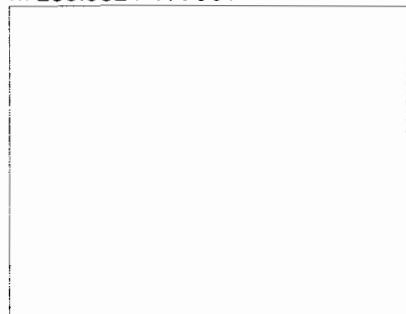
M 242.9856 R 8248



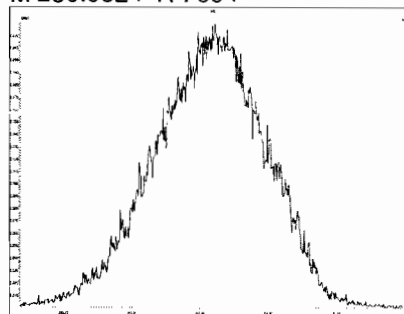
M 254.9856 R 8222



M 268.9824 R 7961



M 280.9824 R 7694



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

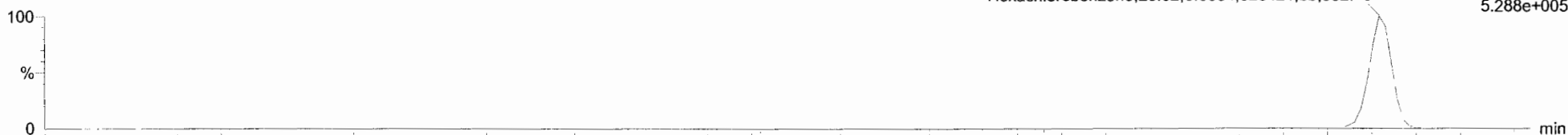
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:04:38

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Hexachlorobenzene

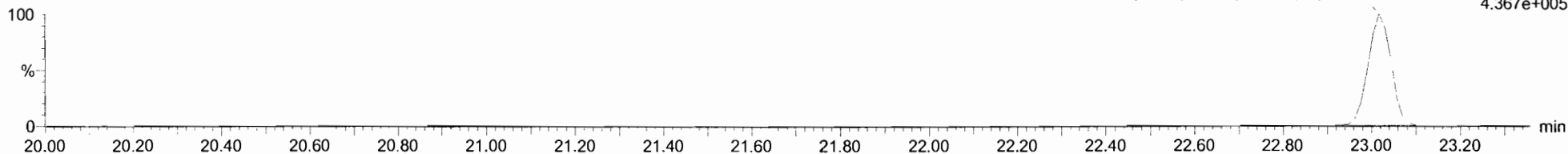
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

Hexachlorobenzene;23.02;3.06e4;528421;bb;552.13
F1:Voltage SIR,EI+
283.8102
5.288e+005



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

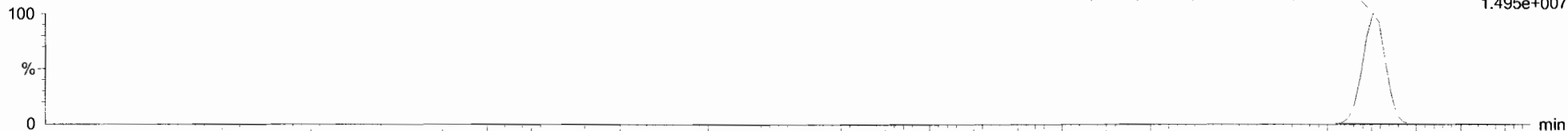
Hexachlorobenzene;23.02;2.56e4;435158;bb;482.87
F1:Voltage SIR,EI+
285.8072
4.367e+005



13C6-Hexachlorobenzene

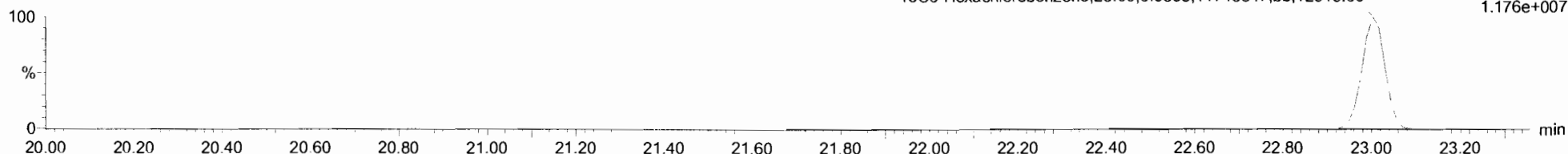
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

13C6-Hexachlorobenzene;23.00;8.86e5;14942092;bb;16408.88
F1:Voltage SIR,EI+
289.8303
1.495e+007



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

13C6-Hexachlorobenzene;23.00;6.93e5;11743847;bb;12919.60
F1:Voltage SIR,EI+
291.8273
1.176e+007



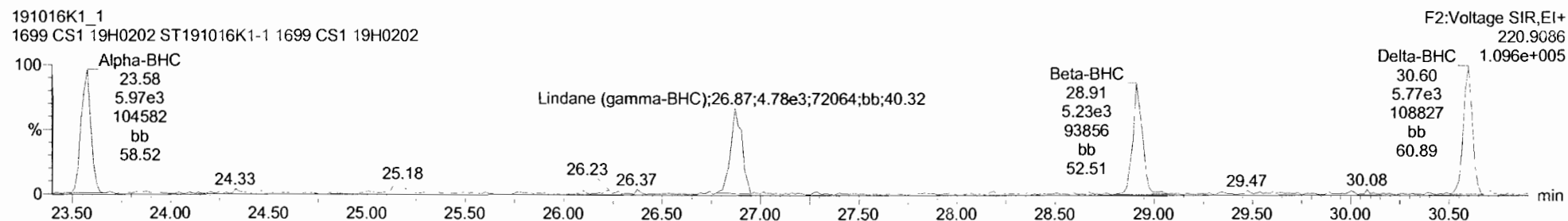
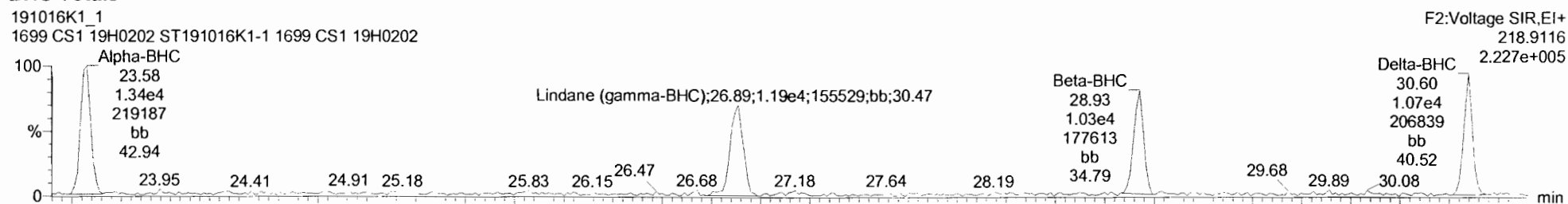
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

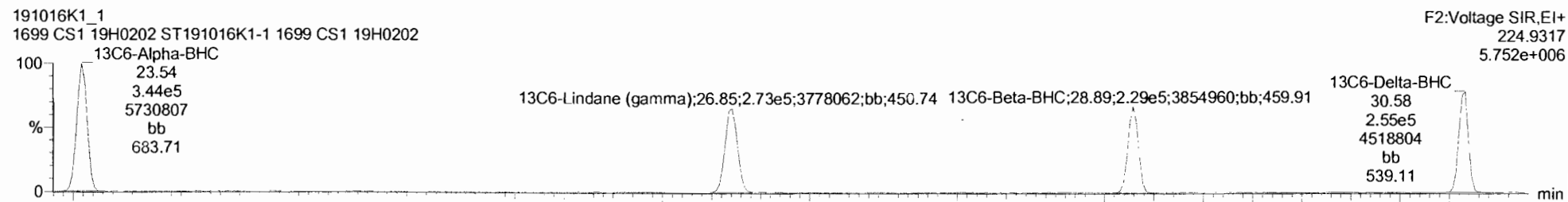
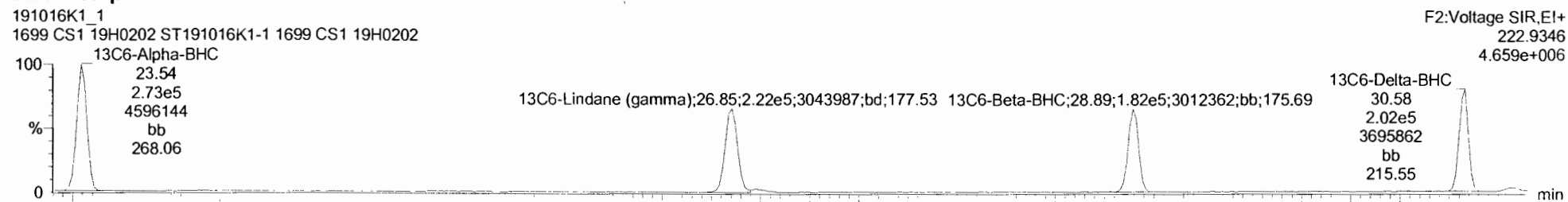
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

BHC Totals

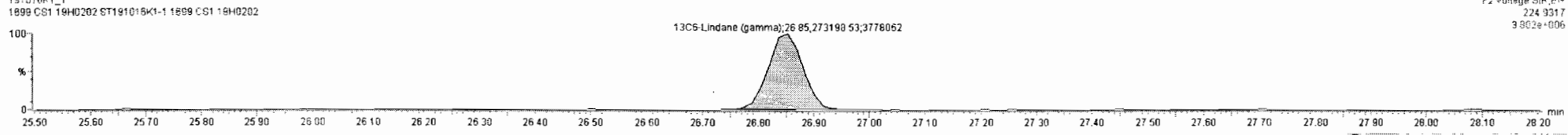
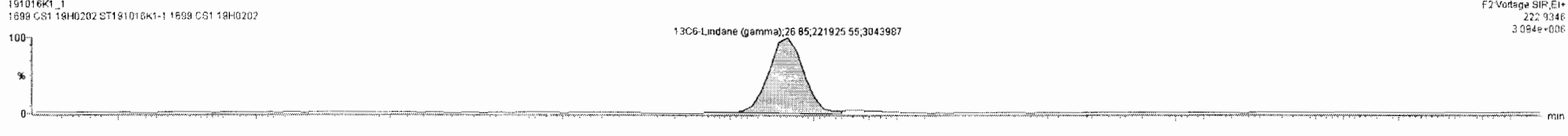
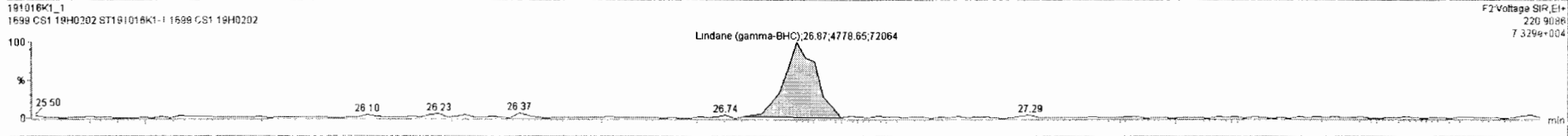
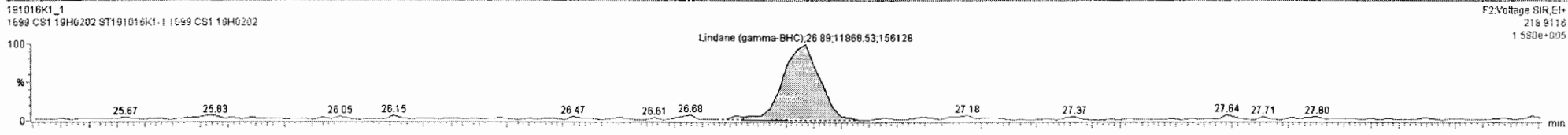


BHC-isotopes



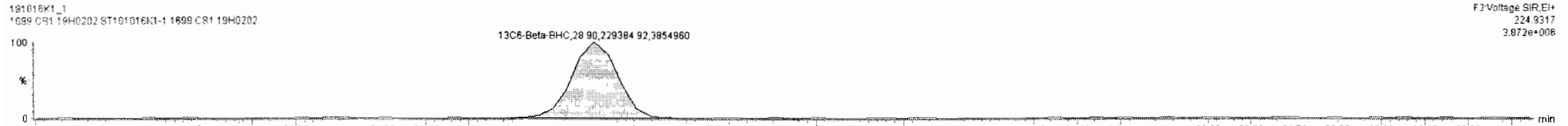
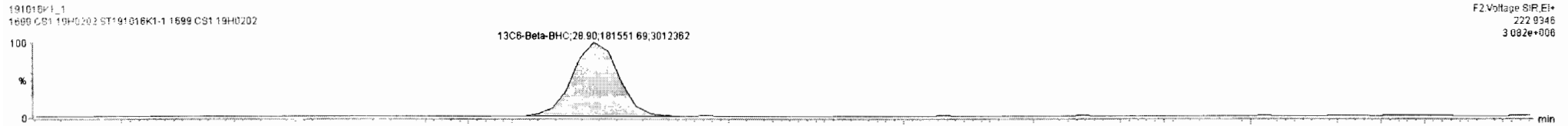
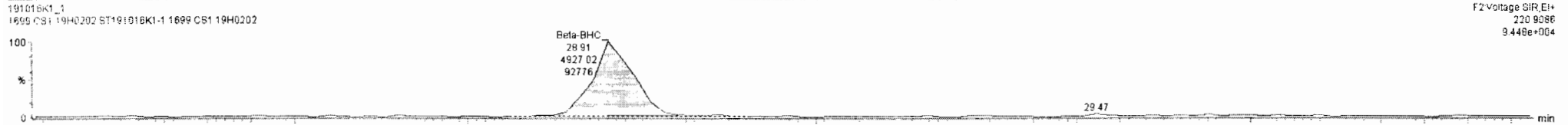
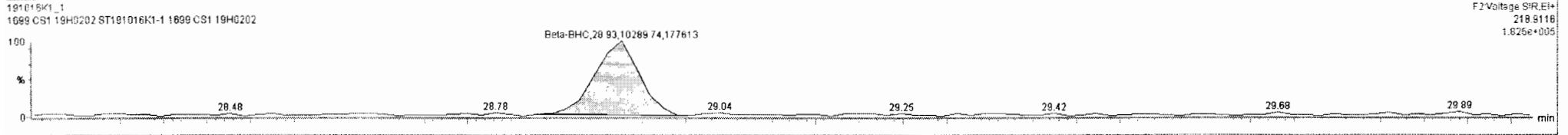
191016K1_1 - ST191016K1-1 1699 CS1 19H0202 - 1699 CS1 19H0202

| Name | Resp | RA | n/y | RRF | wt/vol | RT | RRT | Conc | %Rec | DL | EMPC |
|-----------------------------|--------|------|-----|------|--------|-------|-------|------|------|--------|------|
| 1 Hexachlorobutadiene | 2.01e4 | 0.12 | YES | 0.07 | 1.000 | 10.26 | 1.000 | 47.5 | 475 | 0.203 | 9.40 |
| 2 Hexachlorobenzene | 5.63e4 | 1.19 | NO | 0.86 | 1.000 | 23.02 | 1.001 | 2.1 | 104 | 0.0102 | 2.08 |
| 3 Alpha-BHC | 1.94e4 | 2.24 | NO | 0.76 | 1.000 | 23.58 | 1.001 | 2.1 | 104 | 0.109 | 2.07 |
| 4 Lindane (gamma-BHC) | 1.66e4 | 2.48 | NO | 0.77 | 1.000 | 26.89 | 1.001 | 2.2 | 110 | 0.166 | 2.13 |
| 5 Beta-BHC | 1.52e4 | 2.09 | NO | 0.89 | 1.000 | 26.93 | 1.001 | 2.1 | 104 | 0.142 | 2.08 |
| 6 Delta-BHC | 1.61e4 | 1.83 | NO | 0.84 | 1.000 | 30.80 | 1.000 | 2.1 | 105 | 0.123 | 2.10 |
| 7 Heptachlor | 8.99e3 | 0.99 | NO | 0.95 | 1.000 | 29.06 | 1.002 | 2.1 | 106 | 0.0735 | 2.12 |
| 8 4,4'-DDNU | 2.83e4 | 2.86 | NO | 1.45 | 1.000 | 30.50 | 0.997 | 2.1 | 107 | 0.165 | 2.13 |
| 9 Aldrin | 1.55e4 | 1.58 | NO | 0.96 | 1.000 | 31.16 | 1.001 | 2.1 | 103 | 0.100 | 2.07 |
| 10 Oxychloridene | 4.41e3 | 1.30 | NO | 0.95 | 1.000 | 33.73 | 1.000 | 2.1 | 104 | 0.325 | 2.09 |
| 11 cis-Heptachlor Epoxide | 6.27e3 | 1.47 | NO | 0.97 | 1.000 | 34.52 | 1.000 | 2.2 | 110 | 0.229 | 2.20 |
| 12 trans-Heptachlor Epoxide | 1.65e3 | 1.39 | NO | 0.25 | 1.000 | 35.01 | 1.015 | 2.3 | 114 | 0.904 | 2.29 |
| 13 trans-Chlordane (gamma) | 4.77e3 | 1.37 | NO | 1.00 | 1.000 | 35.42 | 1.001 | 2.1 | 107 | 0.290 | 2.14 |

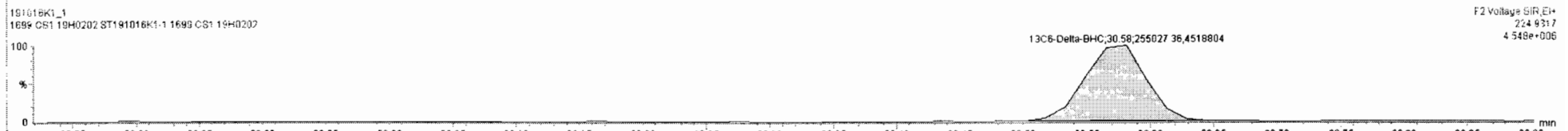
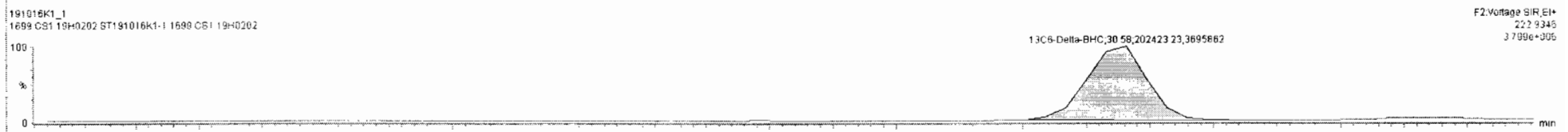
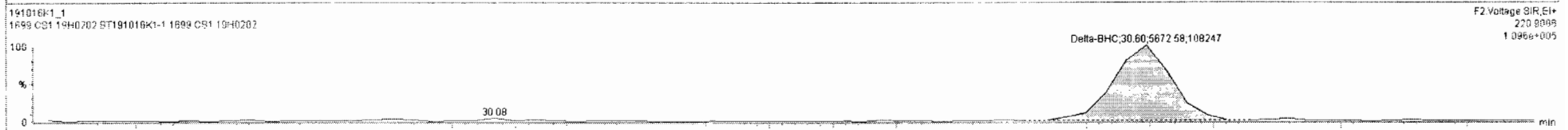
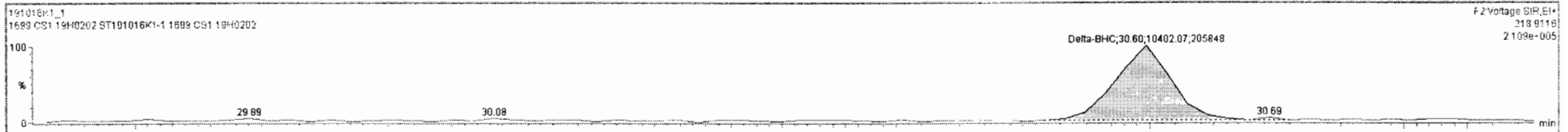


191016K1_1 - ST191016K1-1 1699 CS1 19H0202 - 1699 CS1 19H0202

| # | Name | Resp | RA | n/y | RRF | wtVol | RT | RRT | Conc | %Rec | DL | EMPC |
|----|--------------------------|--------|------|-----|------|-------|-------|-------|------|------|--------|------|
| 1 | Hexachlorobutadiene | 2.01e4 | 0.12 | YES | 0.07 | 1.000 | 10.26 | 1.000 | 47.5 | 475 | 0.203 | 9.40 |
| 2 | Hexachlorobenzene | 5.63e4 | 1.19 | NO | 0.86 | 1.000 | 23.02 | 1.001 | 2.1 | 104 | 0.0102 | 2.08 |
| 3 | Alpha-BHC | 1.94e4 | 2.24 | NO | 0.76 | 1.000 | 23.58 | 1.001 | 2.1 | 104 | 0.109 | 2.07 |
| 4 | Lindane (gamma-BHC) | 1.66e4 | 2.48 | NO | 0.77 | 1.000 | 26.89 | 1.001 | 2.2 | 110 | 0.166 | 2.19 |
| 5 | Beta-BHC | 1.52e4 | 2.09 | NO | 0.89 | 1.000 | 28.93 | 1.001 | 2.1 | 104 | 0.142 | 2.08 |
| 6 | Delta-BHC | 1.61e4 | 1.83 | NO | 0.84 | 1.000 | 30.60 | 1.000 | 2.1 | 105 | 0.123 | 2.10 |
| 7 | Heptachlor | 8.99e3 | 0.98 | NO | 0.95 | 1.000 | 29.06 | 1.002 | 2.1 | 106 | 0.0735 | 2.12 |
| 8 | 4,4'-DDMU | 2.83e4 | 2.86 | NO | 1.45 | 1.000 | 30.50 | 0.997 | 2.1 | 107 | 0.165 | 2.13 |
| 9 | Aldrin | 1.55e4 | 1.58 | NO | 0.96 | 1.000 | 31.16 | 1.001 | 2.1 | 103 | 0.100 | 2.07 |
| 10 | Oxychlorane | 4.41e3 | 1.30 | NO | 0.95 | 1.000 | 33.73 | 1.000 | 2.1 | 104 | 0.325 | 2.09 |
| 11 | cas-Heptachlor Epoxide | 6.27e3 | 1.47 | NO | 0.97 | 1.000 | 34.52 | 1.000 | 2.2 | 110 | 0.229 | 2.20 |
| 12 | trans-Heptachlor Epoxide | 1.65e3 | 1.39 | NO | 0.25 | 1.000 | 35.01 | 1.015 | 2.3 | 114 | 0.904 | 2.29 |
| 13 | trans-Chlordane (gamma) | 4.77e3 | 1.37 | NO | 1.00 | 1.000 | 35.42 | 1.001 | 2.1 | 107 | 0.290 | 2.14 |



| # | Name | Resp | RA | n/y | RRF | wtVol | RT | RRT | Conc. | %Rec | DL | EMPC |
|----|--------------------------|--------|------|-----|------|-------|-------|-------|-------|------|--------|------|
| 1 | Hexachlorobutadiene | 2.01e4 | 0.12 | YES | 0.07 | 1.000 | 10.28 | 1.000 | 47.5 | 475 | 0.203 | 9.40 |
| 2 | Hexachlorobenzene | 5.53e4 | 1.19 | NO | 0.86 | 1.000 | 23.02 | 1.001 | 2.1 | 104 | 0.0102 | 2.08 |
| 3 | Alpha-BHC | 1.96e4 | 2.24 | NO | 0.76 | 1.000 | 23.58 | 1.001 | 2.1 | 104 | 0.109 | 2.07 |
| 4 | Lindane (gamma-BHC) | 1.65e4 | 2.48 | NO | 0.77 | 1.000 | 26.89 | 1.001 | 2.2 | 110 | 0.166 | 2.19 |
| 5 | Beta-BHC | 1.52e4 | 2.09 | NO | 0.85 | 1.000 | 28.93 | 1.001 | 2.1 | 104 | 0.142 | 2.08 |
| 6 | Delta-BHC | 1.81e4 | 1.83 | NO | 0.84 | 1.000 | 30.60 | 1.000 | 2.1 | 105 | 0.129 | 2.10 |
| 7 | Heptachlor | 8.99e3 | 0.98 | NO | 0.95 | 1.000 | 29.06 | 1.002 | 2.1 | 106 | 0.0735 | 2.12 |
| 8 | 4,4'-DDE | 2.83e4 | 2.86 | NO | 1.45 | 1.000 | 30.50 | 0.997 | 2.1 | 107 | 0.165 | 2.13 |
| 9 | Aldrin | 1.55e4 | 1.56 | NO | 0.96 | 1.000 | 31.16 | 1.001 | 2.1 | 103 | 0.100 | 2.07 |
| 10 | Oxychlorane | 4.41e3 | 1.30 | NO | 0.95 | 1.000 | 33.73 | 1.000 | 2.1 | 104 | 0.325 | 2.09 |
| 11 | cis-Heptachlor Epoxide | 6.27e3 | 1.47 | NO | 0.97 | 1.000 | 34.52 | 1.000 | 2.2 | 110 | 0.229 | 2.20 |
| 12 | trans-Heptachlor Epoxide | 1.65e3 | 1.39 | NO | 0.25 | 1.000 | 35.01 | 1.015 | 2.3 | 114 | 0.904 | 2.29 |
| 13 | trans-Chlordane (gamma) | 4.77e3 | 1.37 | NO | 1.00 | 1.000 | 35.42 | 1.001 | 2.1 | 107 | 0.290 | 2.14 |



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

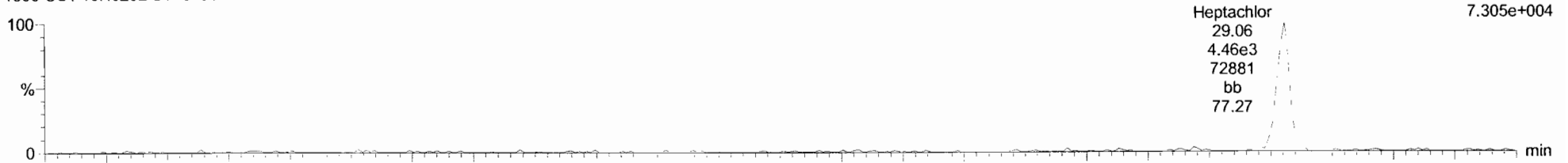
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Heptachlor

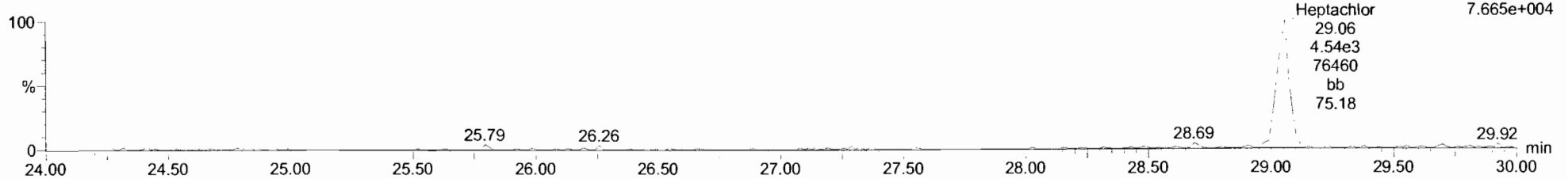
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
271.8102
7.305e+004



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

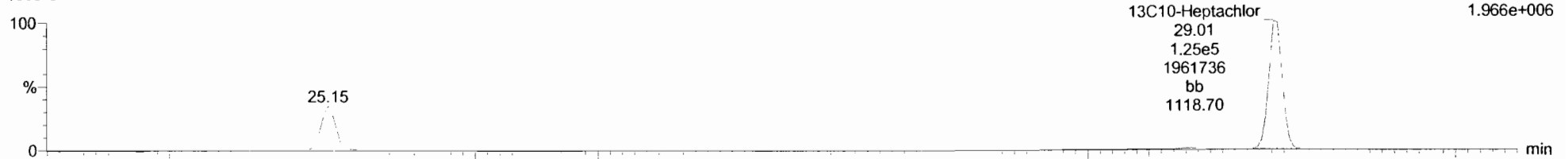
F2:Voltage SIR,EI+
273.8072
7.665e+004



13C10-Heptachlor

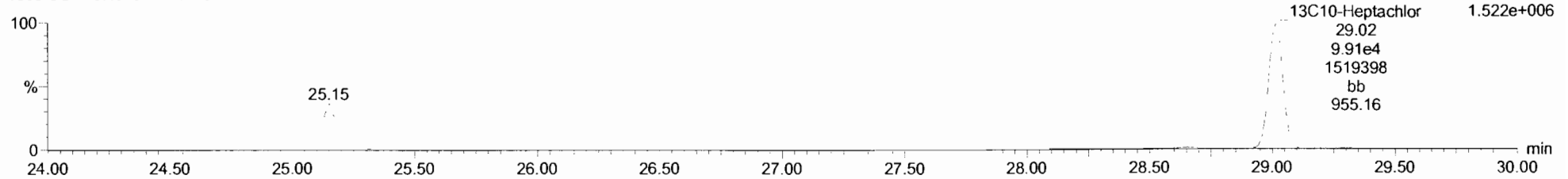
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

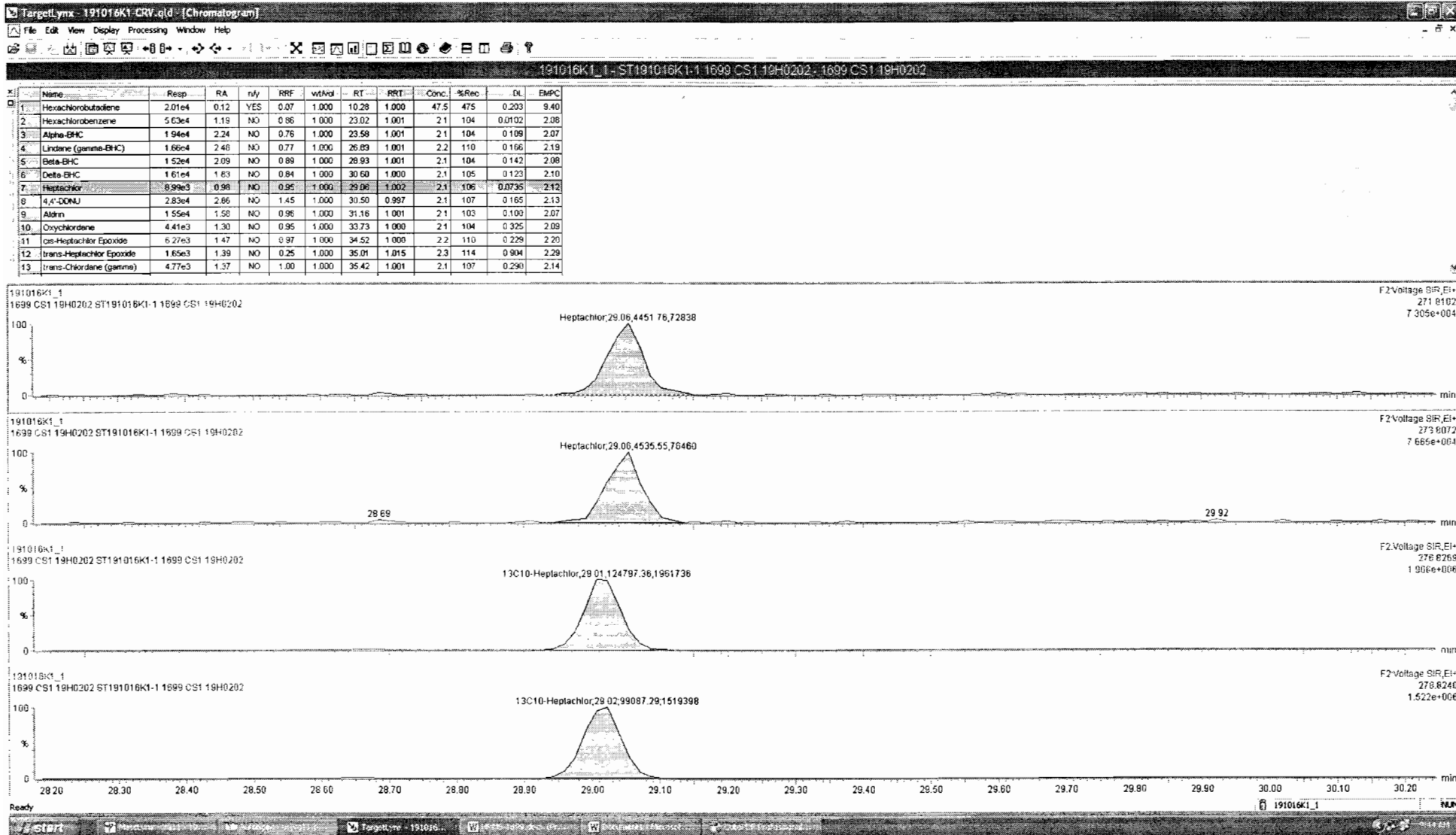
F2:Voltage SIR,EI+
276.8269
1.966e+006



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
278.8240
1.522e+006





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

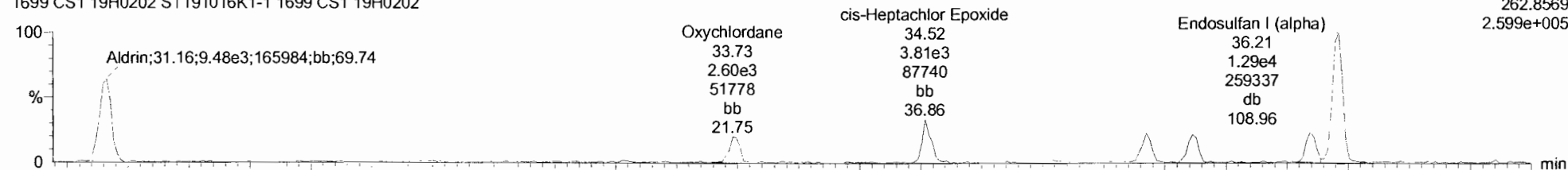
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Aldrin-EI

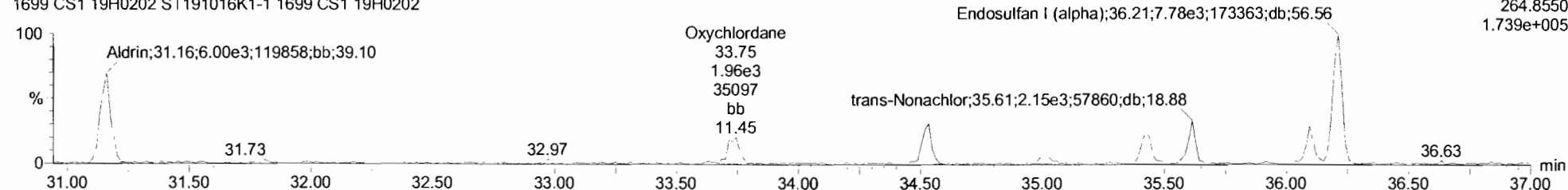
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
262.8569
2.599e+005



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

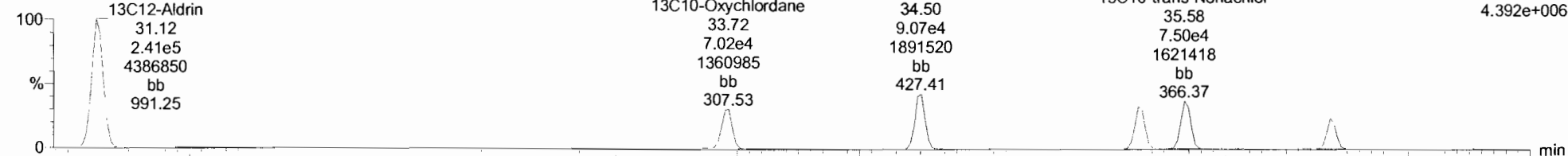
F3:Voltage SIR,EI+
264.8550
1.739e+005



Aldrin-EI-isotopes

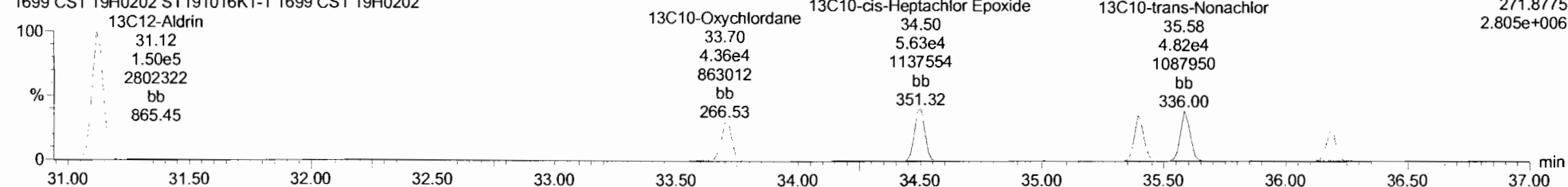
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

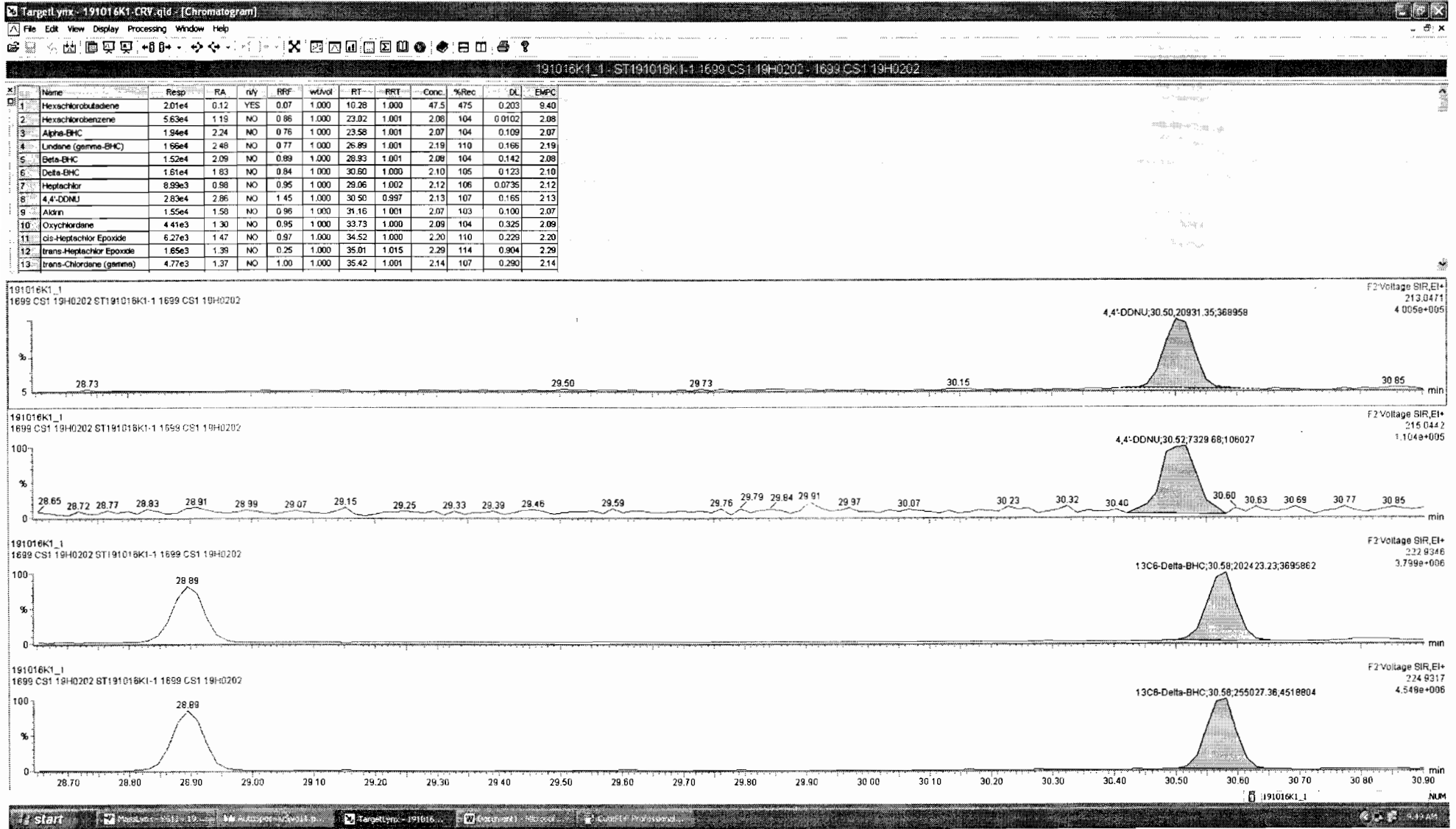
F3:Voltage SIR,EI+
269.8804
4.392e+006

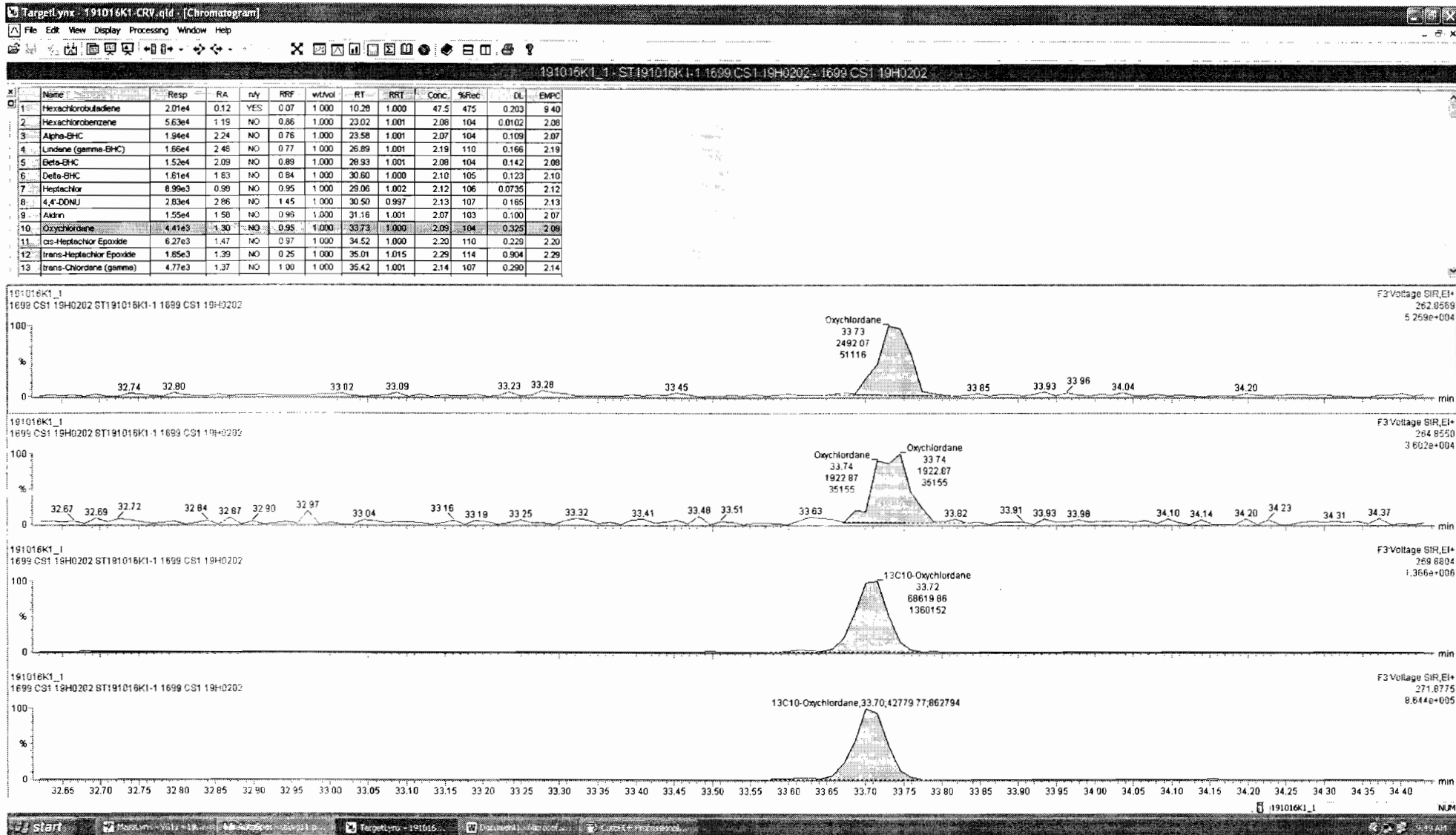


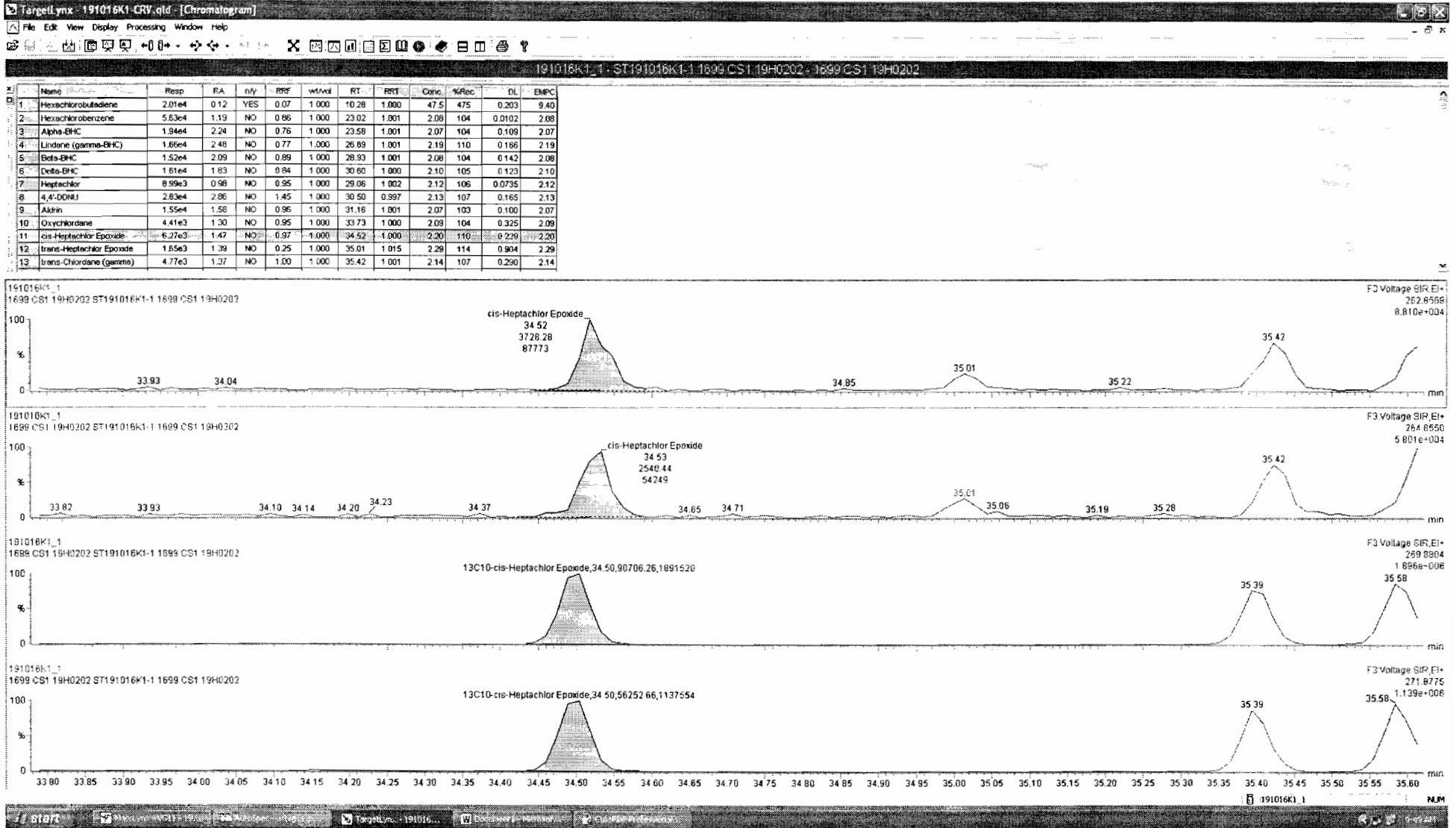
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

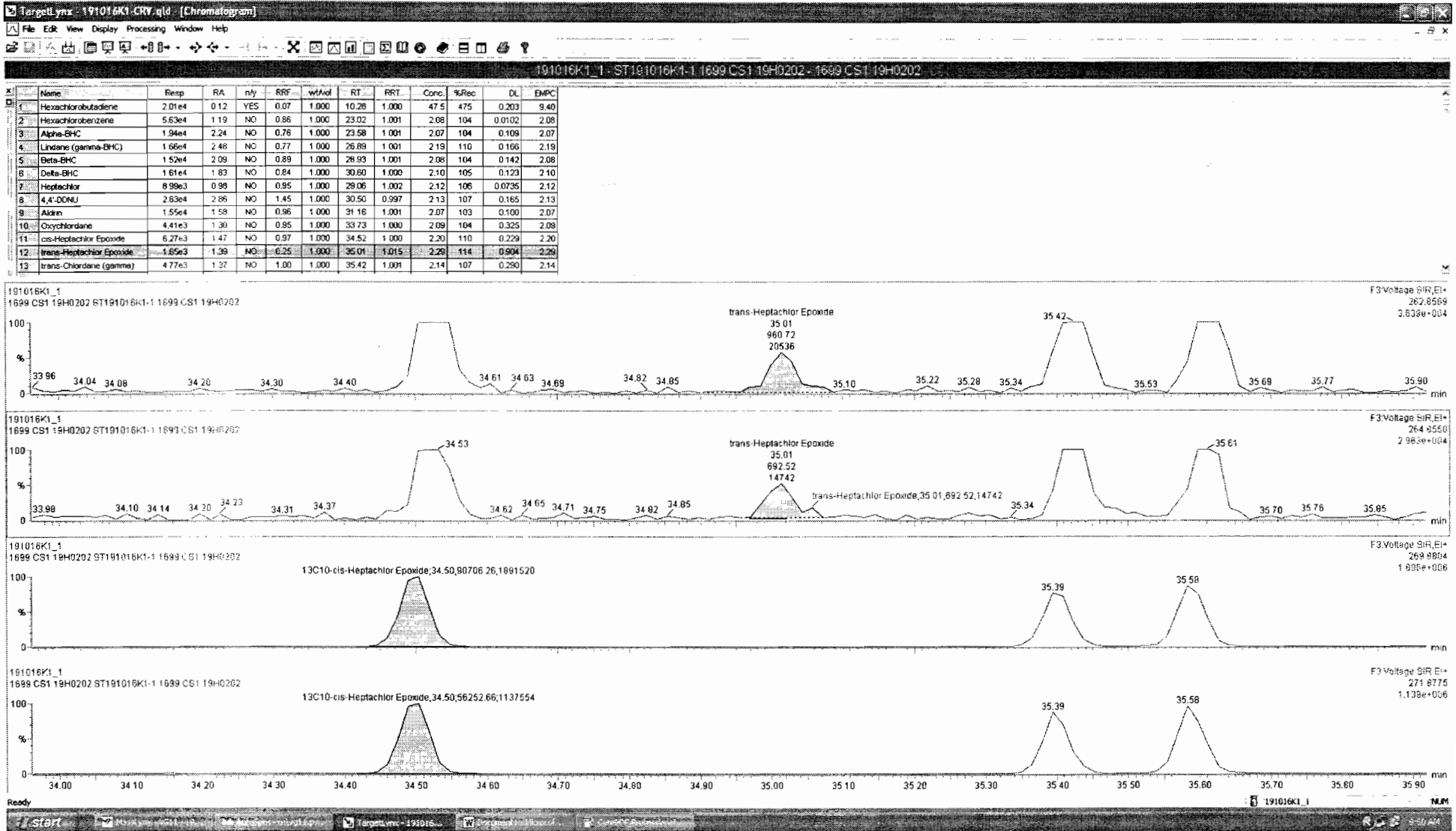
F3:Voltage SIR,EI+
271.8775
2.805e+006

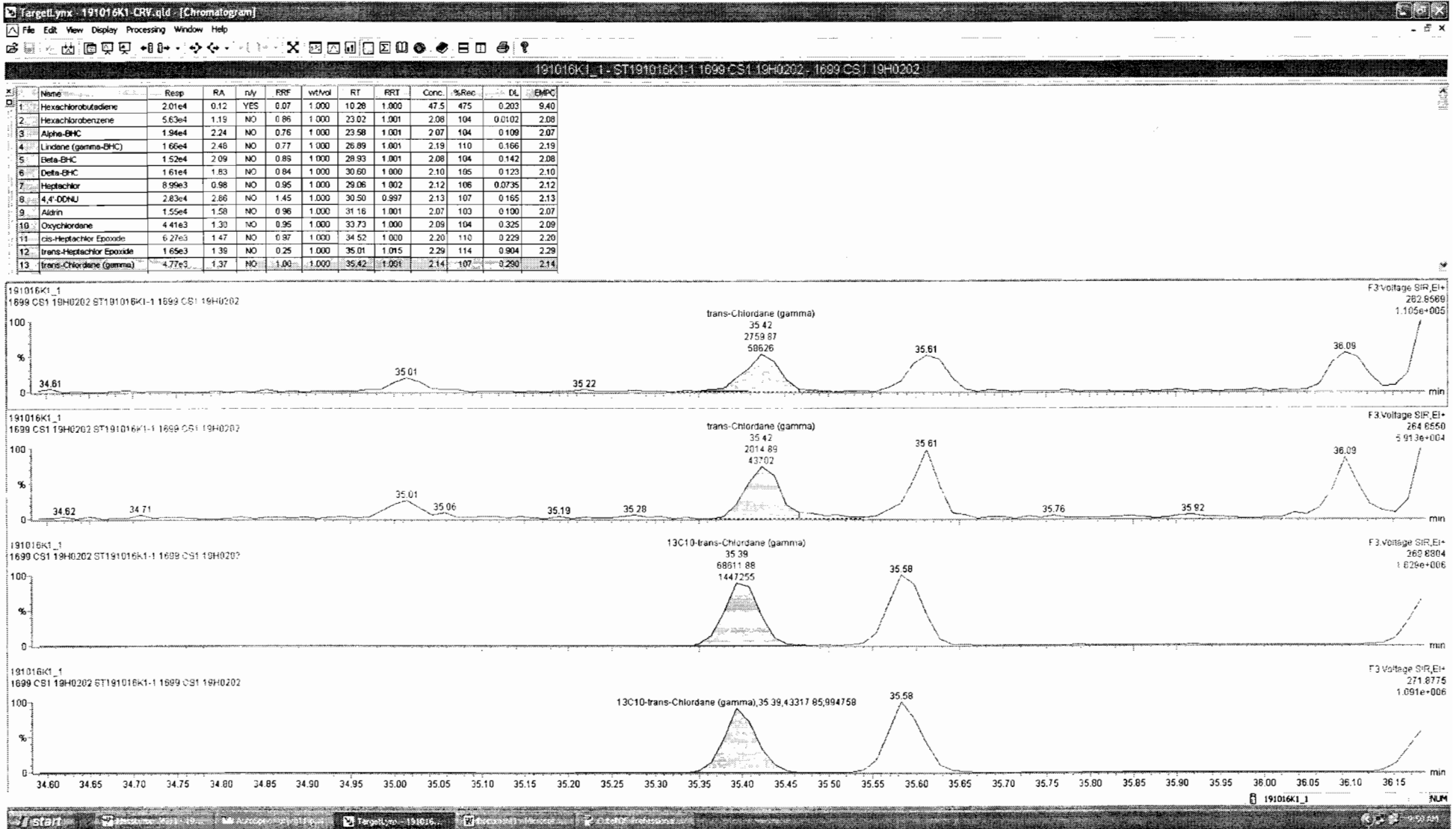


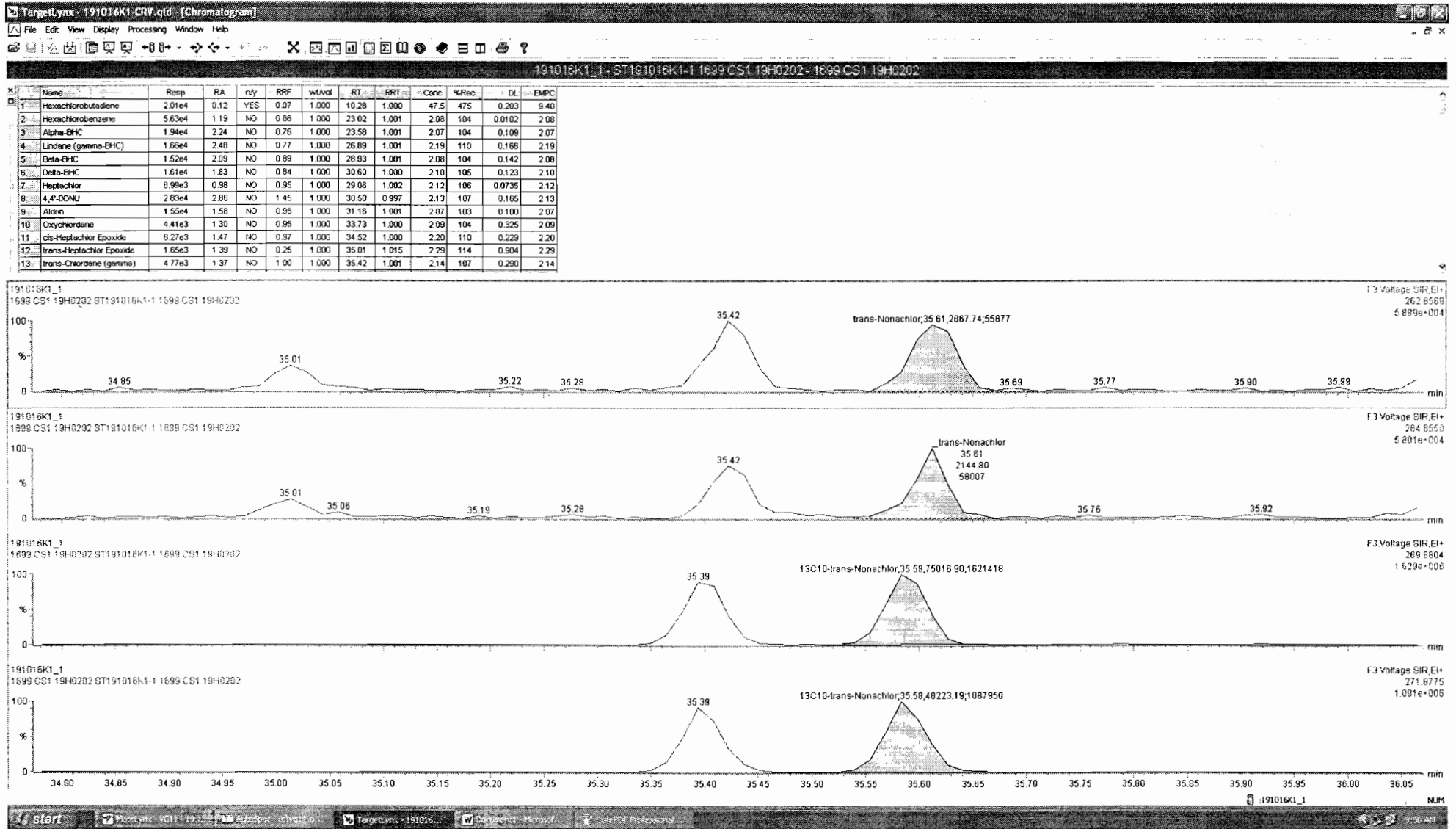


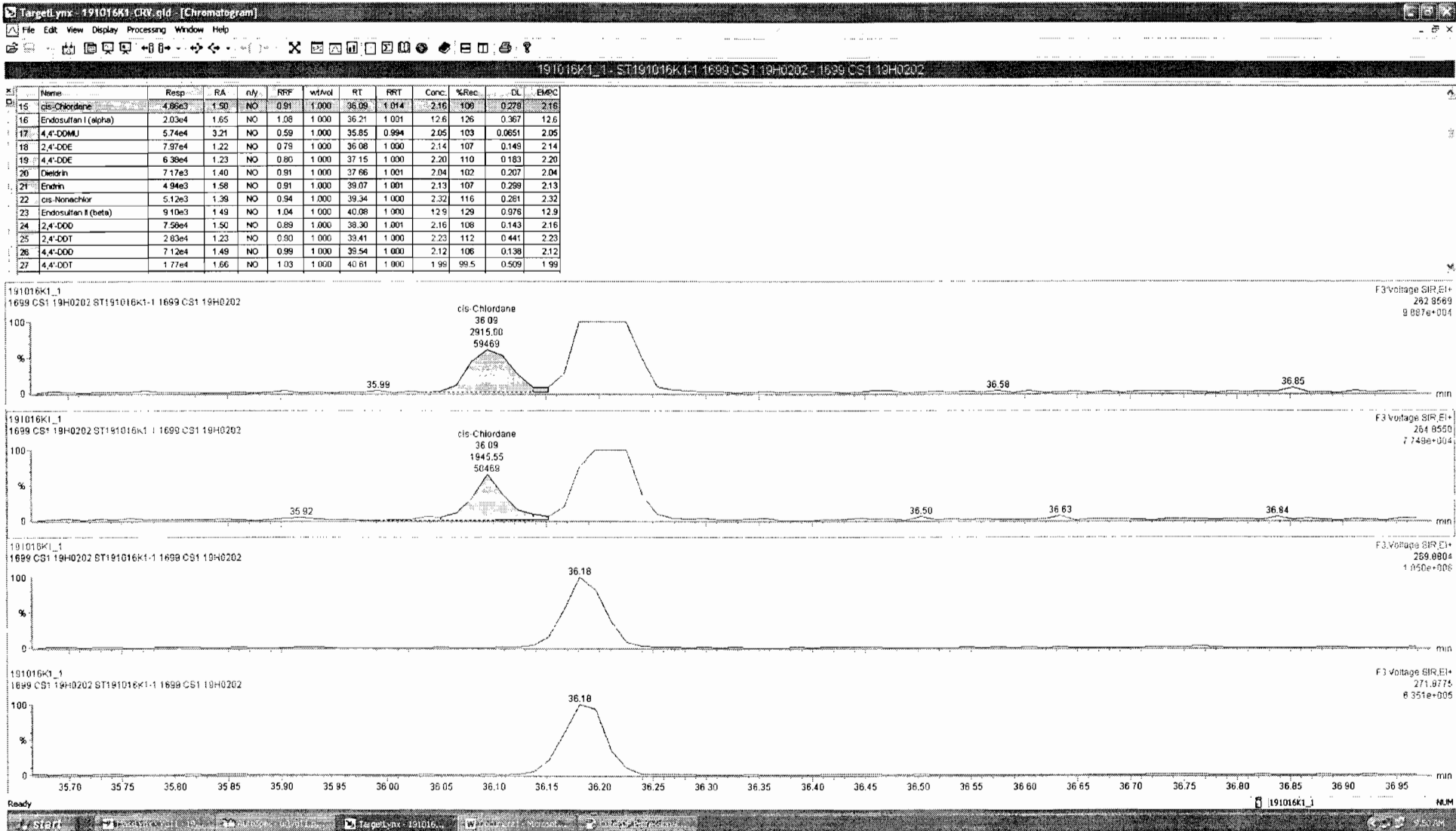




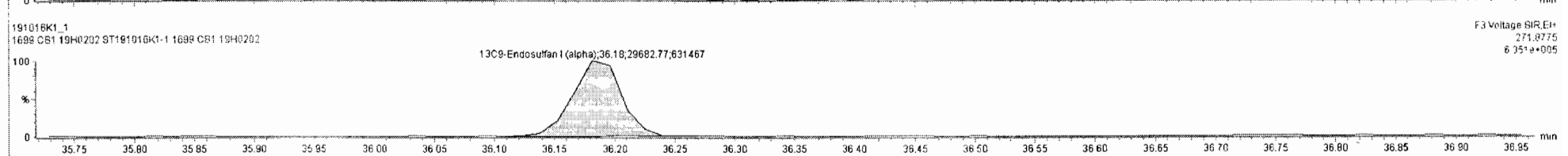
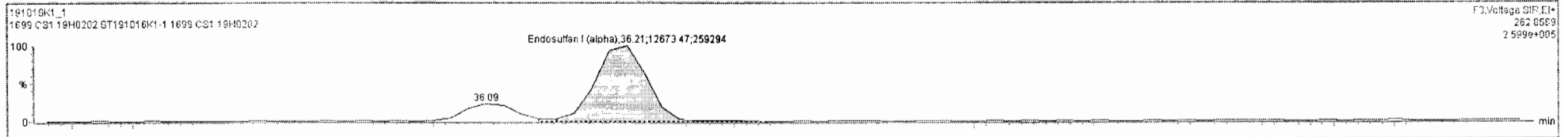








| Name | Resp | RA | n/y | RRF | wt/vol | RT | RRT | Conc | %Rec | DL | EMPC |
|-------------------------|--------|------|-----|-------|--------|-------|-------|------|------|--------|------|
| 15 cis-Chlordane | 4.66e3 | 1.50 | NO | 0.91 | 1.000 | 36.09 | 1.014 | 2.16 | 108 | 0.279 | 2.16 |
| 16 Endosulfan I (alpha) | 2.03e4 | 1.65 | NO | -1.08 | 1.000 | 36.21 | 1.001 | 12.6 | 126 | 0.367 | 12.6 |
| 17 4,4'-DDMU | 5.74e4 | 3.21 | NO | 0.59 | 1.000 | 35.85 | 0.994 | 2.05 | 103 | 0.0651 | 2.05 |
| 18 2,4'-DDE | 7.97e4 | 1.22 | NO | 0.79 | 1.000 | 36.08 | 1.000 | 2.14 | 107 | 0.149 | 2.14 |
| 19 4,4'-DDE | 6.38e4 | 1.23 | NO | 0.80 | 1.000 | 37.15 | 1.000 | 2.20 | 110 | 0.183 | 2.20 |
| 20 Dieldrin | 7.17e3 | 1.40 | NO | 0.91 | 1.000 | 37.66 | 1.001 | 2.04 | 102 | 0.207 | 2.04 |
| 21 Endrin | 4.94e3 | 1.58 | NO | 0.91 | 1.000 | 39.07 | 1.001 | 2.13 | 107 | 0.299 | 2.13 |
| 22 cis-Nonachlor | 5.12e3 | 1.39 | NO | 0.94 | 1.000 | 39.34 | 1.000 | 2.32 | 116 | 0.281 | 2.32 |
| 23 Endosulfan II (beta) | 9.10e3 | 1.49 | NO | 1.04 | 1.000 | 40.08 | 1.000 | 12.9 | 129 | 0.976 | 12.9 |
| 24 2,4'-DDD | 7.58e4 | 1.50 | NO | 0.89 | 1.000 | 36.30 | 1.001 | 2.16 | 108 | 0.143 | 2.16 |
| 25 2,4'-DDT | 2.83e4 | 1.23 | NO | 0.90 | 1.000 | 39.41 | 1.000 | 2.23 | 112 | 0.441 | 2.23 |
| 26 4,4'-DDD | 7.12e4 | 1.49 | NO | 0.99 | 1.000 | 39.54 | 1.000 | 2.12 | 106 | 0.138 | 2.12 |
| 27 4,4'-DDT | 1.77e4 | 1.66 | NO | 1.03 | 1.000 | 40.61 | 1.000 | 1.99 | 99.5 | 0.509 | 1.99 |



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

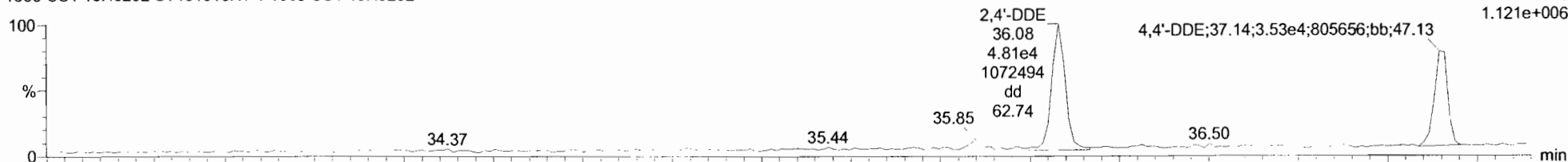
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

DDMU-DDE

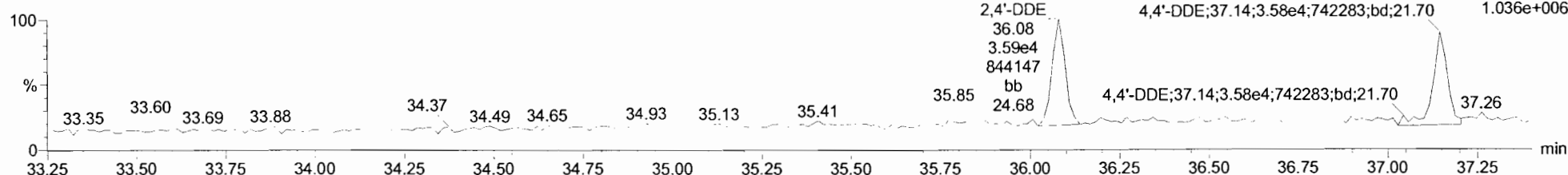
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
246.0003
1.121e+006



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

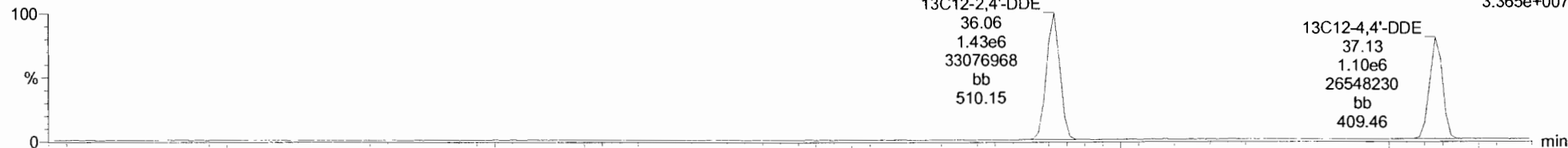
F3:Voltage SIR,EI+
247.9974
1.036e+006



DDE-isotopes

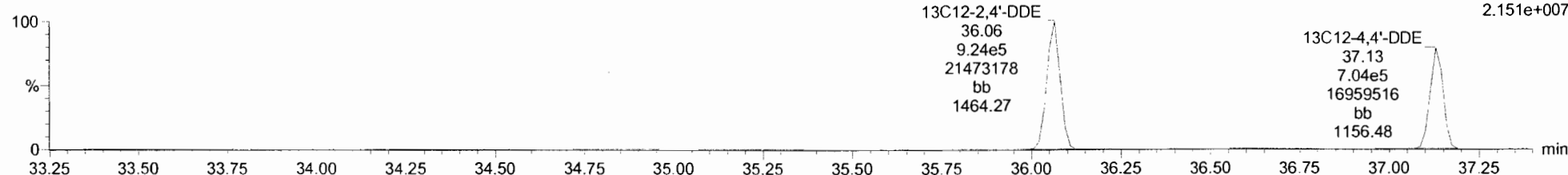
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

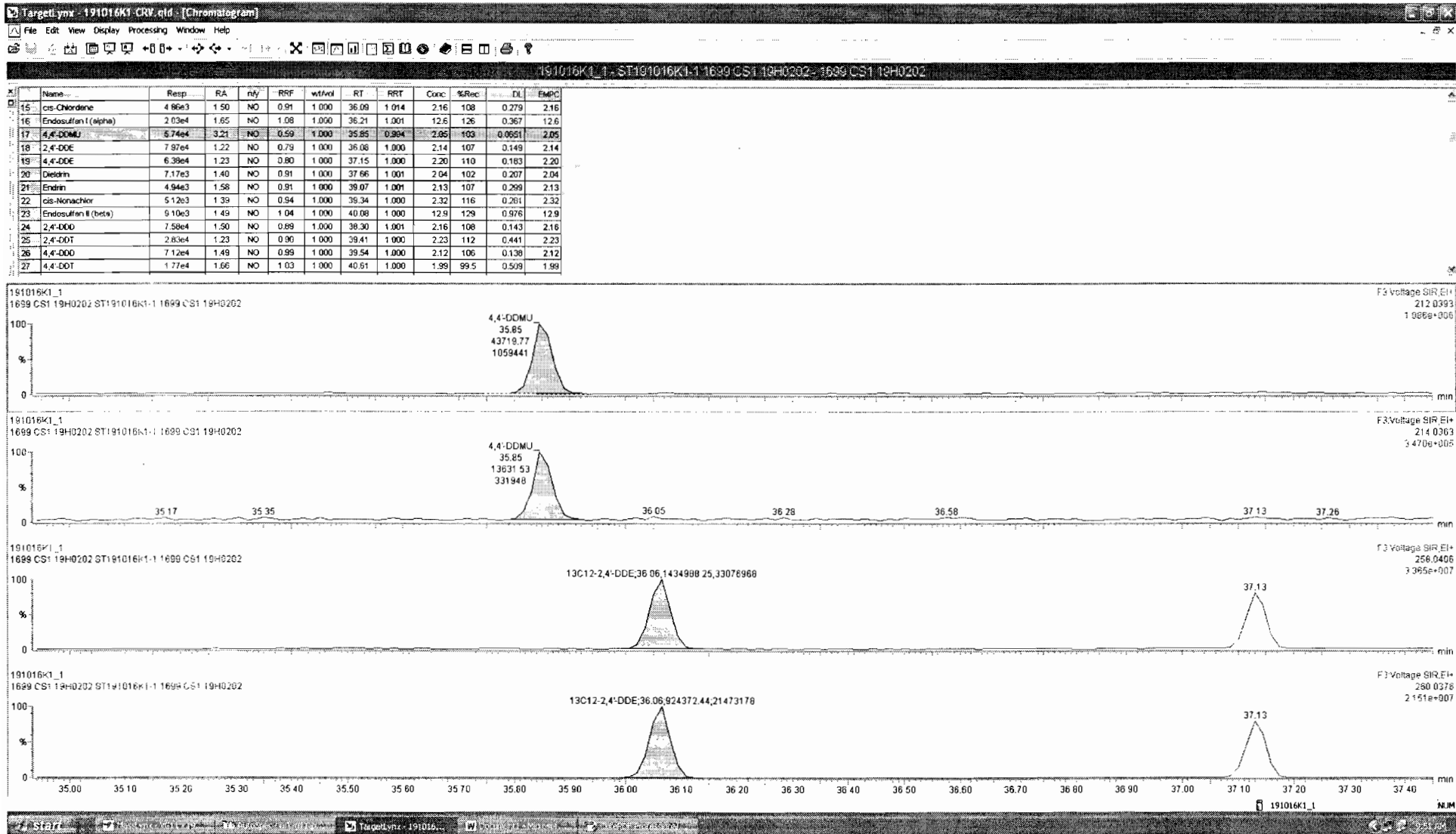
F3:Voltage SIR,EI+
258.0406
3.365e+007

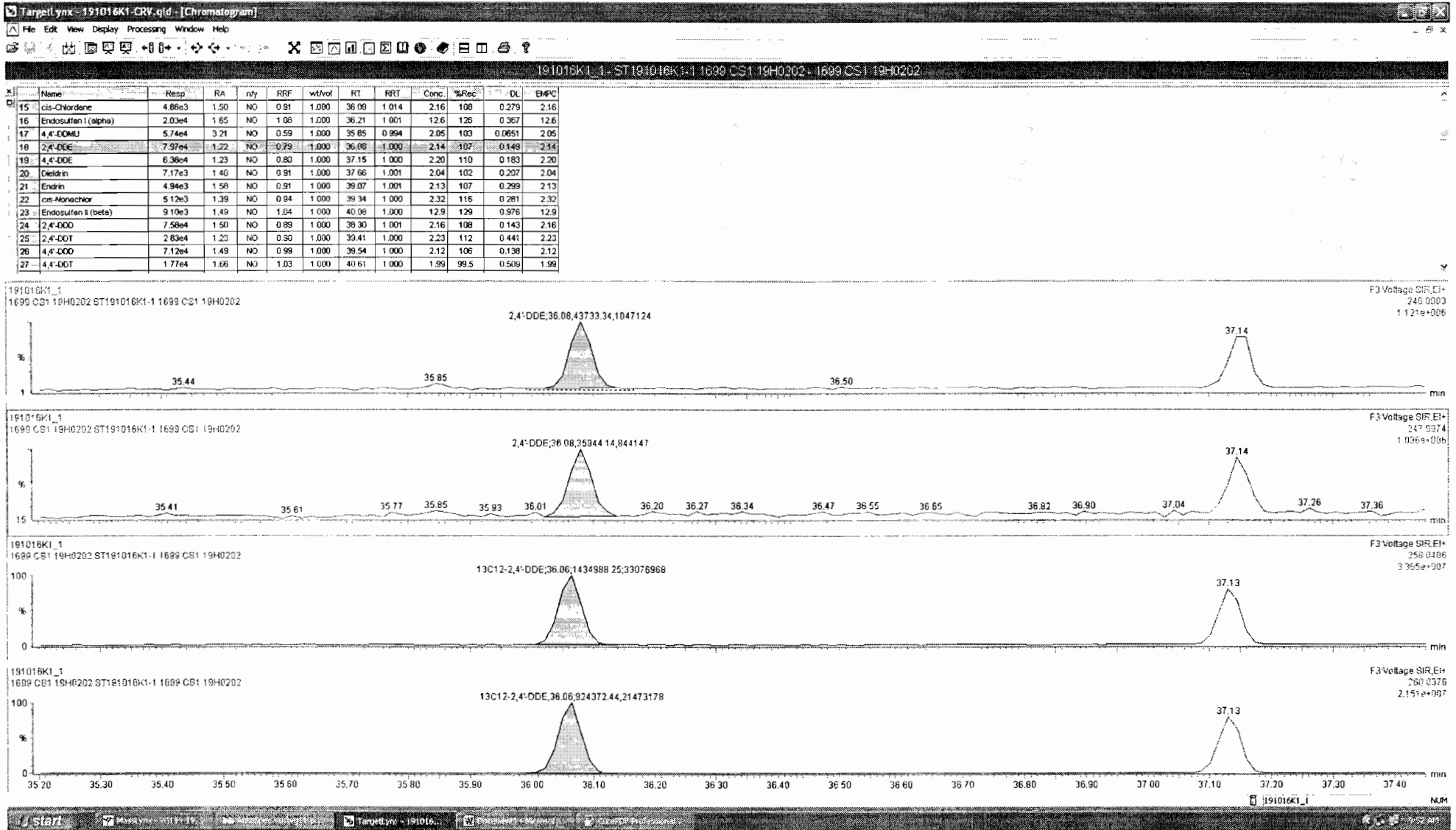


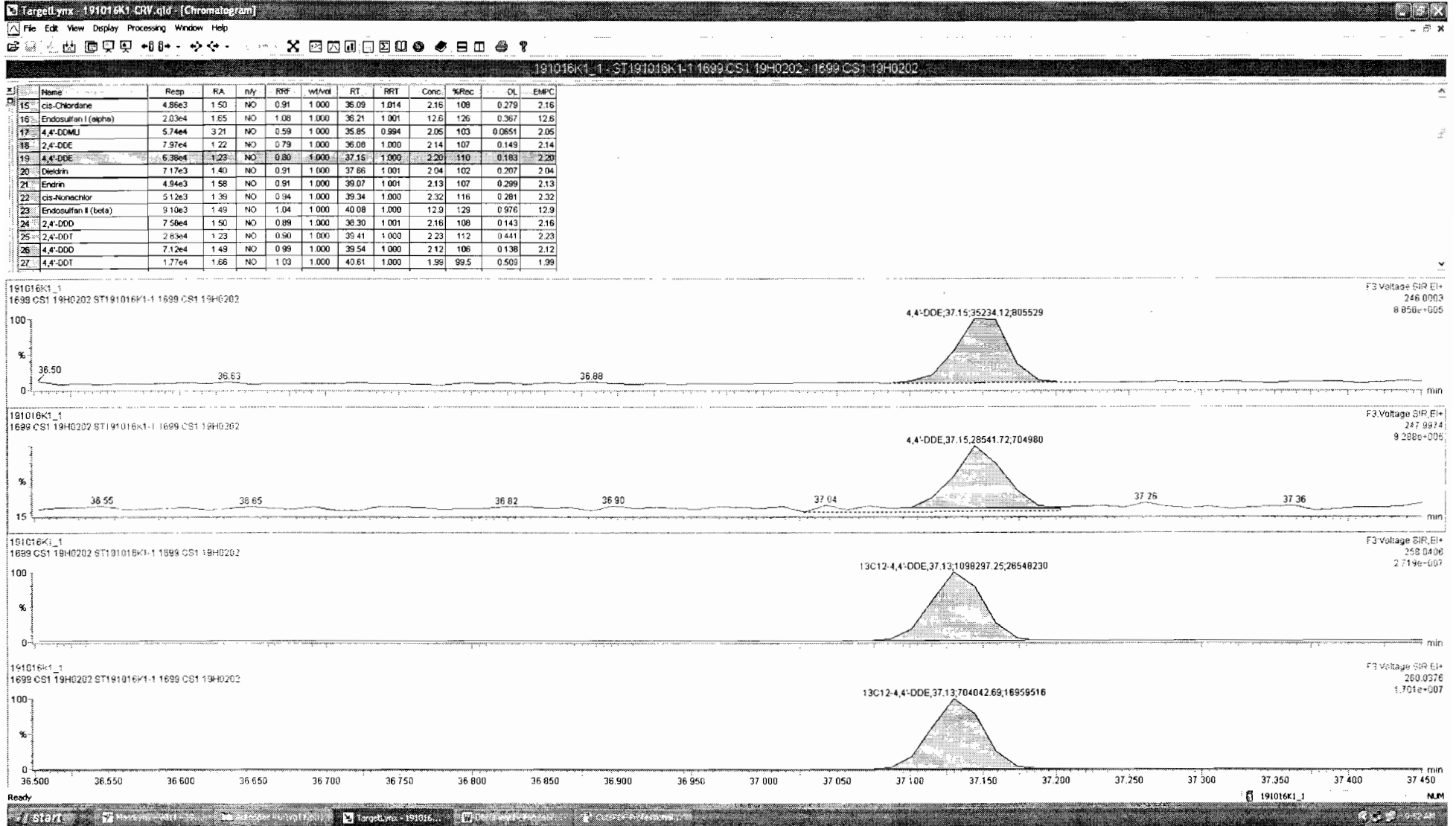
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
260.0376
2.151e+007









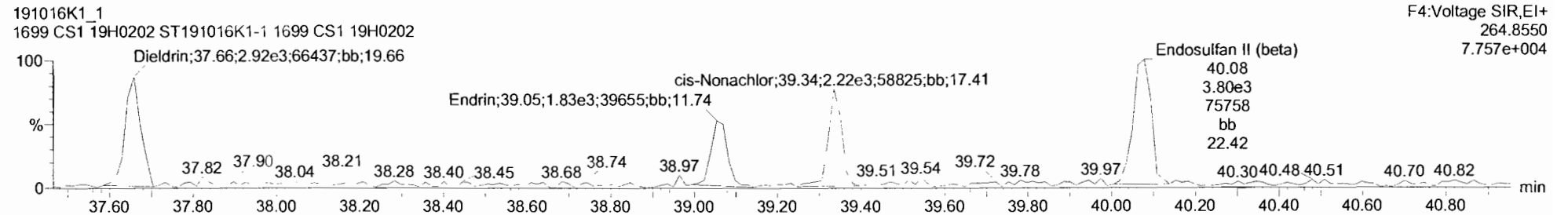
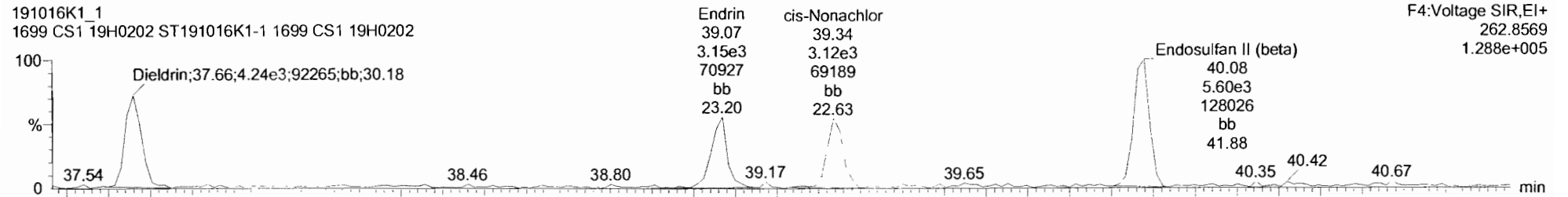
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

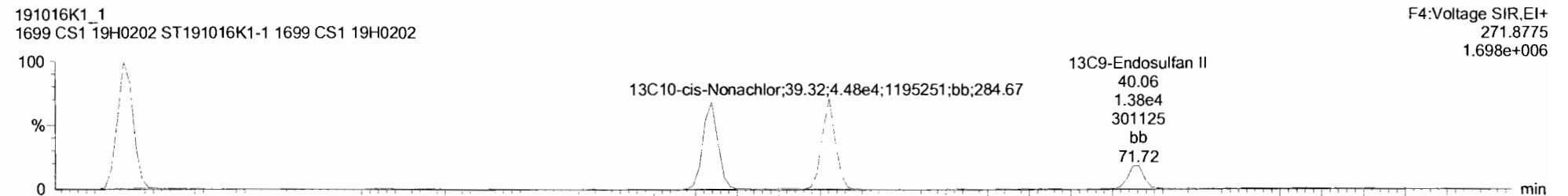
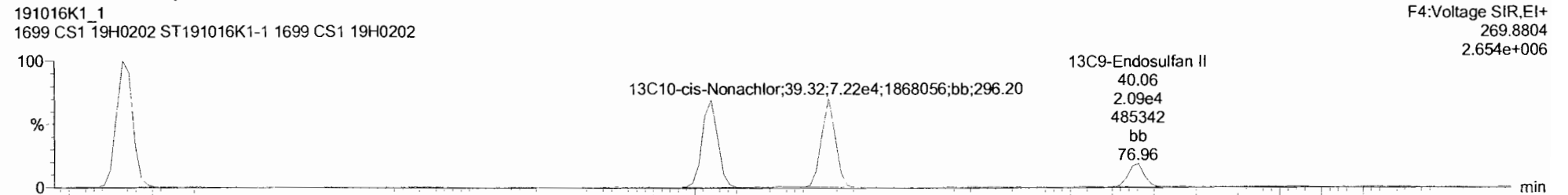
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

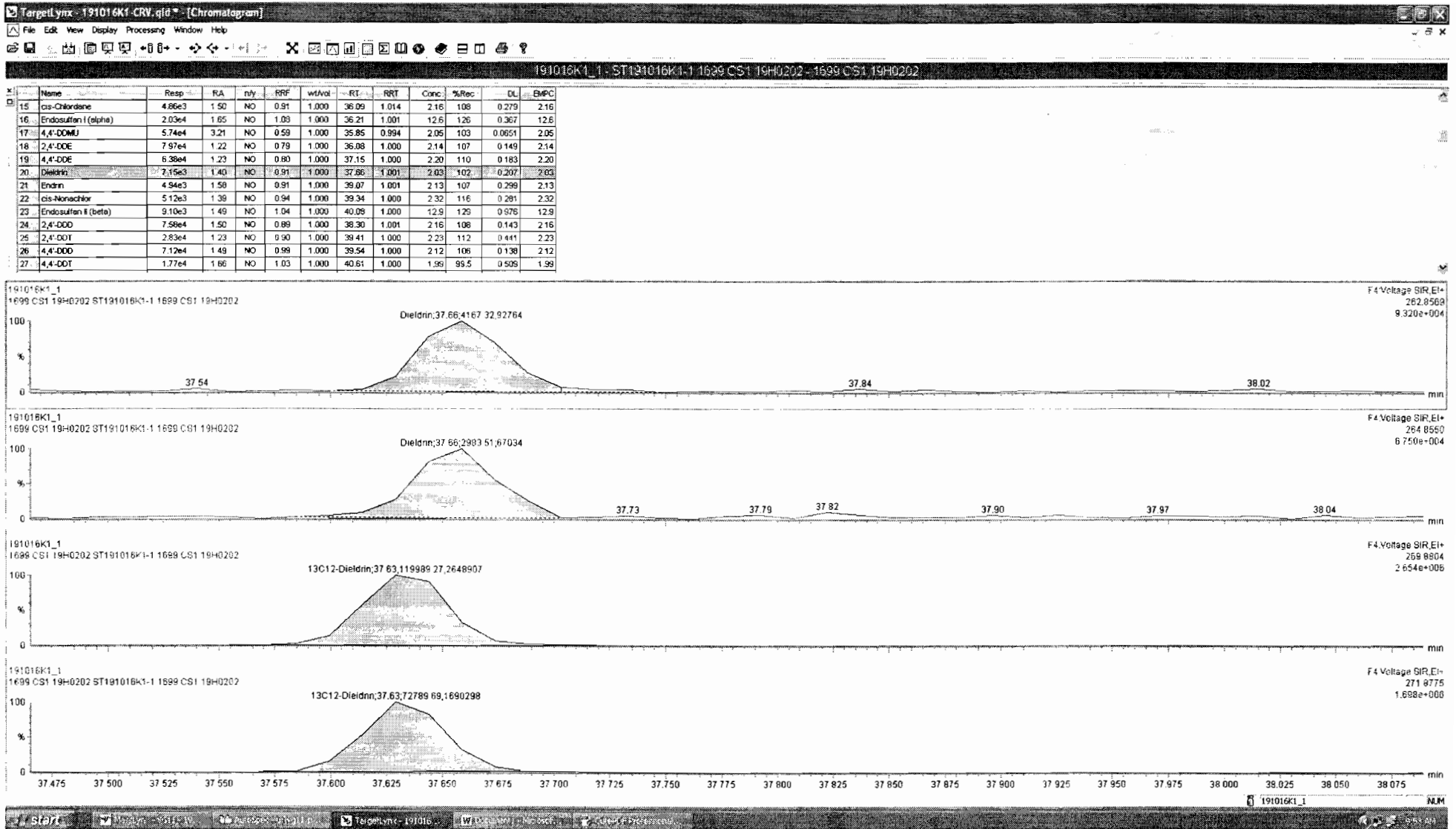
Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

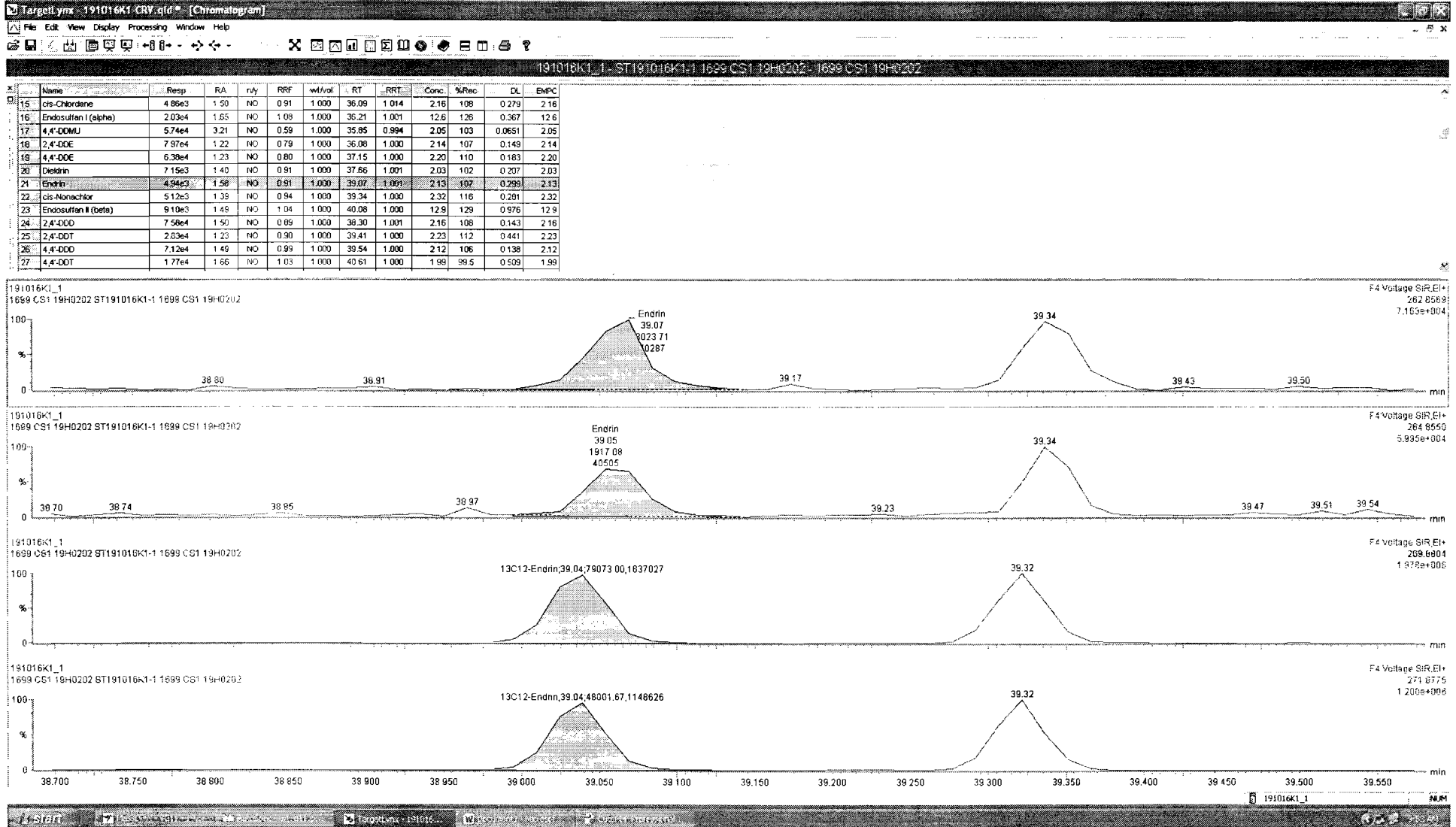
Dieldrin-EII

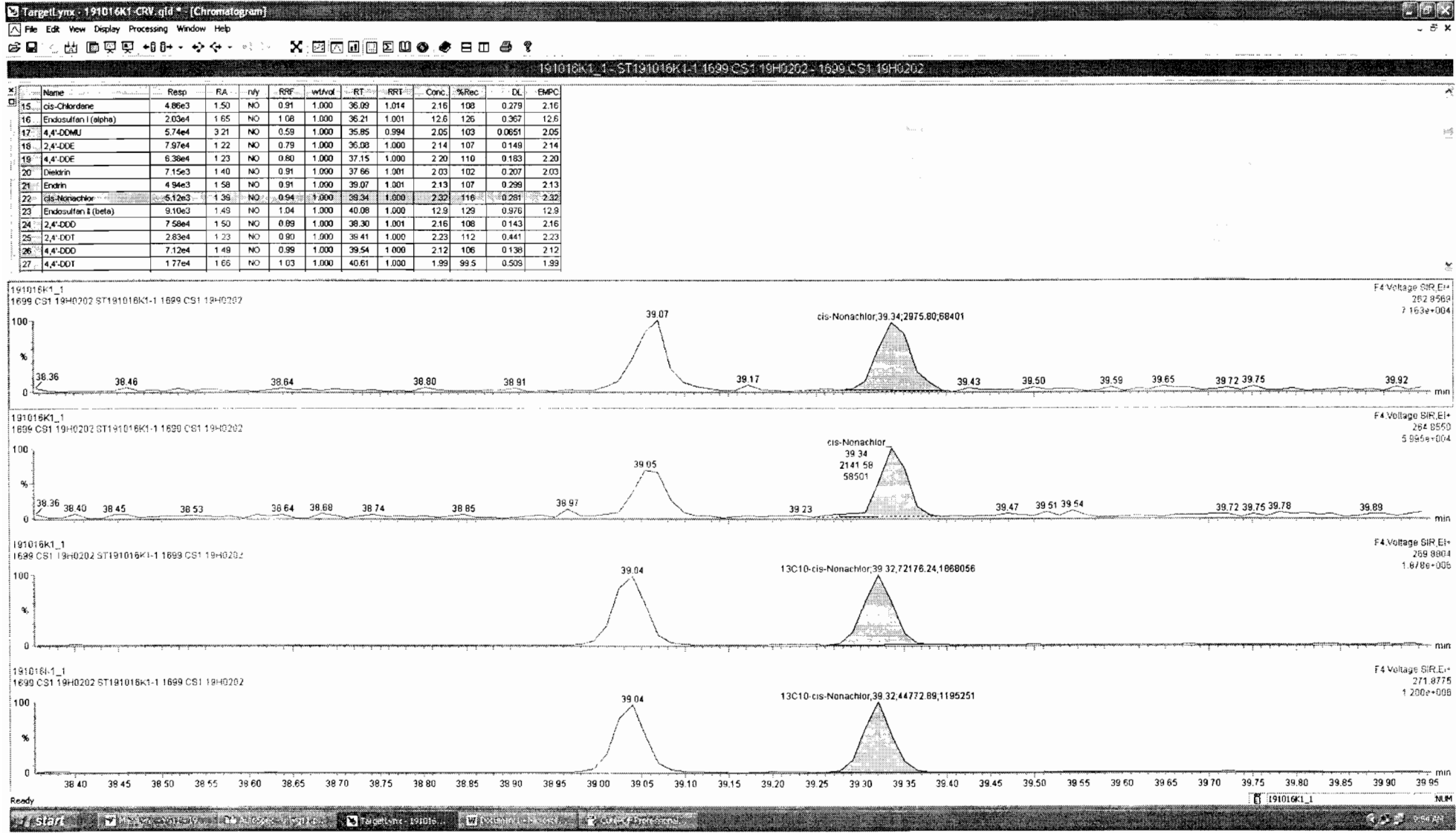


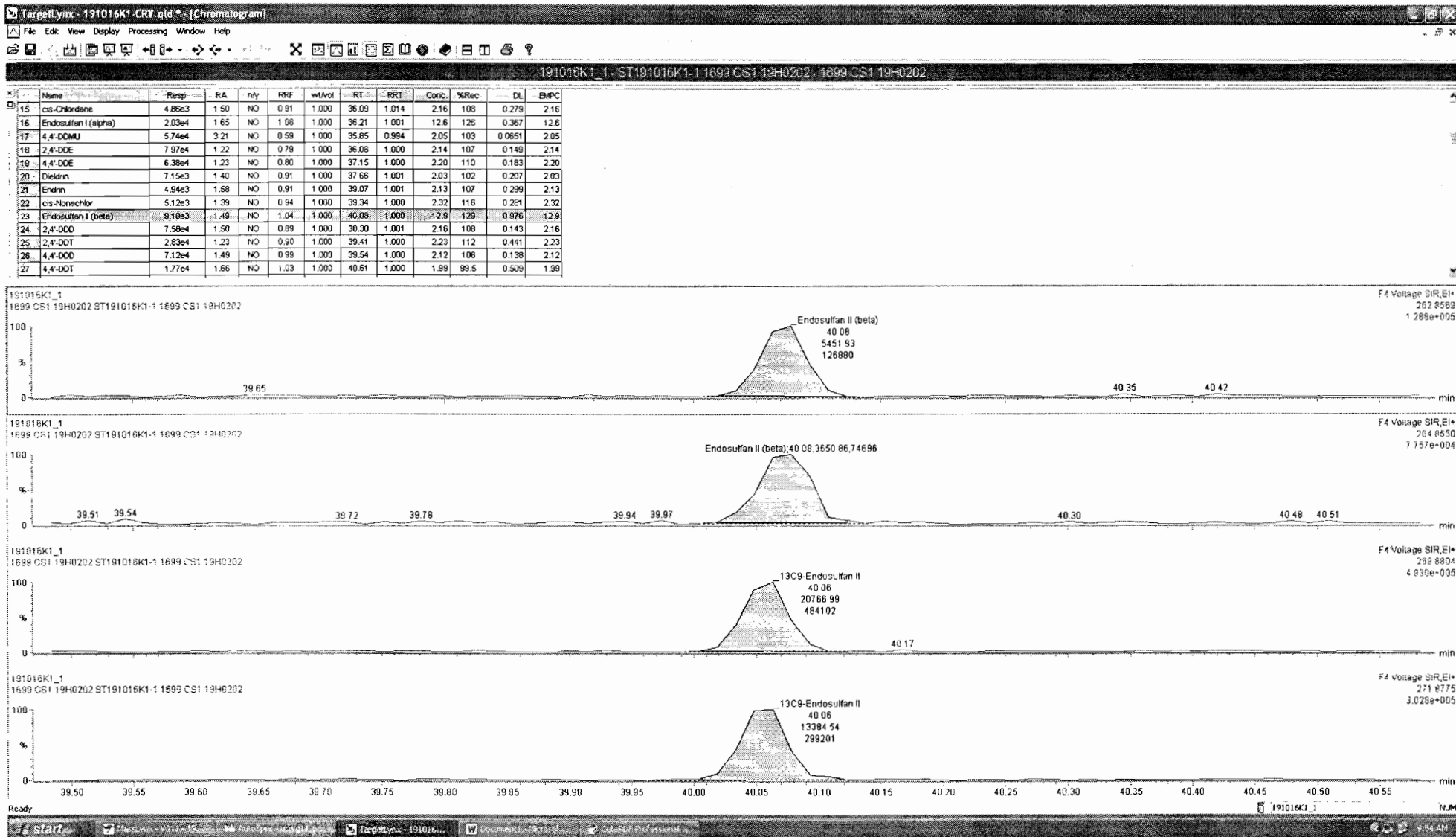
Dieldrin-EII-isotopes











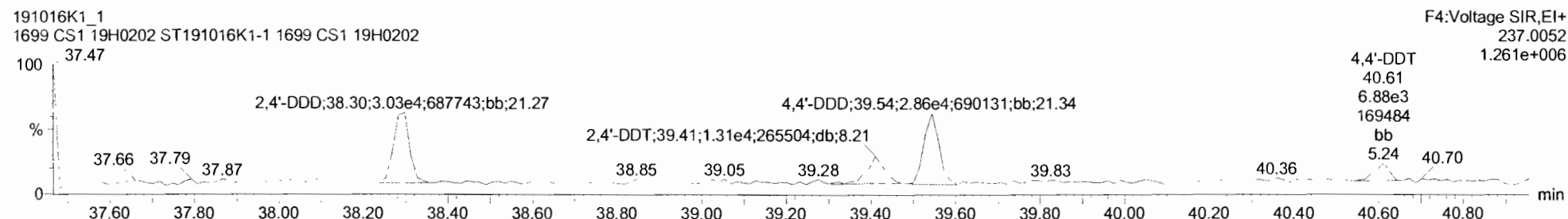
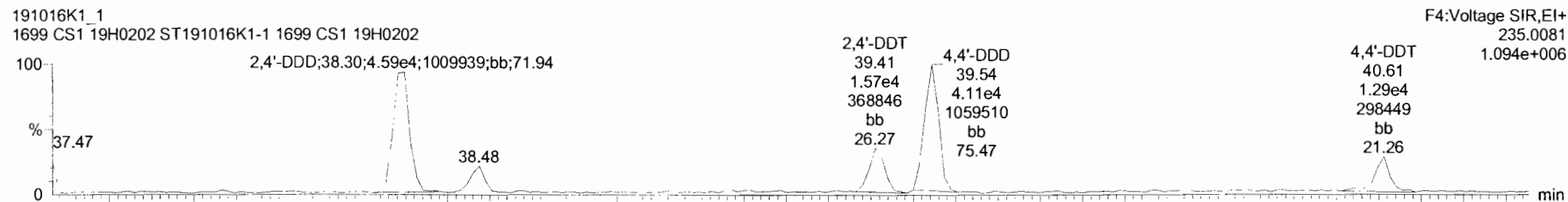
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

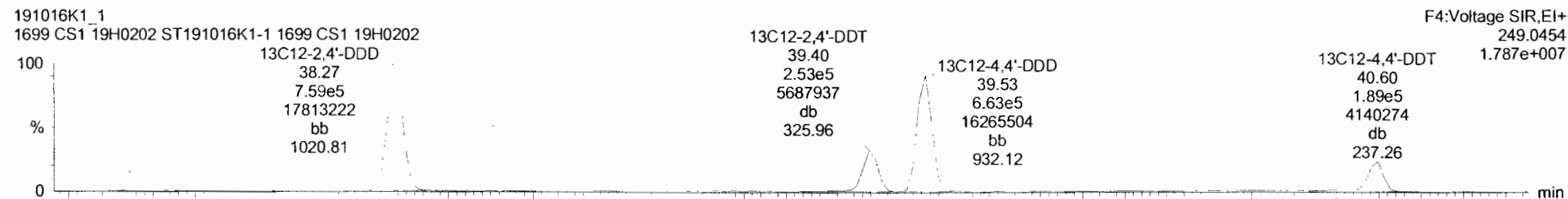
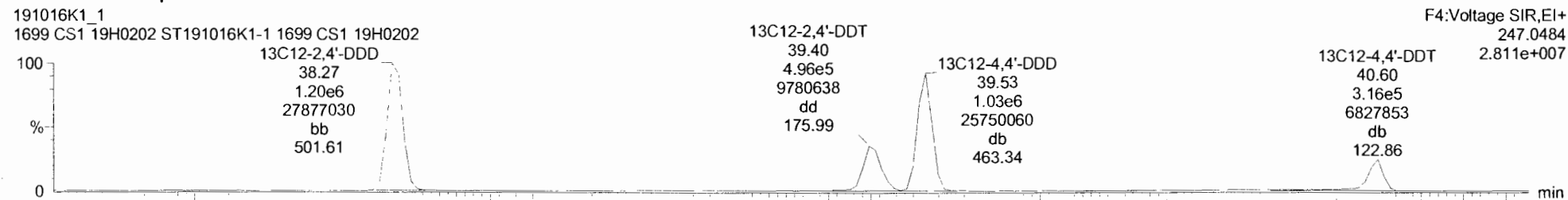
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

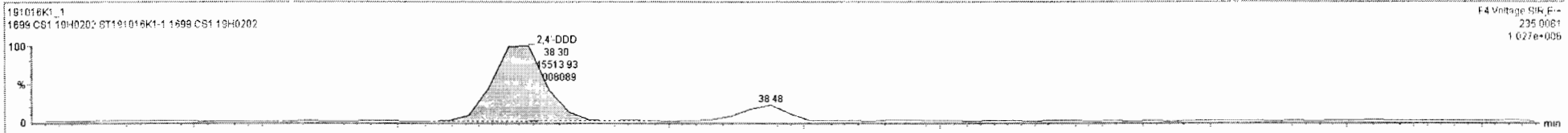
DDD-DDT



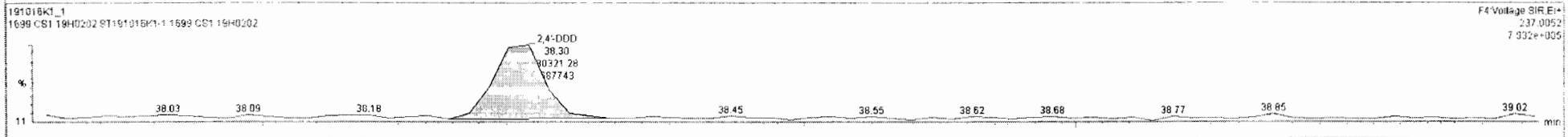
DDD-DDT-isotopes



| Name | Resp | RA | n/y | RRF | wtVol | RT | RRT | Conc. | %Rec | DL | EMPC |
|-------------------------|--------|------|-----|------|-------|-------|-------|-------|------|--------|------|
| 15 cis-Chlordane | 4.86e3 | 1.50 | NO | 0.91 | 1.000 | 36.09 | 1.014 | 2.16 | 100 | 0.279 | 2.16 |
| 16 Endosulfan I (alpha) | 2.03e4 | 1.65 | NO | 1.00 | 1.000 | 36.21 | 1.001 | 12.6 | 126 | 0.367 | 12.6 |
| 17 4,4'-DDMU | 5.74e4 | 3.21 | NO | 0.59 | 1.000 | 35.85 | 0.994 | 2.05 | 103 | 0.0651 | 2.05 |
| 18 2,4'-DDE | 7.97e4 | 1.22 | NO | 0.79 | 1.000 | 36.08 | 1.000 | 2.14 | 107 | 0.149 | 2.14 |
| 19 4,4'-DDE | 6.39e4 | 1.23 | NO | 0.80 | 1.000 | 37.15 | 1.000 | 2.20 | 110 | 0.183 | 2.20 |
| 20 Dieldrin | 7.15e3 | 1.40 | NO | 0.91 | 1.000 | 37.66 | 1.001 | 2.03 | 102 | 0.207 | 2.03 |
| 21 Endrin | 4.94e3 | 1.58 | NO | 0.91 | 1.000 | 39.07 | 1.001 | 2.13 | 107 | 0.299 | 2.13 |
| 22 cis-Nonachlor | 5.12e3 | 1.39 | NO | 0.94 | 1.000 | 39.34 | 1.000 | 2.32 | 116 | 0.281 | 2.32 |
| 23 Endosulfan II (beta) | 9.10e3 | 1.49 | NO | 1.04 | 1.000 | 40.08 | 1.000 | 12.9 | 129 | 0.376 | 12.9 |
| 24 2,4'-DDD | 7.56e4 | 1.50 | NO | 0.88 | 1.000 | 38.30 | 1.001 | 2.16 | 108 | 0.143 | 2.16 |
| 25 2,4'-DDT | 2.83e4 | 1.23 | NO | 0.90 | 1.000 | 39.41 | 1.000 | 2.23 | 112 | 0.441 | 2.23 |
| 26 4,4'-DDD | 7.12e4 | 1.49 | NO | 0.99 | 1.000 | 39.54 | 1.000 | 2.12 | 106 | 0.136 | 2.12 |
| 27 4,4'-DDT | 1.77e4 | 1.66 | NO | 1.03 | 1.000 | 40.61 | 1.000 | 1.99 | 99.5 | 0.509 | 1.99 |



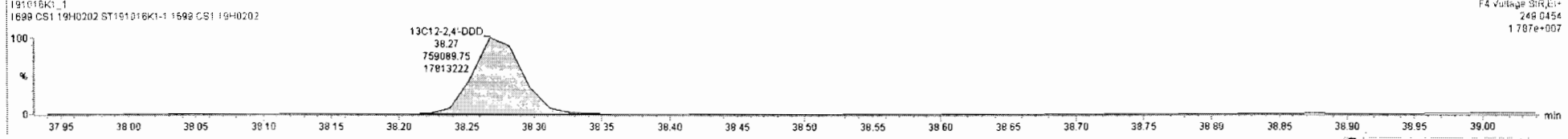
F4 Voltage SIR, E-
235.0081
1.027e+006



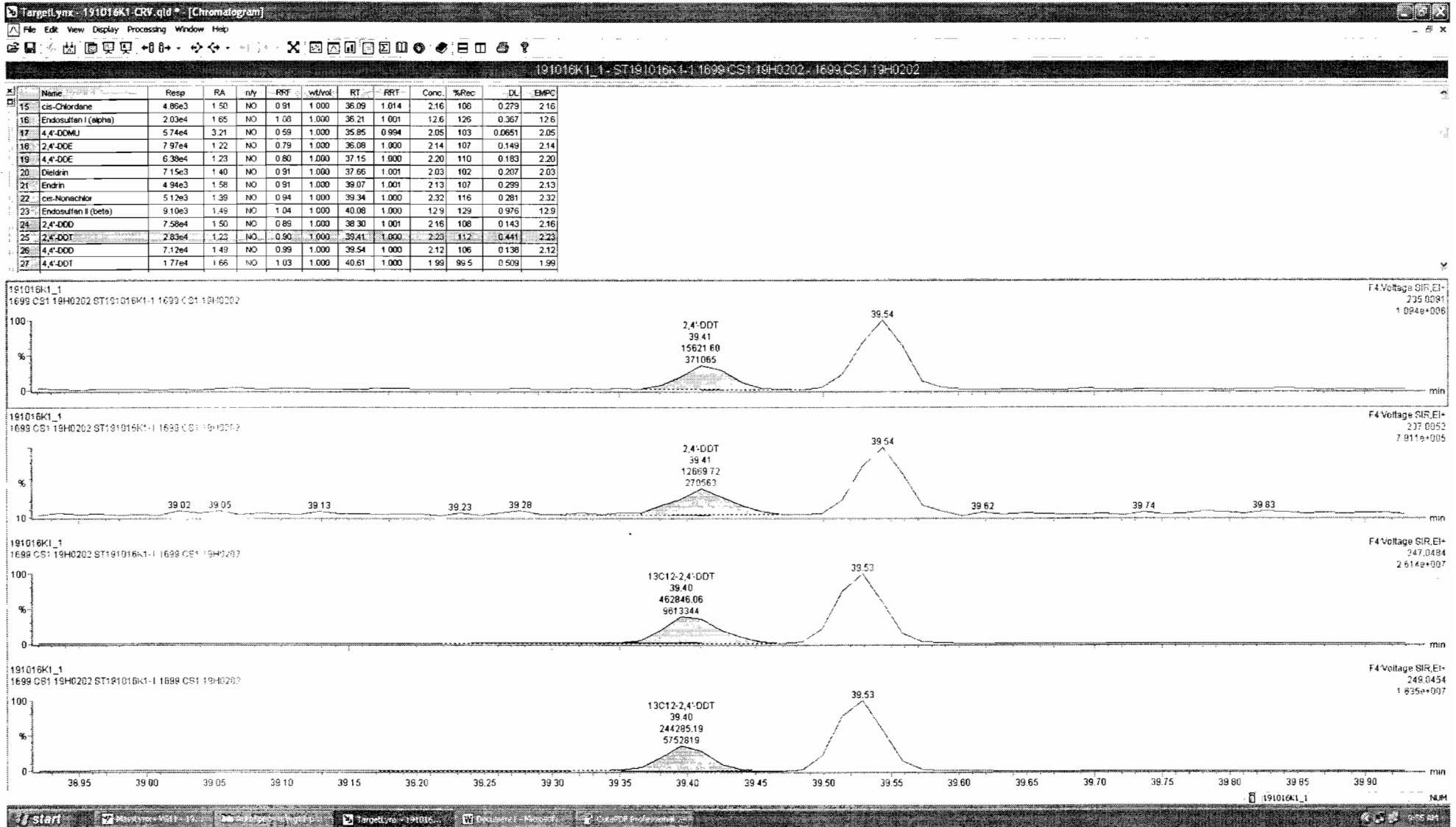
F4 Voltage SIR, E+
237.0052
7.932e+005

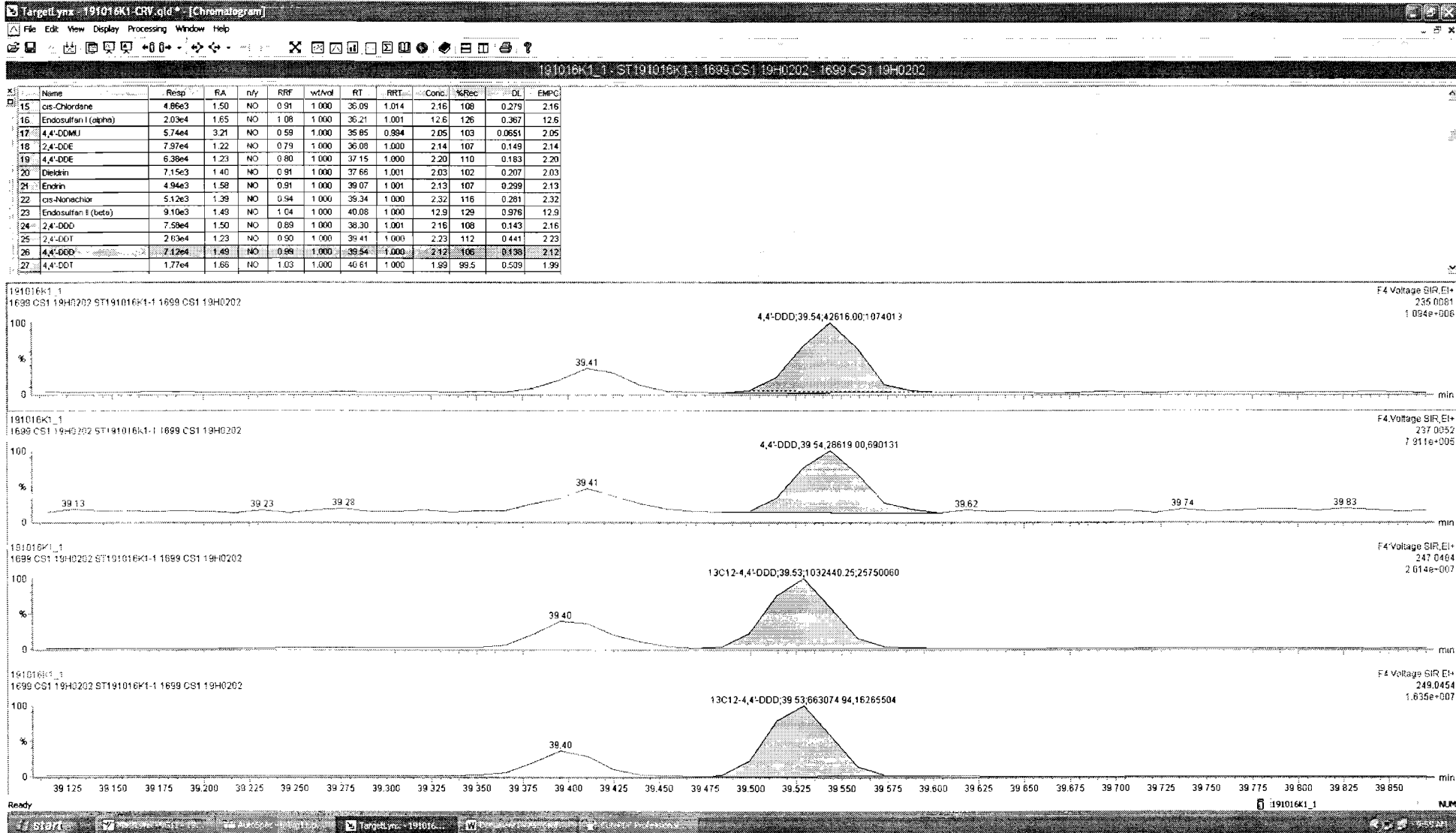


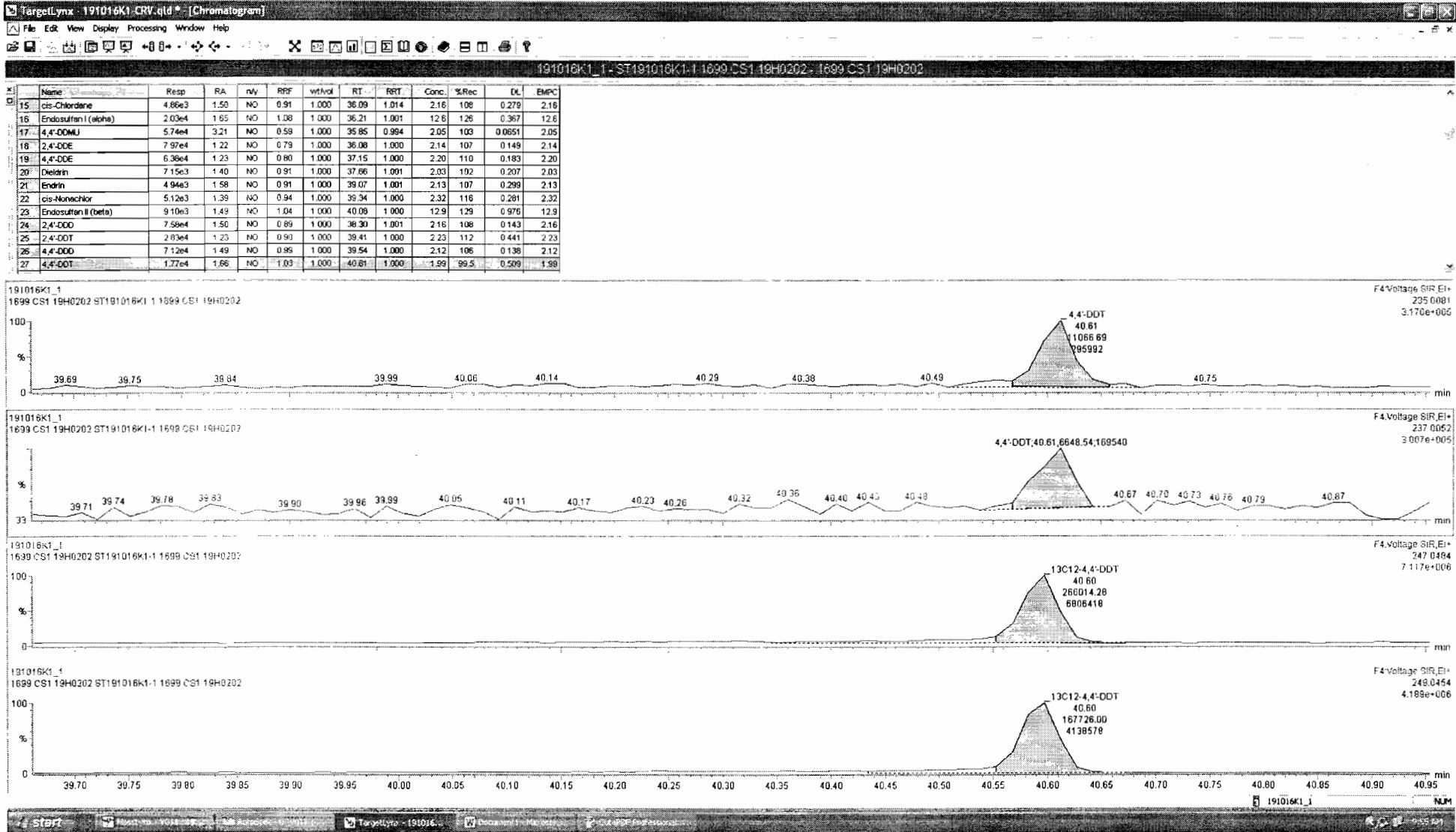
F4 Voltage SIR, E+
247.0484
2.811e+007



F4 Voltage SIR, E+
248.0454
1.787e+007







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

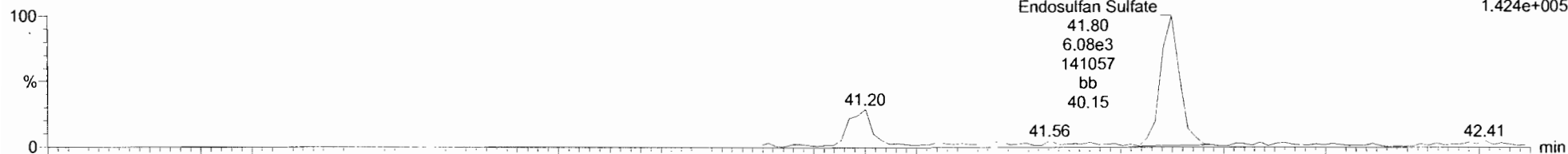
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Endosulfan Sulfate

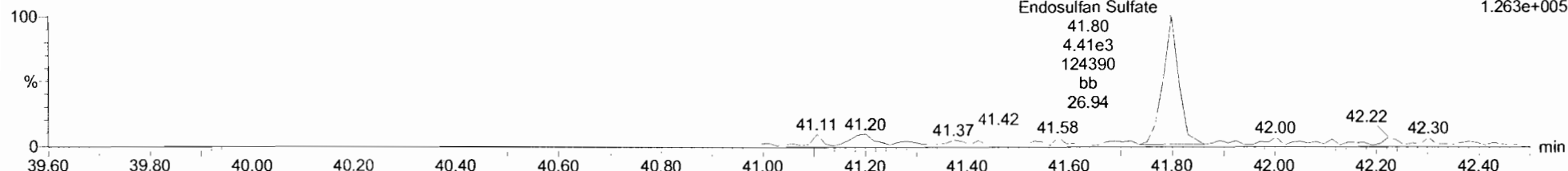
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
262.8569
1.424e+005



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

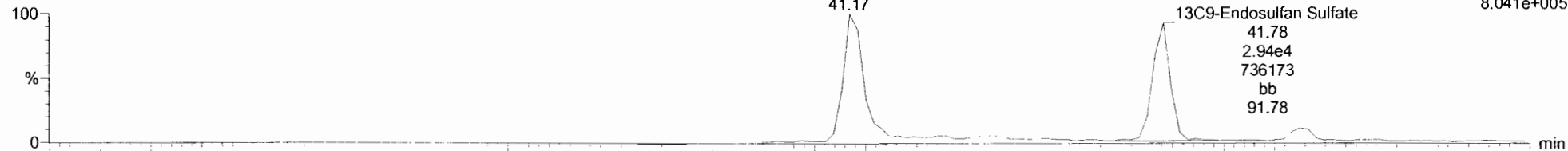
F5:Voltage SIR,EI+
264.8540
1.263e+005



13C9-Endosulfan Sulfate

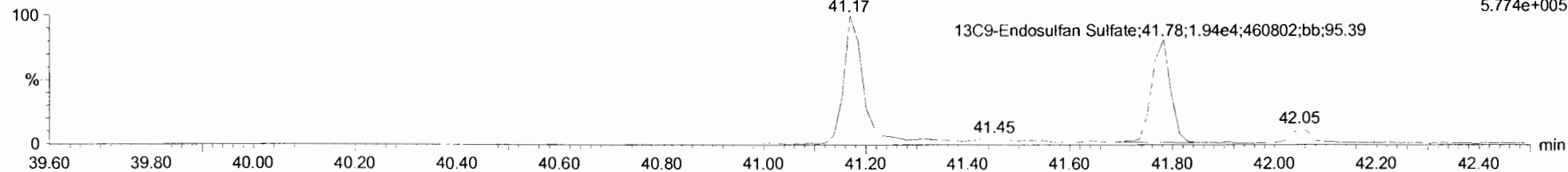
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

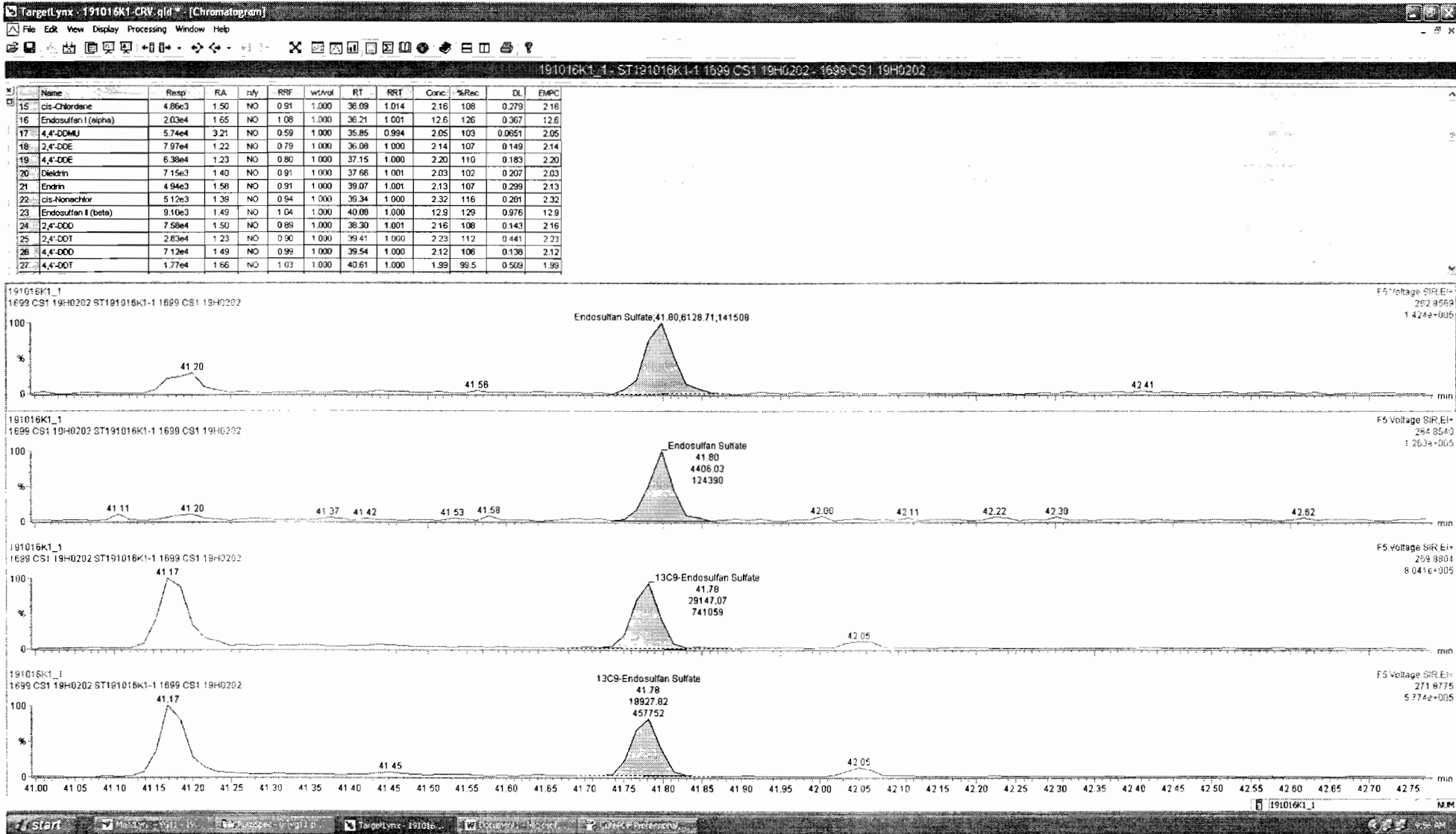
F5:Voltage SIR,EI+
269.8804
8.041e+005



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
271.8775
5.774e+005





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

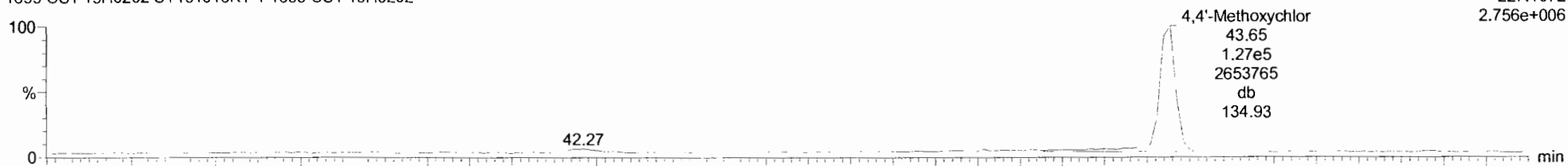
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

4,4'-Methoxychlor

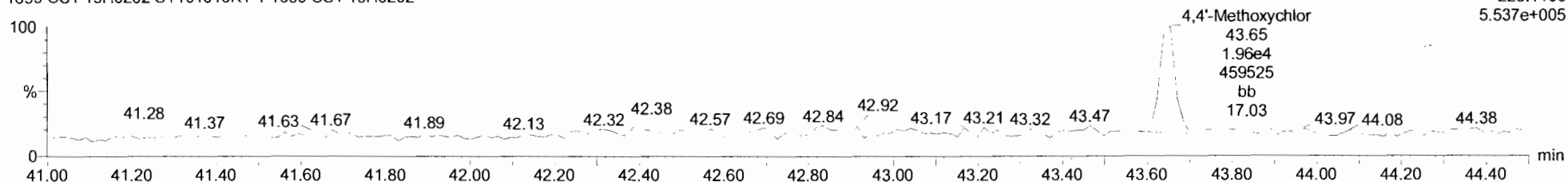
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
227.1072
2.756e+006



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

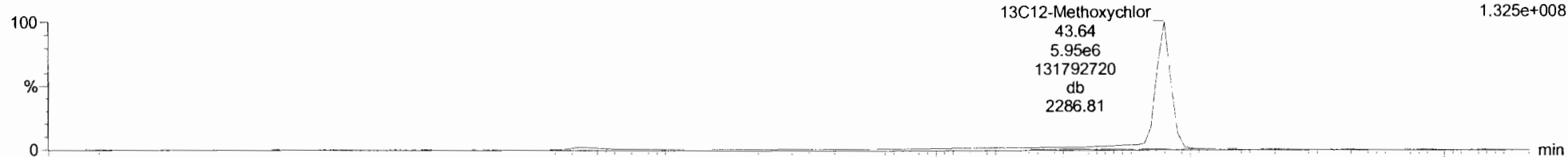
F5:Voltage SIR,EI+
228.1106
5.537e+005



13C12-Methoxychlor

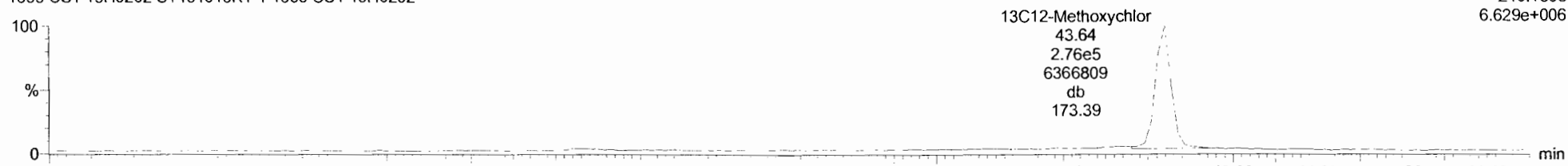
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
239.1475
1.325e+008

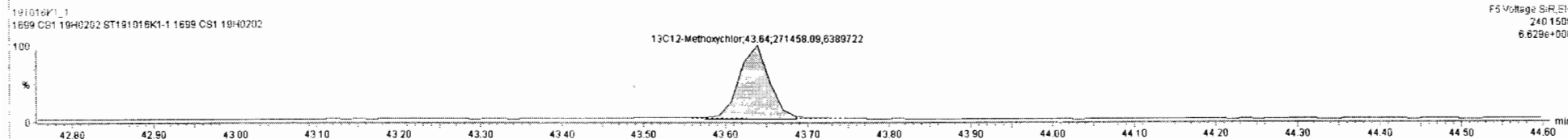
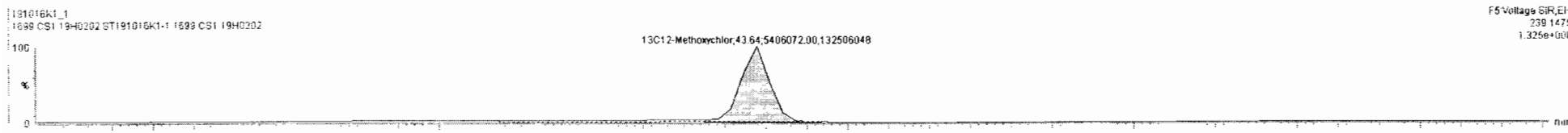
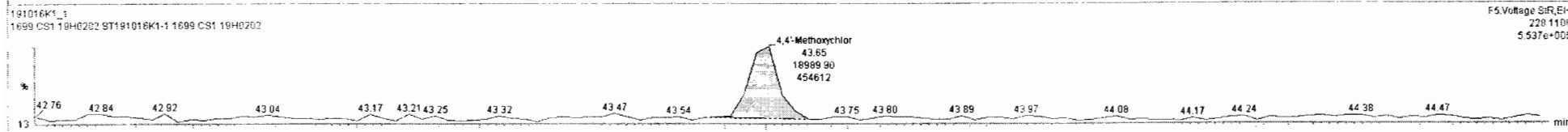
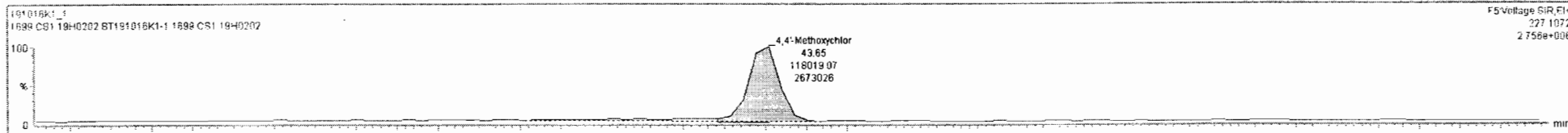


191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
240.1508
6.629e+006



| Name | Resp | RA | n/y | RRF | w/Vol | RT | RRT | Conc | %Rec | DL | EMPC |
|-----------------------------|--------|------|-----|------|-------|-------|-------|------|------|--------|------|
| 29 4,4'-Methoxychlor | 1.37e5 | 0.21 | NO | 1.14 | 1.000 | 43.65 | 1.000 | 10.6 | 106 | 0.388 | 10.6 |
| 30 Mirex | 1.97e4 | 1.47 | NO | 0.90 | 1.000 | 44.24 | 1.001 | 2.14 | 107 | 0.103 | 2.14 |
| 31 Endrin Aldehyde | 1.69e4 | 0.70 | NO | 0.96 | 1.000 | 41.20 | 1.000 | 10.8 | 108 | 0.417 | 10.8 |
| 32 Endrin Ketone | 1.33e4 | 0.66 | NO | 0.88 | 1.000 | 44.38 | 1.001 | 11.3 | 113 | 0.561 | 11.3 |
| 33 13C4-Hexachlorobutadiene | 3.18e6 | 1.27 | NO | 0.13 | 1.000 | 10.28 | 0.390 | 510 | 102 | 0.0715 | |
| 34 13C6-Hexachlorobenzene | 1.58e6 | 1.28 | NO | 0.70 | 1.000 | 23.00 | 0.873 | 48.5 | 97.0 | 0.0101 | |
| 35 13C6-Alpha-BHC | 6.17e5 | 0.79 | NO | 0.26 | 1.000 | 23.54 | 0.893 | 50.5 | 101 | 0.377 | |
| 36 13C6-Lindene (gamma) | 4.95e5 | 0.81 | NO | 0.20 | 1.000 | 26.85 | 1.019 | 51.9 | 104 | 0.482 | |
| 37 13C6-Beta-BHC | 4.11e5 | 0.79 | NO | 0.17 | 1.000 | 28.90 | 1.096 | 52.5 | 105 | 0.588 | |
| 38 13C6-Delta-BHC | 4.57e5 | 0.79 | NO | 0.19 | 1.000 | 30.58 | 1.160 | 51.5 | 103 | 0.518 | |
| 39 13C10-Heptachlor | 2.24e5 | 1.26 | NO | 0.07 | 1.000 | 29.01 | 1.101 | 63.9 | 128 | 0.172 | |
| 40 13C12-Aldrin | 3.91e5 | 1.61 | NO | 0.16 | 1.000 | 31.12 | 1.181 | 52.3 | 105 | 0.185 | |
| 41 13C10-Oxychlorane | 1.11e5 | 1.60 | NO | 0.04 | 1.000 | 33.72 | 1.279 | 54.8 | 110 | 0.680 | |



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

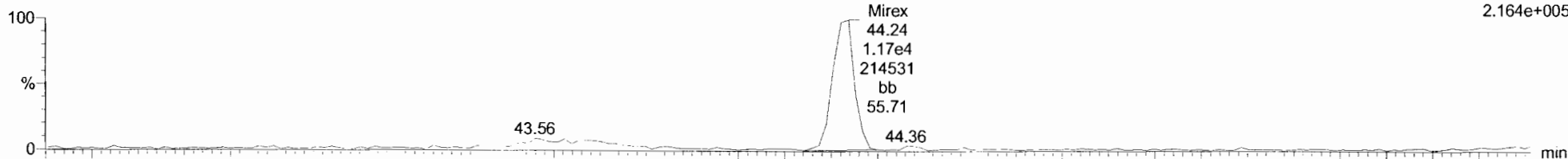
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Mirex

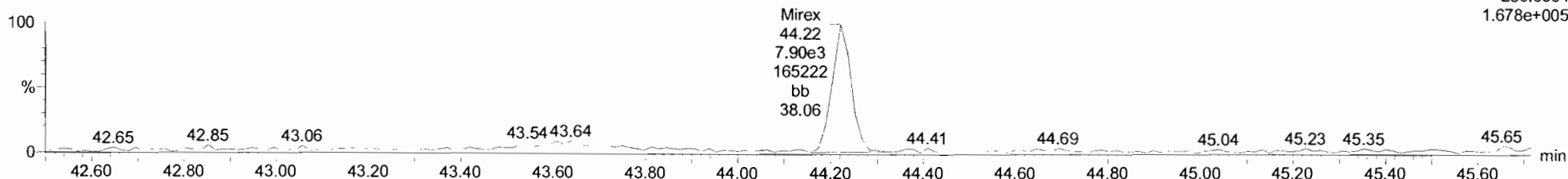
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
236.8413
2.164e+005



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

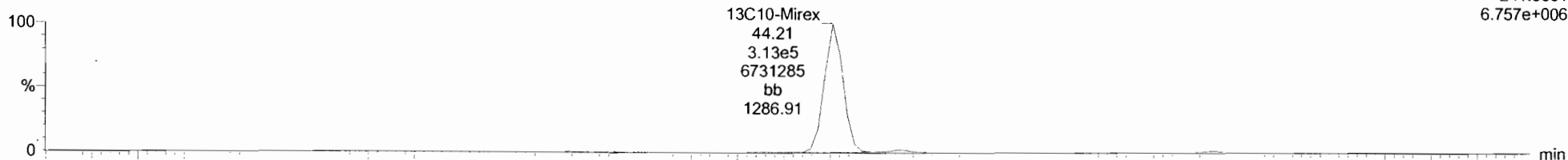
F5:Voltage SIR,EI+
238.8384
1.678e+005



13C10-Mirex

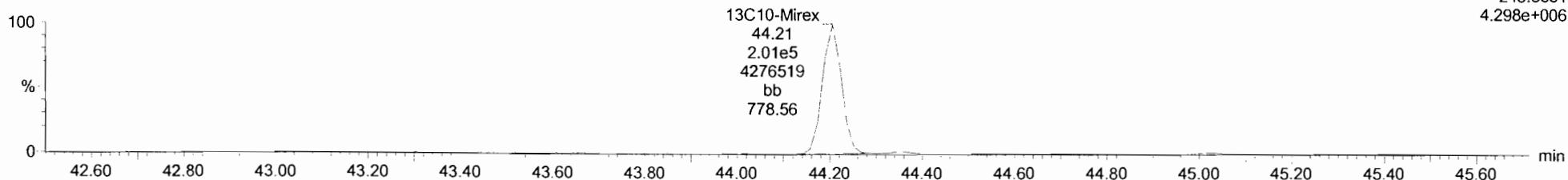
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

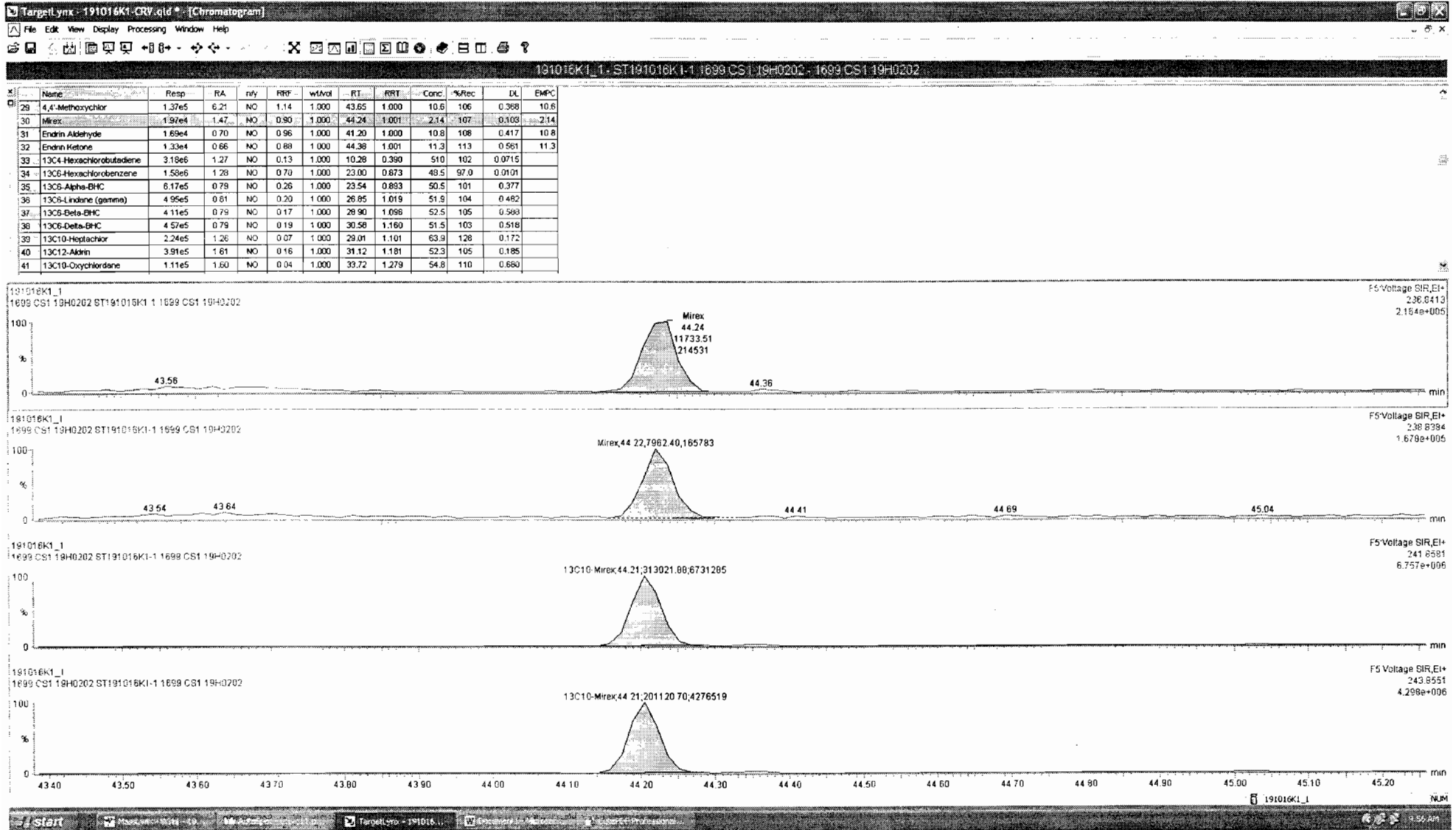
F5:Voltage SIR,EI+
241.8581
6.757e+006



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
243.8551
4.298e+006





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

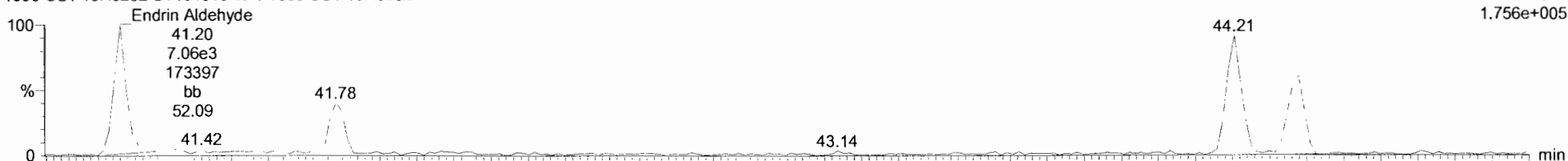
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

EA-EK

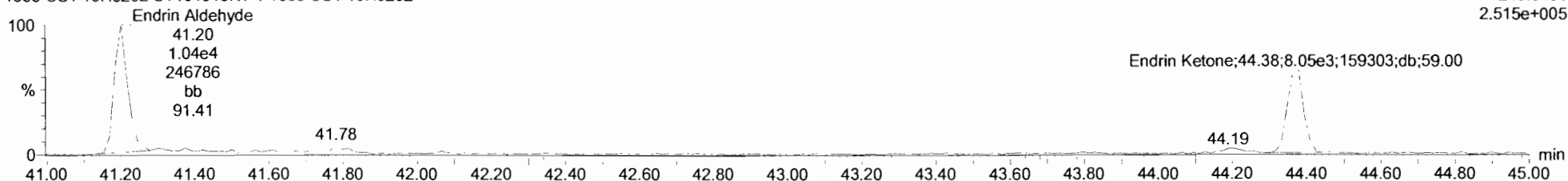
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
247.8521
1.756e+005



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

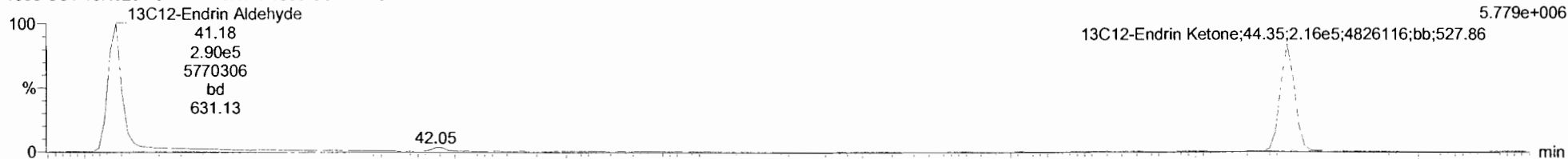
F5:Voltage SIR,EI+
249.8491
2.515e+005



EA-EK-isotopes

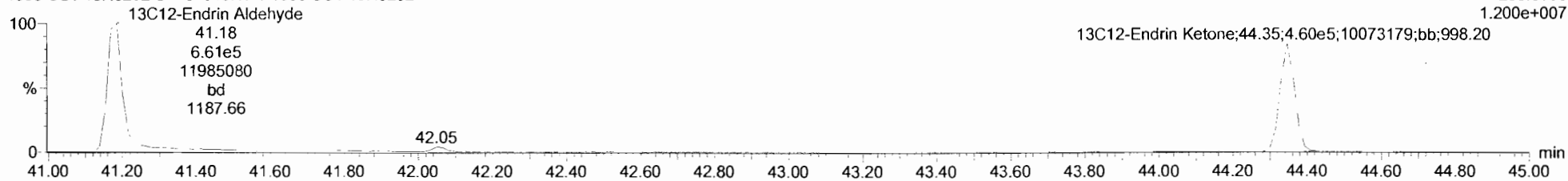
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

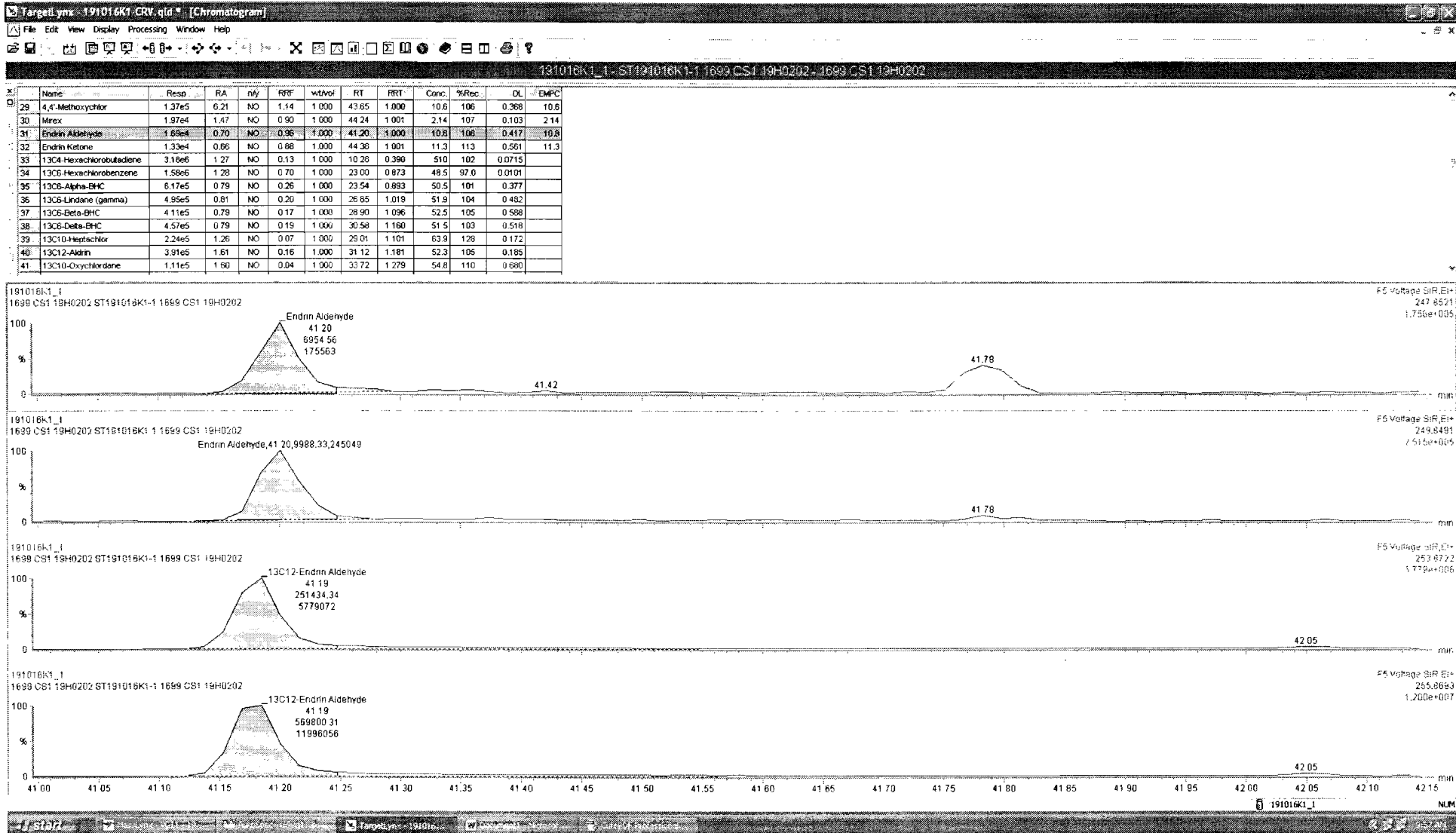
F5:Voltage SIR,EI+
253.8722
5.779e+006

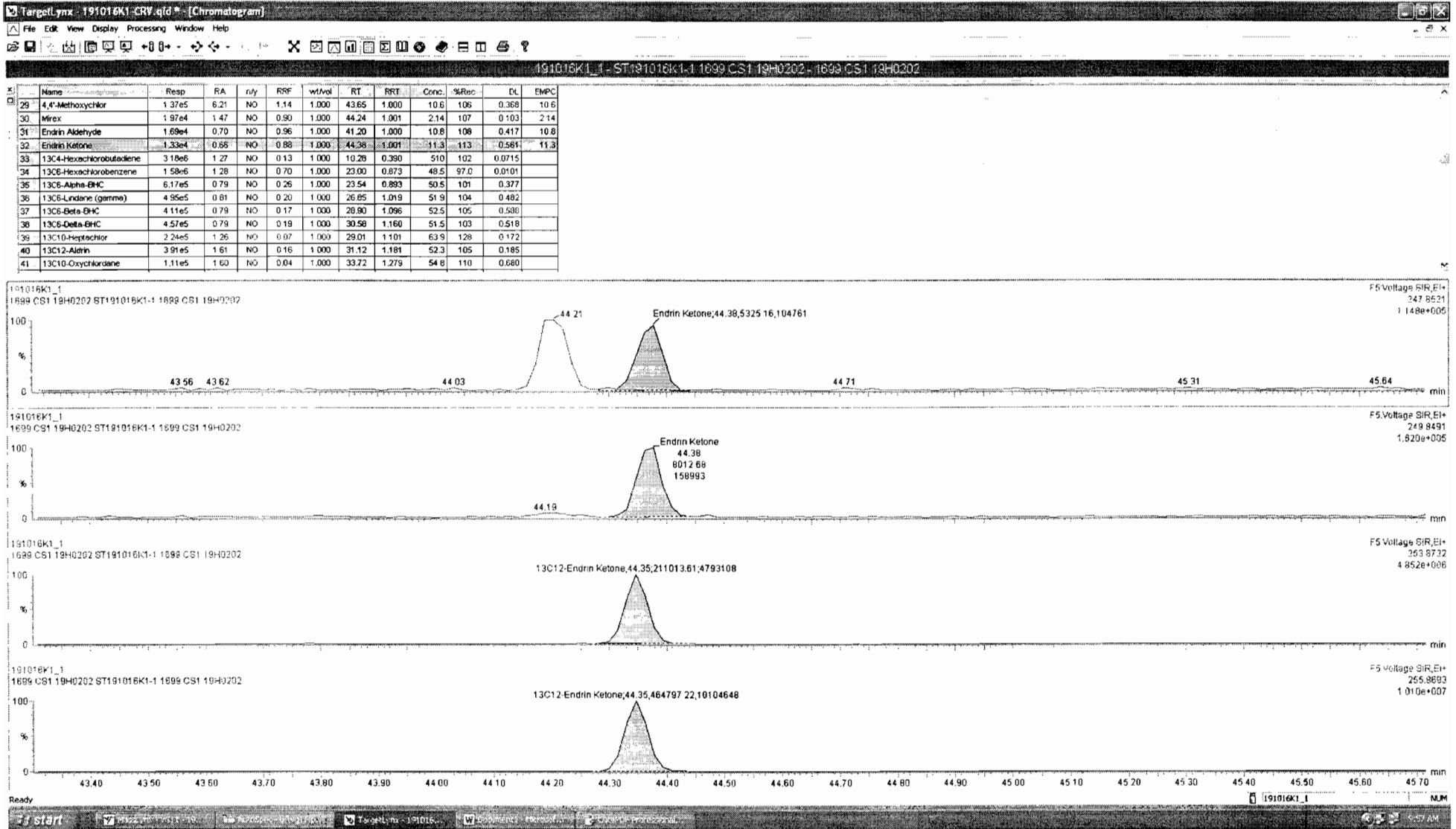


191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
255.8693
1.200e+007







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

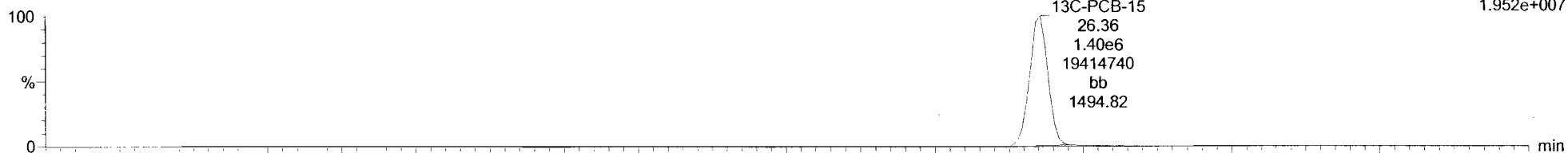
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

13C-PCB-15

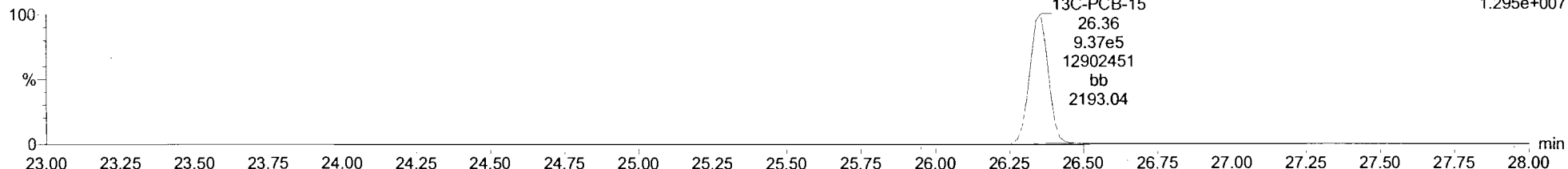
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
234.0406
1.952e+007



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

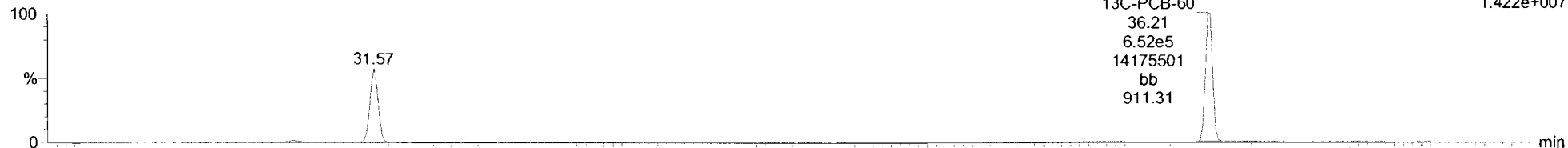
F2:Voltage SIR,EI+
236.0376
1.295e+007



13C-PCB-60

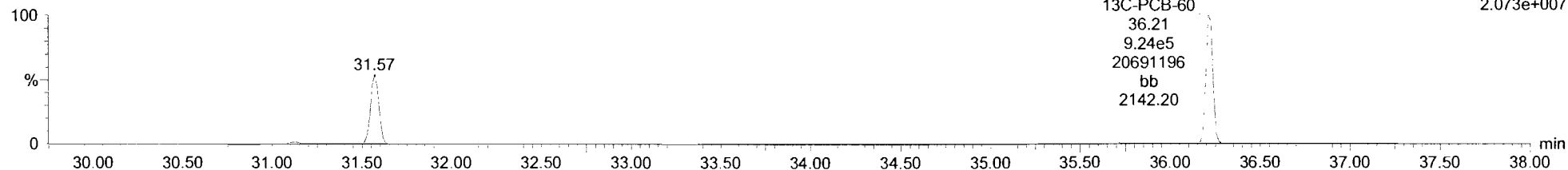
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
301.9626
1.422e+007



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
303.9597
2.073e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

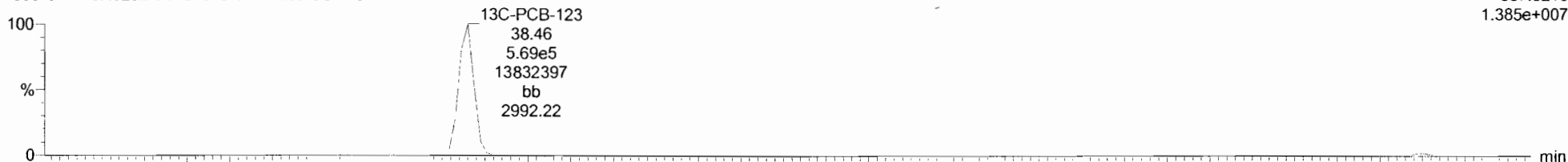
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

13C-PCB-123

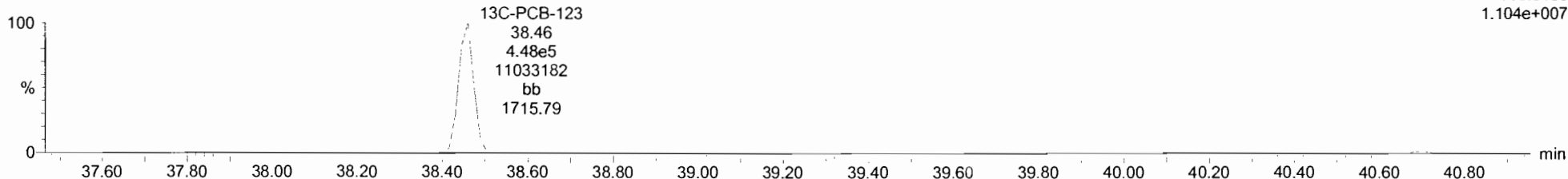
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
337.9210
1.385e+007



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

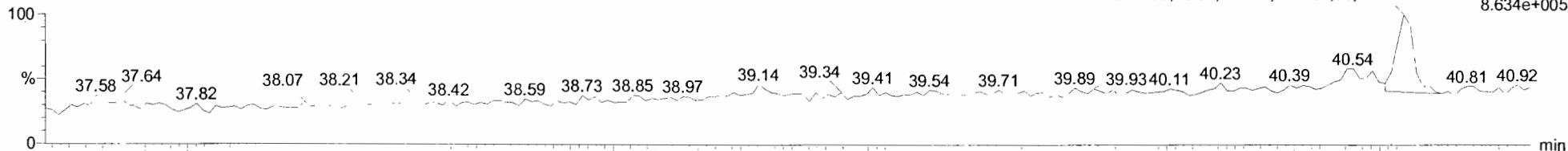
F4:Voltage SIR,EI+
339.9180
1.104e+007



13C-PARLAR 39

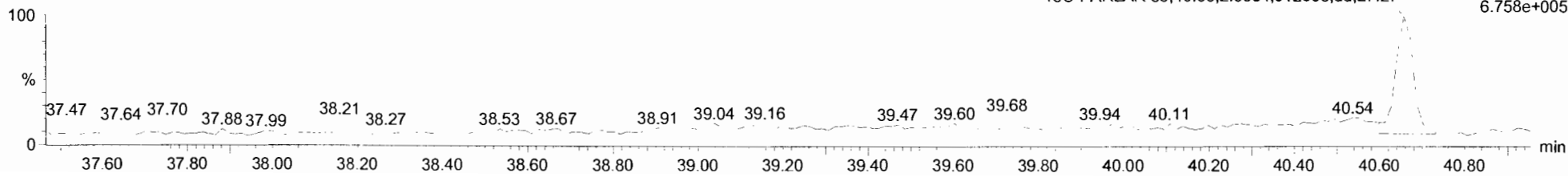
191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
251.9648
8.634e+005
13C-PARLAR 39;40.66;2.51e4;514154;db;11.68



191016K1_1
1699 CS1 19H0202 ST191016K1-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
253.9619
6.758e+005
13C-PARLAR 39;40.66;2.96e4;612963;dd;27.27



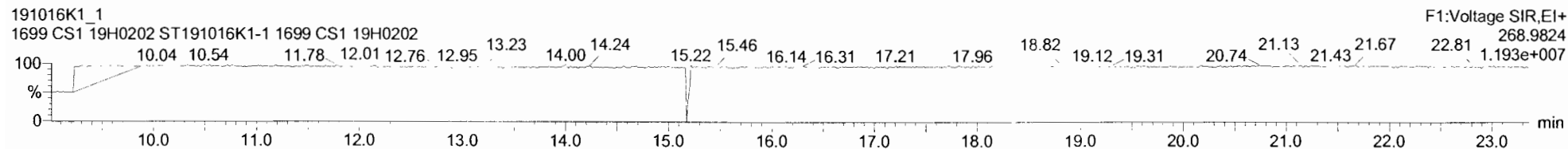
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

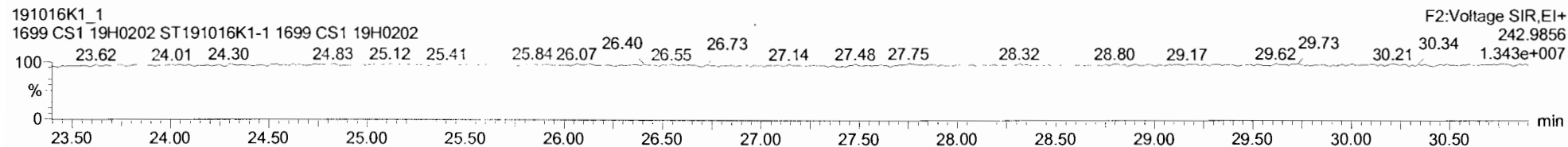
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_1, Date: 16-Oct-2019, Time: 15:25:07, ID: ST191016K1-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

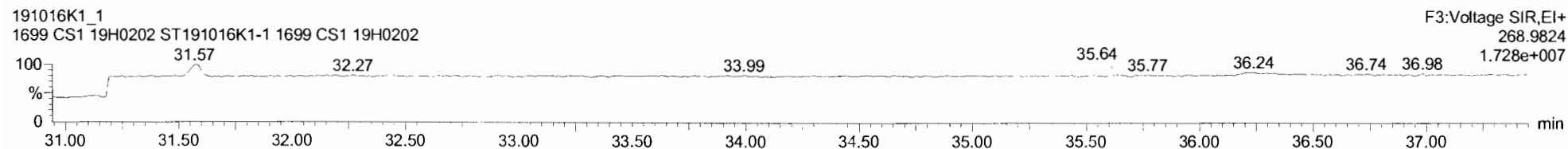
PFK1



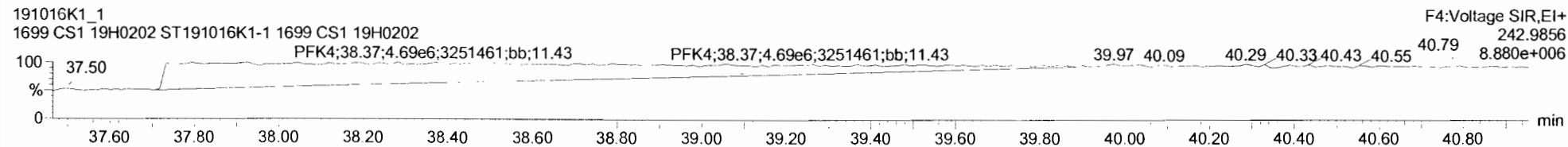
PFK2



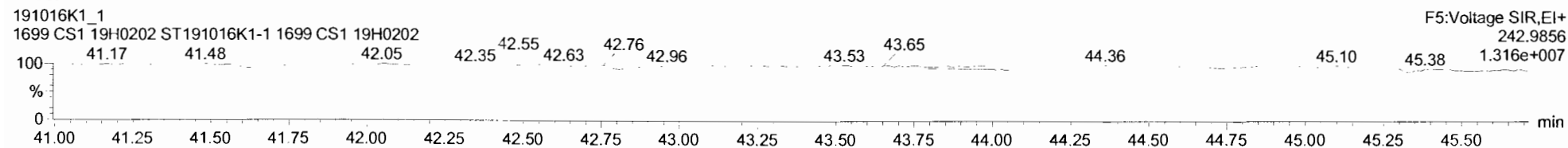
PFK3



PFK4



PFK5



Dataset: Untitled

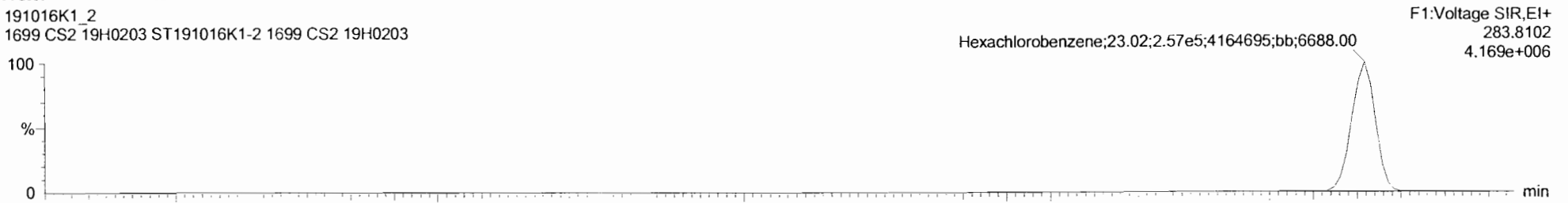
Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

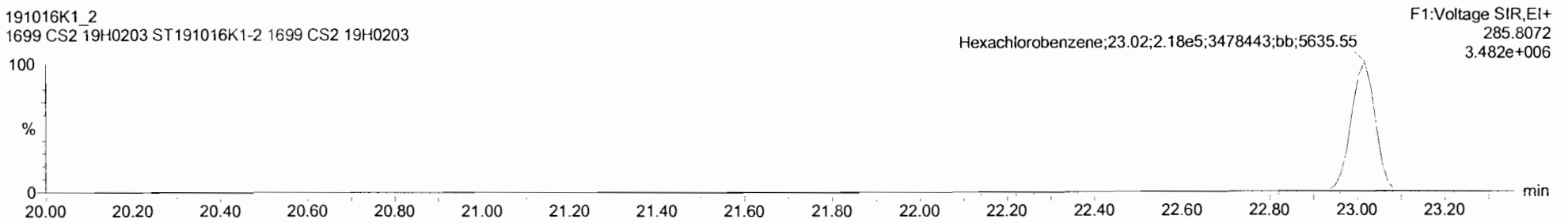
Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Hexachlorobenzene

191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

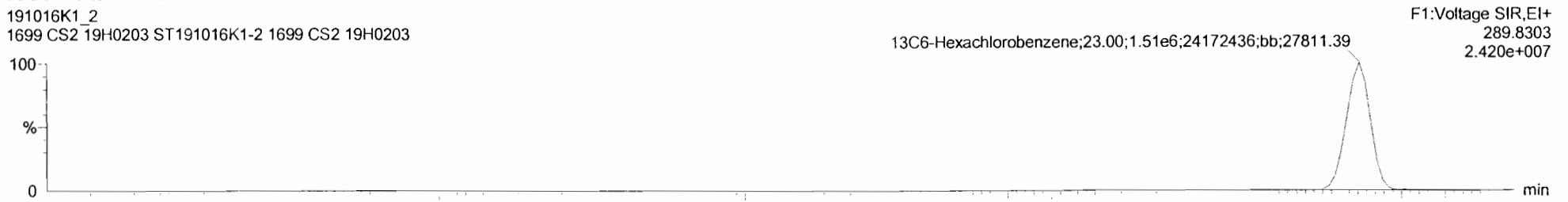


191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

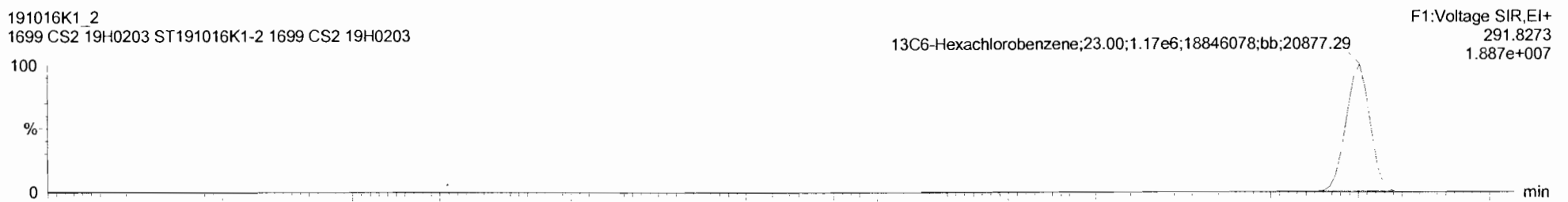


13C6-Hexachlorobenzene

191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203



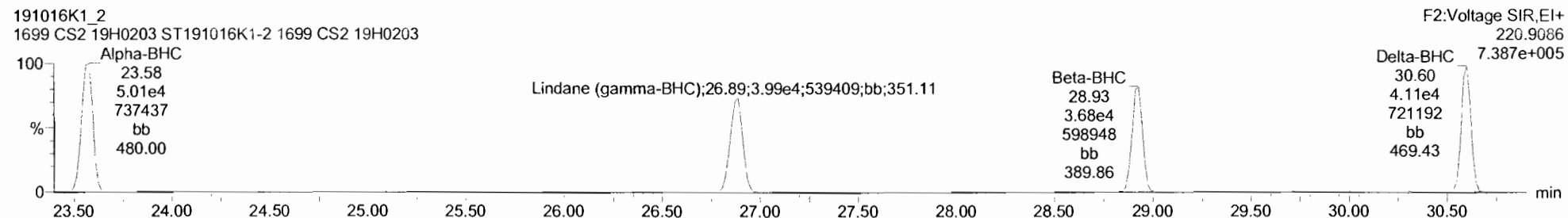
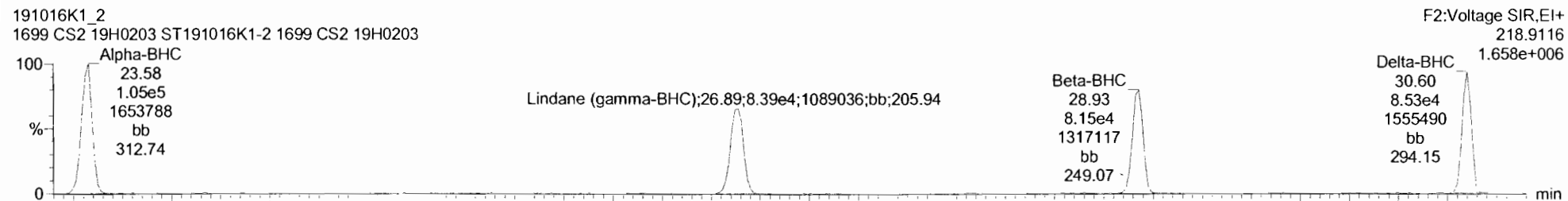
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

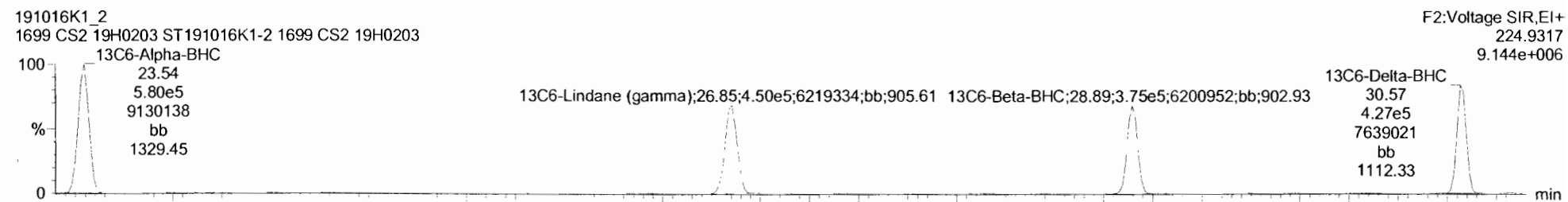
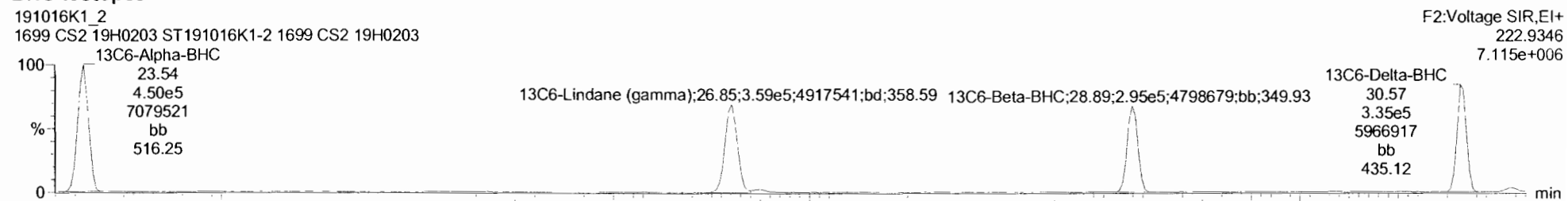
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

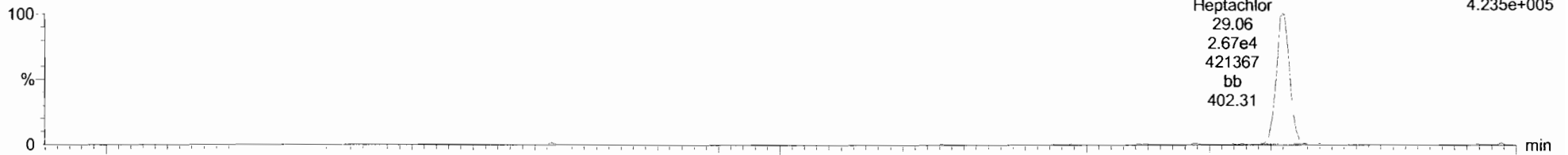
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Heptachlor

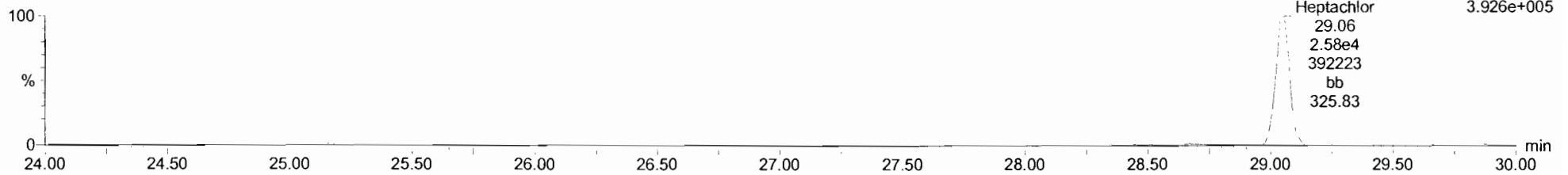
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
271.8102
4.235e+005



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

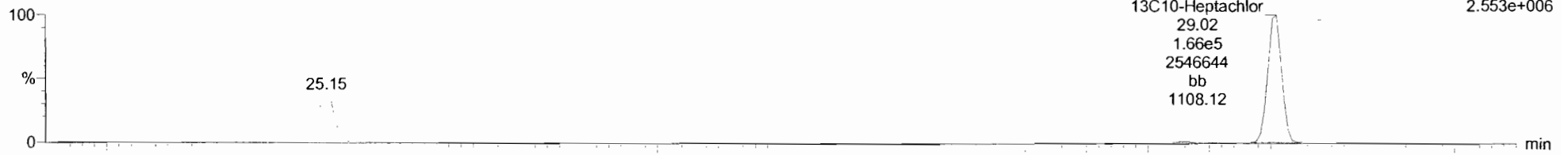
F2:Voltage SIR,EI+
273.8072
3.926e+005



13C10-Heptachlor

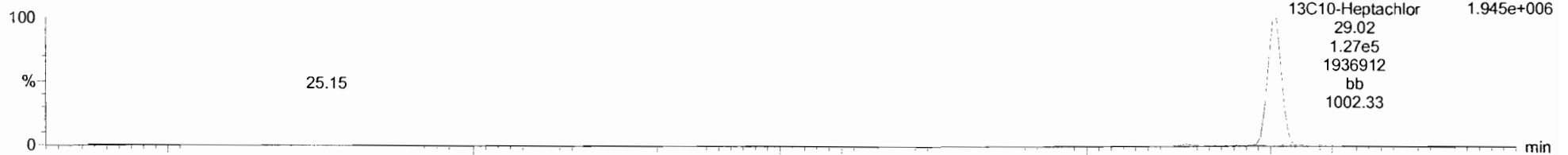
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
276.8269
2.553e+006



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
278.8240
1.945e+006



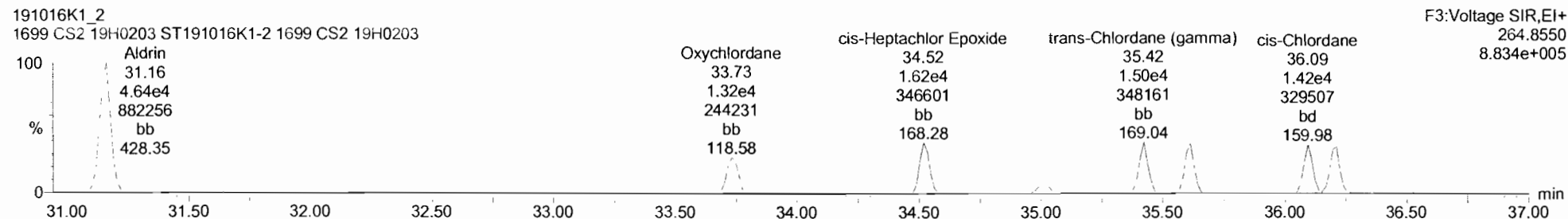
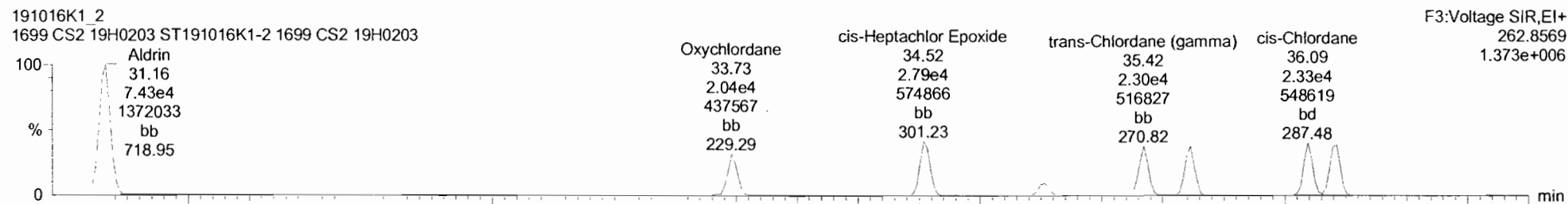
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

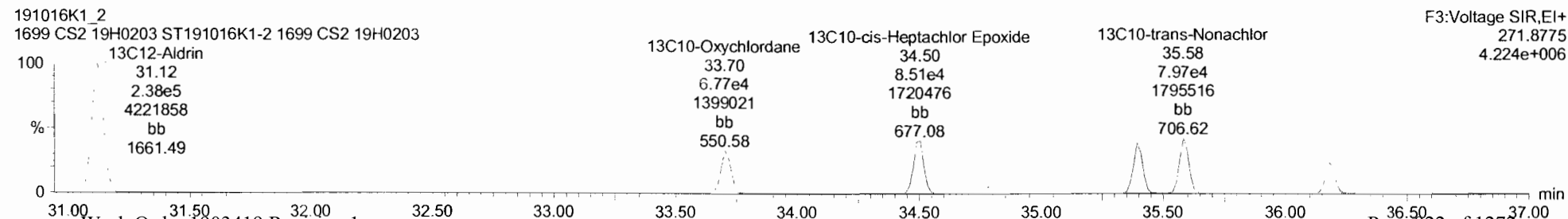
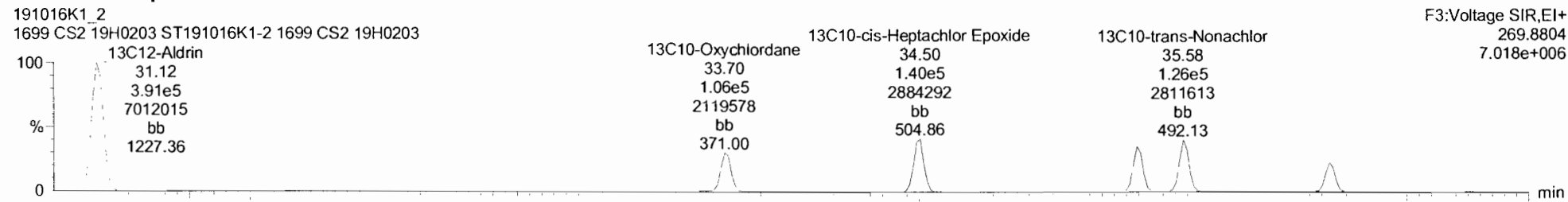
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

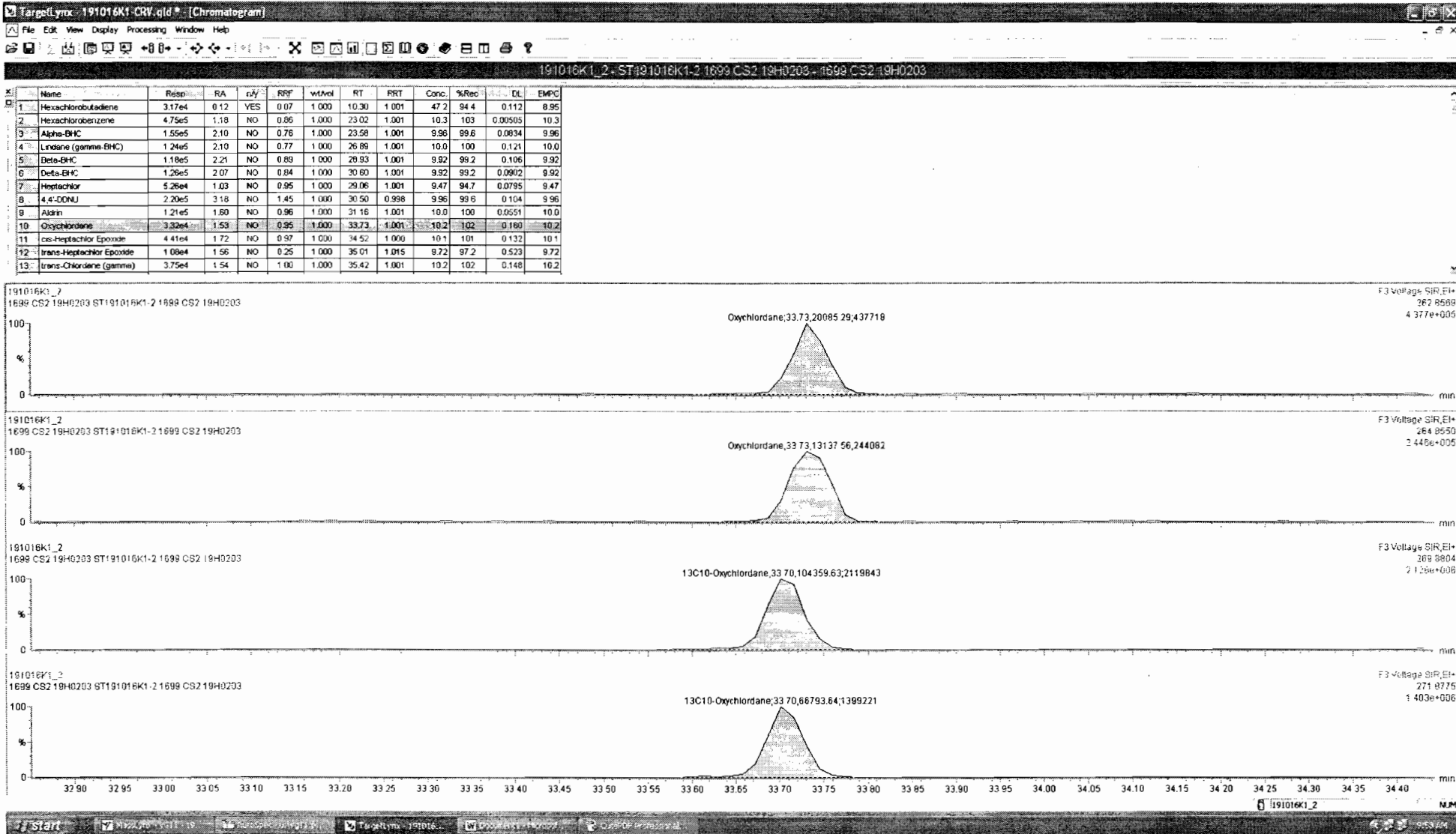
Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

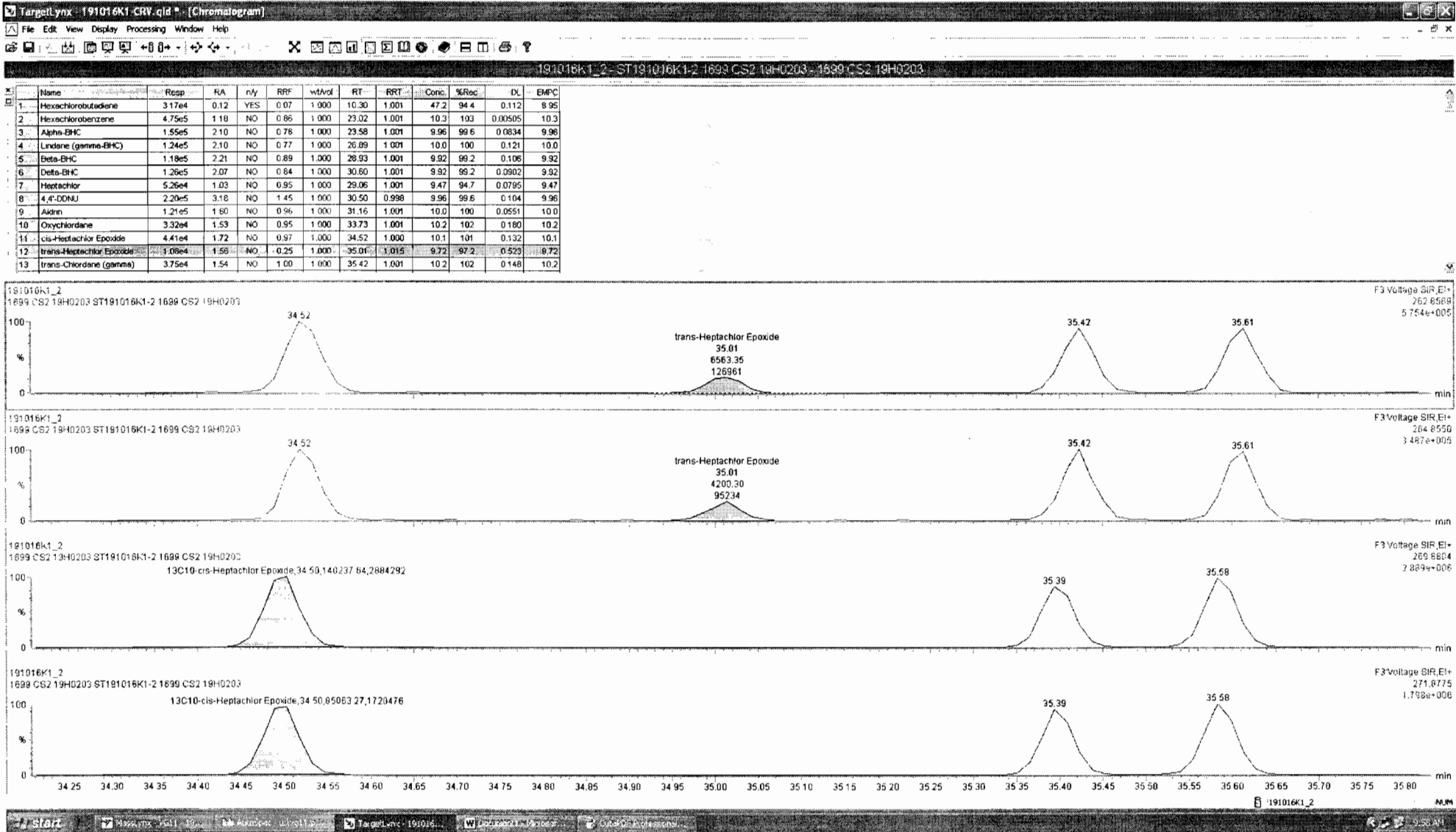
Aldrin-EI

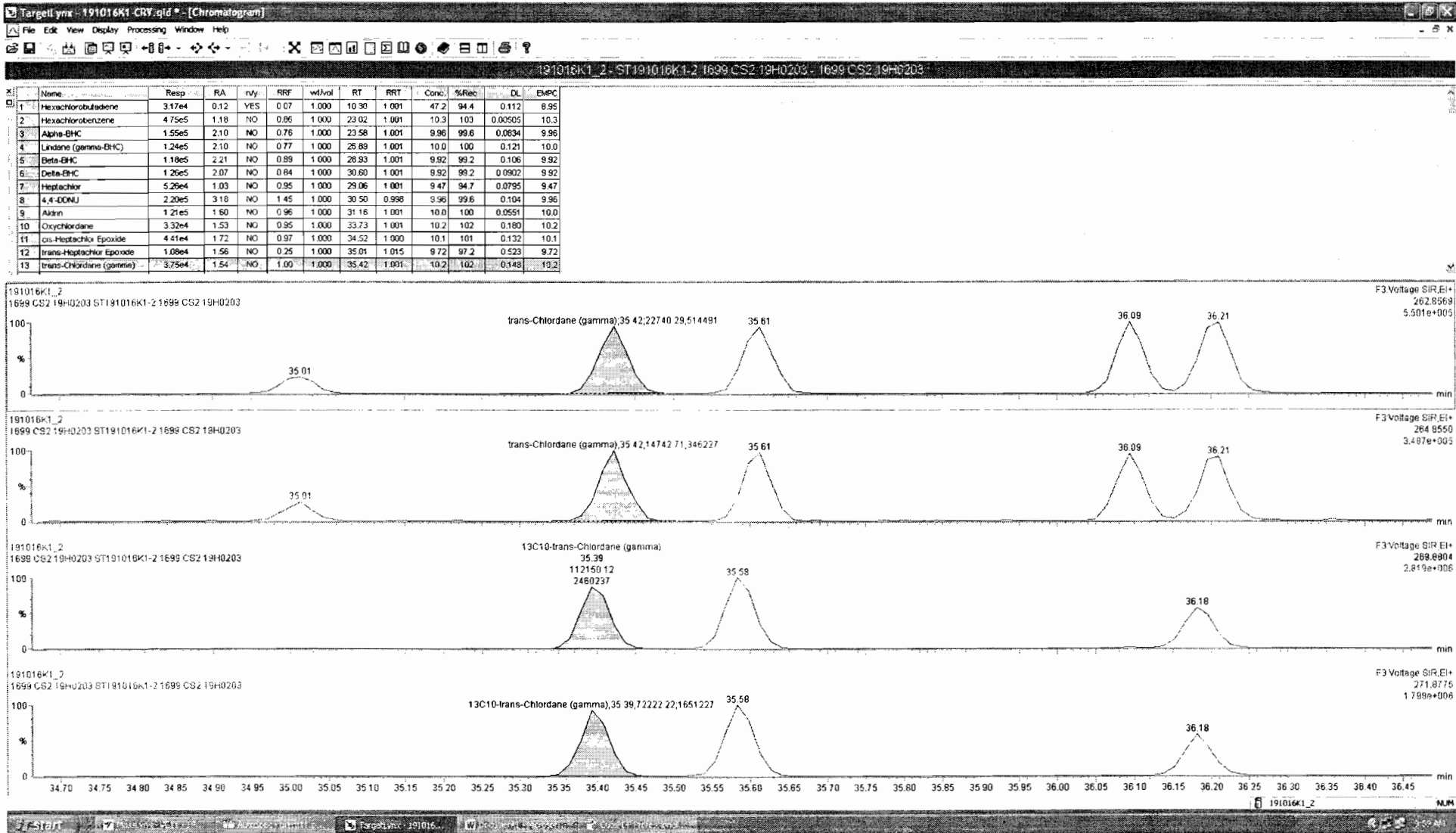


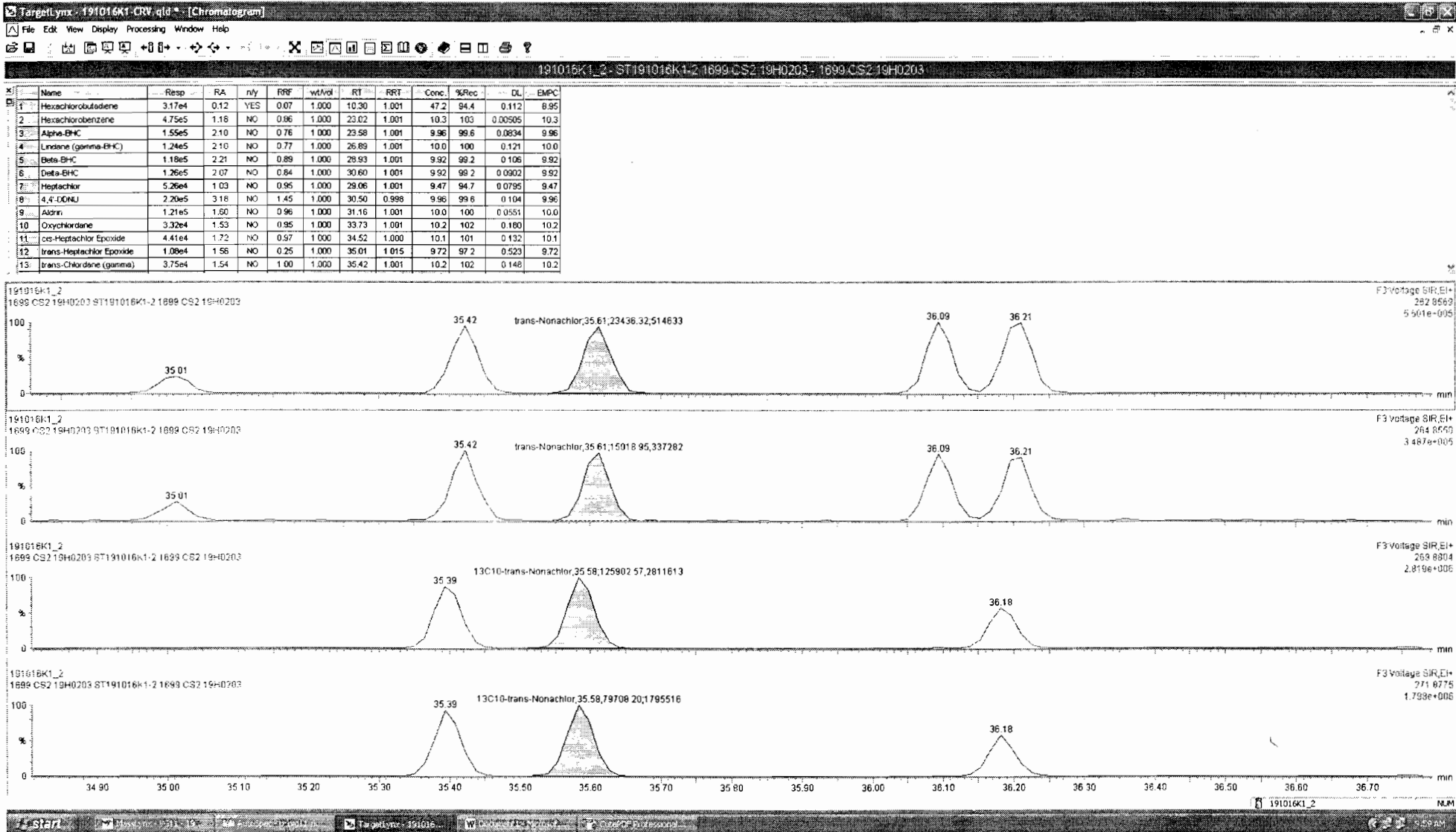
Aldrin-EI-isotopes

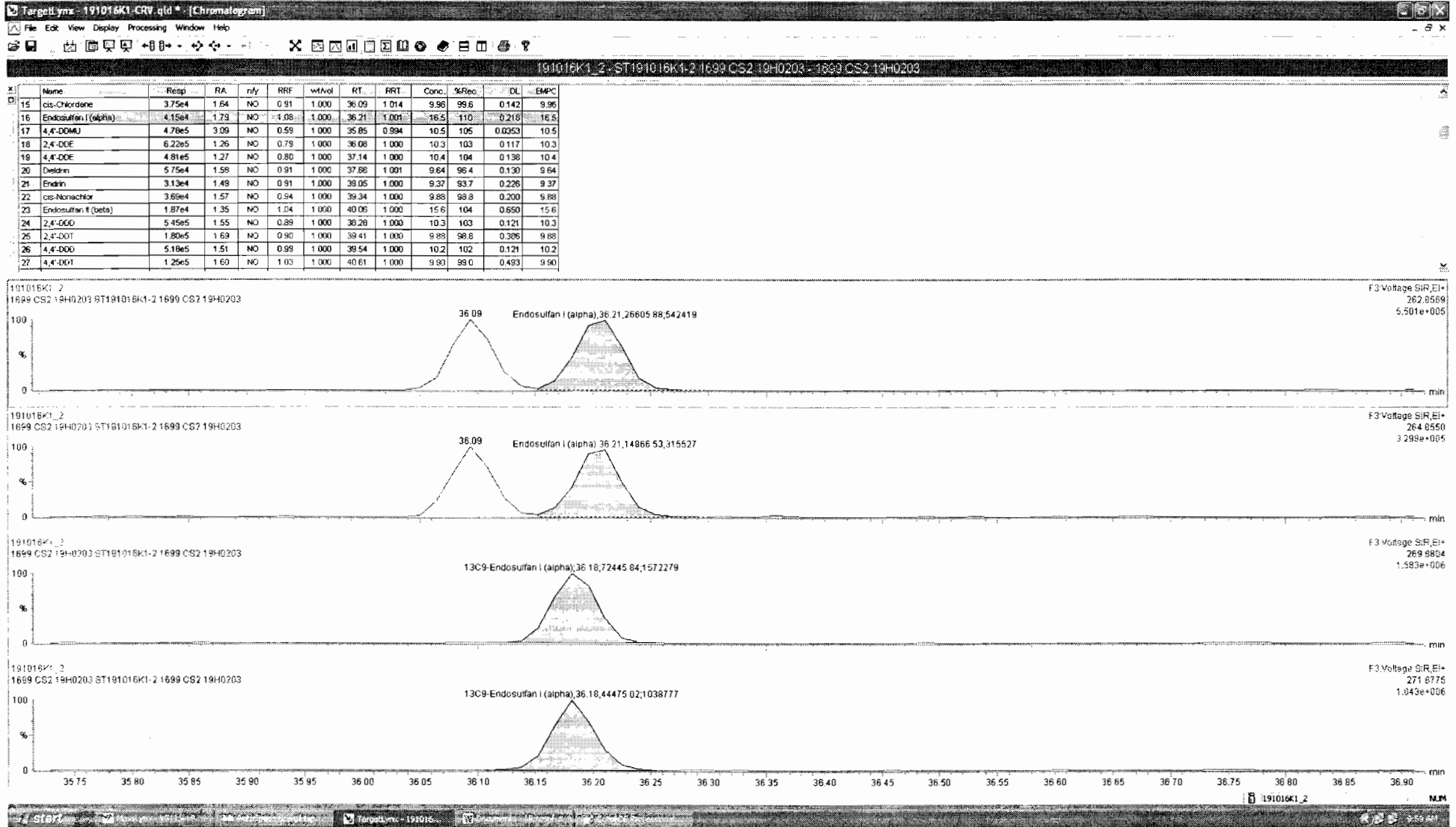












Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

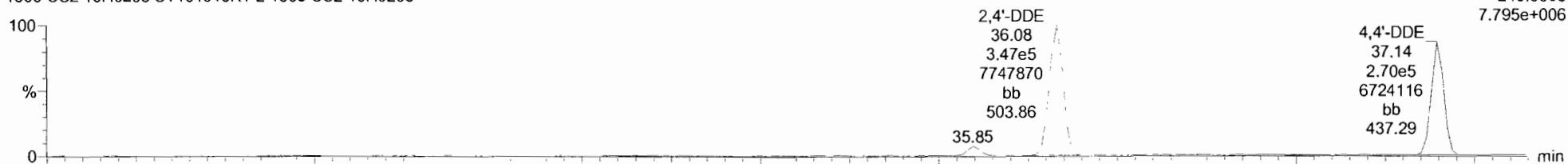
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

DDMU-DDE

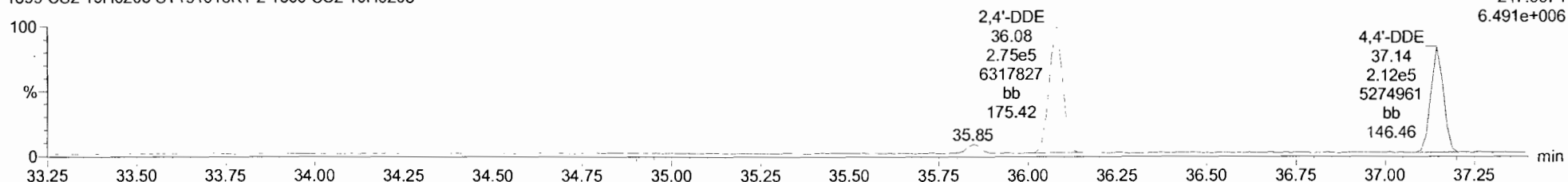
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
246.0003
7.795e+006



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

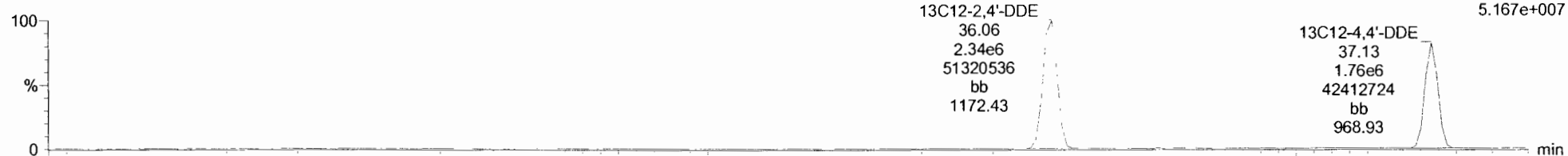
F3:Voltage SIR,EI+
247.9974
6.491e+006



DDE-isotopes

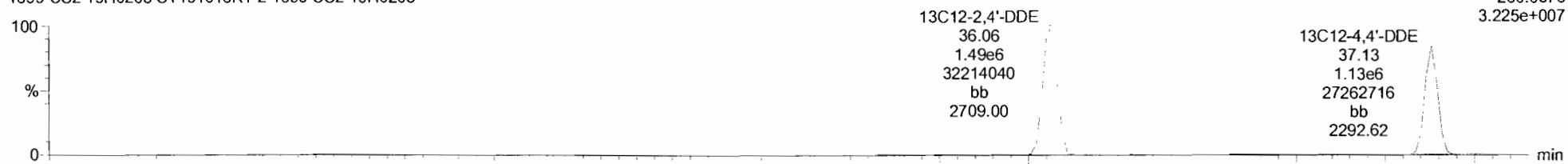
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
258.0406
5.167e+007



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
260.0376
3.225e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

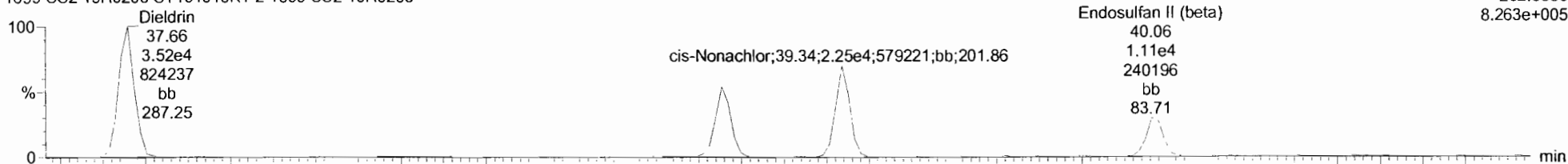
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Dieldrin-EII

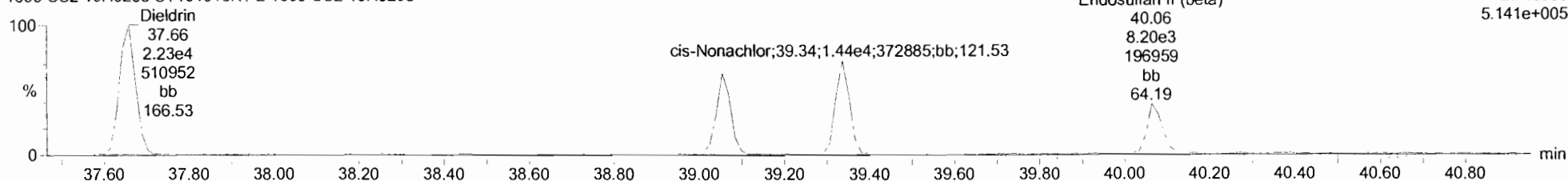
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
262.8569
8.263e+005



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

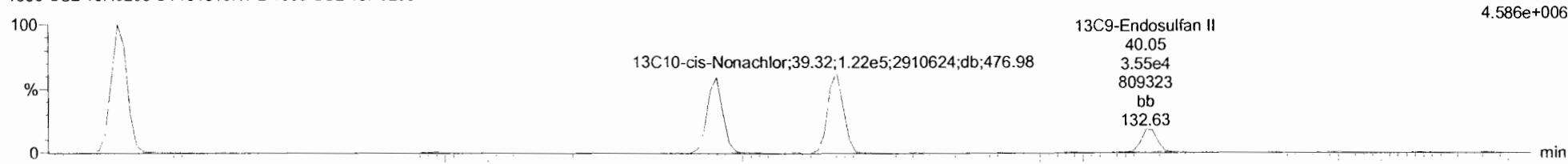
F4:Voltage SIR,EI+
264.8550
5.141e+005



Dieldrin-EII-isotopes

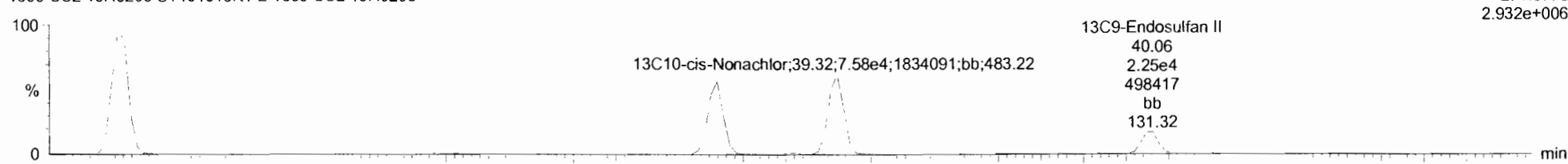
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

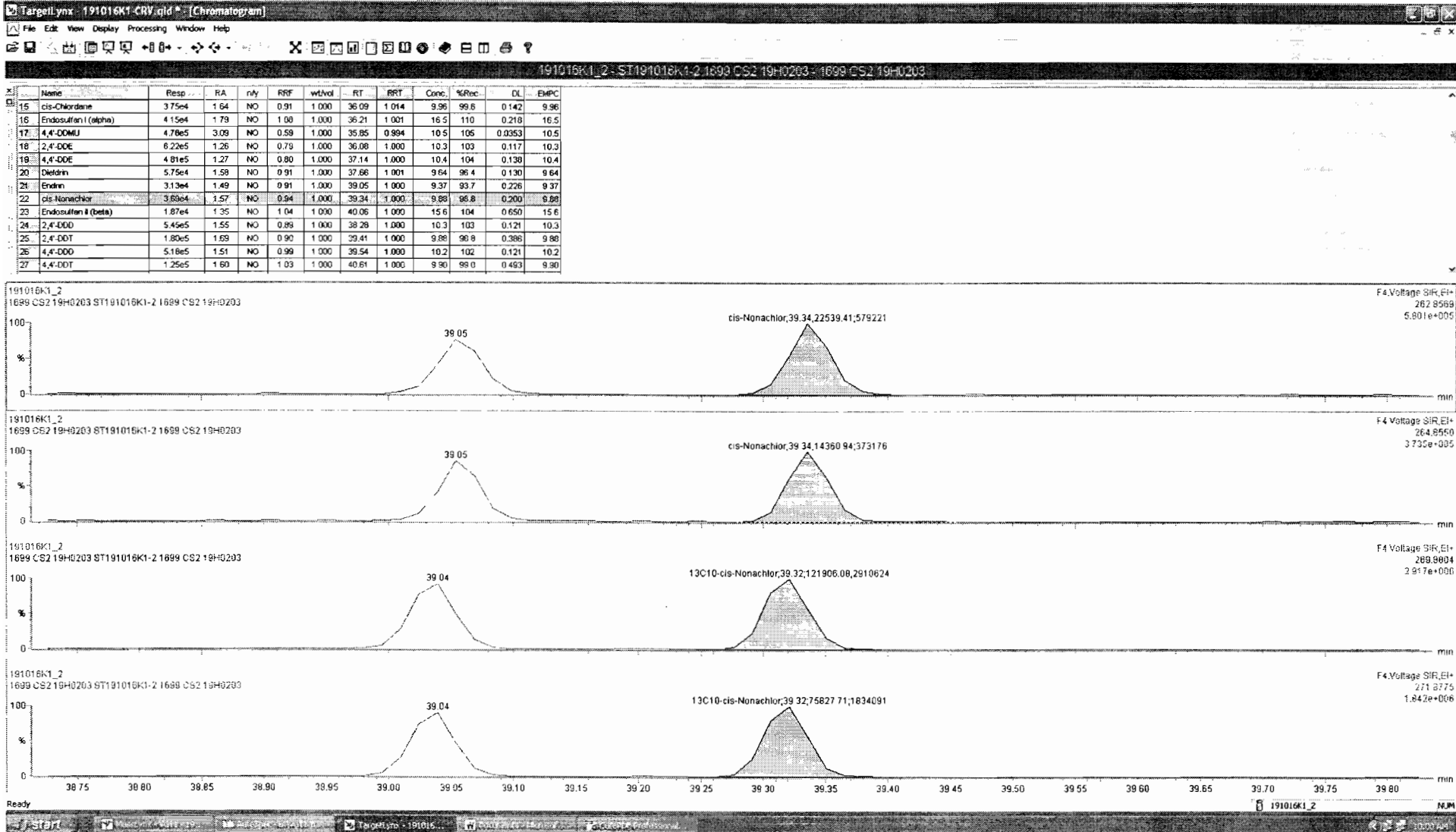
F4:Voltage SIR,EI+
269.8804
4.586e+006

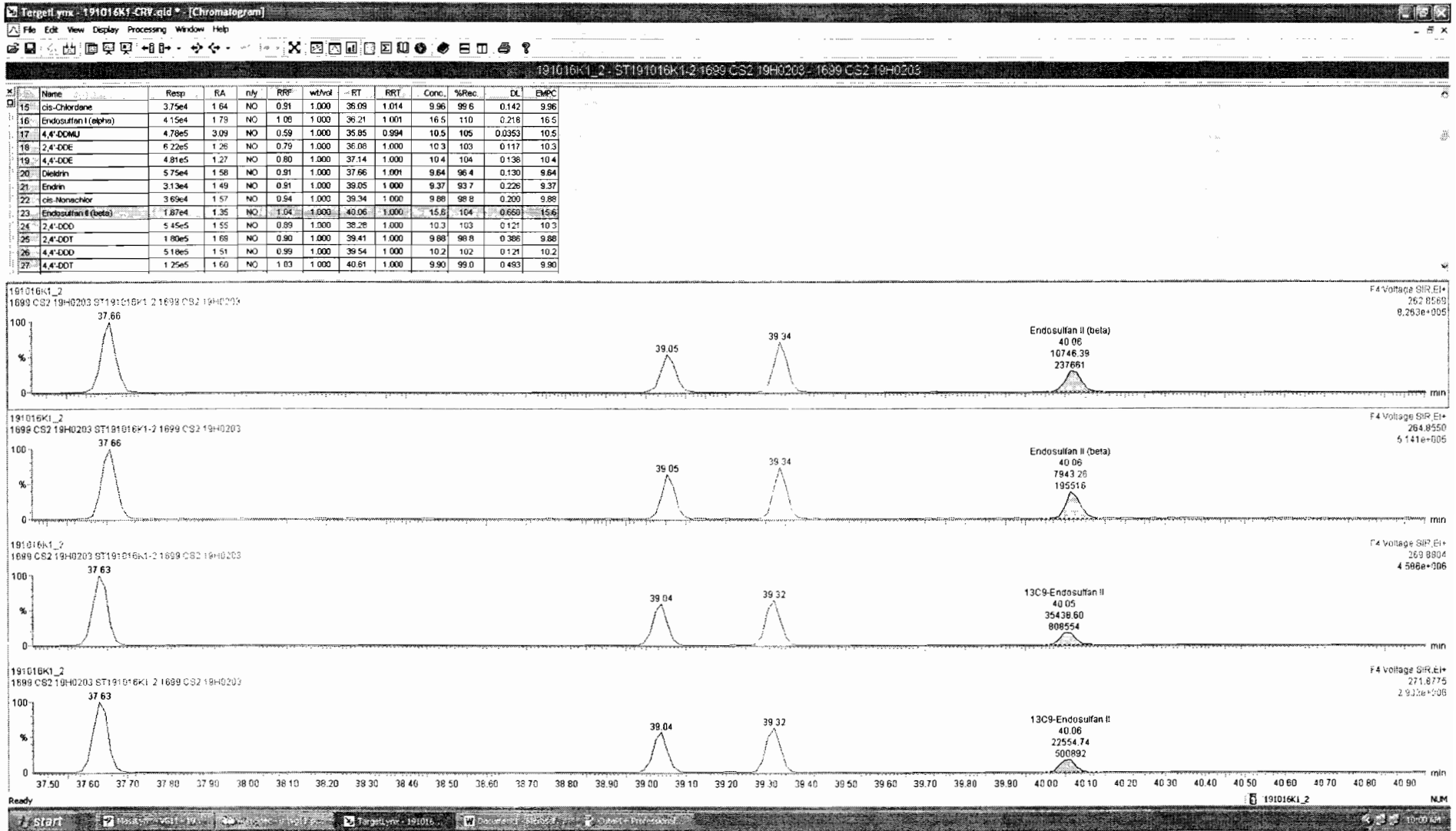


191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
271.8775
2.932e+006







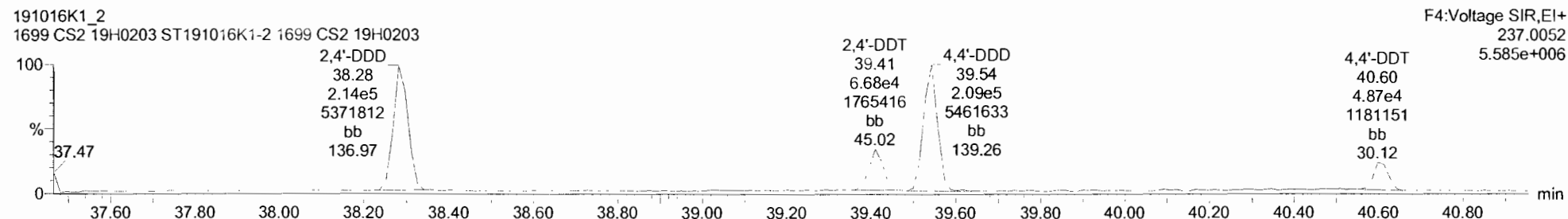
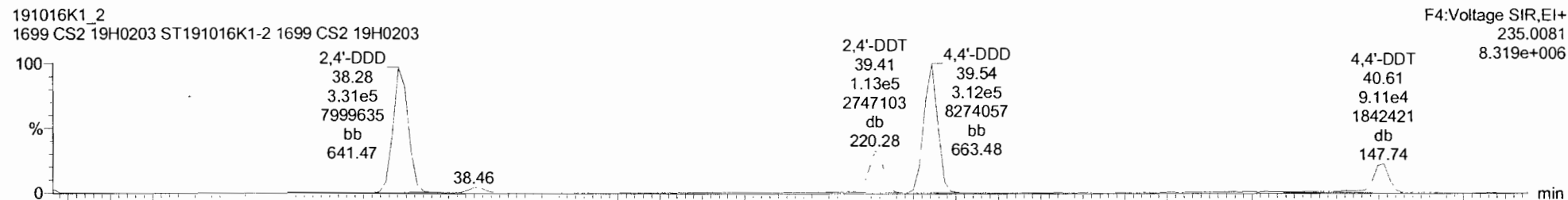
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

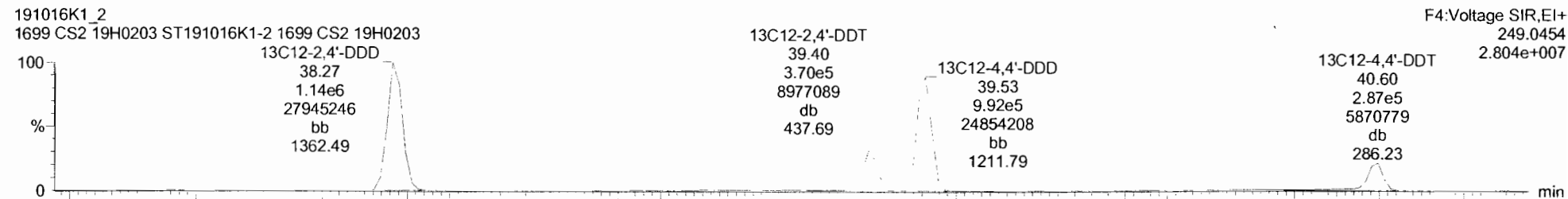
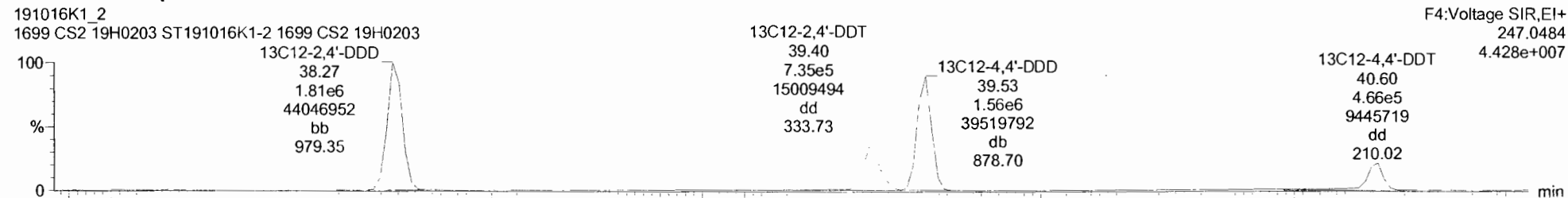
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

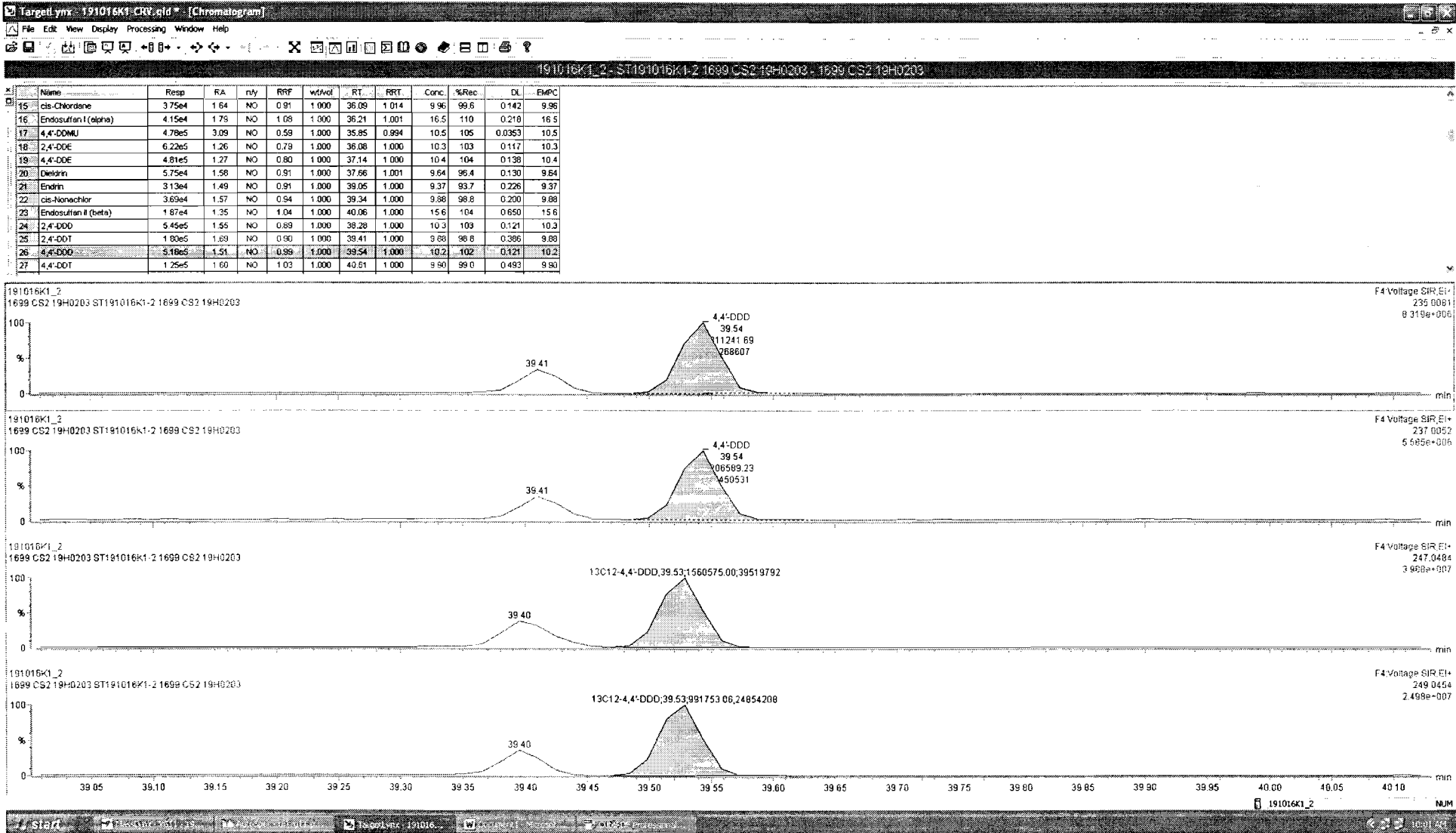
Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

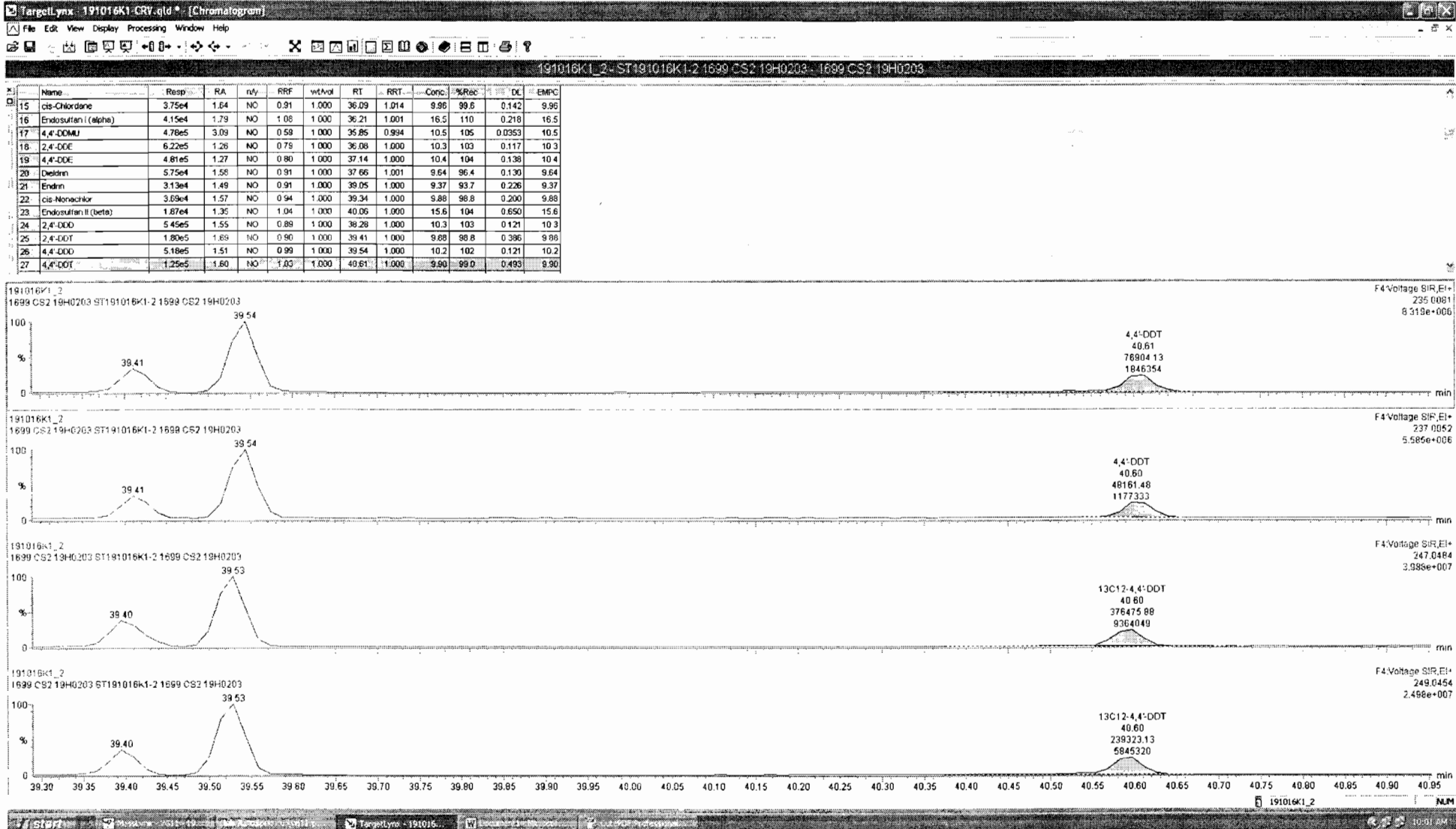
DDD-DDT



DDD-DDT-isotopes







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

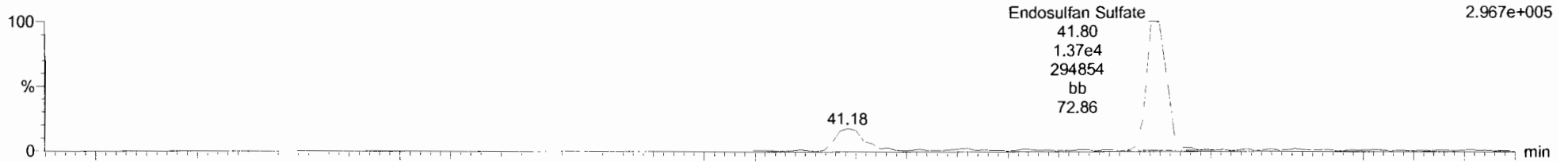
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Endosulfan Sulfate

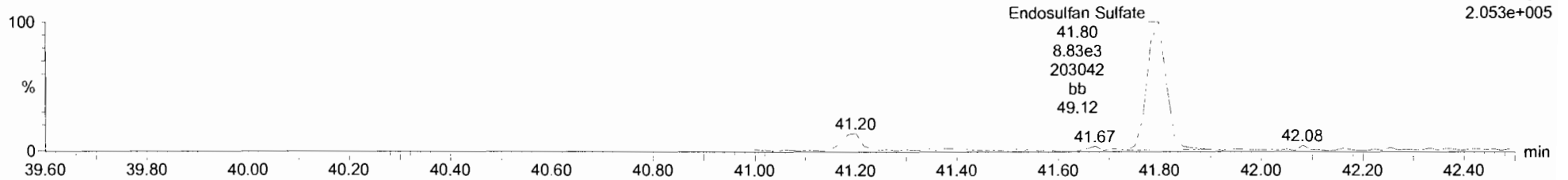
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
262.8569
2.967e+005



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

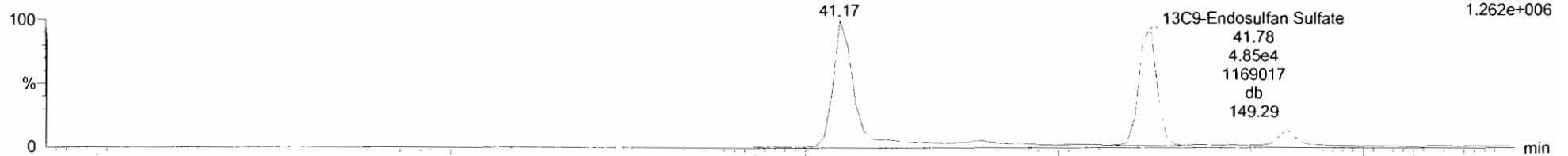
F5:Voltage SIR,EI+
264.8540
2.053e+005



13C9-Endosulfan Sulfate

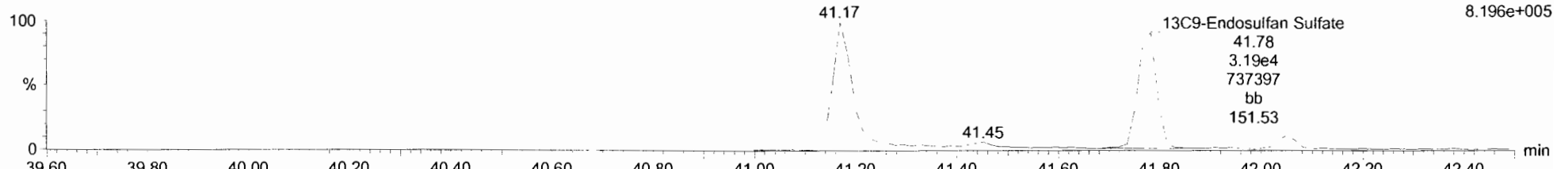
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

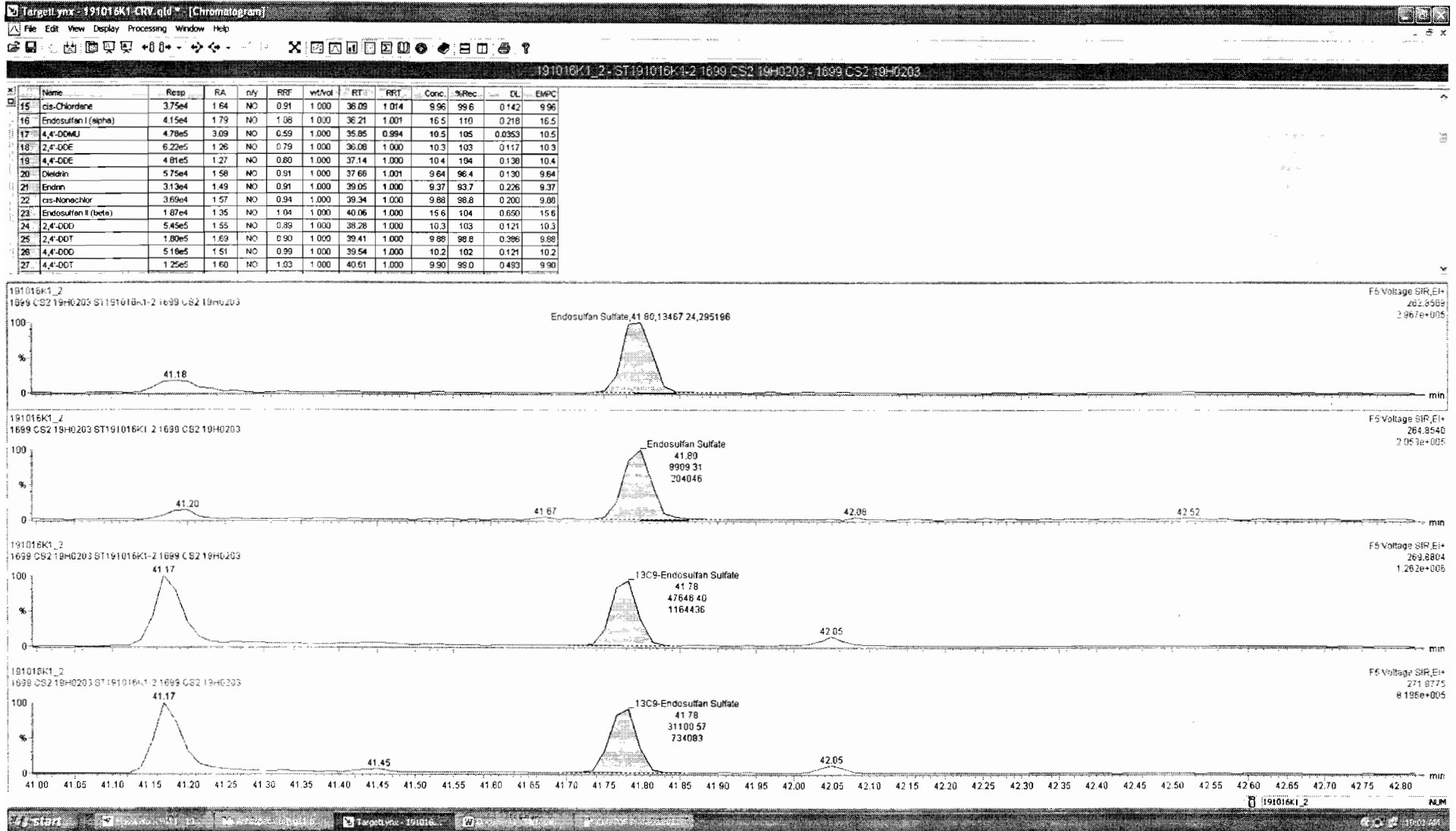
F5:Voltage SIR,EI+
269.8804
1.262e+006



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
271.8775
8.196e+005





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

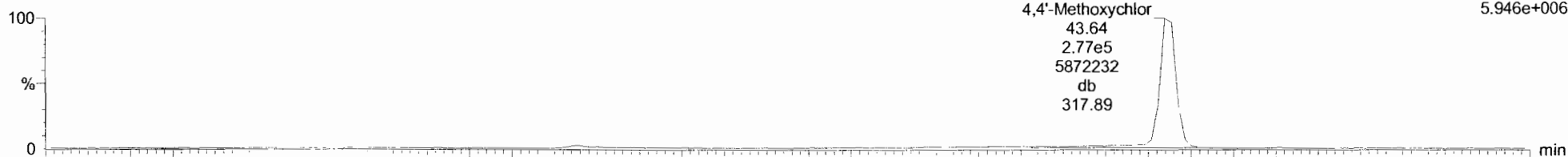
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

4,4'-Methoxychlor

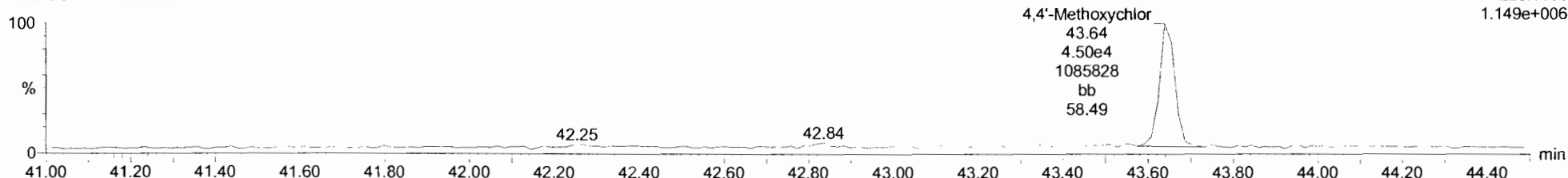
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
227.1072
5.946e+006



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

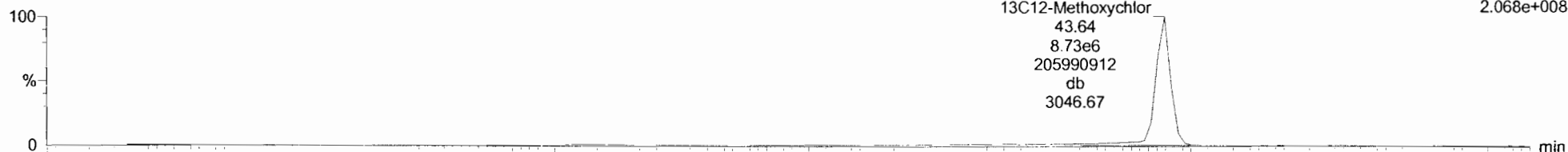
F5:Voltage SIR,EI+
228.1106
1.149e+006



13C12-Methoxychlor

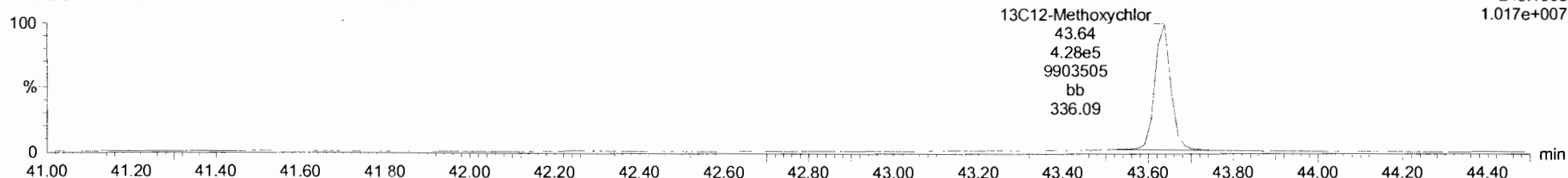
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
239.1475
2.068e+008

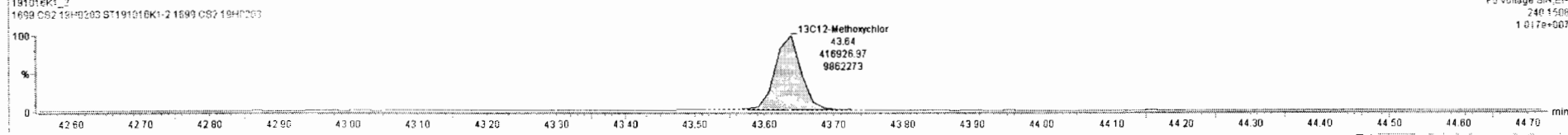
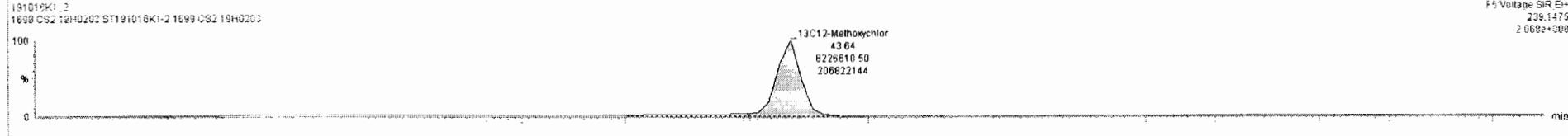
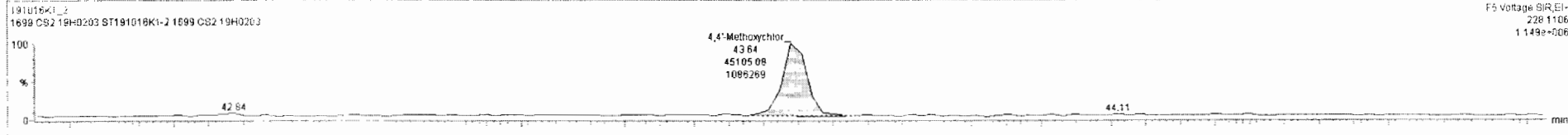
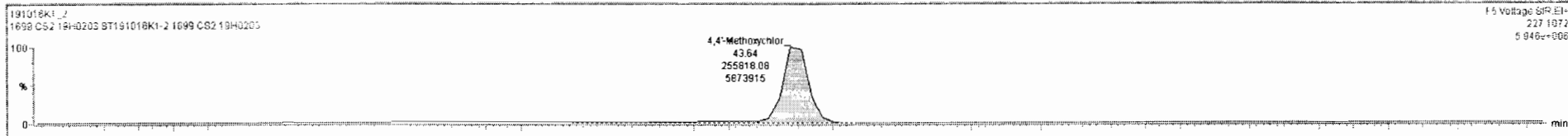


191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
240.1508
1.017e+007



| # | Name | Resp | PA | nfy | RRF | wtVol | RT | RRT | Conc | %Rec | DL | EMPC |
|----|--------------------------|--------|------|-----|------|-------|-------|-------|------|------|---------|------|
| 29 | 4,4'-Methoxychlor | 3.01e5 | 5.67 | NO | 1.14 | 1.000 | 43.64 | 1.000 | 15.3 | 102 | 0.224 | 15.3 |
| 30 | Mirex | 1.53e5 | 1.44 | NO | 0.90 | 1.000 | 44.22 | 1.000 | 10.0 | 100 | 0.0749 | 10.0 |
| 31 | Endrin Aldehyde | 3.35e4 | 0.64 | NO | 0.96 | 1.000 | 41.20 | 1.001 | 14.8 | 98.8 | 0.427 | 14.8 |
| 32 | Endrin Ketone | 2.85e4 | 0.64 | NO | 0.88 | 1.000 | 44.96 | 1.000 | 15.2 | 102 | 0.492 | 15.2 |
| 33 | 13C4-Hexachlorobutadiene | 5.04e6 | 1.27 | NO | 0.13 | 1.000 | 10.28 | 0.390 | 486 | 97.1 | 0.0386 | |
| 34 | 13C6-Hexachlorobenzene | 2.68e6 | 1.28 | NO | 0.70 | 1.000 | 23.00 | 0.873 | 49.5 | 99.1 | 0.00705 | |
| 35 | 13C6-Alpha-BHC | 1.03e6 | 0.78 | NO | 0.26 | 1.000 | 23.54 | 0.893 | 50.7 | 101 | 0.219 | |
| 36 | 13C6-Lindane (gamma) | 8.09e5 | 0.80 | NO | 0.20 | 1.000 | 26.85 | 1.019 | 59.9 | 102 | 0.280 | |
| 37 | 13C6-Beta-BHC | 6.70e5 | 0.79 | NO | 0.17 | 1.000 | 28.90 | 1.096 | 51.5 | 103 | 0.341 | |
| 38 | 13C6-Delta-BHC | 7.62e5 | 0.79 | NO | 0.19 | 1.000 | 30.57 | 1.160 | 51.5 | 103 | 0.300 | |
| 39 | 13C10-Heptachlor | 2.93e5 | 1.31 | NO | 0.07 | 1.000 | 29.02 | 1.101 | 50.3 | 101 | 0.157 | |
| 40 | 13C12-Aldrin | 6.30e5 | 1.64 | NO | 0.16 | 1.000 | 31.12 | 1.181 | 50.6 | 101 | 0.143 | |
| 41 | 13C10-Oxychlorane | 1.71e5 | 1.56 | NO | 0.04 | 1.000 | 33.70 | 1.279 | 50.6 | 101 | 0.527 | |



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

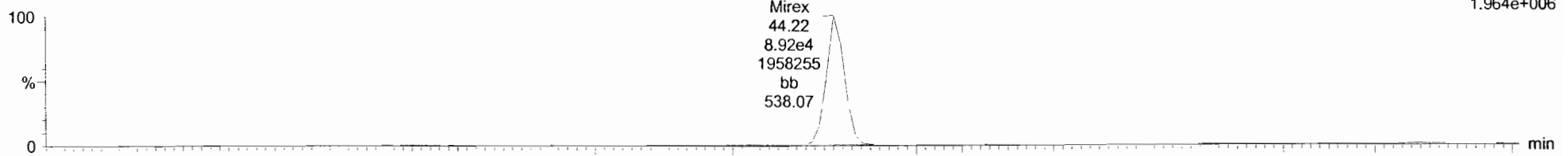
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Mirex

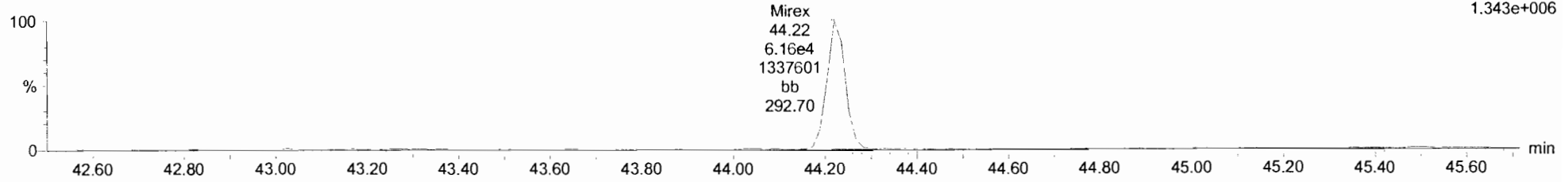
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
236.8413
1.964e+006



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

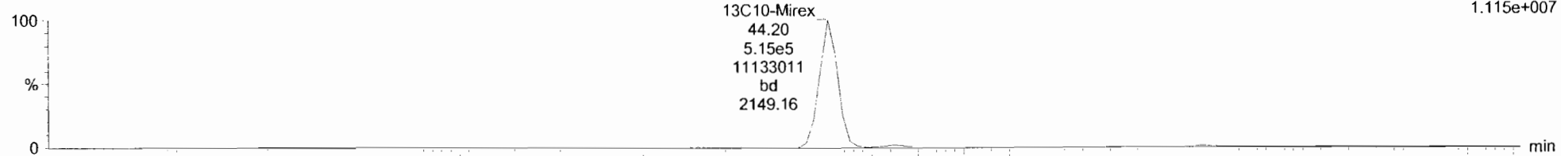
F5:Voltage SIR,EI+
238.8384
1.343e+006



13C10-Mirex

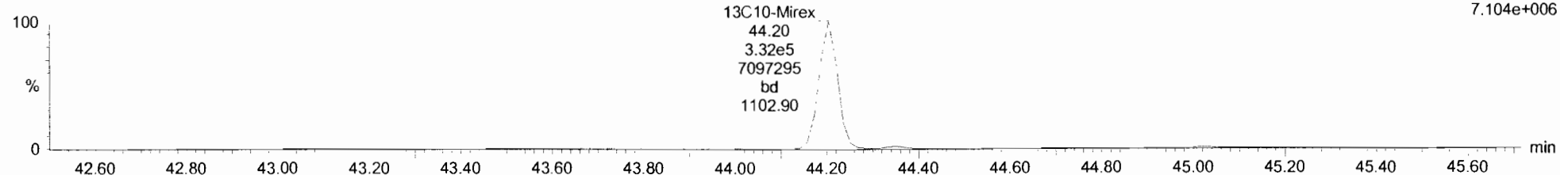
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

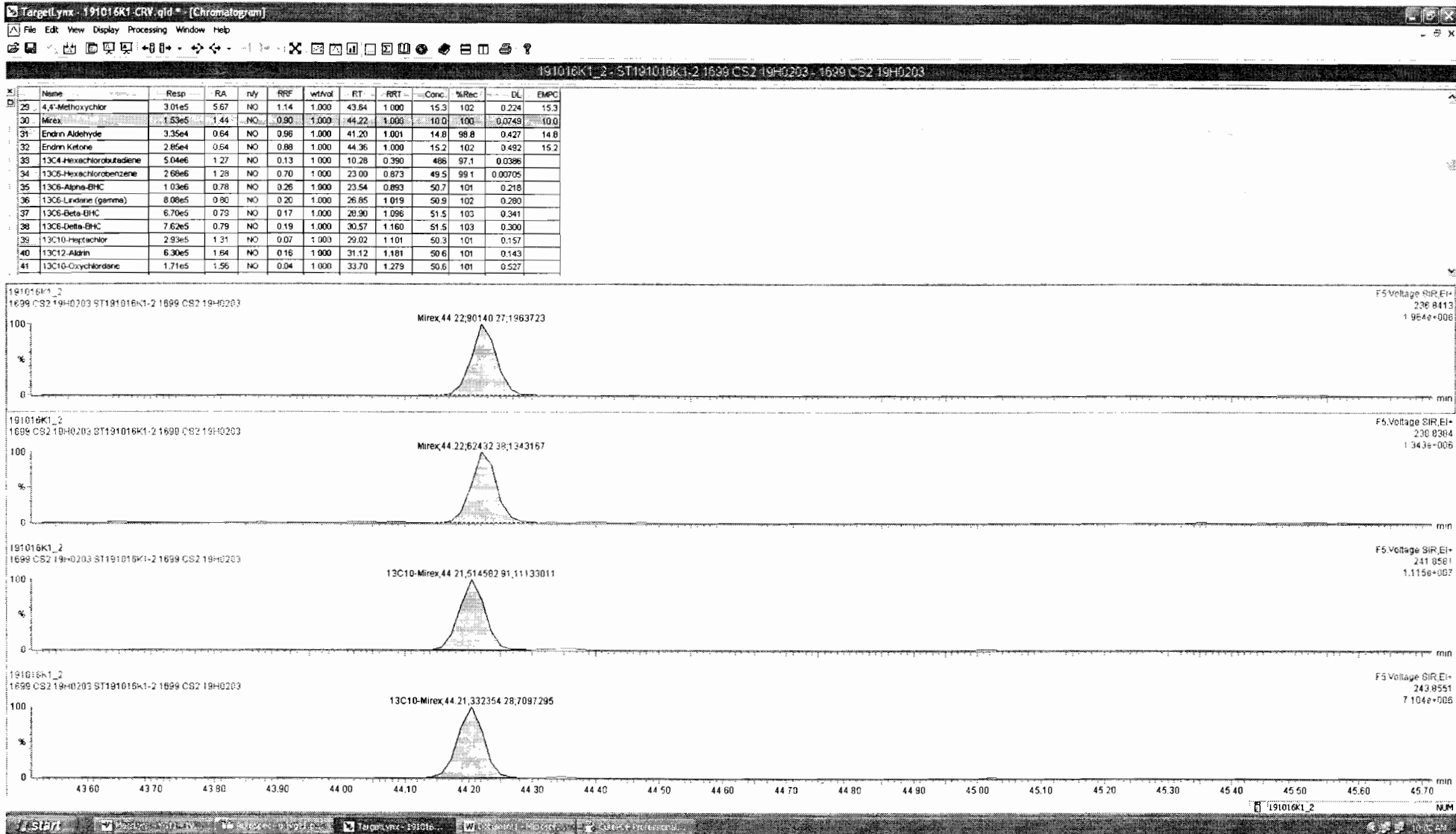
F5:Voltage SIR,EI+
241.8581
1.115e+007



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
243.8551
7.104e+006





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

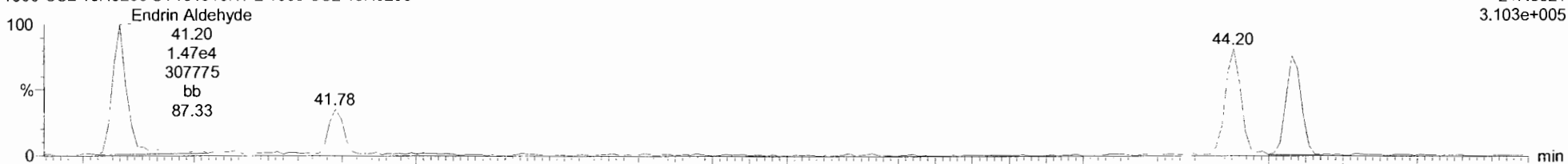
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

EA-EK

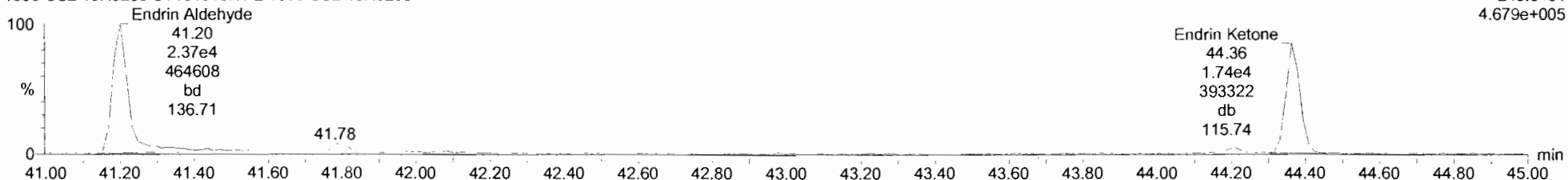
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
247.8521
3.103e+005



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

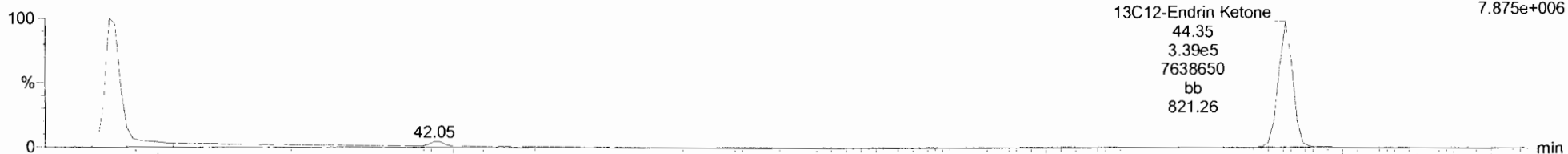
F5:Voltage SIR,EI+
249.8491
4.679e+005



EA-EK-isotopes

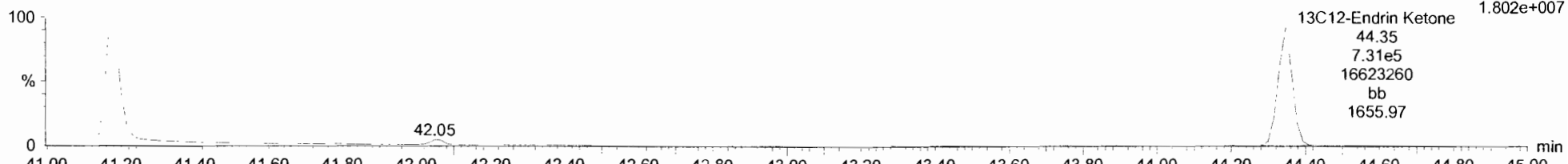
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
253.8722
7.875e+006



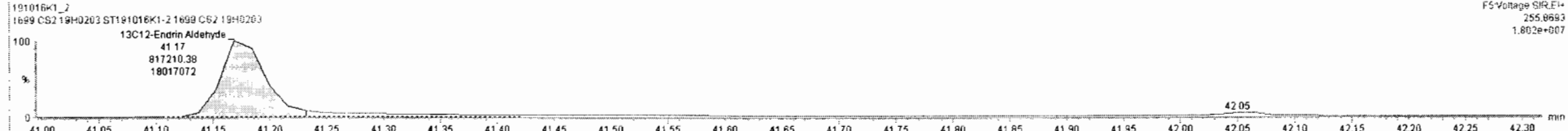
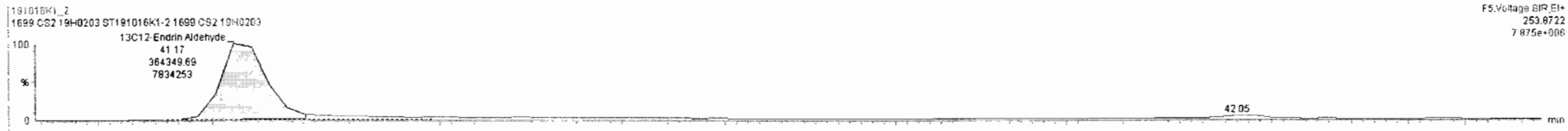
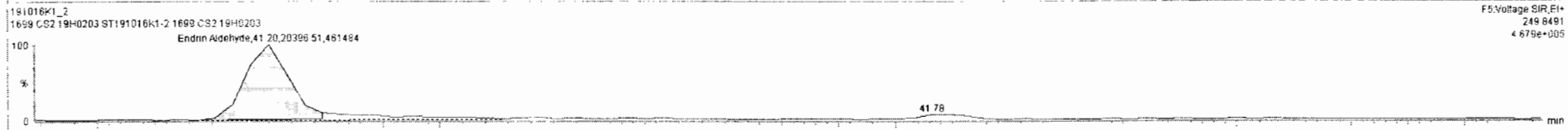
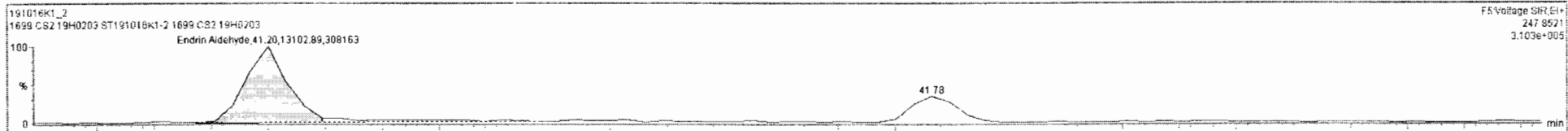
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
255.8693
1.802e+007



191016K1_2: ST191016K1-2 1699 CS2 19H0203 - 1699 CS2 19H0203

| Name | Resp | FA | nly | RRF | wt/wd | RT | RRT | Conc | %Rec | DL | EMPC |
|-----------------------------|--------|------|-----|------|-------|-------|-------|------|------|---------|------|
| 29 4,4'-Methoxychlor | 3.01e5 | 5.67 | NO | 1.14 | 1.000 | 43.64 | 1.000 | 15.3 | 102 | 0.224 | 15.3 |
| 30 Mirex | 1.53e5 | 1.44 | NO | 0.90 | 1.000 | 44.22 | 1.000 | 10.0 | 100 | 0.0749 | 10.0 |
| 31 Endrin Aldehyde | 3.35e4 | 0.64 | NO | 0.96 | 1.000 | 41.20 | 1.001 | 14.8 | 98.8 | 0.427 | 14.8 |
| 32 Endrin Ketone | 2.85e4 | 0.64 | NO | 0.88 | 1.000 | 44.36 | 1.000 | 15.2 | 102 | 0.492 | 15.2 |
| 33 13C4-Hexachlorobutadiene | 5.04e6 | 1.27 | NO | 0.13 | 1.000 | 10.28 | 0.390 | 486 | 97.1 | 0.0396 | |
| 34 13C6-Hexachlorobenzene | 2.68e6 | 1.28 | NO | 0.70 | 1.000 | 23.00 | 0.873 | 49.5 | 99.1 | 0.00705 | |
| 35 13C6-Alpha-BHC | 1.03e6 | 0.78 | NO | 0.26 | 1.000 | 23.54 | 0.893 | 50.7 | 101 | 0.218 | |
| 36 13C6-Lindane (gamma) | 8.09e5 | 0.80 | NO | 0.20 | 1.000 | 26.85 | 1.019 | 50.9 | 102 | 0.260 | |
| 37 13C6-Beta-BHC | 6.70e5 | 0.79 | NO | 0.17 | 1.000 | 28.90 | 1.096 | 51.5 | 103 | 0.341 | |
| 38 13C6-Delta-BHC | 7.62e5 | 0.79 | NO | 0.19 | 1.000 | 30.57 | 1.180 | 51.5 | 103 | 0.300 | |
| 39 13C10-Hentachlor | 2.93e5 | 1.31 | NO | 0.07 | 1.000 | 29.02 | 1.101 | 50.3 | 101 | 0.157 | |
| 40 13C12-Aldrin | 6.30e5 | 1.64 | NO | 0.16 | 1.000 | 31.12 | 1.181 | 50.6 | 101 | 0.143 | |
| 41 13C10-Oxychlorodene | 1.71e5 | 1.56 | NO | 0.04 | 1.000 | 33.70 | 1.279 | 50.6 | 101 | 0.527 | |



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

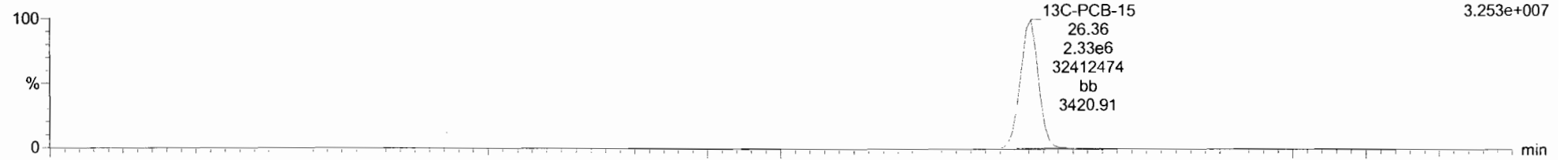
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

13C-PCB-15

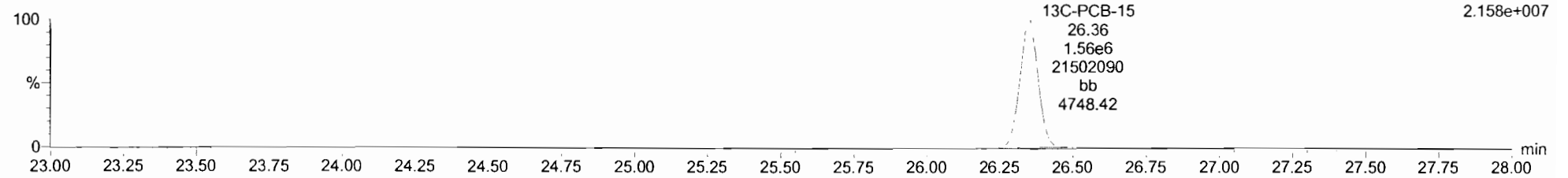
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
234.0406
3.253e+007



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

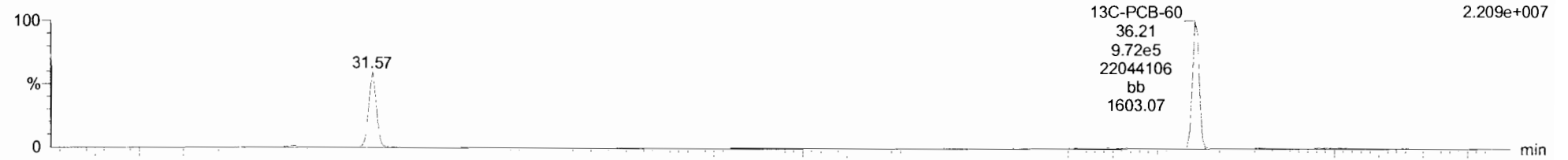
F2:Voltage SIR,EI+
236.0376
2.158e+007



13C-PCB-60

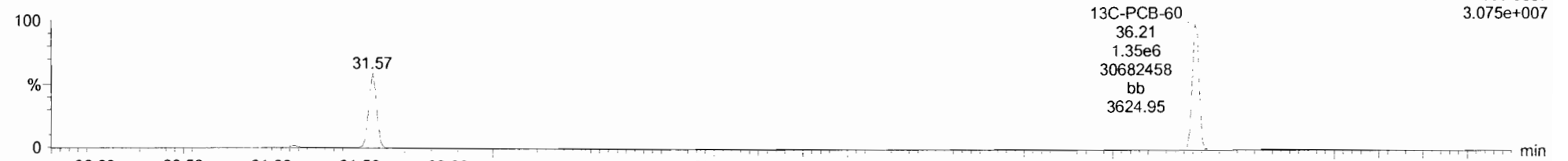
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
301.9626
2.209e+007



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
303.9597
3.075e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

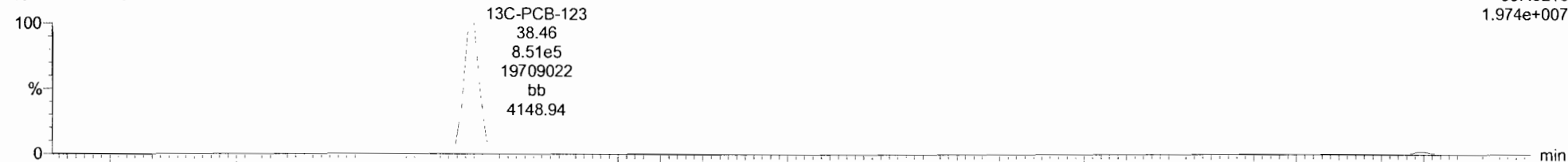
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

13C-PCB-123

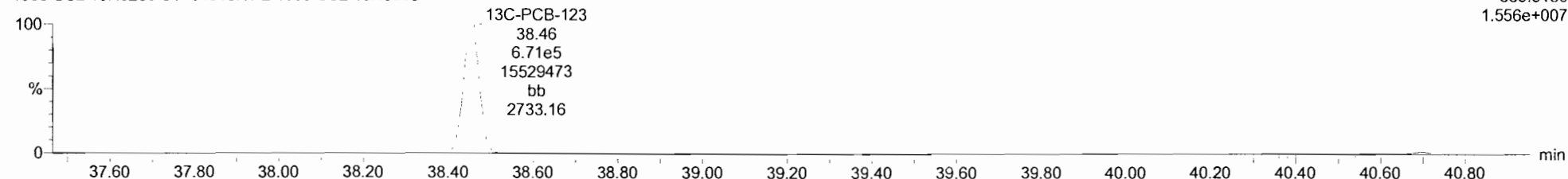
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
337.9210
1.974e+007



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

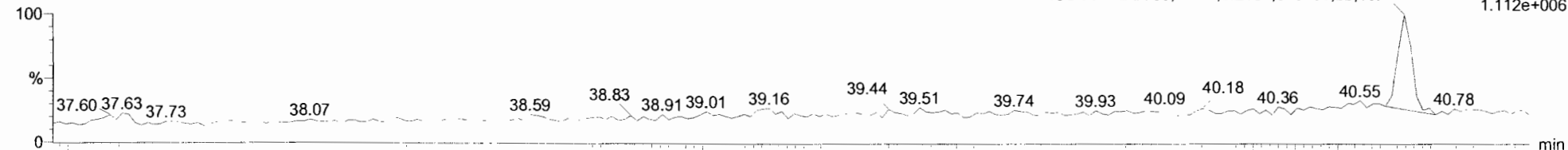
F4:Voltage SIR,EI+
339.9180
1.556e+007



13C-PARLAR 39

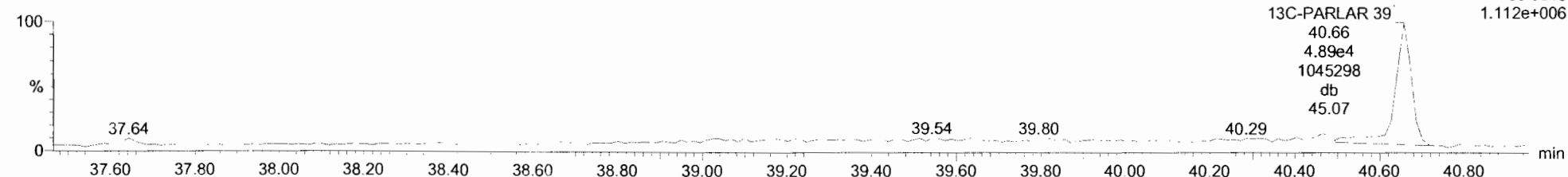
191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
251.9648
1.112e+006



191016K1_2
1699 CS2 19H0203 ST191016K1-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
253.9619
1.112e+006



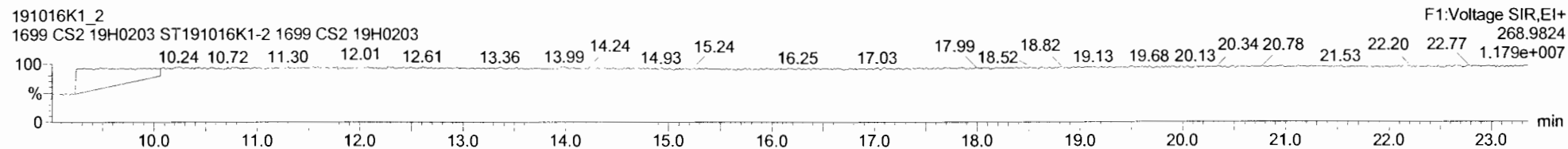
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

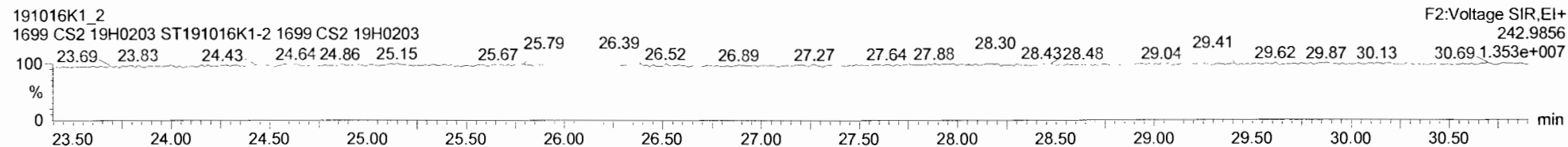
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_2, Date: 16-Oct-2019, Time: 16:21:07, ID: ST191016K1-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

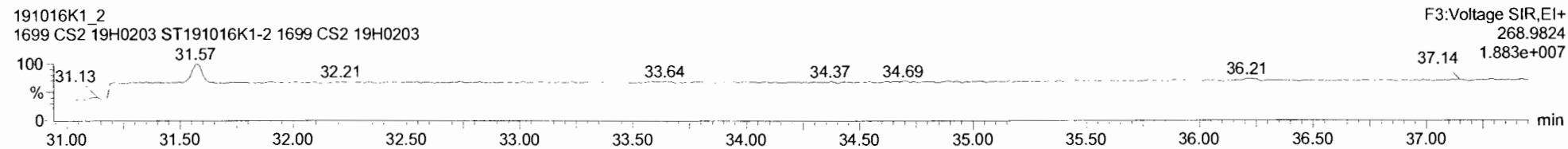
PFK1



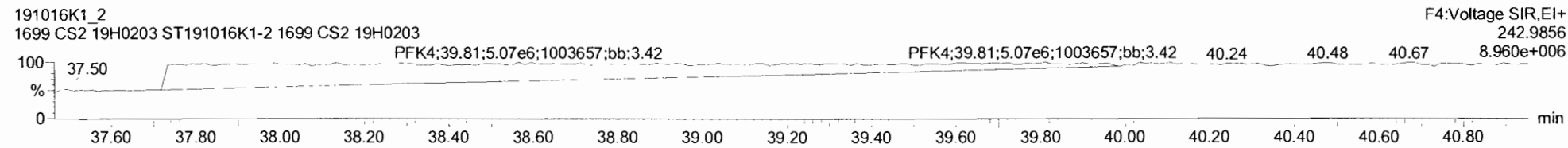
PFK2



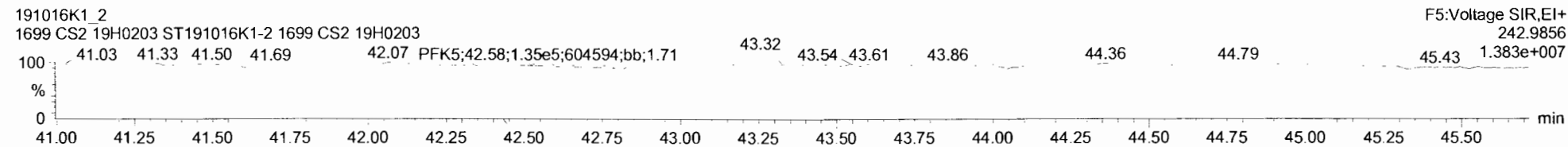
PFK3



PFK4



PFK5



Dataset: Untitled

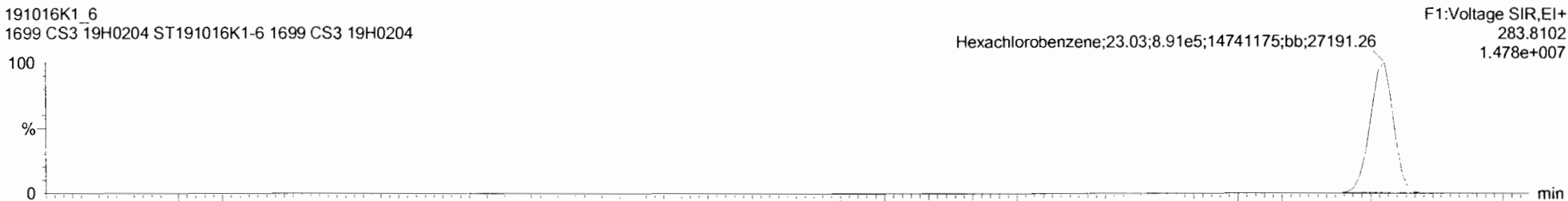
Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

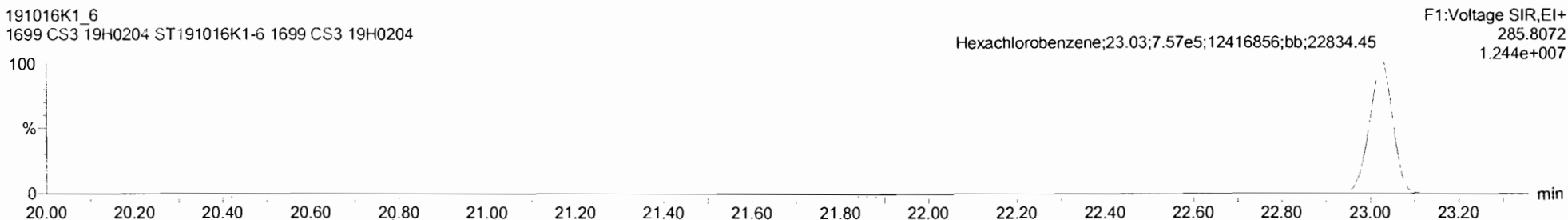
Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Hexachlorobenzene

191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

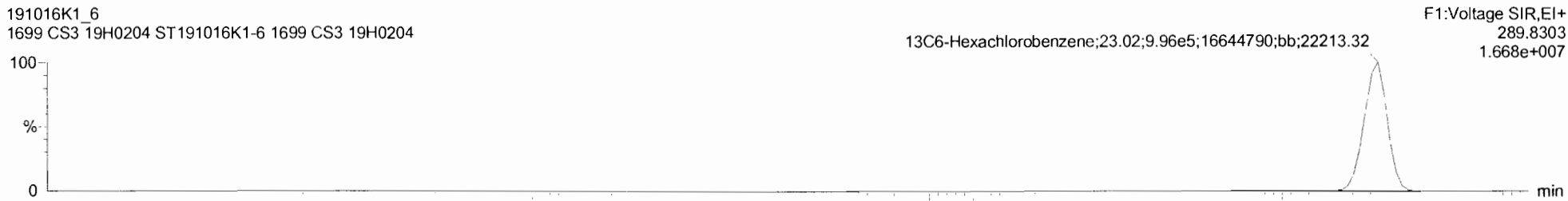


191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

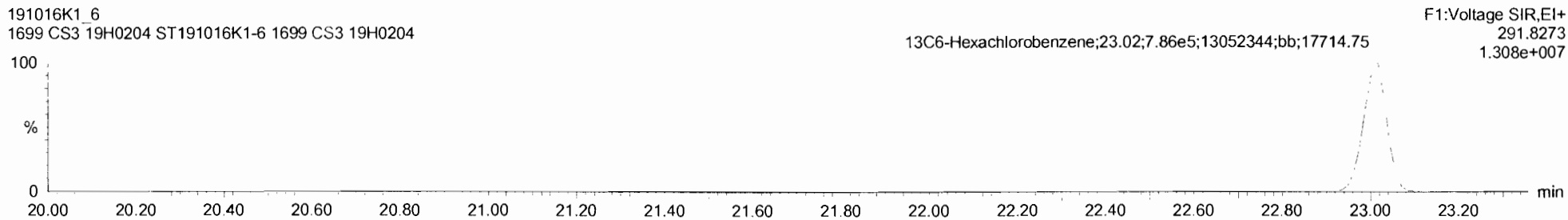


13C6-Hexachlorobenzene

191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204



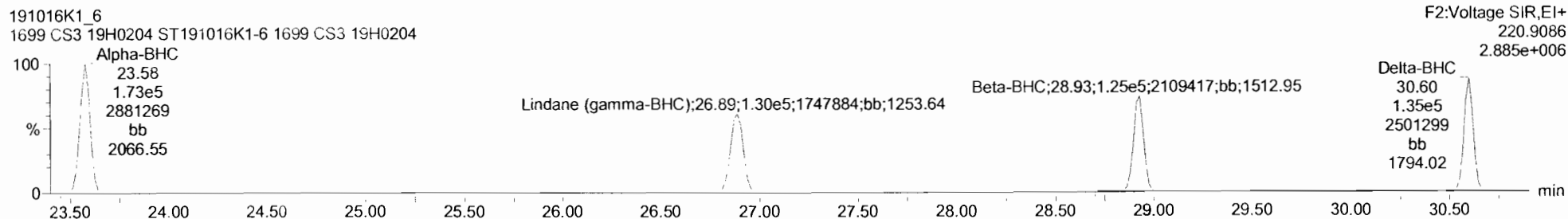
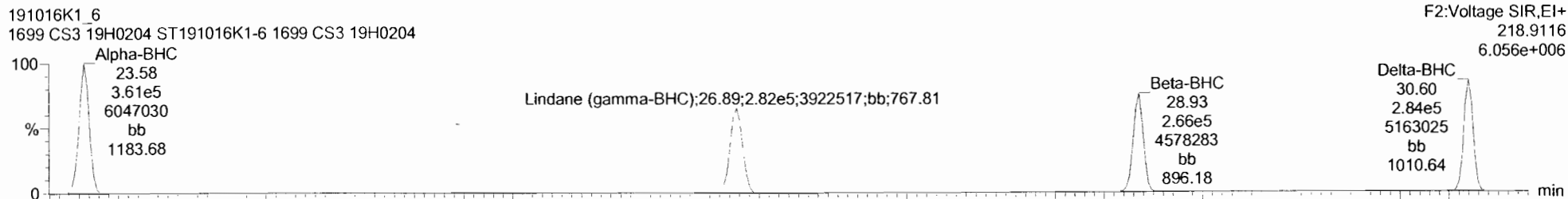
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

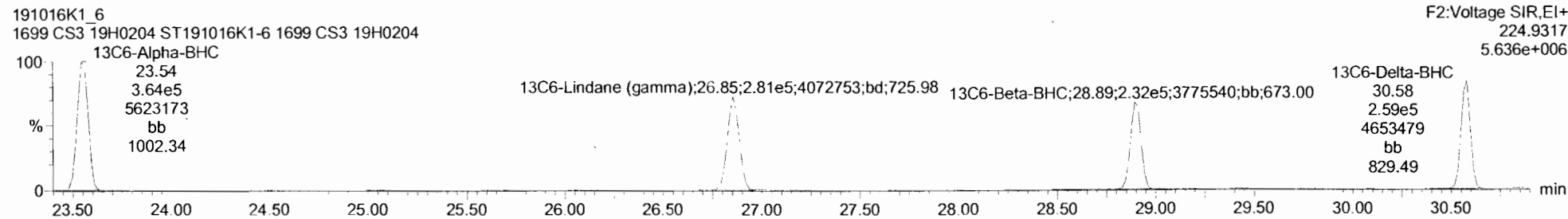
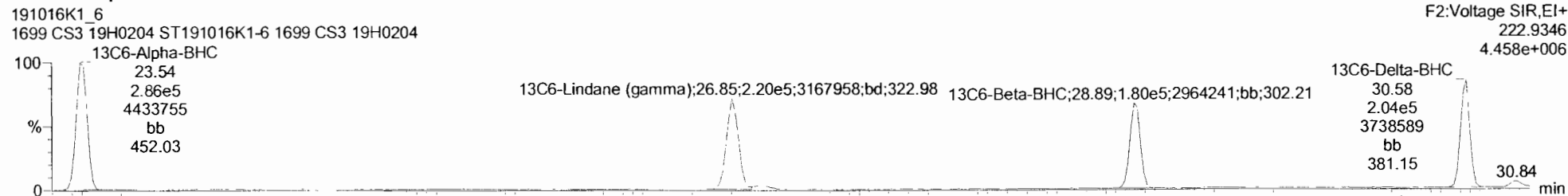
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

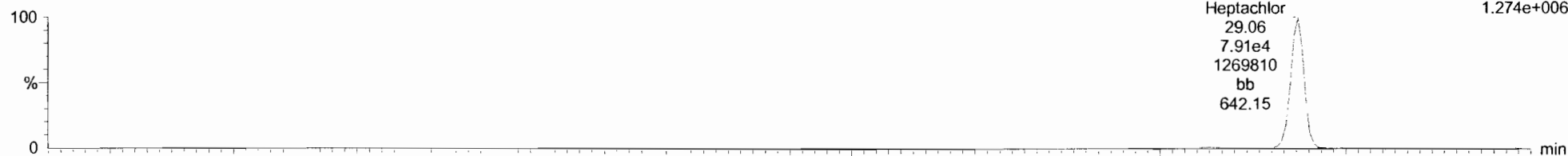
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Heptachlor

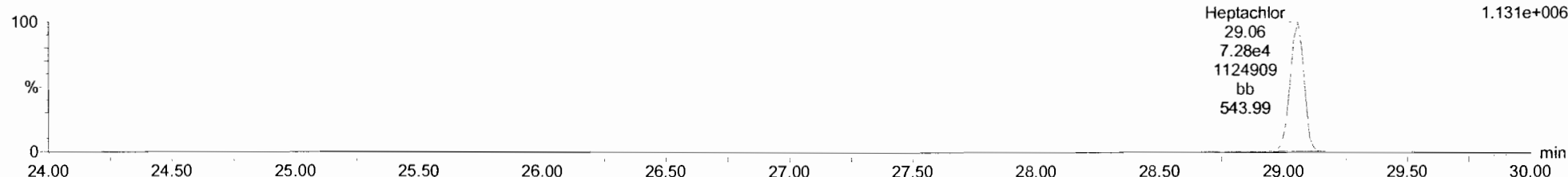
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F2:Voltage SIR,EI+
271.8102
1.274e+006



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

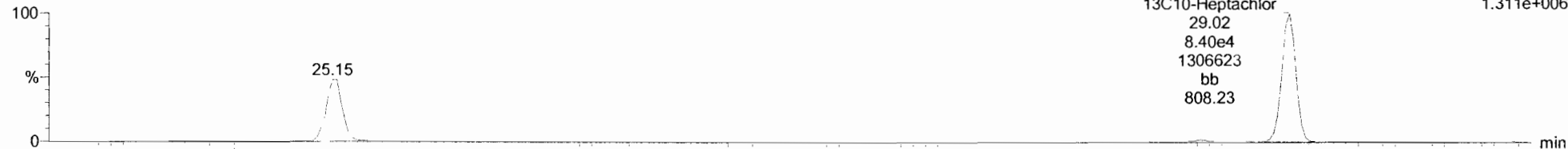
F2:Voltage SIR,EI+
273.8072
1.131e+006



13C10-Heptachlor

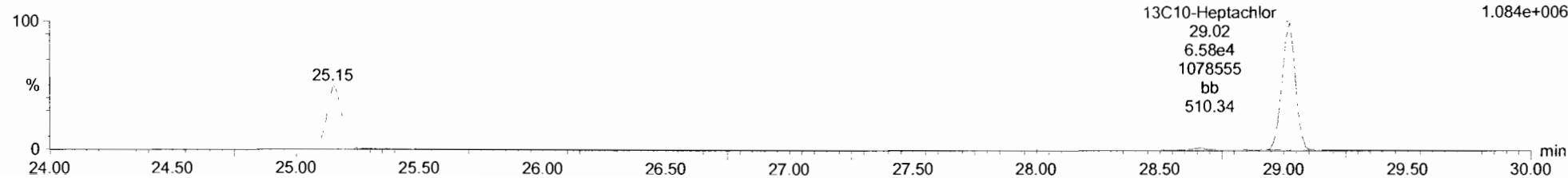
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F2:Voltage SIR,EI+
276.8269
1.311e+006



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F2:Voltage SIR,EI+
278.8240
1.084e+006



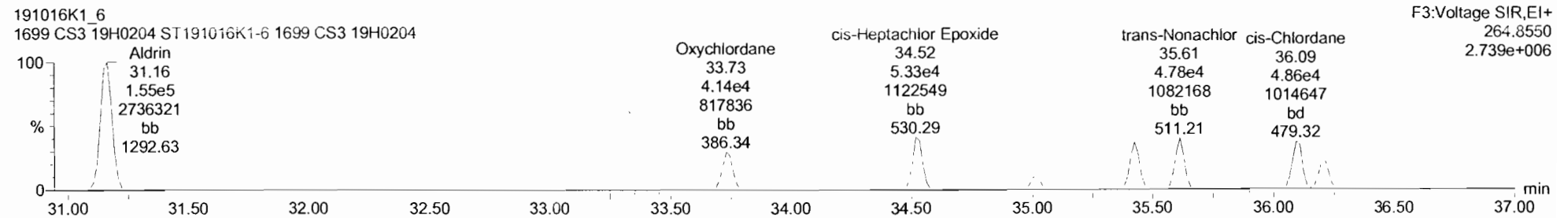
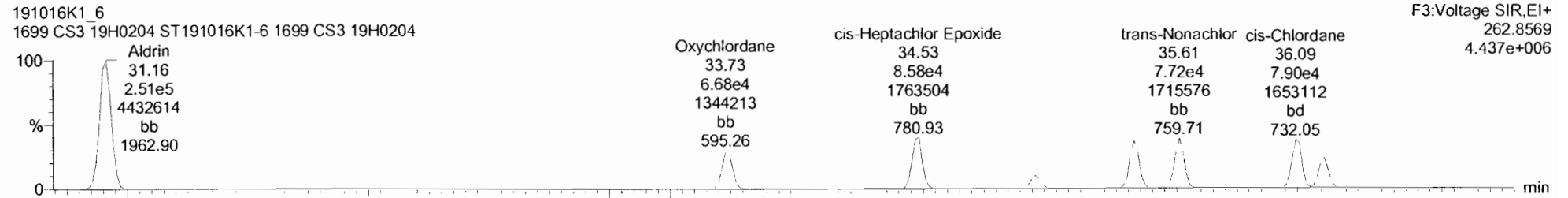
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

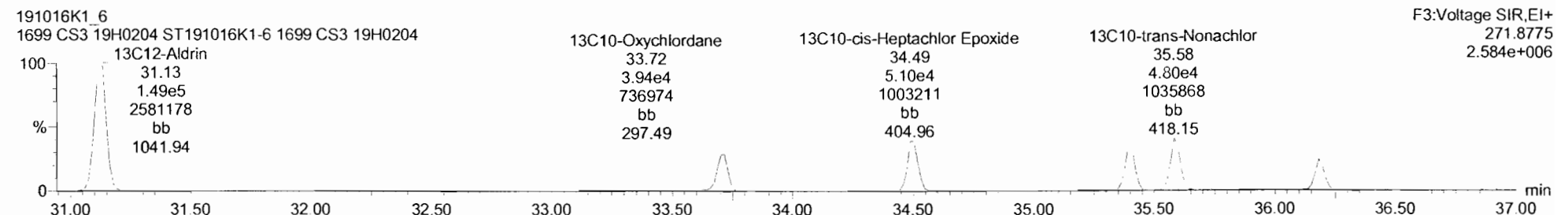
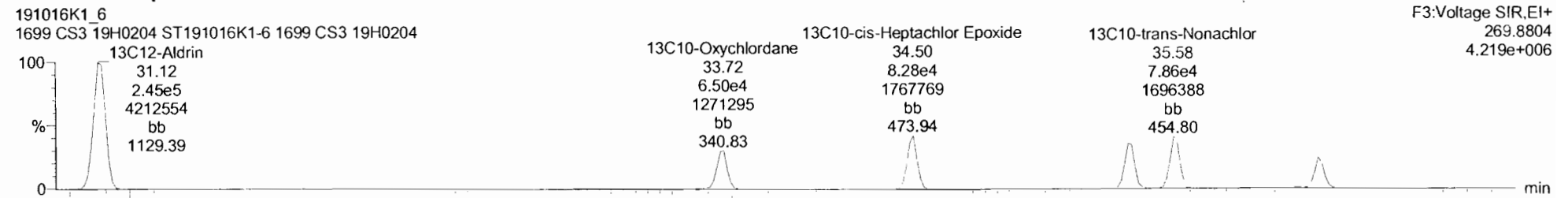
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

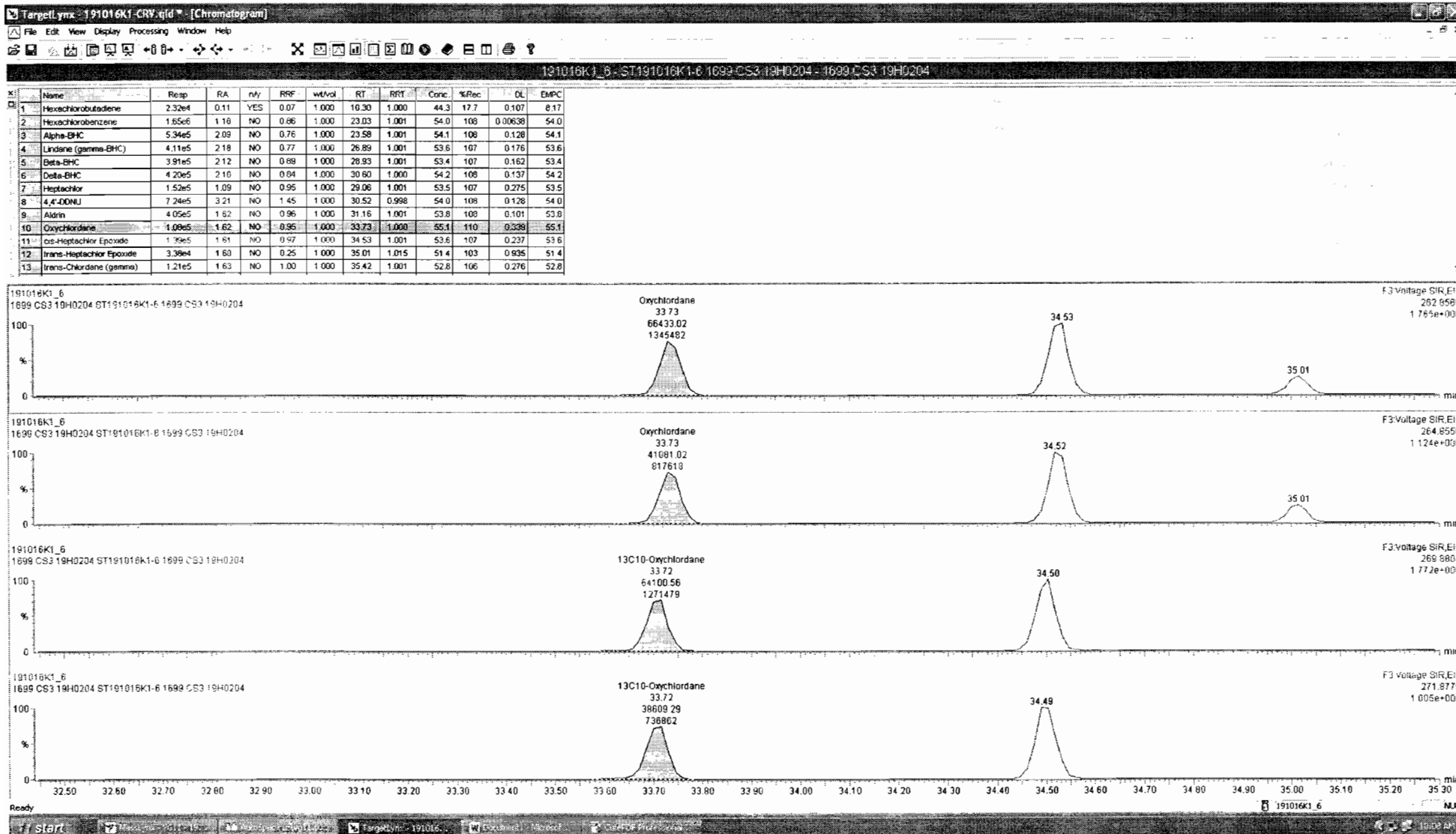
Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Aldrin-EI



Aldrin-EI-isotopes





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

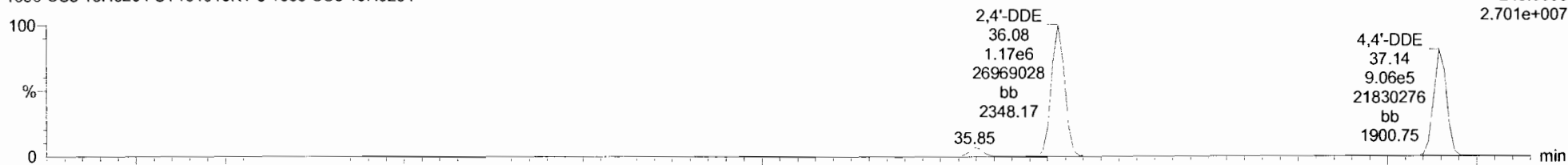
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDMU-DDE

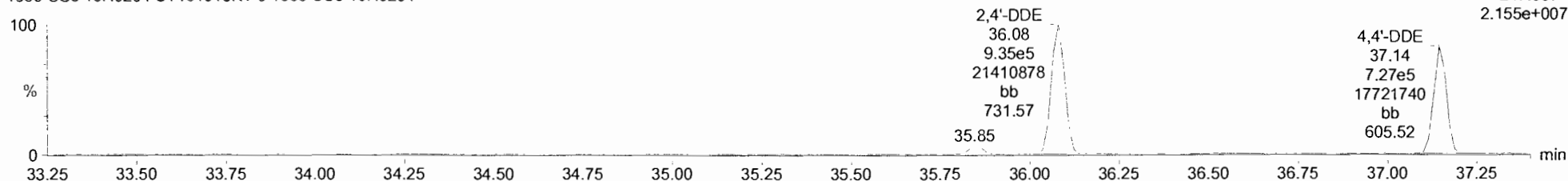
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F3:Voltage SIR,EI+
246.0003
2.701e+007



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

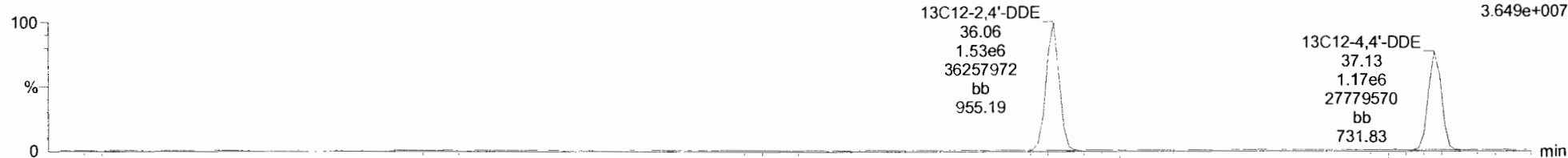
F3:Voltage SIR,EI+
247.9974
2.155e+007



DDE-isotopes

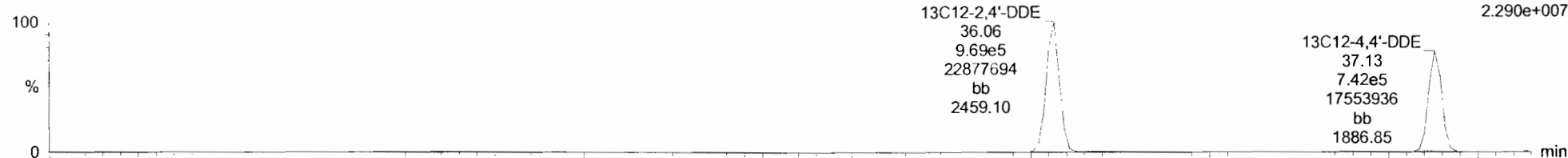
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F3:Voltage SIR,EI+
258.0406
3.649e+007



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F3:Voltage SIR,EI+
260.0376
2.290e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

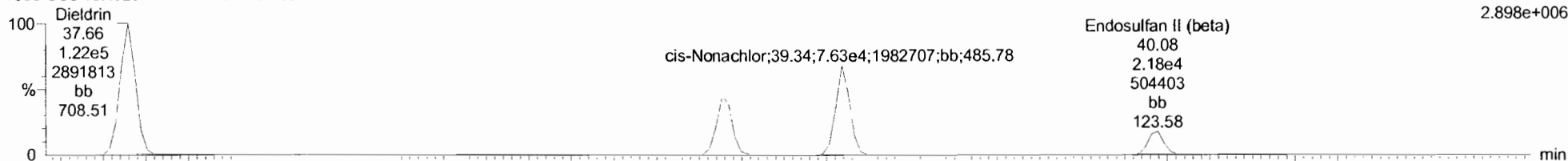
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Dieldrin-EII

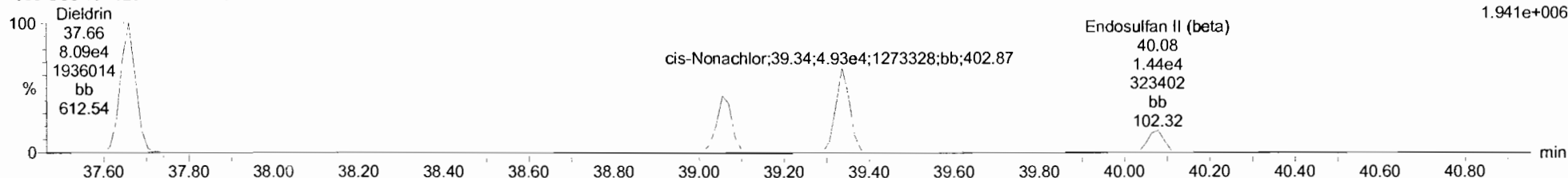
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F4:Voltage SIR,EI+
262.8569
2.898e+006



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

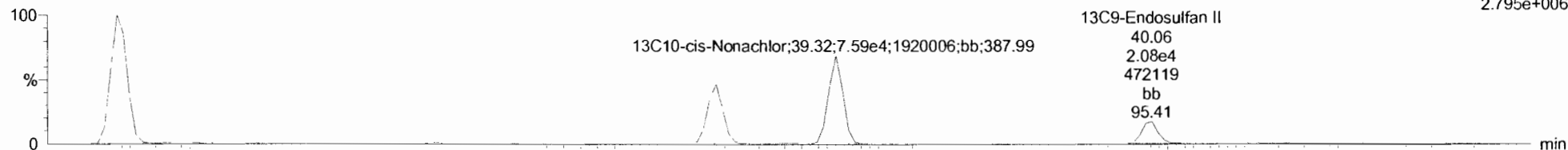
F4:Voltage SIR,EI+
264.8550
1.941e+006



Dieldrin-EII-isotopes

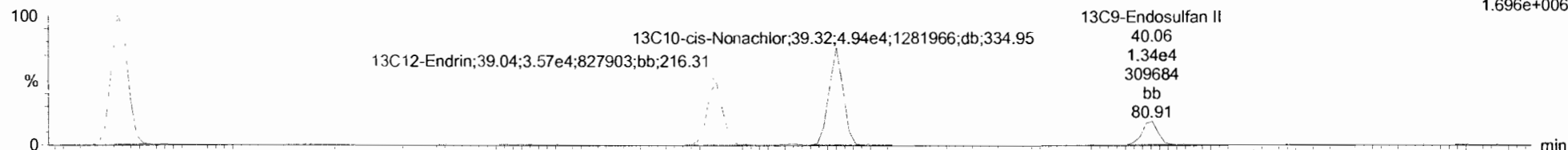
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

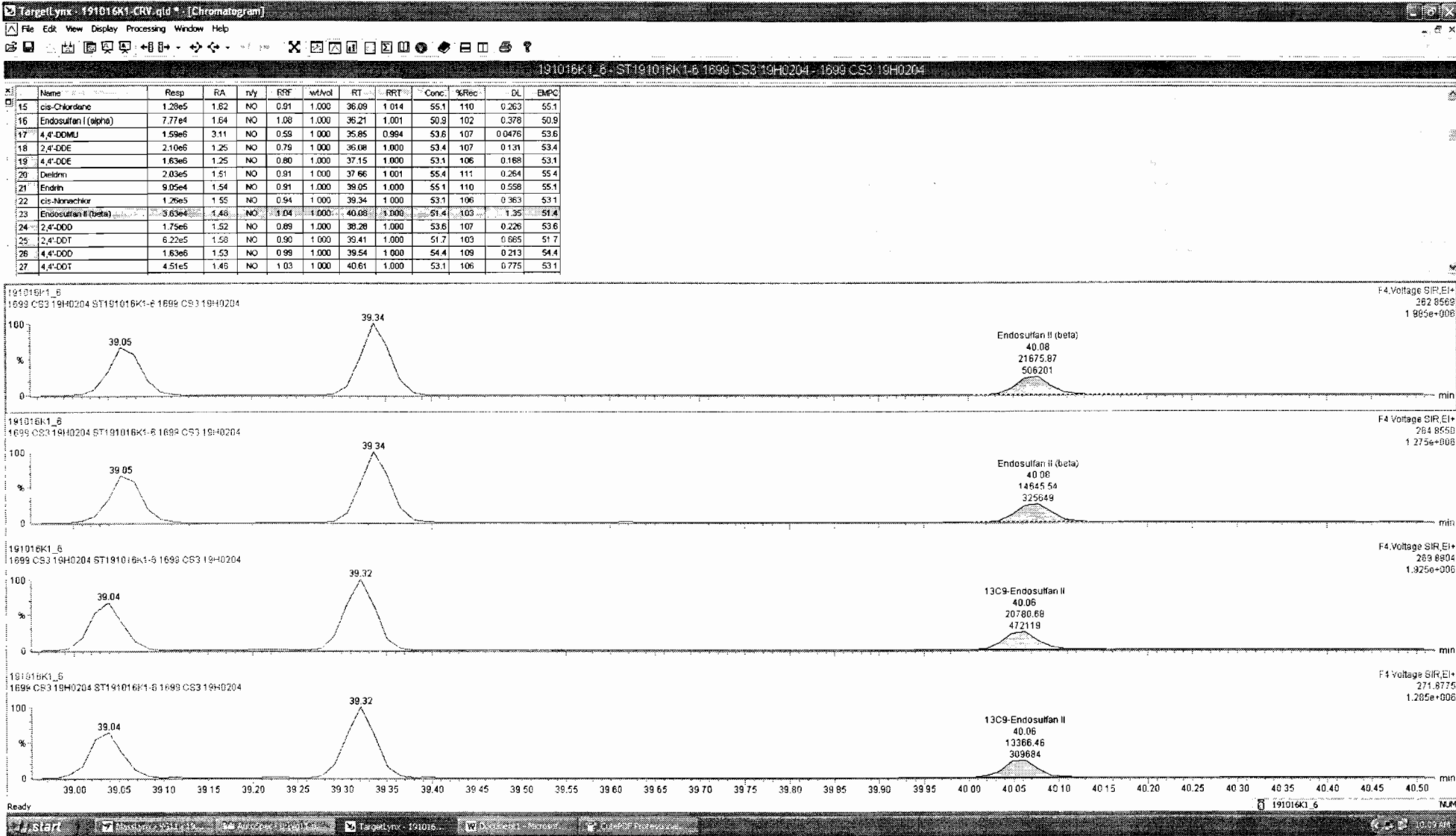
F4:Voltage SIR,EI+
269.8804
2.795e+006



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F4:Voltage SIR,EI+
271.8775
1.696e+006





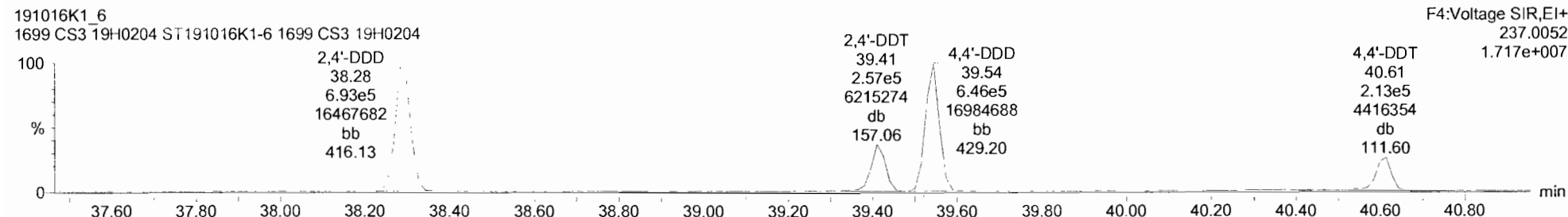
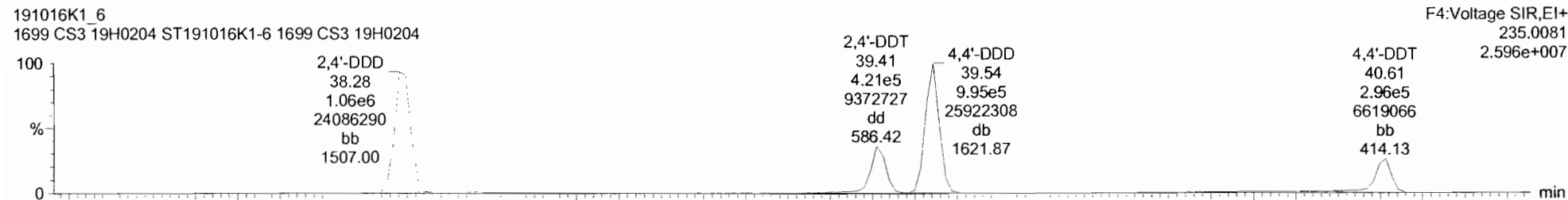
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

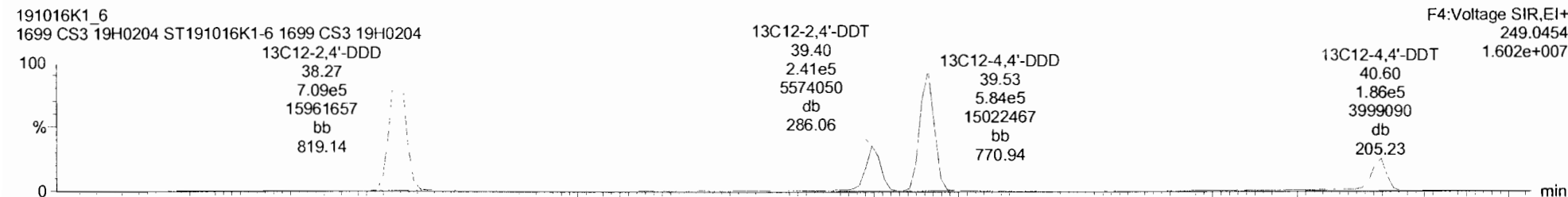
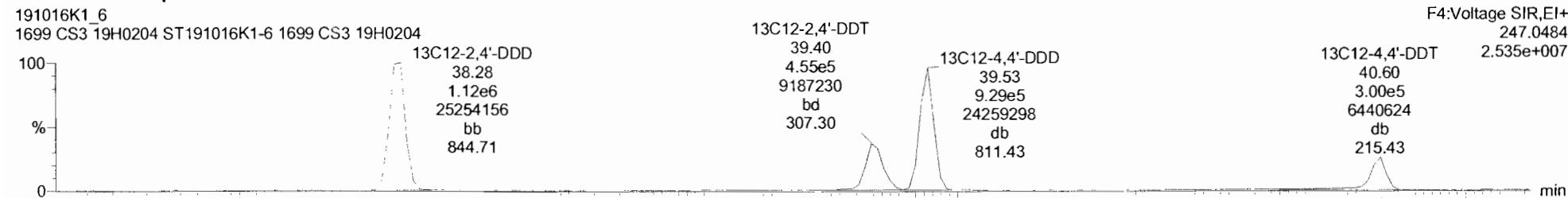
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

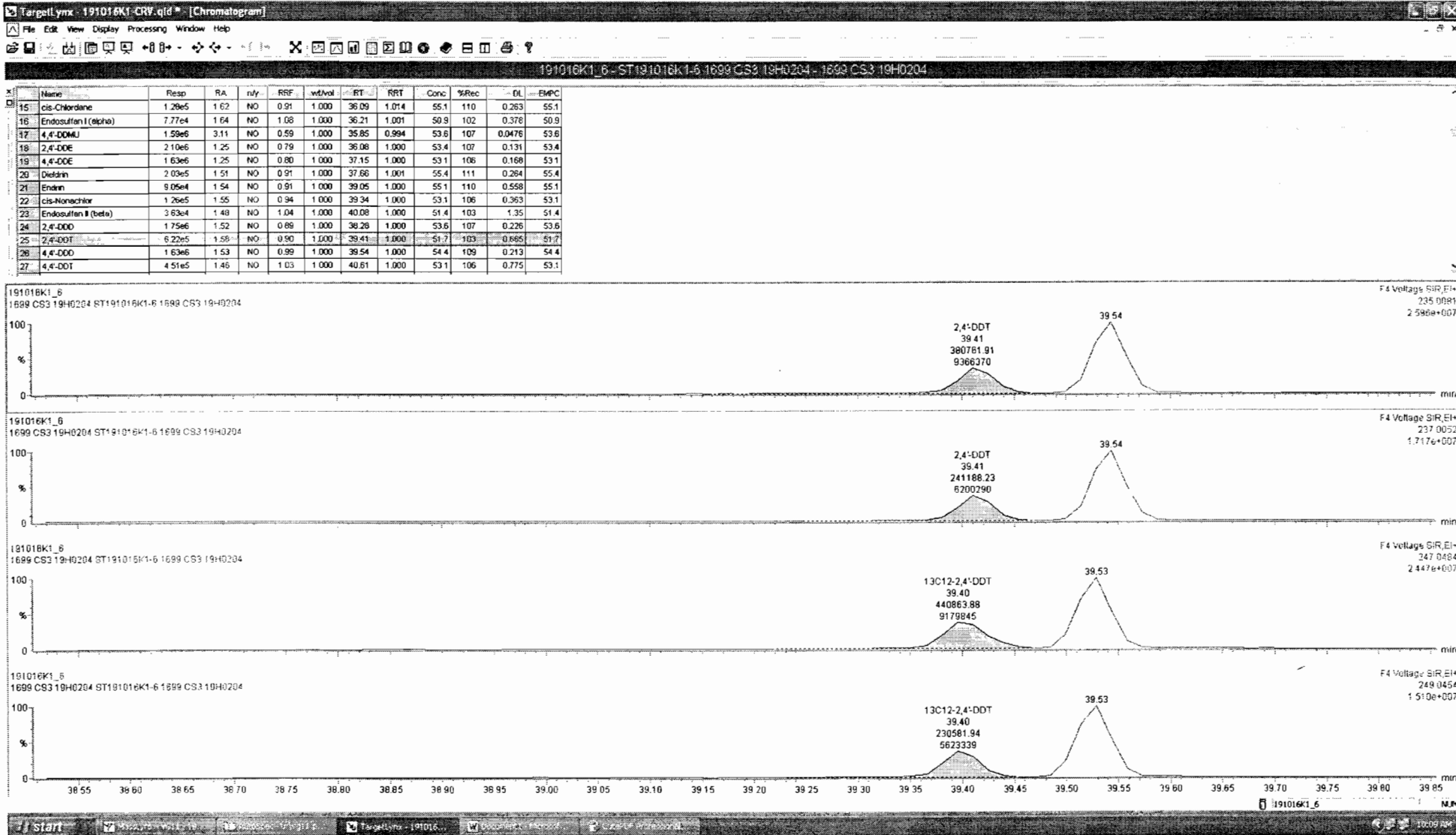
Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

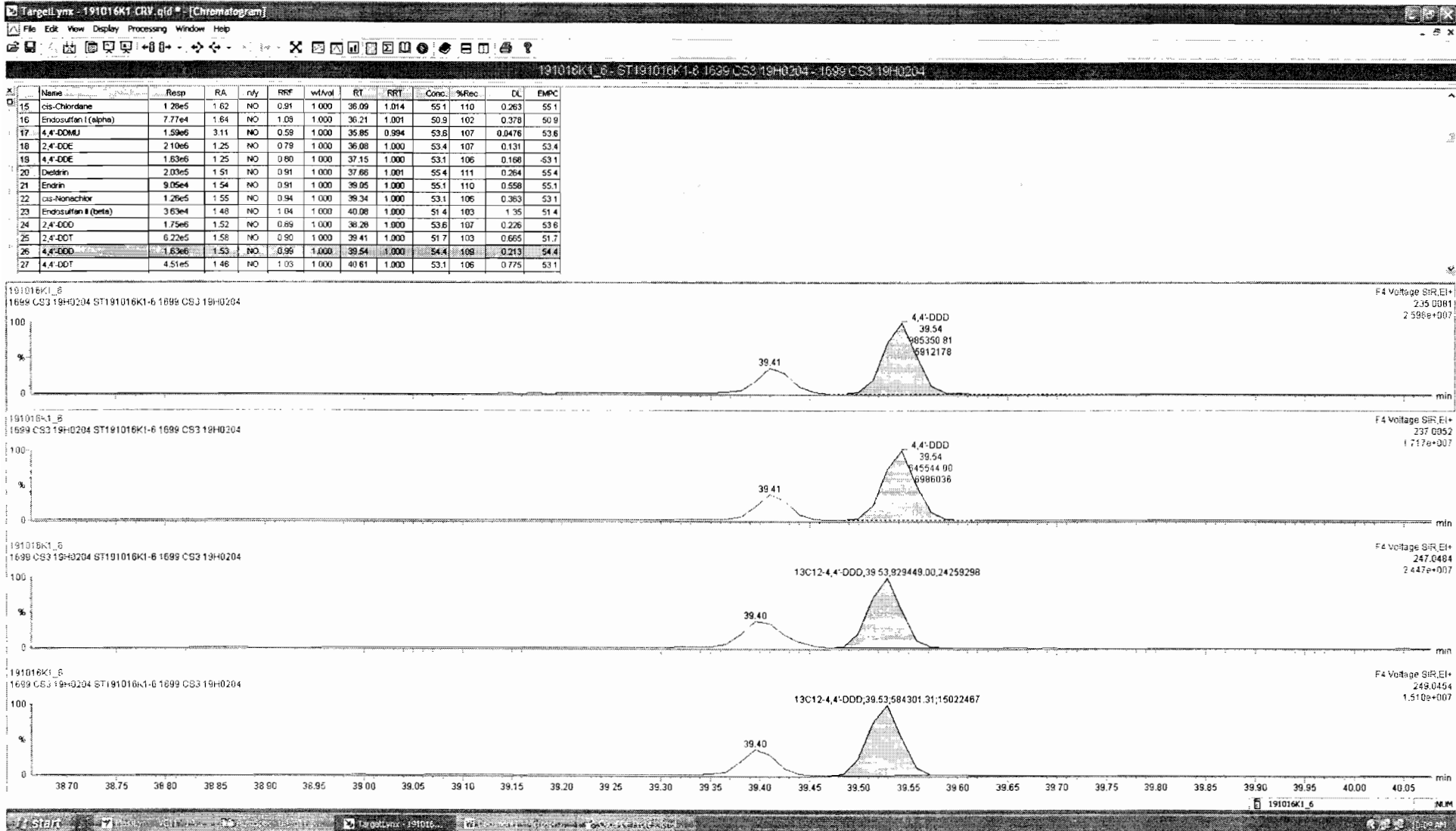
DDD-DDT

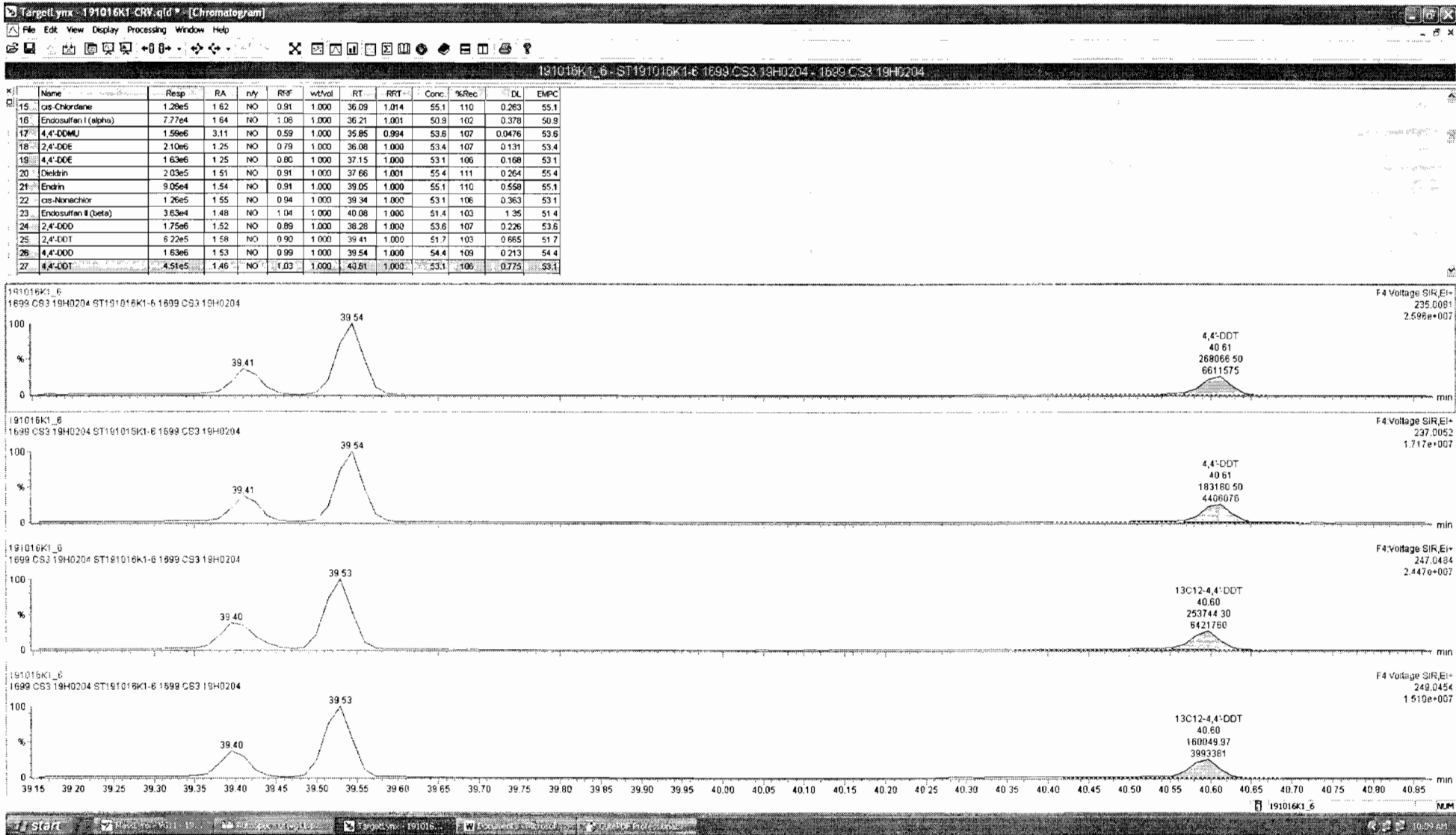


DDD-DDT-isotopes









Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

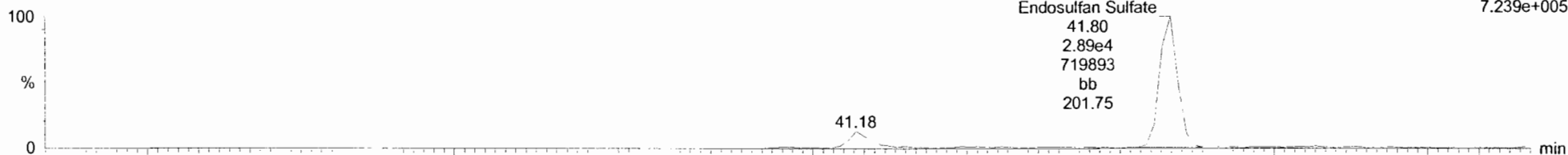
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Endosulfan Sulfate

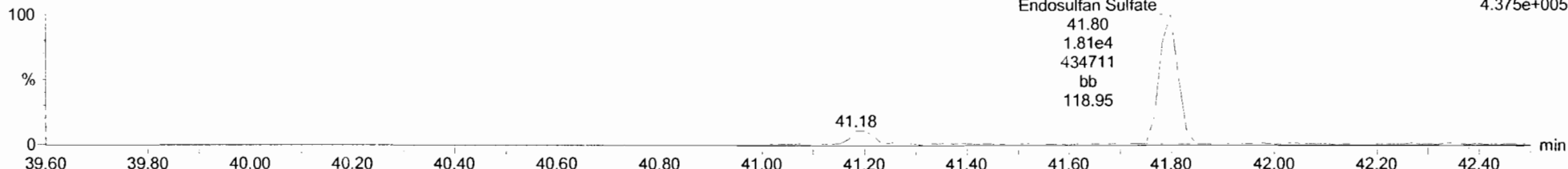
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
262.8569
7.239e+005



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

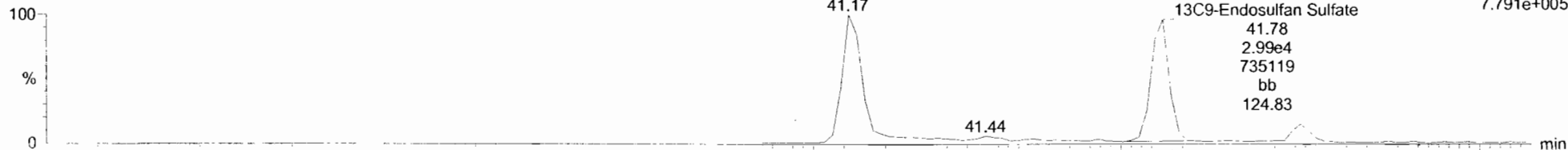
F5:Voltage SIR,EI+
264.8540
4.375e+005



13C9-Endosulfan Sulfate

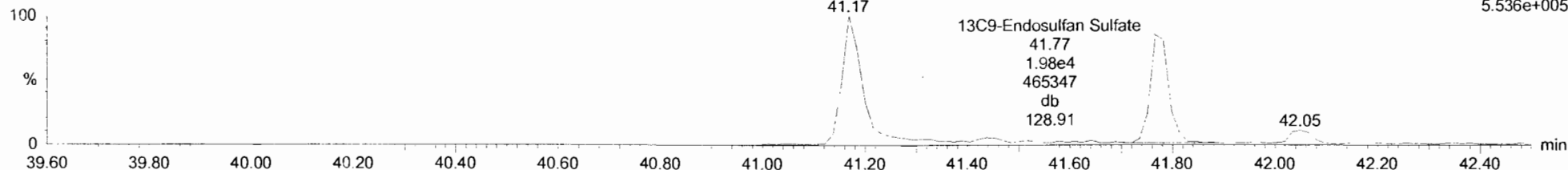
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

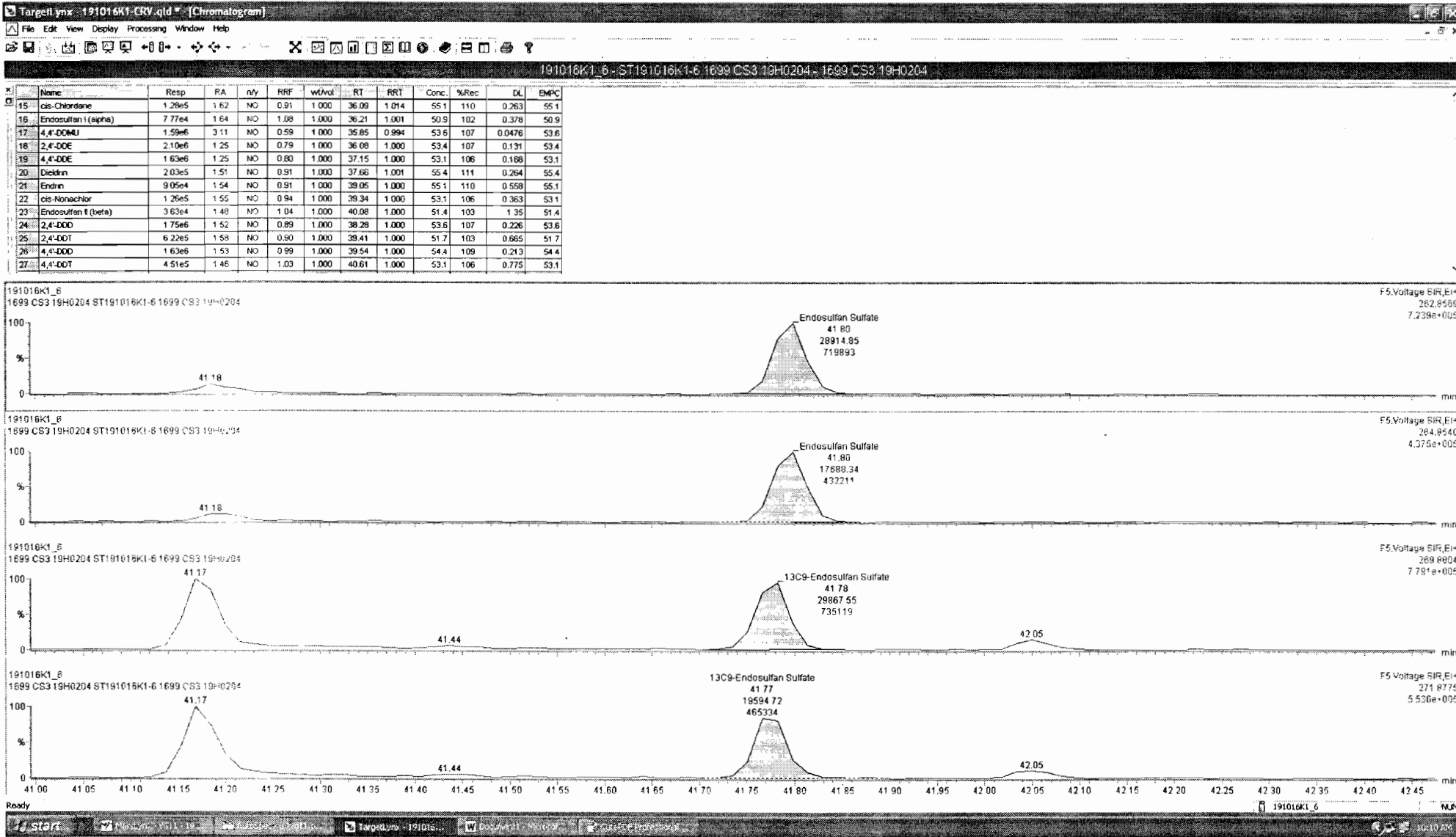
F5:Voltage SIR,EI+
269.8804
7.791e+005



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
271.8775
5.536e+005





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

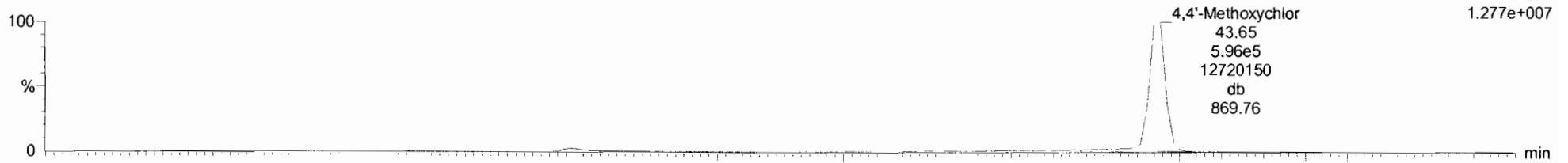
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

4,4'-Methoxychlor

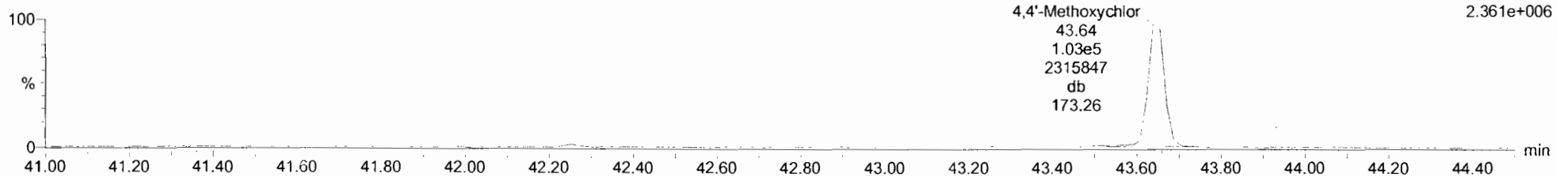
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
227.1072
1.277e+007



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

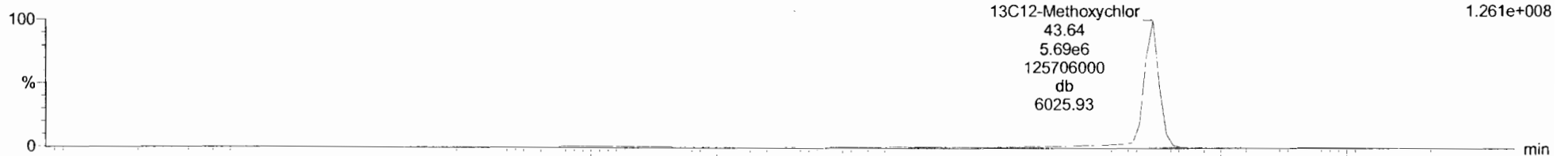
F5:Voltage SIR,EI+
228.1106
2.361e+006



13C12-Methoxychlor

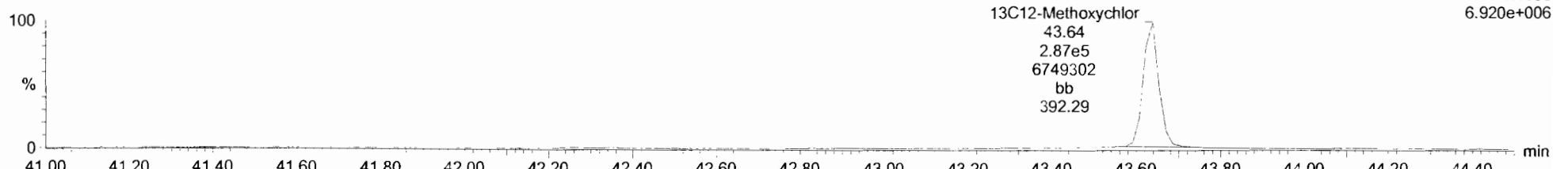
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
239.1475
1.261e+008

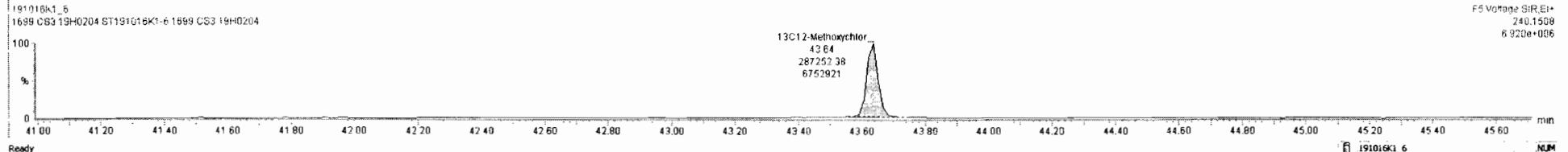
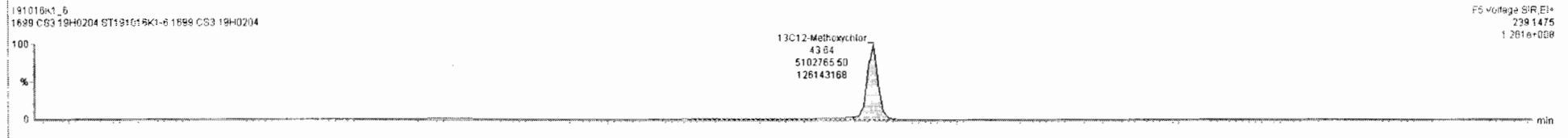
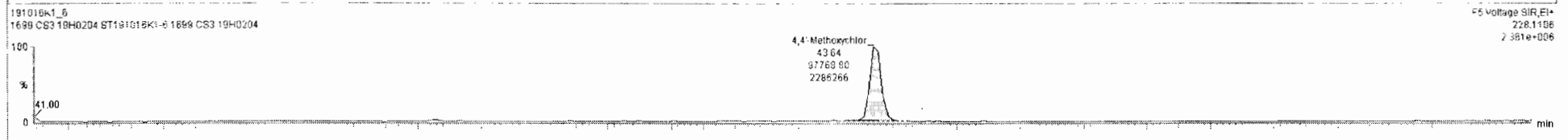
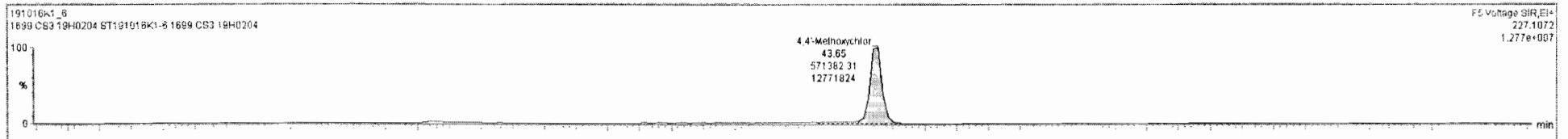


191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
240.1508
6.920e+006



| Name | Resp | RA | n/y | RF | wtVol | RT | RRT | Conc. | %Rec | DL | EMPC |
|-----------------------------|--------|------|-----|------|-------|-------|-------|-------|------|---------|------|
| 29 4,4'-Methoxychlor | 8.89e5 | 5.84 | NO | 1.14 | 1.000 | 43.65 | 1.000 | 54.5 | 108 | 0.277 | 54.8 |
| 30 Mirex | 5.53e5 | 1.47 | NO | 0.90 | 1.000 | 44.22 | 1.000 | 54.1 | 108 | 0.144 | 54.1 |
| 31 Endrin Aldehyde | 7.91e4 | 0.59 | NO | 0.96 | 1.000 | 41.20 | 1.000 | 53.0 | 106 | 0.828 | 53.0 |
| 32 Endrin Ketone | 5.86e4 | 0.64 | NO | 0.88 | 1.000 | 44.38 | 1.001 | 52.1 | 104 | 1.13 | 52.1 |
| 33 13C4-Hexachlorobutadiene | 3.94e6 | 1.26 | NO | 0.13 | 1.000 | 10.30 | 0.391 | 585 | 117 | 0.0488 | |
| 34 13C6-Hexachlorobenzene | 1.78e6 | 1.27 | NO | 0.70 | 1.000 | 23.02 | 0.873 | 50.8 | 102 | 0.00942 | |
| 35 13C6-Alpha-BHC | 6.51e5 | 0.79 | NO | 0.26 | 1.000 | 23.54 | 0.893 | 49.4 | 98.8 | 0.260 | |
| 36 13C6-Lindane (gamma) | 5.01e5 | 0.78 | NO | 0.20 | 1.000 | 26.85 | 1.019 | 48.7 | 97.4 | 0.333 | |
| 37 13C6-Beta-BHC | 4.12e5 | 0.78 | NO | 0.17 | 1.000 | 28.90 | 1.096 | 48.9 | 97.7 | 0.406 | |
| 38 13C6-Delta-BHC | 4.62e5 | 0.79 | NO | 0.19 | 1.000 | 30.58 | 1.160 | 48.2 | 96.5 | 0.358 | |
| 39 13C10-Heptachlor | 1.50e5 | 1.28 | NO | 0.07 | 1.000 | 29.02 | 1.101 | 39.7 | 79.3 | 0.220 | |
| 40 13C12-Aldrin | 3.93e5 | 1.64 | NO | 0.16 | 1.000 | 31.12 | 1.181 | 48.8 | 97.6 | 0.171 | |
| 41 13C10-Oxychlorane | 1.93e5 | 1.66 | NO | 0.04 | 1.000 | 33.72 | 1.279 | 46.9 | 93.8 | 0.630 | |



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

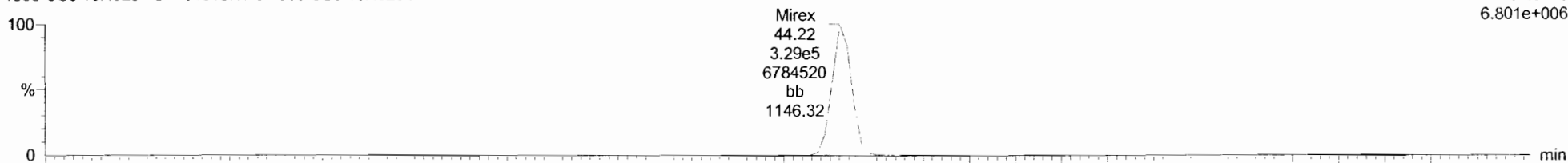
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Mirex

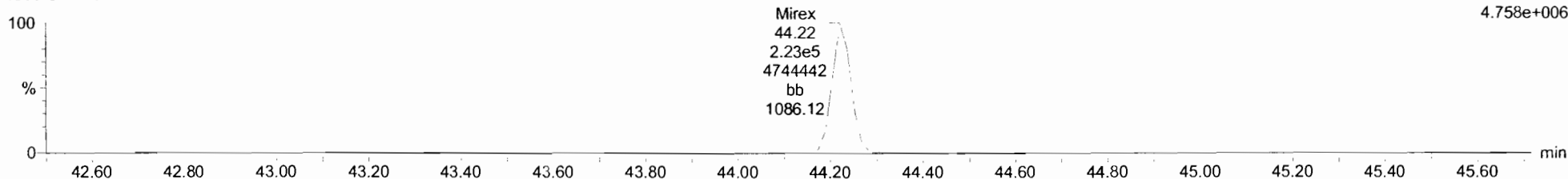
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
236.8413
6.801e+006



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

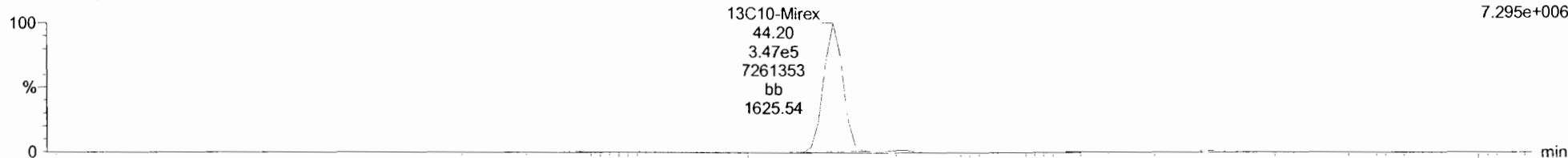
F5:Voltage SIR,EI+
238.8384
4.758e+006



13C10-Mirex

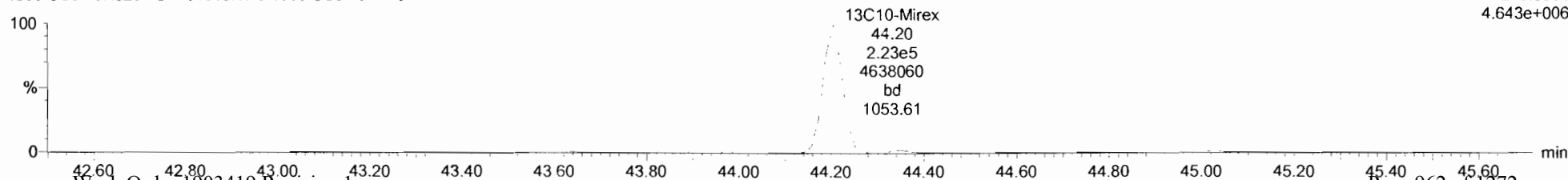
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
241.8581
7.295e+006



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
243.8551
4.643e+006



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

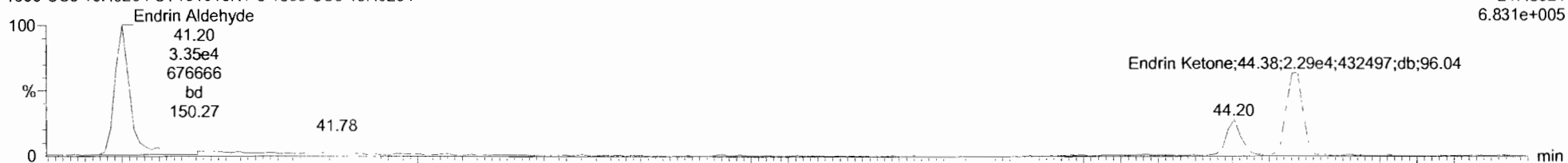
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

EA-EK

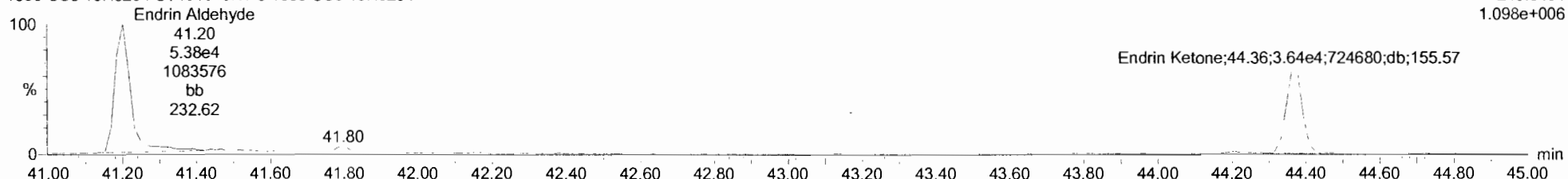
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
247.8521
6.831e+005



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

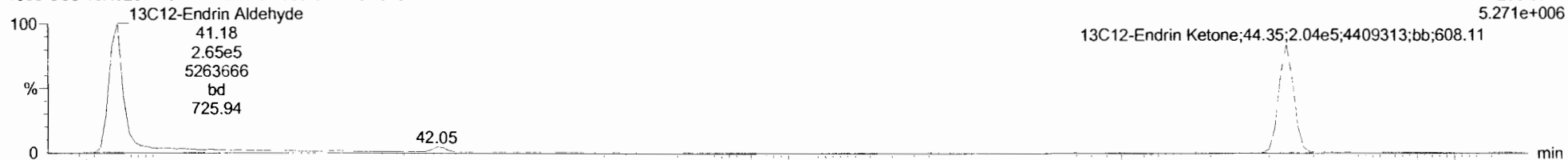
F5:Voltage SIR,EI+
249.8491
1.098e+006



EA-EK-isotopes

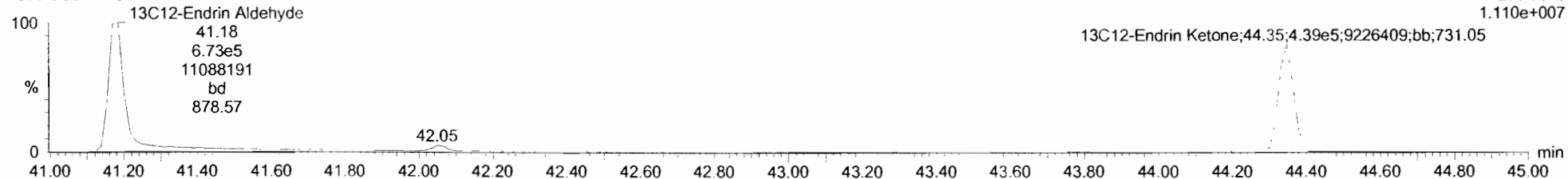
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

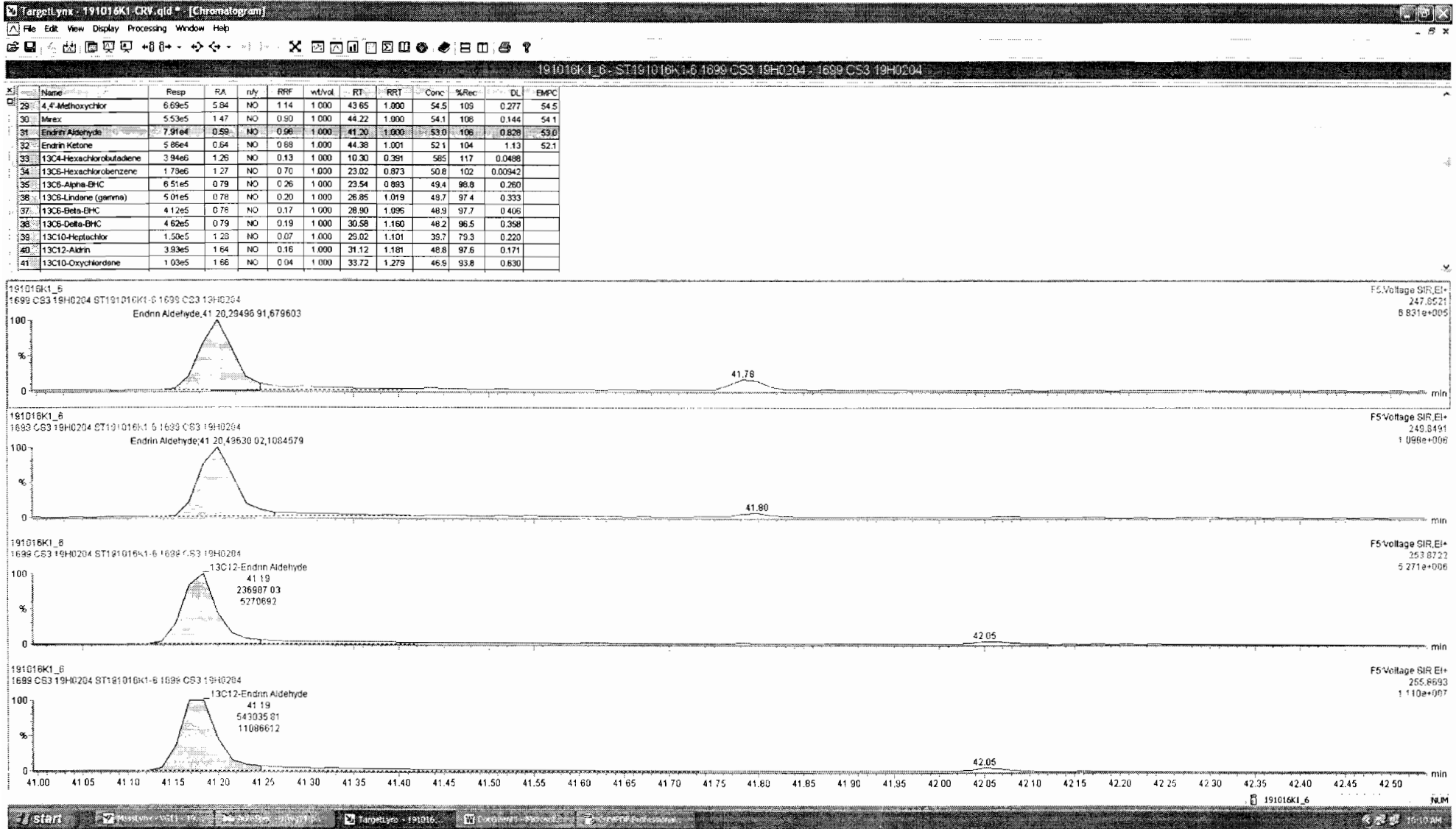
F5:Voltage SIR,EI+
253.8722
5.271e+006

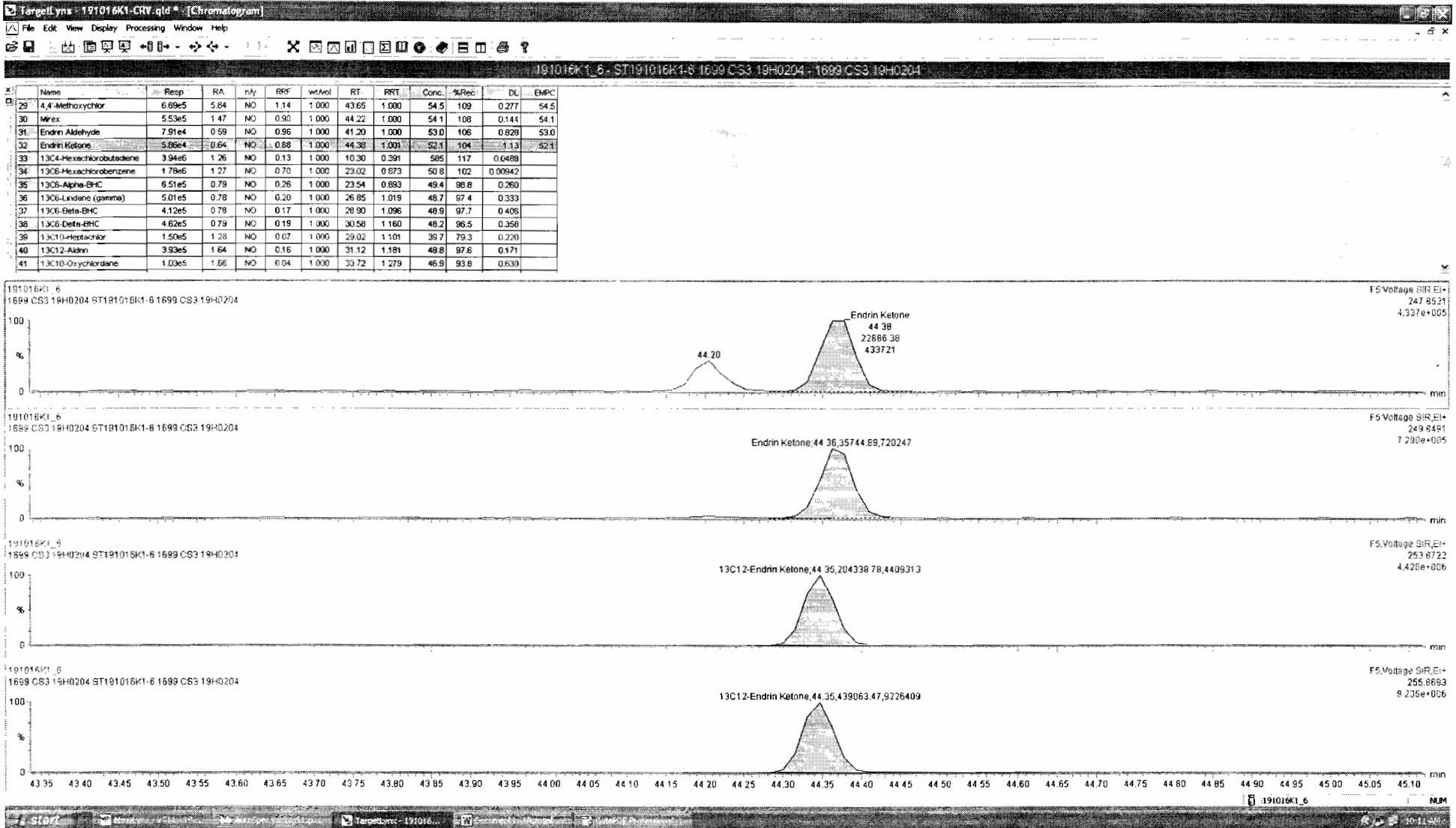


191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F5:Voltage SIR,EI+
255.8693
1.110e+007







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

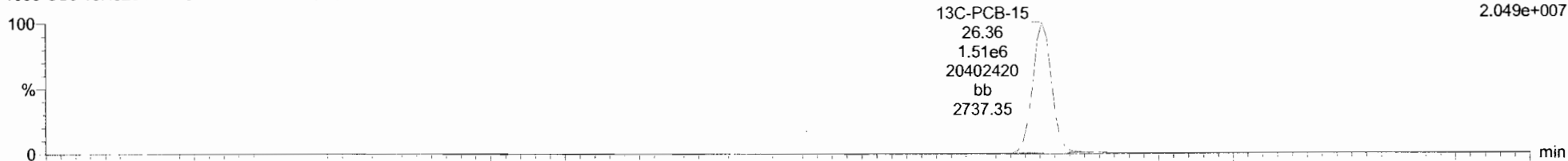
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-15

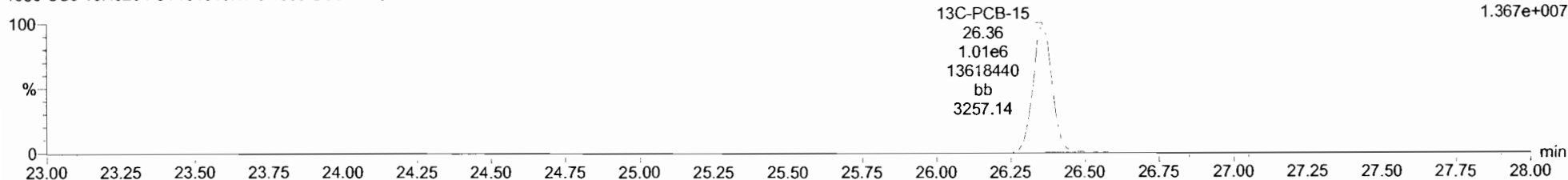
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F2:Voltage SIR,EI+
234.0406
2.049e+007



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

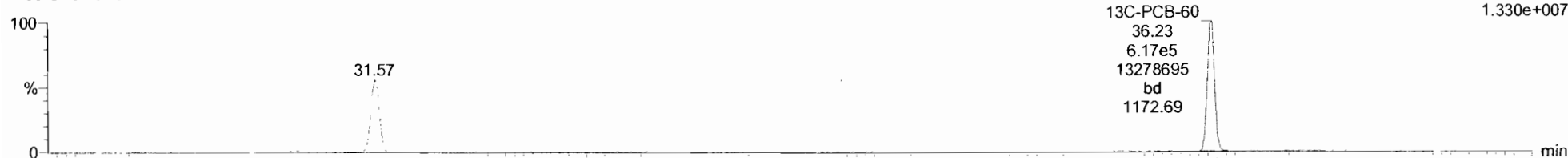
F2:Voltage SIR,EI+
236.0376
1.367e+007



13C-PCB-60

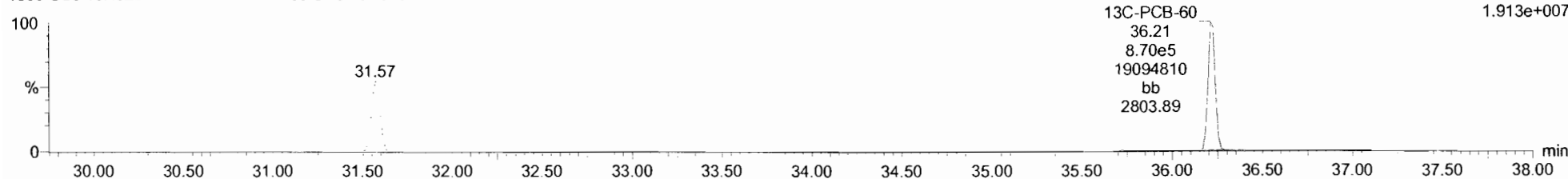
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F3:Voltage SIR,EI+
301.9626
1.330e+007



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F3:Voltage SIR,EI+
303.9597
1.913e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-123

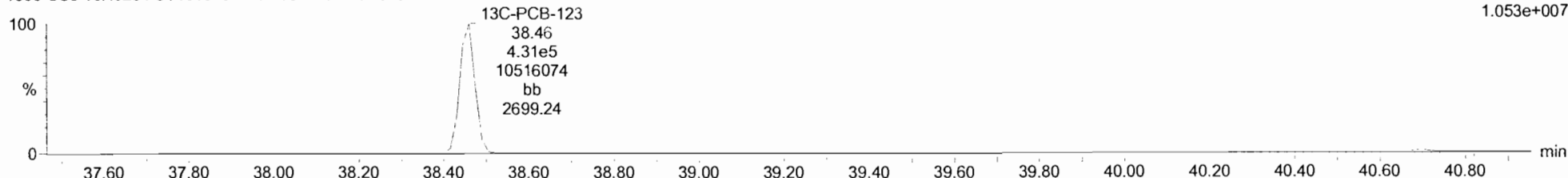
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F4:Voltage SIR,EI+
337.9210
1.306e+007



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

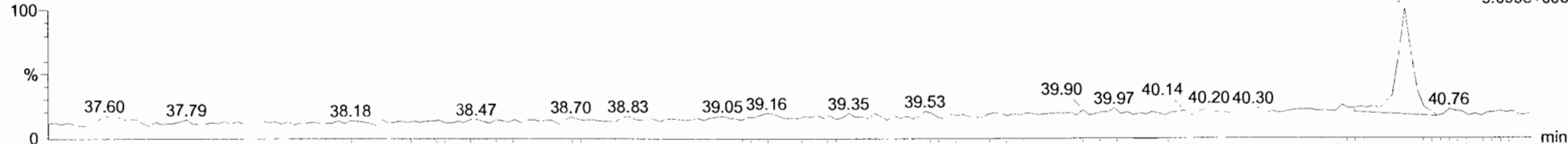
F4:Voltage SIR,EI+
339.9180
1.053e+007



13C-PARLAR 39

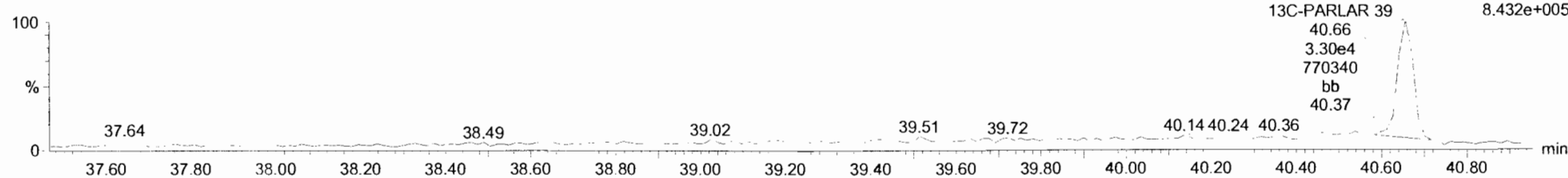
191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F4:Voltage SIR,EI+
251.9648
9.099e+005



191016K1_6
1699 CS3 19H0204 ST191016K1-6 1699 CS3 19H0204

F4:Voltage SIR,EI+
253.9619
8.432e+005



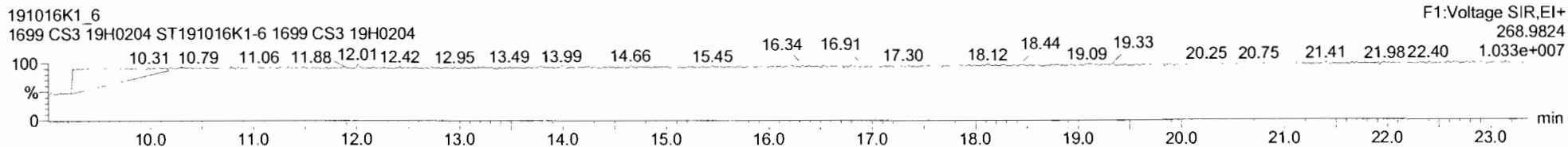
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

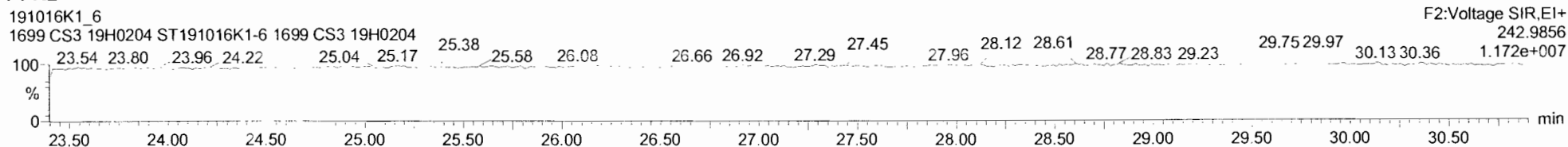
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_6, Date: 16-Oct-2019, Time: 19:37:10, ID: ST191016K1-6 1699 CS3 19H0204, Description: 1699 CS3 19H0204

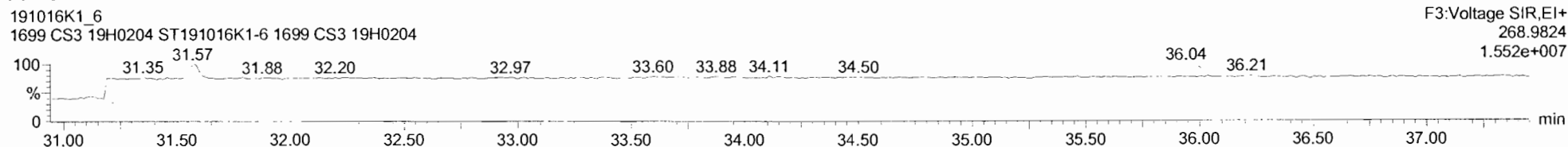
PFK1



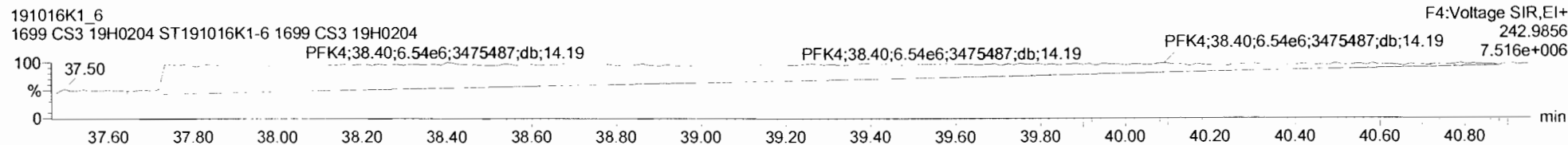
PFK2



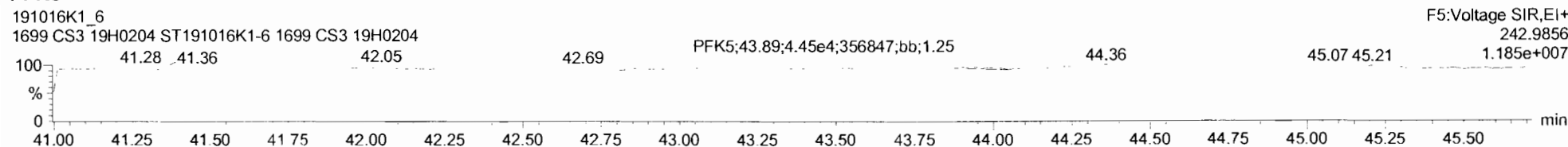
PFK3



PFK4



PFK5



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

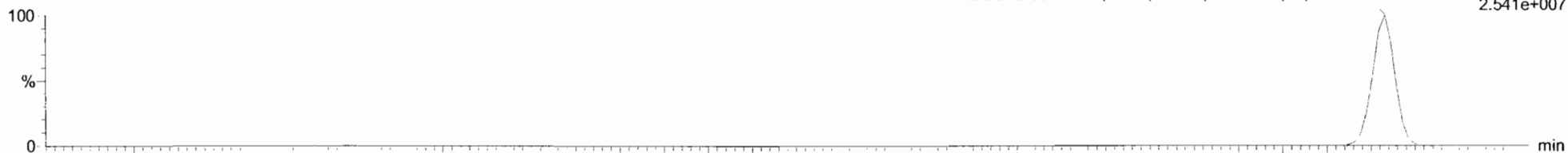
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Hexachlorobenzene

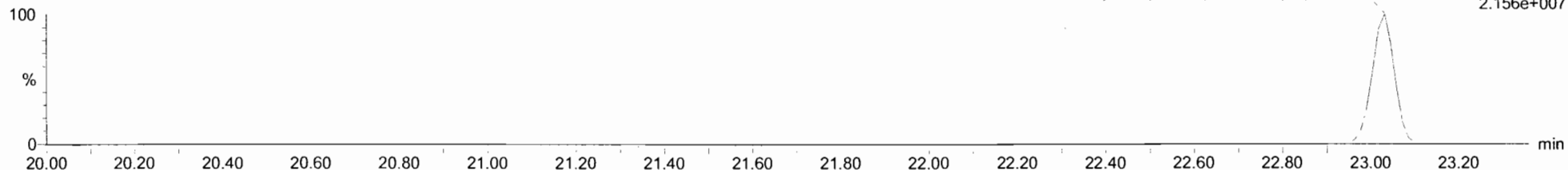
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

Hexachlorobenzene;23.03;1.48e6;25375602;bb;44413.99
F1:Voltage SIR,EI+
283.8102
2.541e+007



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

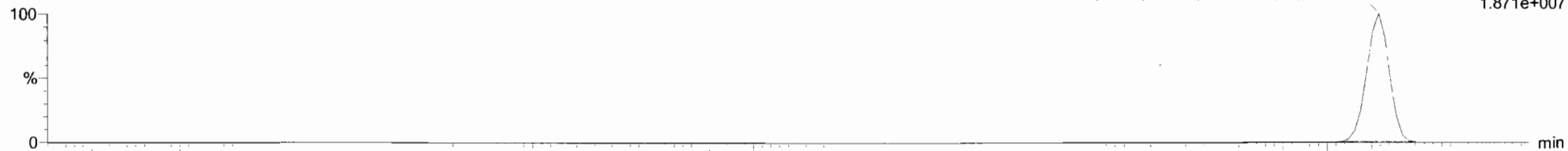
Hexachlorobenzene;23.03;1.25e6;21535468;bb;37241.33
F1:Voltage SIR,EI+
285.8072
2.156e+007



13C6-Hexachlorobenzene

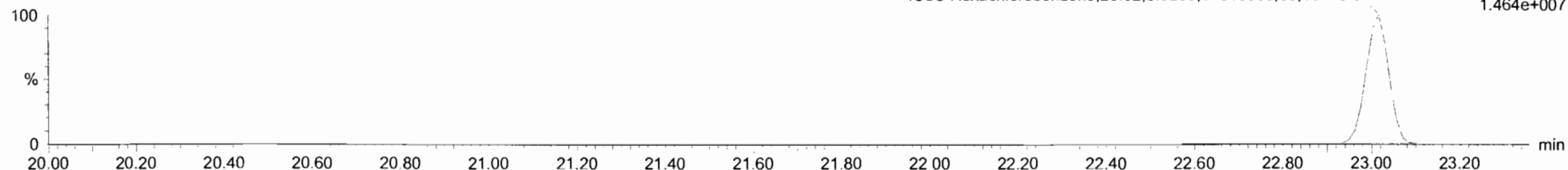
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

13C6-Hexachlorobenzene;23.02;1.10e6;18683070;bb;25438.76
F1:Voltage SIR,EI+
289.8303
1.871e+007



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

13C6-Hexachlorobenzene;23.02;8.62e5;14613389;bb;18716.82
F1:Voltage SIR,EI+
291.8273
1.464e+007



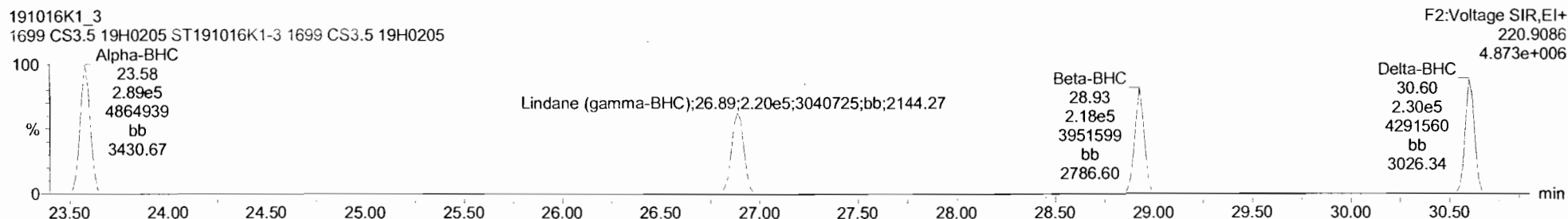
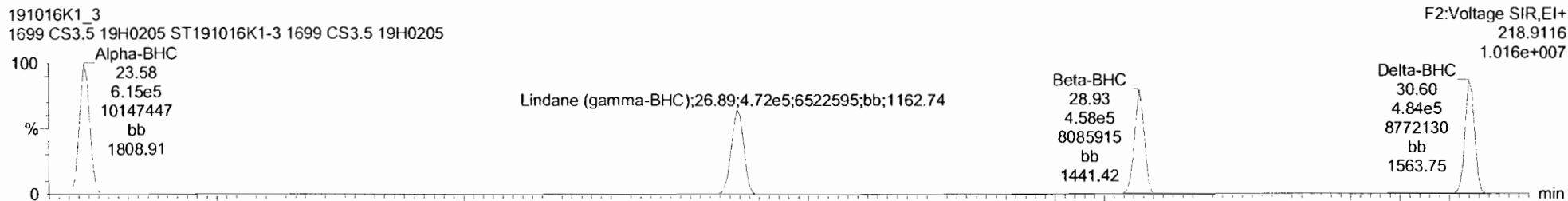
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

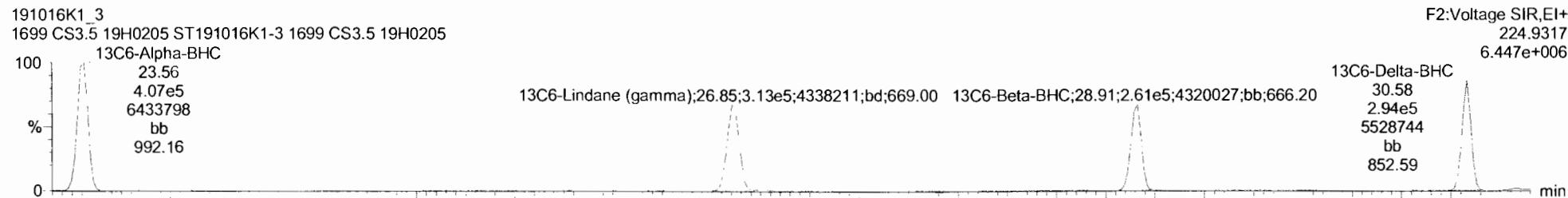
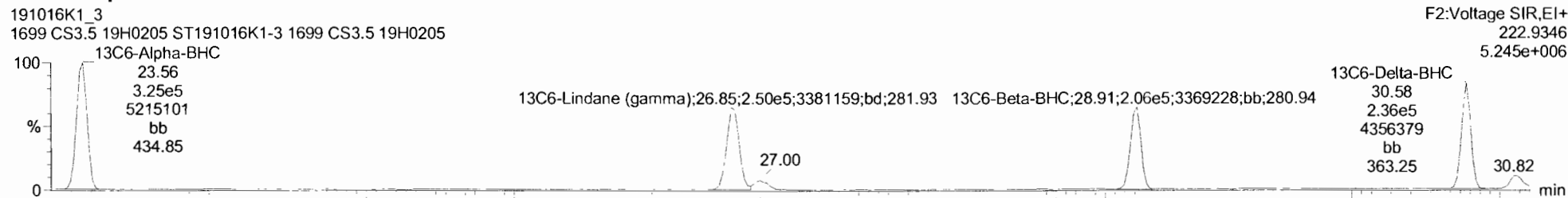
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

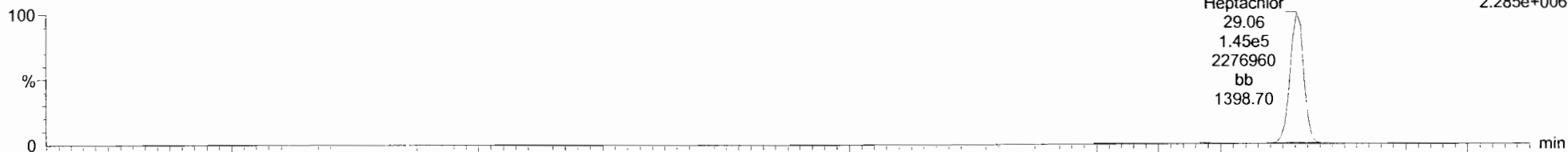
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Heptachlor

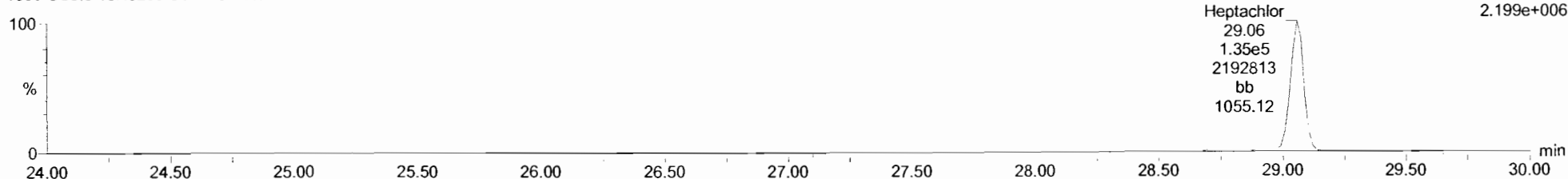
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
271.8102
2.285e+006



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

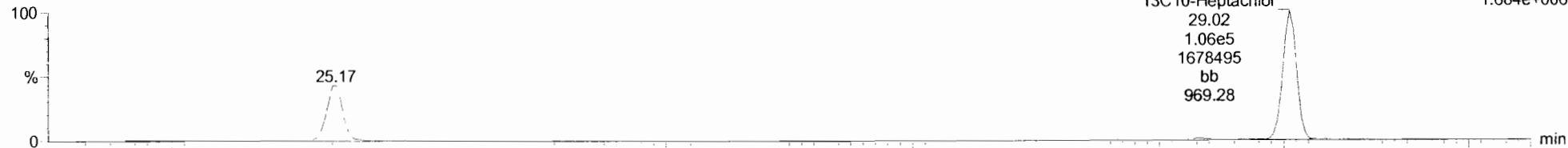
F2:Voltage SIR,EI+
273.8072
2.199e+006



13C10-Heptachlor

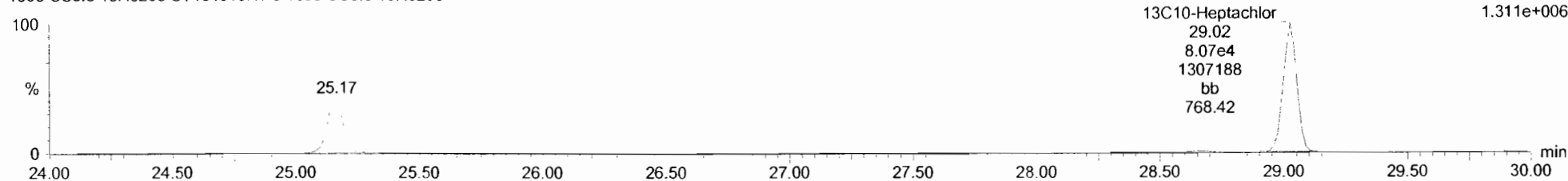
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
276.8269
1.684e+006



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
278.8240
1.311e+006



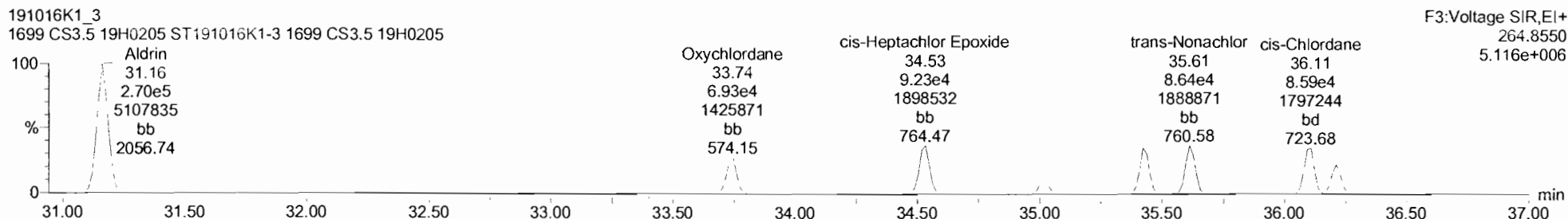
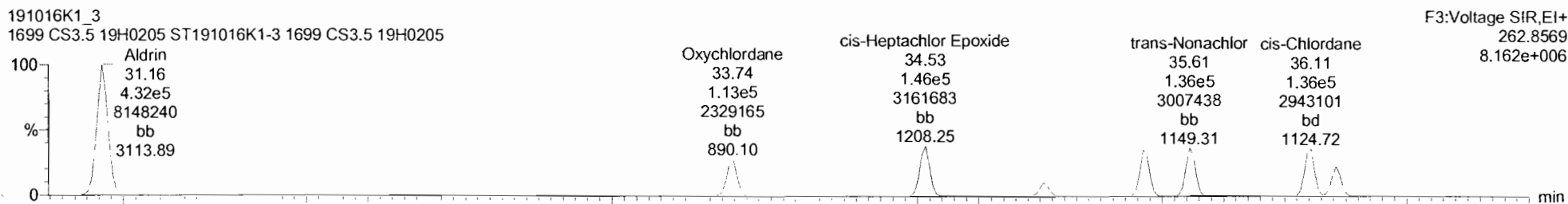
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

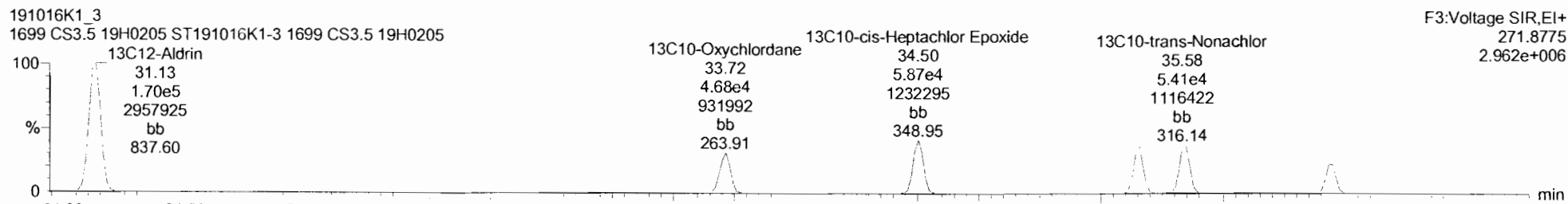
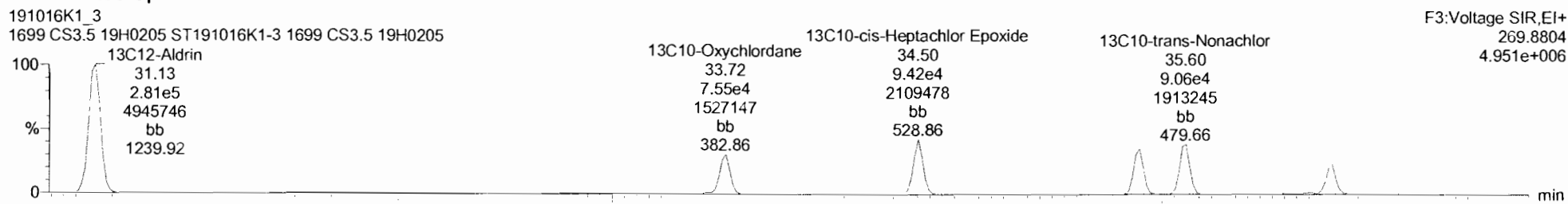
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

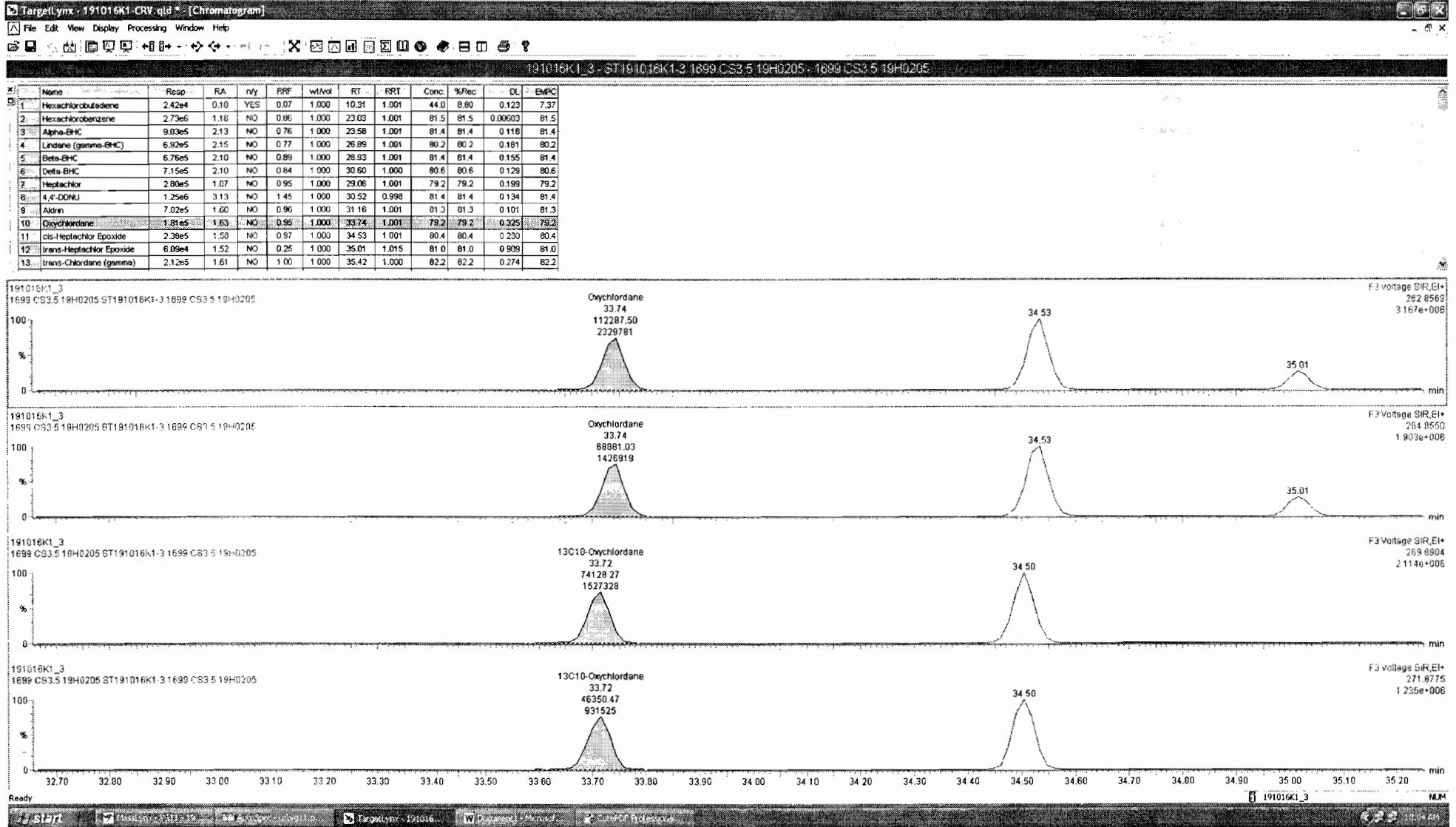
Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Aldrin-EI



Aldrin-EI-isotopes





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

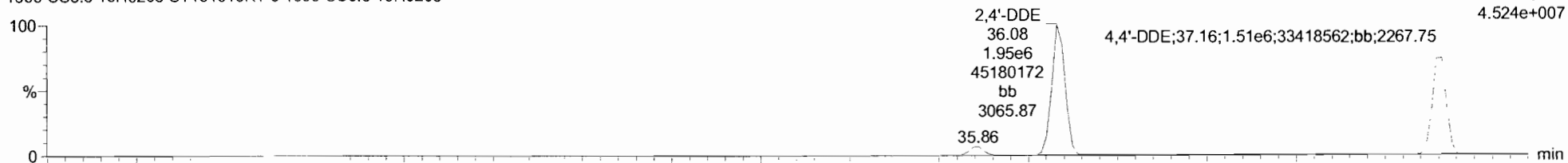
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

DDMU-DDE

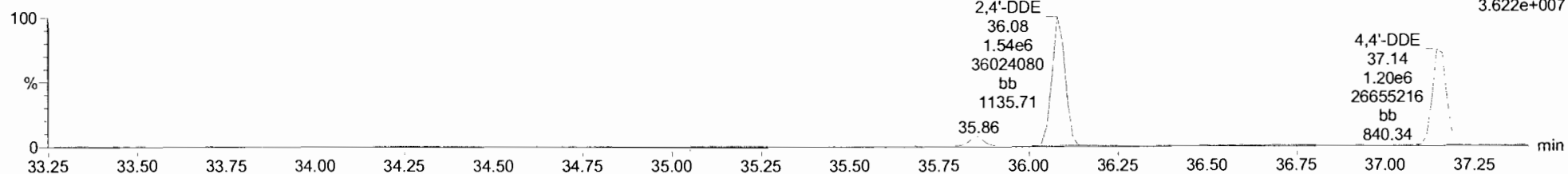
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
246.0003
4.524e+007



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

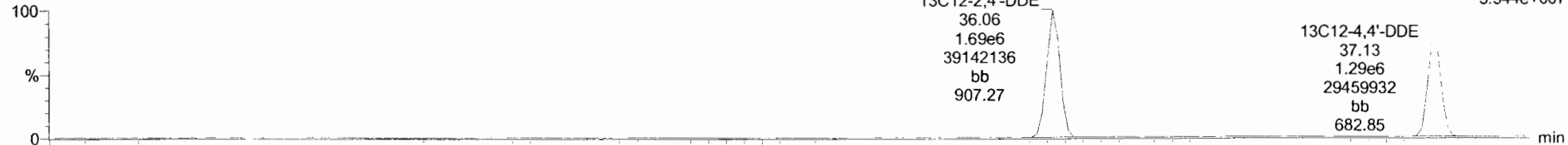
F3:Voltage SIR,EI+
247.9974
3.622e+007



DDE-isotopes

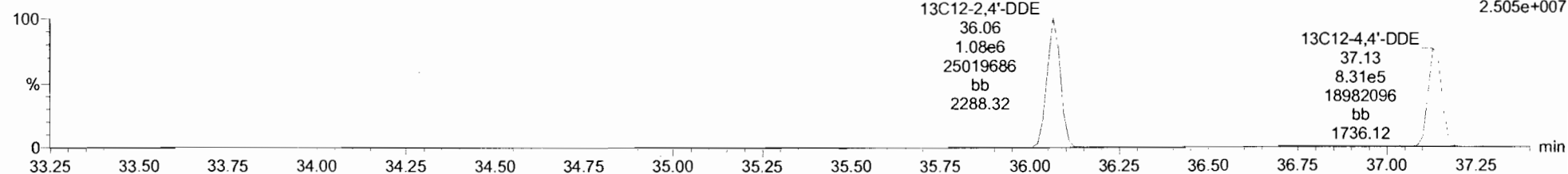
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
258.0406
3.944e+007



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
260.0376
2.505e+007



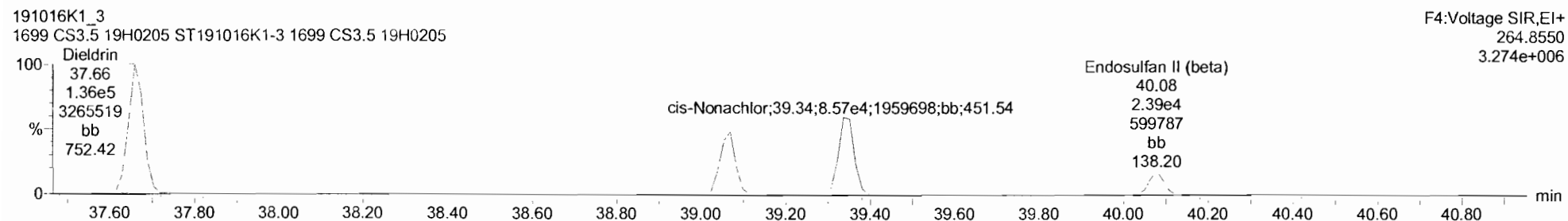
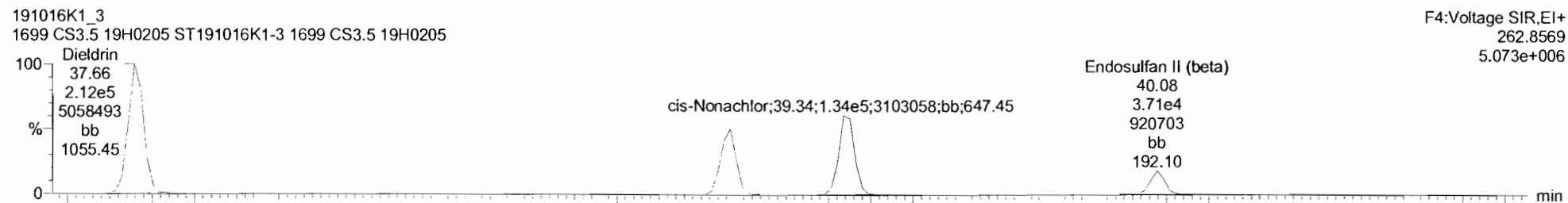
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

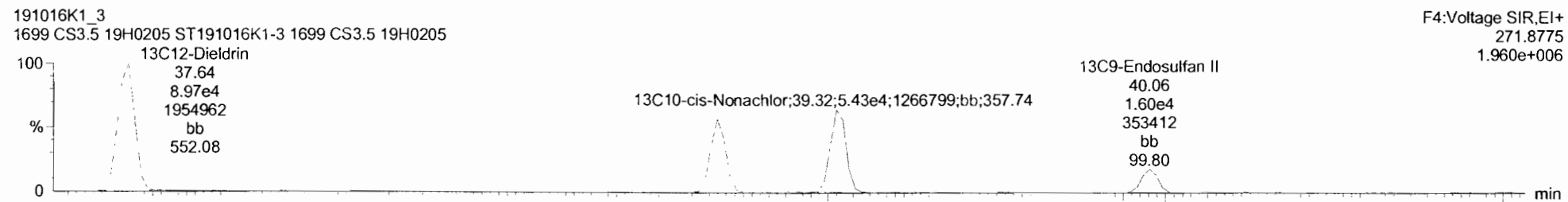
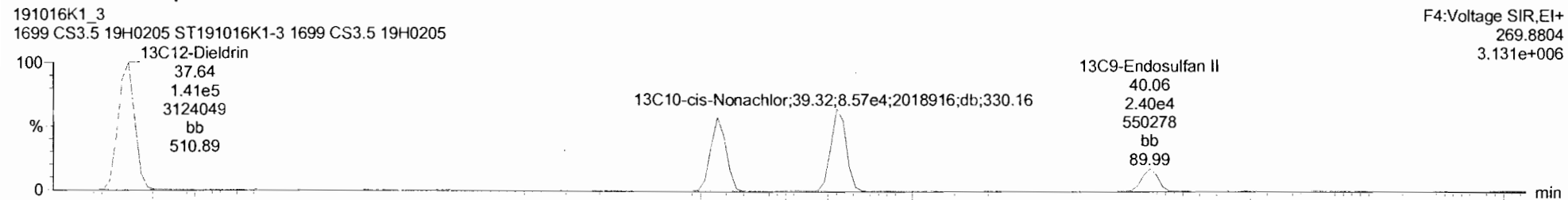
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

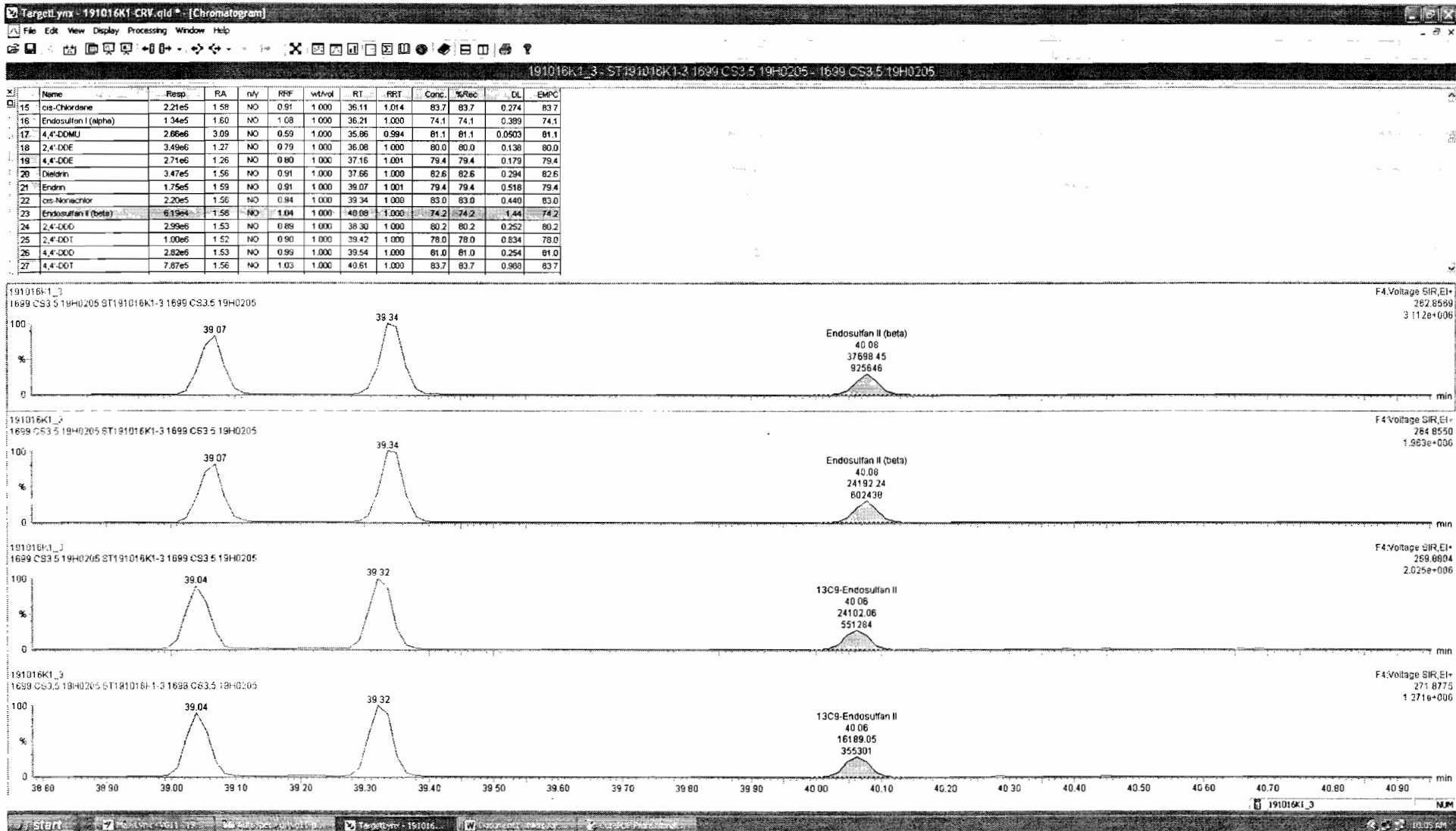
Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Dieldrin-EII



Dieldrin-EII-isotopes





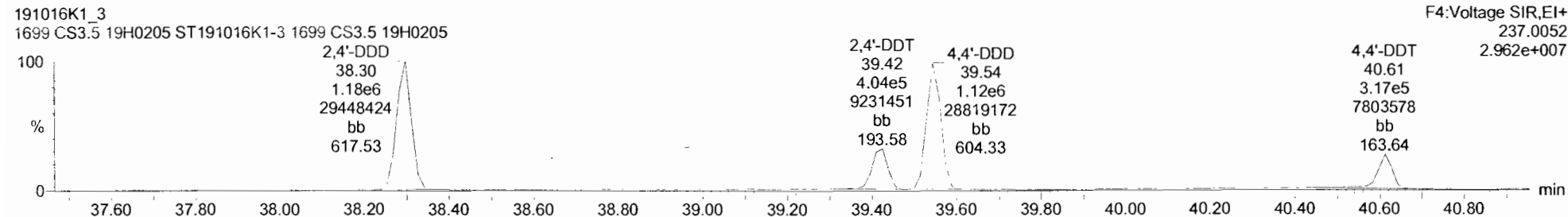
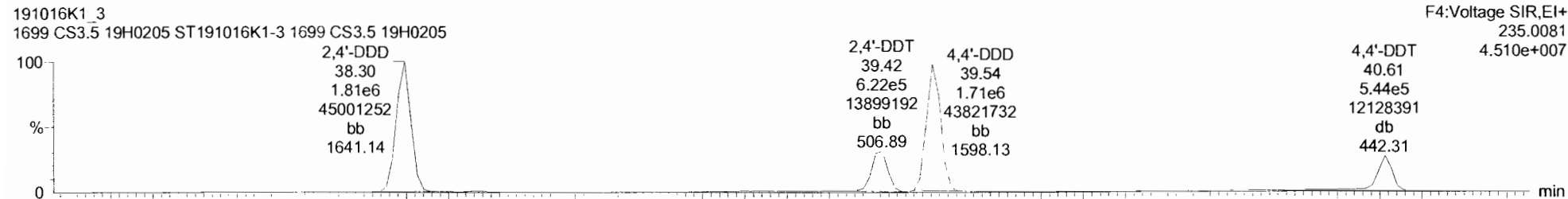
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

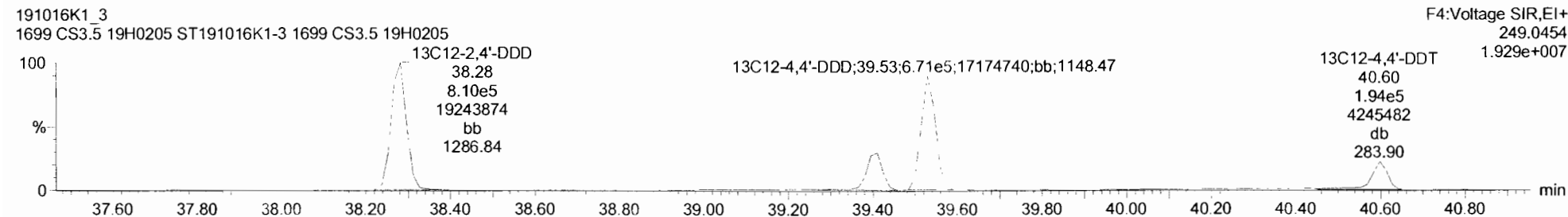
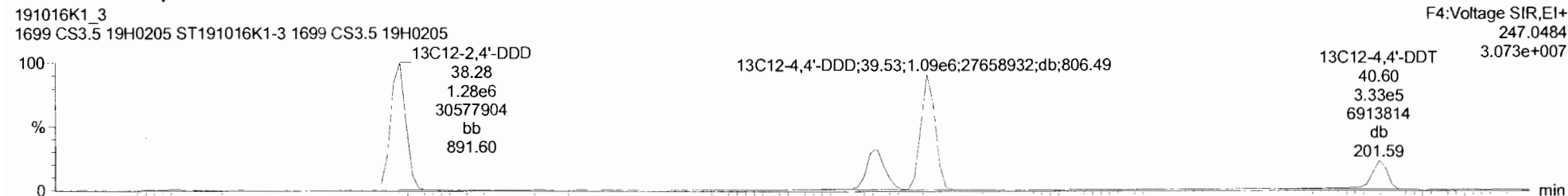
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

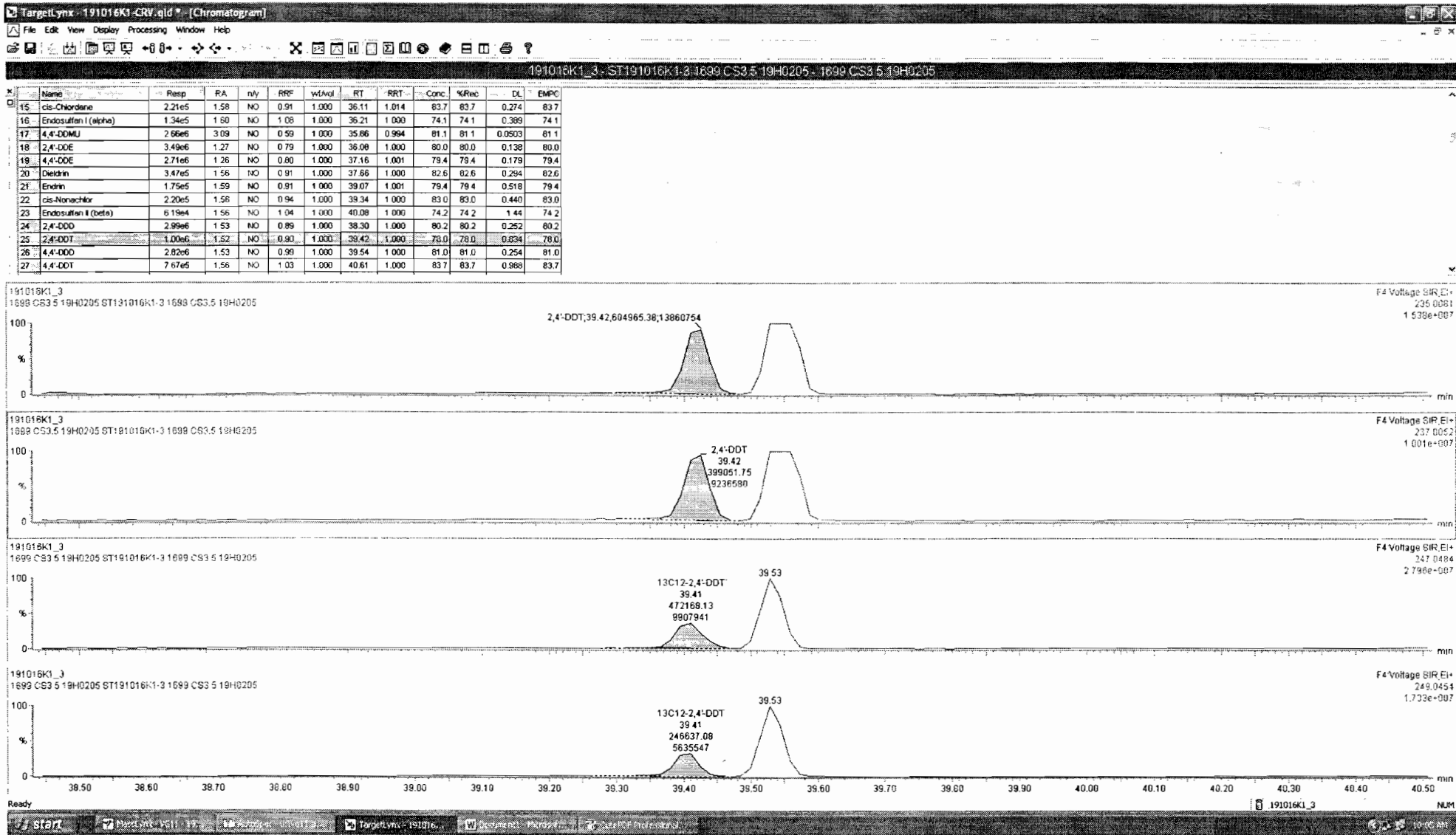
Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

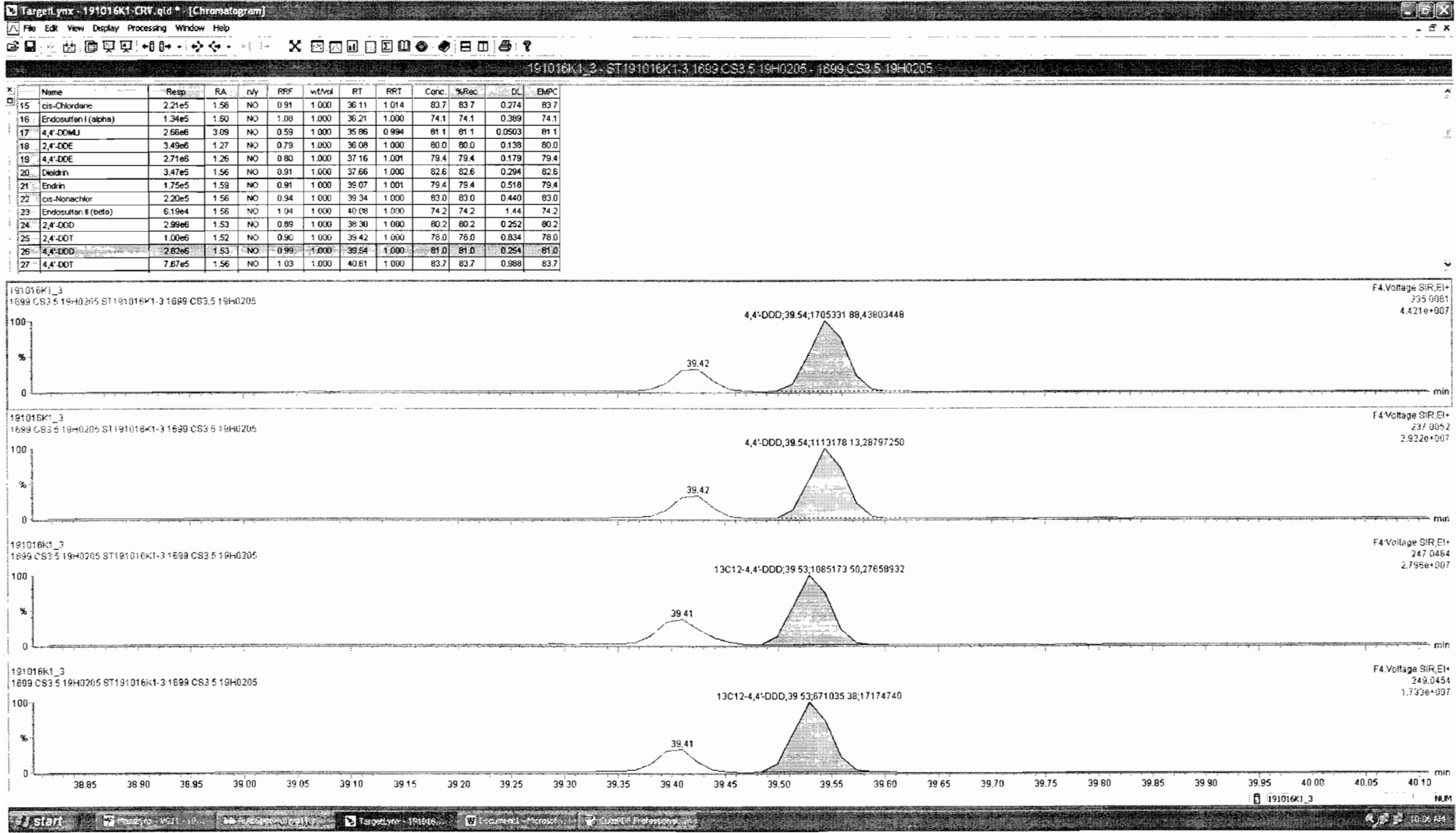
DDD-DDT

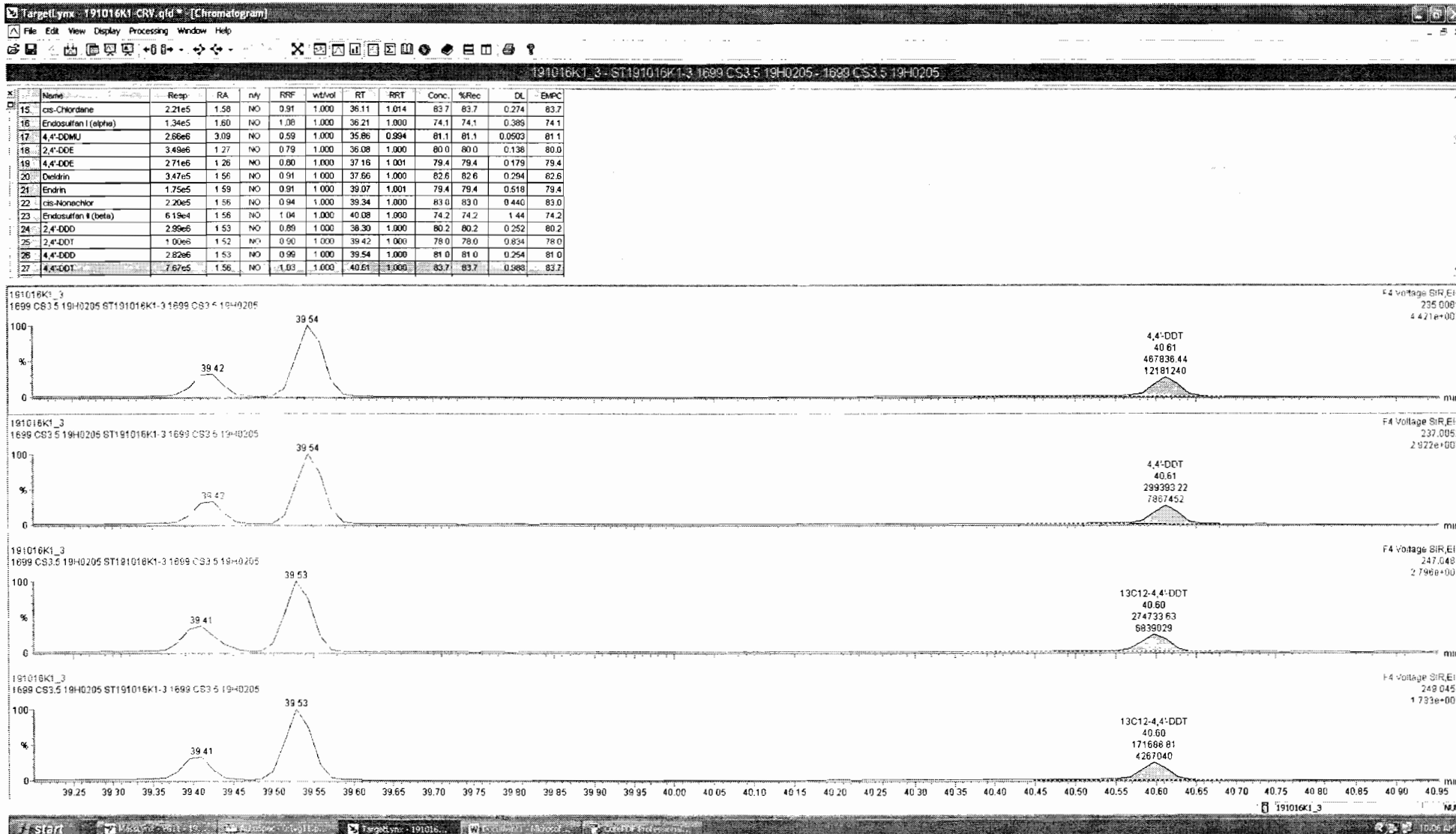


DDD-DDT-isotopes









Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

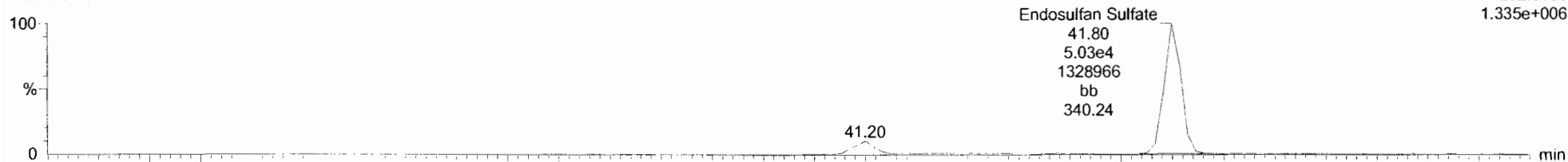
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Endosulfan Sulfate

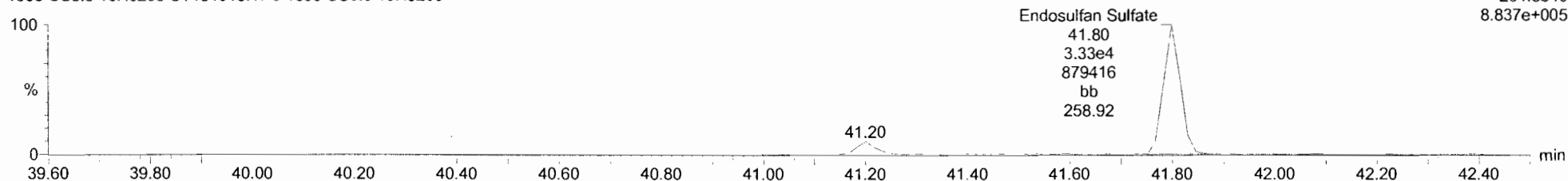
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
262.8569
1.335e+006



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

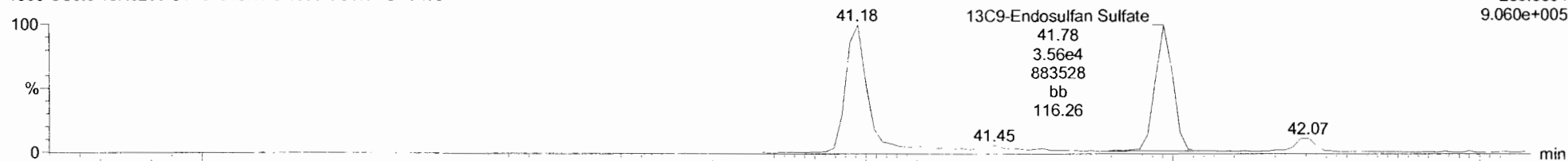
F5:Voltage SIR,EI+
264.8540
8.837e+005



13C9-Endosulfan Sulfate

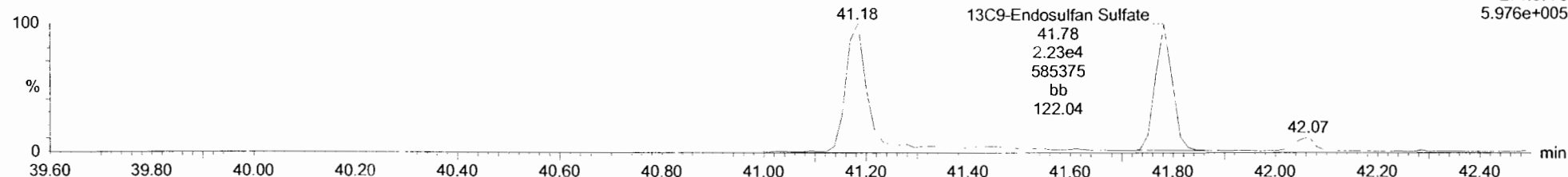
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

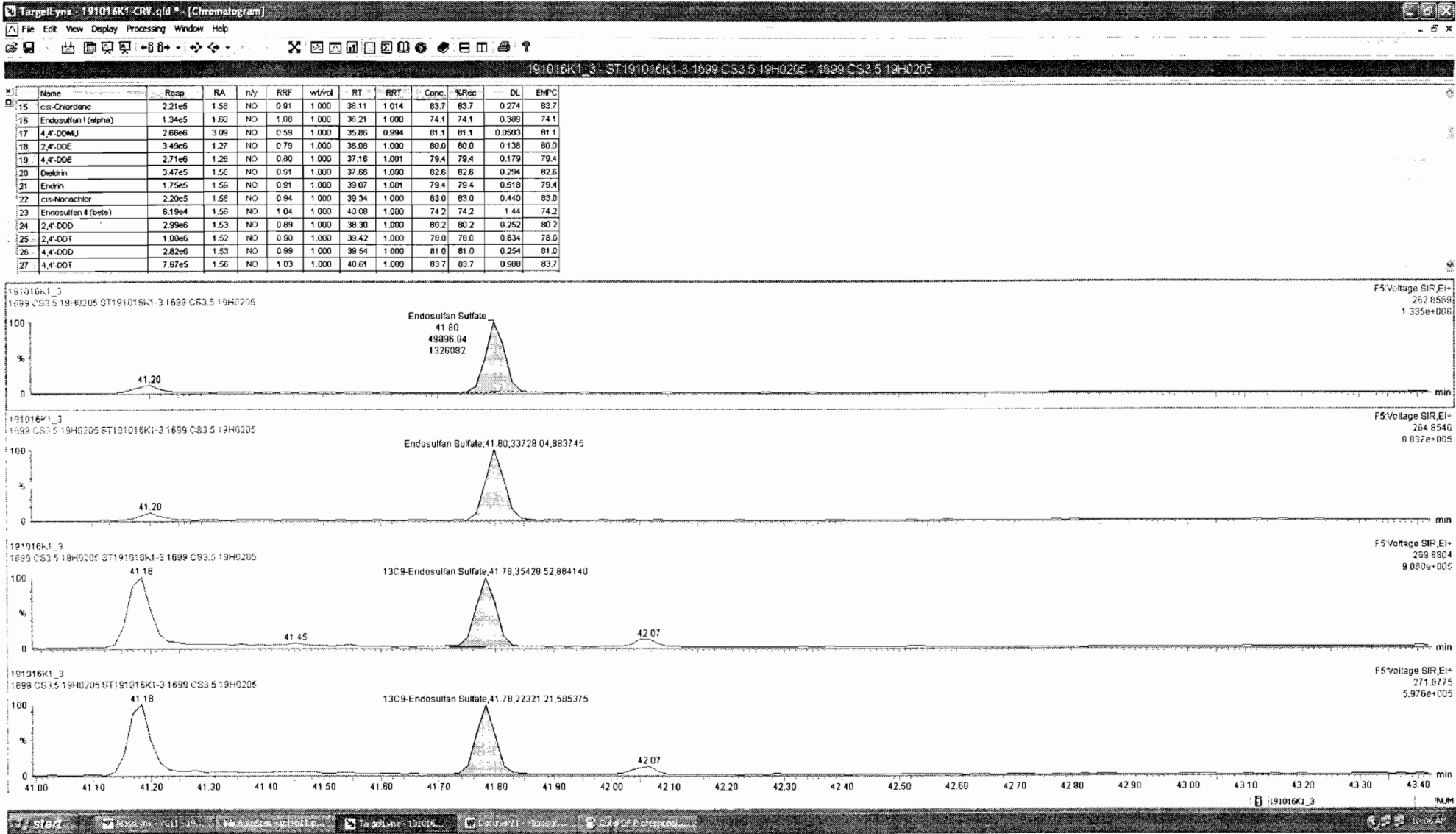
F5:Voltage SIR,EI+
269.8804
9.060e+005



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
271.8775
5.976e+005





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

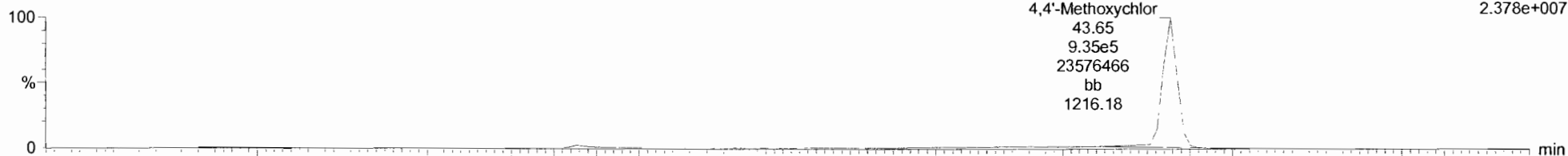
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

4,4'-Methoxychlor

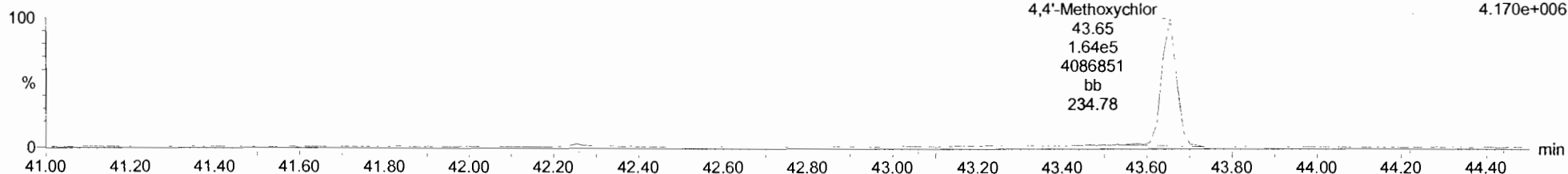
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
227.1072
2.378e+007



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
228.1106
4.170e+006



13C12-Methoxychlor

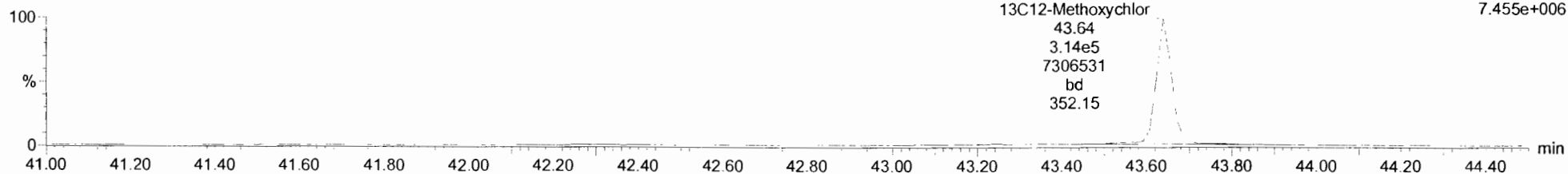
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

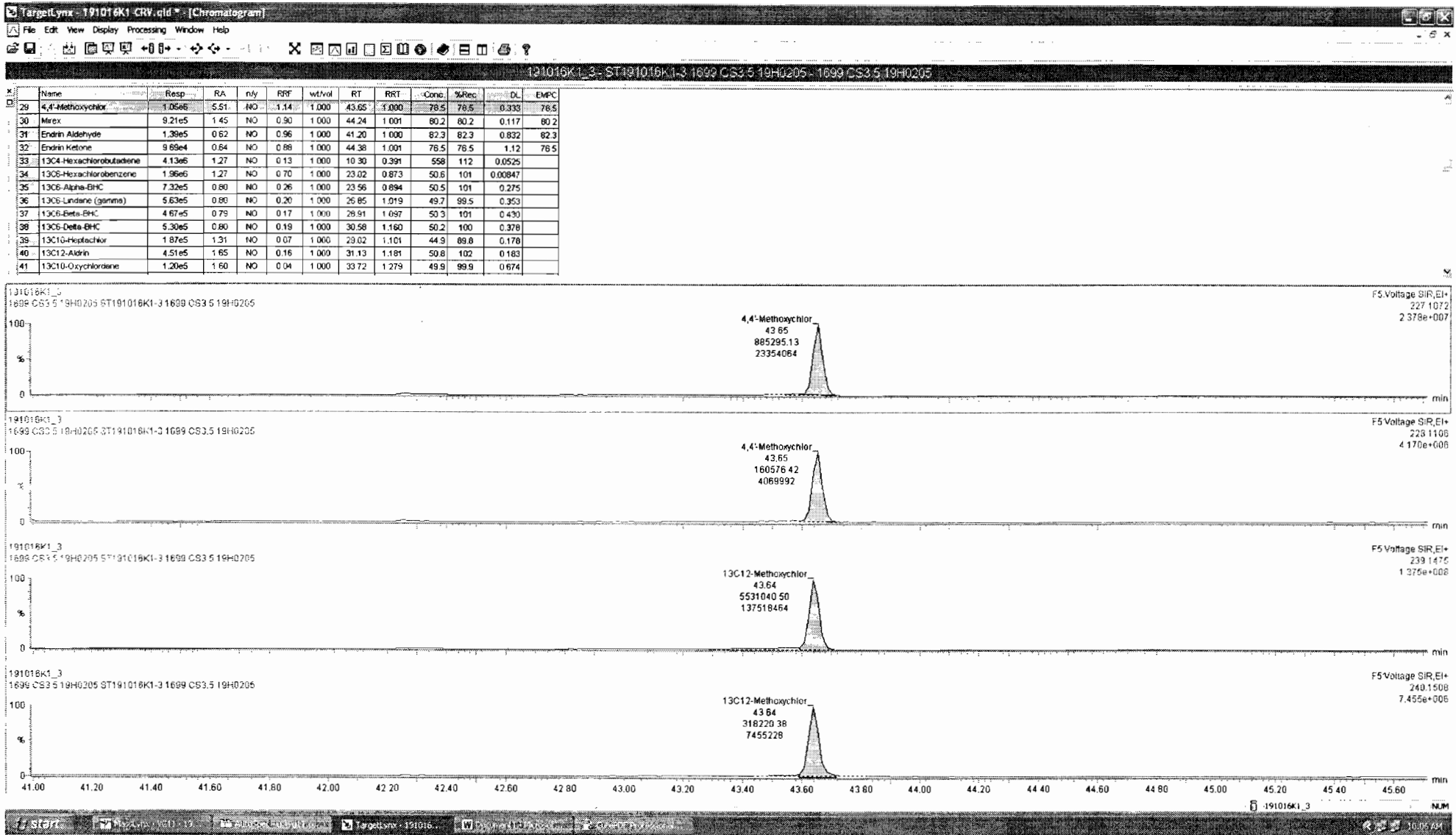
F5:Voltage SIR,EI+
239.1475
1.375e+008



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
240.1508
7.455e+006





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

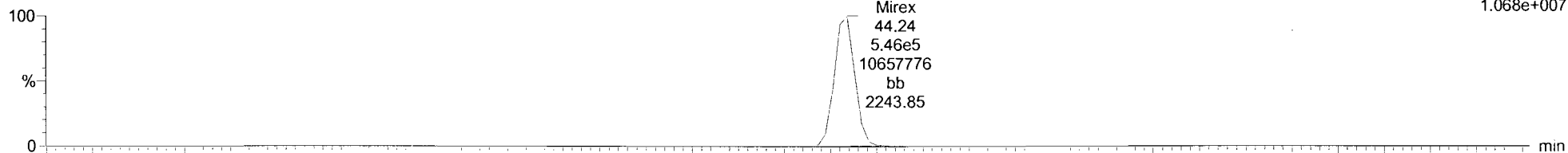
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Mirex

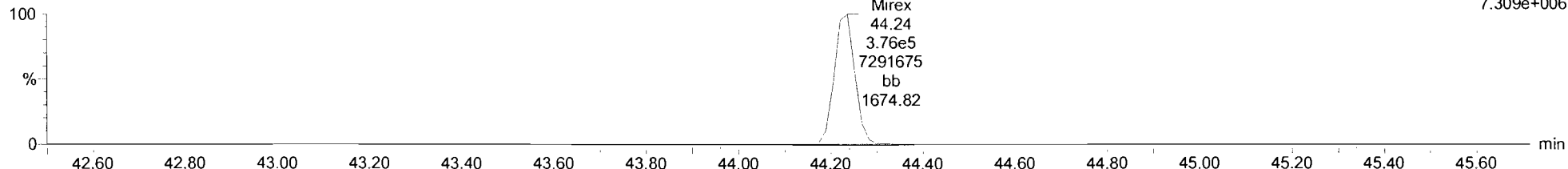
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
236.8413
1.068e+007



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

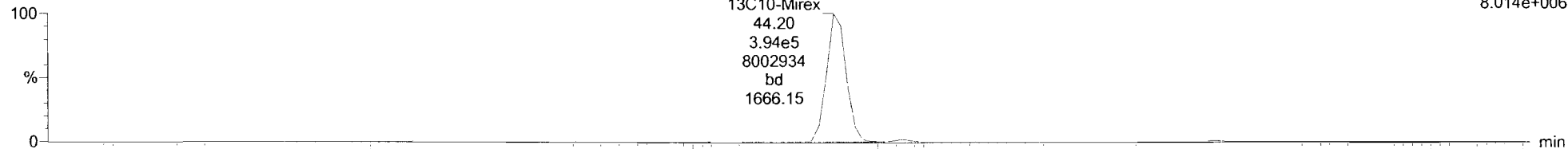
F5:Voltage SIR,EI+
238.8384
7.309e+006



13C10-Mirex

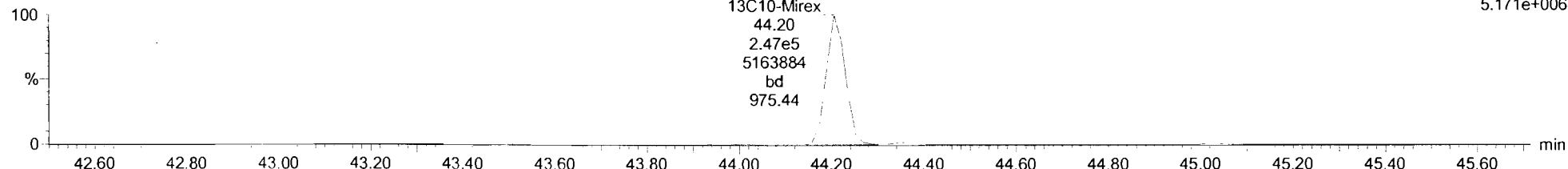
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
241.8581
8.014e+006



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
243.8551
5.171e+006



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

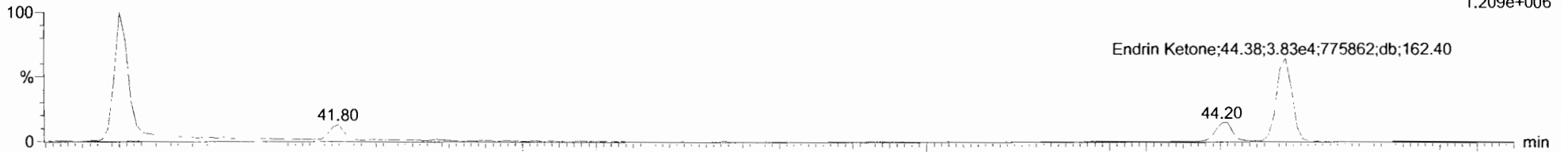
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

EA-EK

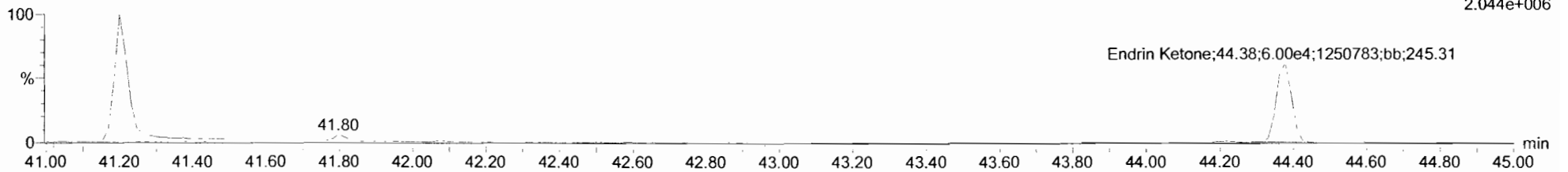
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
247.8521
1.209e+006



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

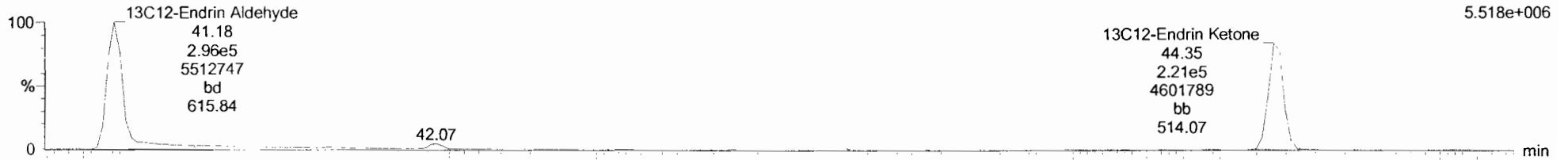
F5:Voltage SIR,EI+
249.8491
2.044e+006



EA-EK-isotopes

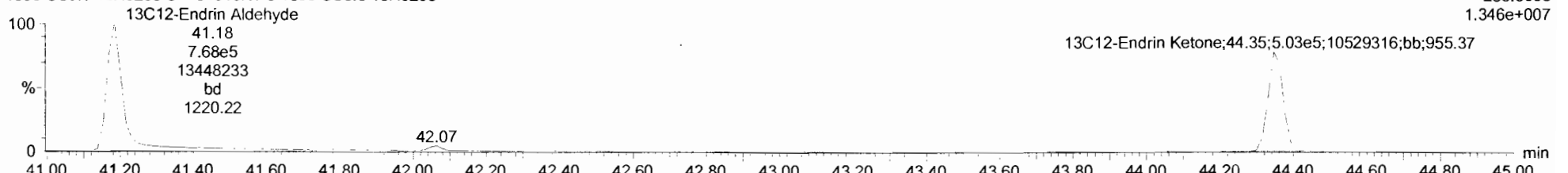
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

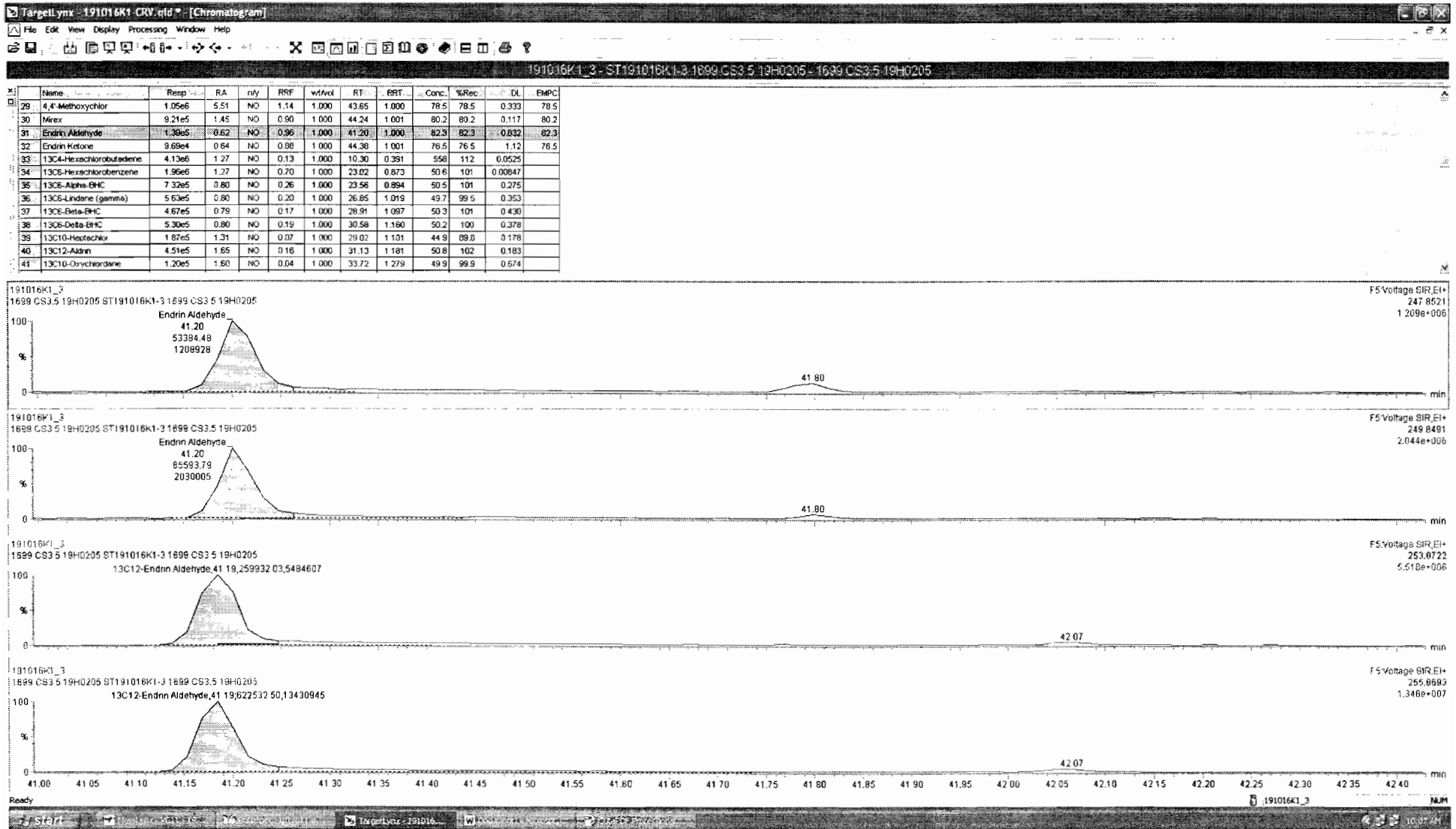
F5:Voltage SIR,EI+
253.8722
5.518e+006

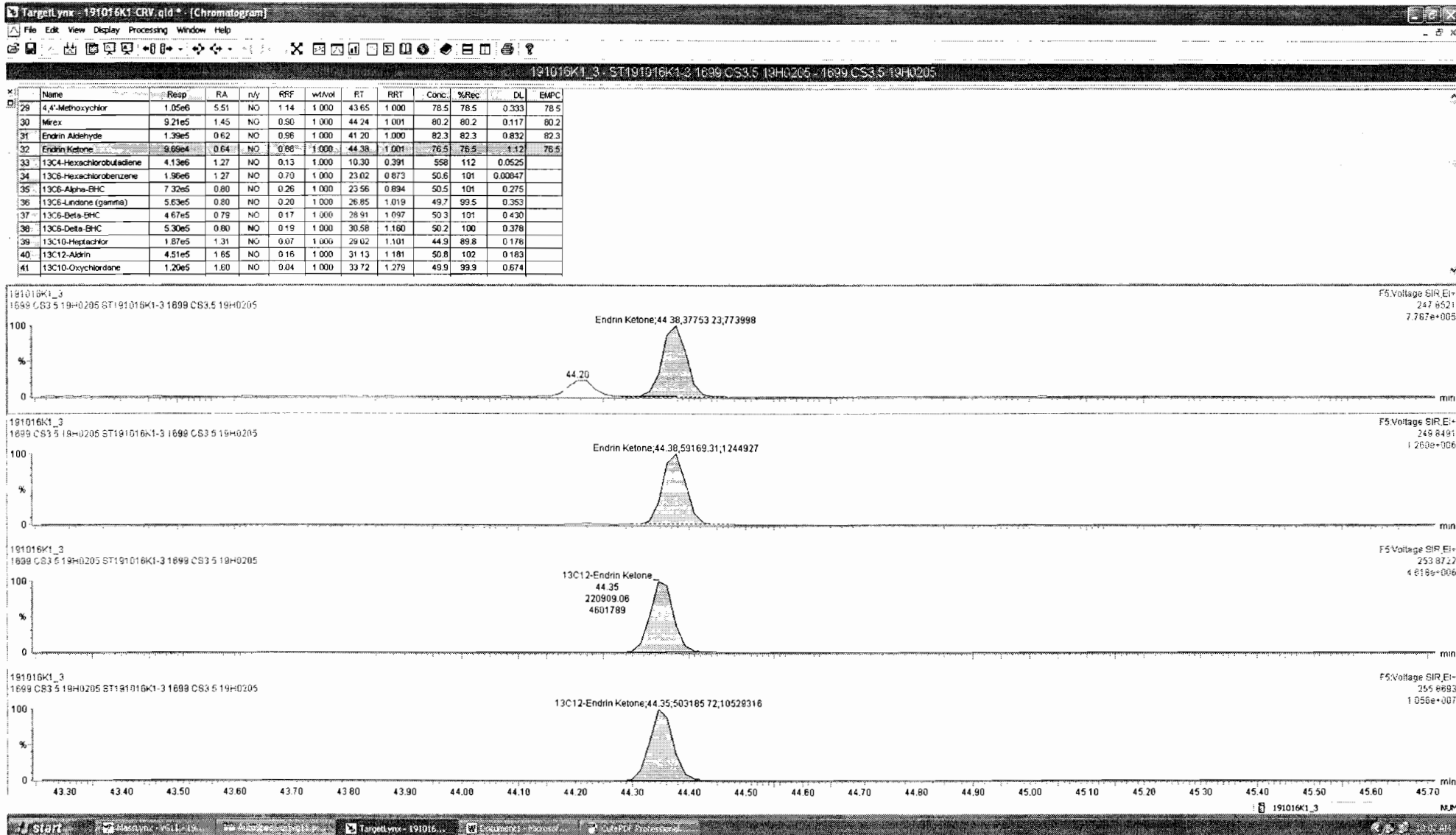


191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
255.8693
1.346e+007







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

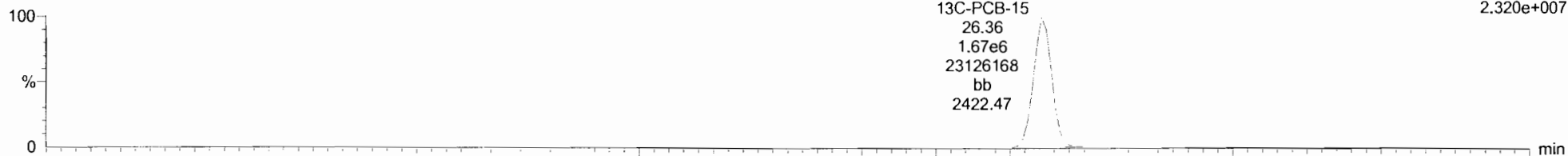
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

13C-PCB-15

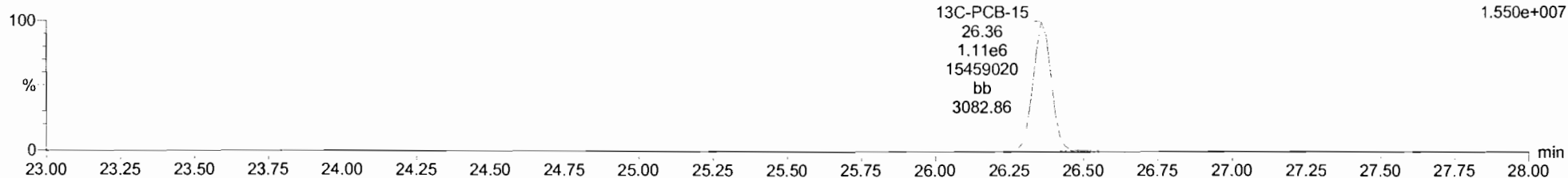
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
234.0406
2.320e+007



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

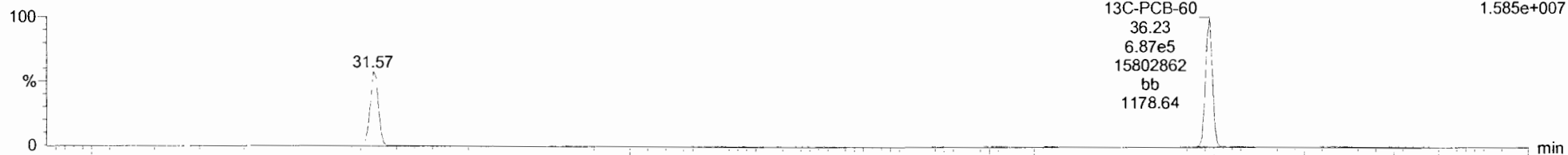
F2:Voltage SIR,EI+
236.0376
1.550e+007



13C-PCB-60

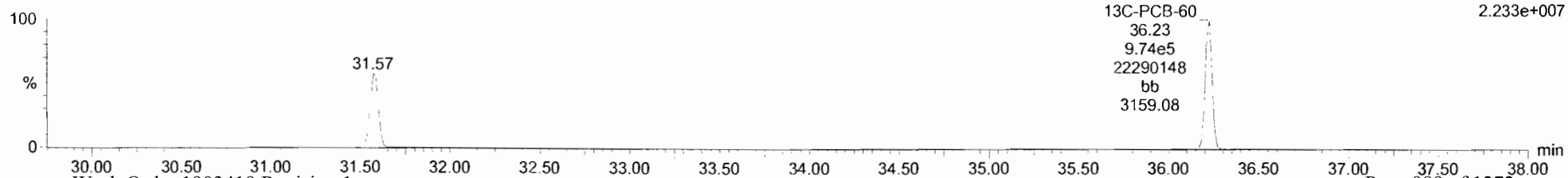
191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
301.9626
1.585e+007



191016K1_3
1699 CS3.5 19H0205 ST191016K1-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
303.9597
2.233e+007



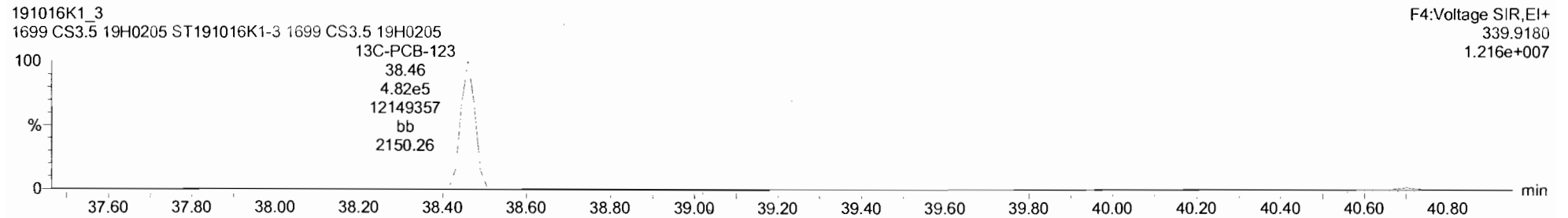
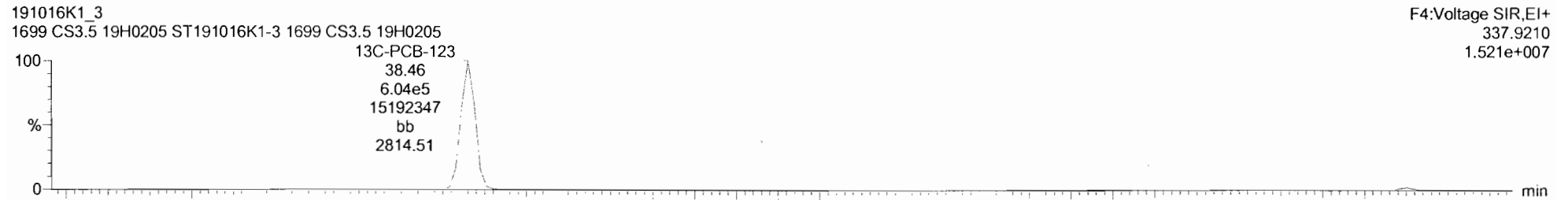
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

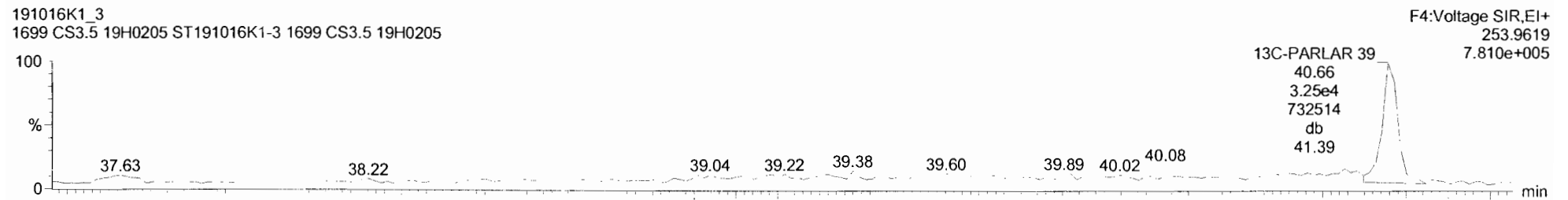
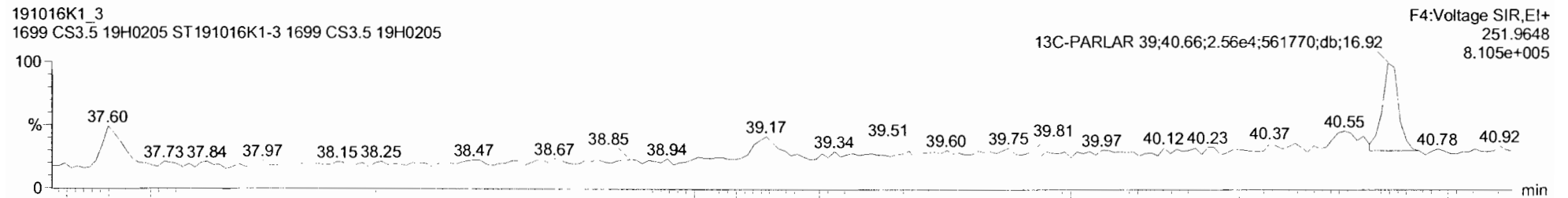
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

13C-PCB-123



13C-PARLAR 39



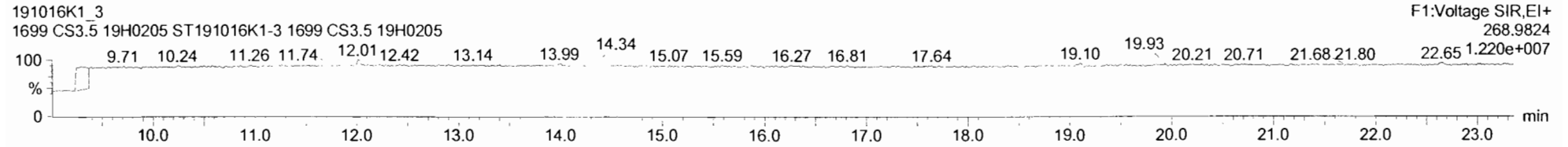
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

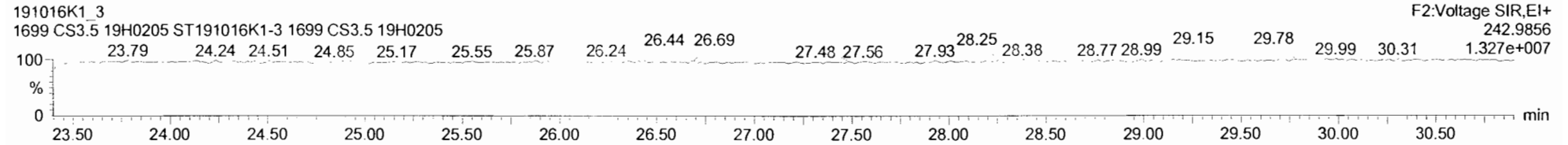
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_3, Date: 16-Oct-2019, Time: 17:07:52, ID: ST191016K1-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

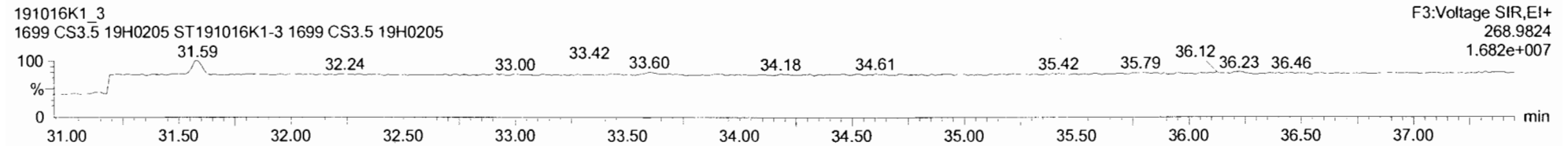
PFK1



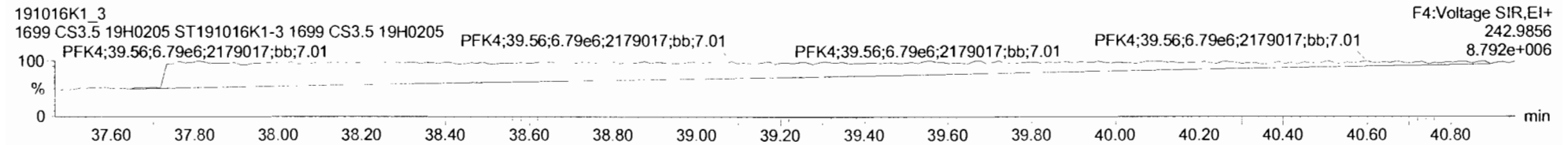
PFK2



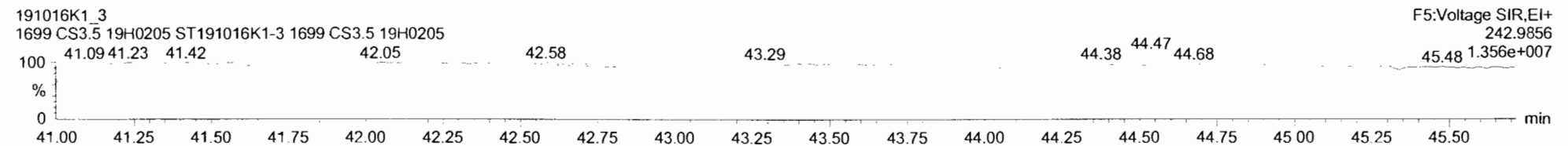
PFK3



PFK4



PFK5



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

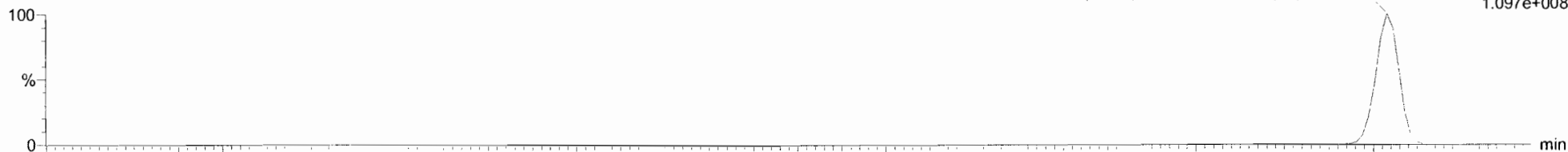
Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Hexachlorobenzene

191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

Hexachlorobenzene;23.03;6.57e6;109563664;bb;107948.26

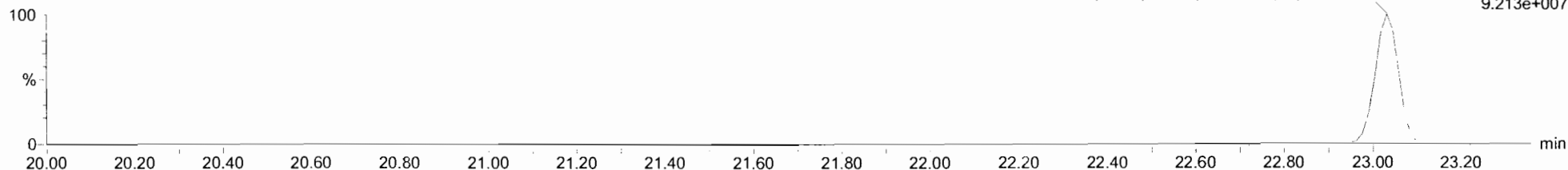
F1:Voltage SIR,EI+
283.8102
1.097e+008



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

Hexachlorobenzene;23.03;5.55e6;92052824;bb;163693.43

F1:Voltage SIR,EI+
285.8072
9.213e+007



13C6-Hexachlorobenzene

191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

13C6-Hexachlorobenzene;23.02;1.54e6;26330948;bb;33290.65

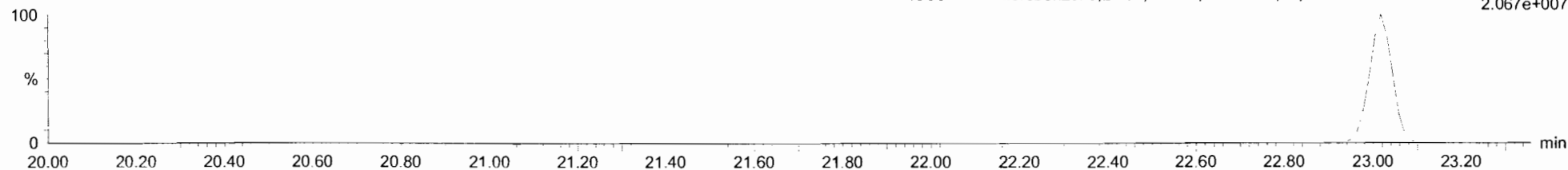
F1:Voltage SIR,EI+
289.8303
2.636e+007



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

13C6-Hexachlorobenzene;23.02;1.21e6;20651138;bb;25714.61

F1:Voltage SIR,EI+
291.8273
2.067e+007



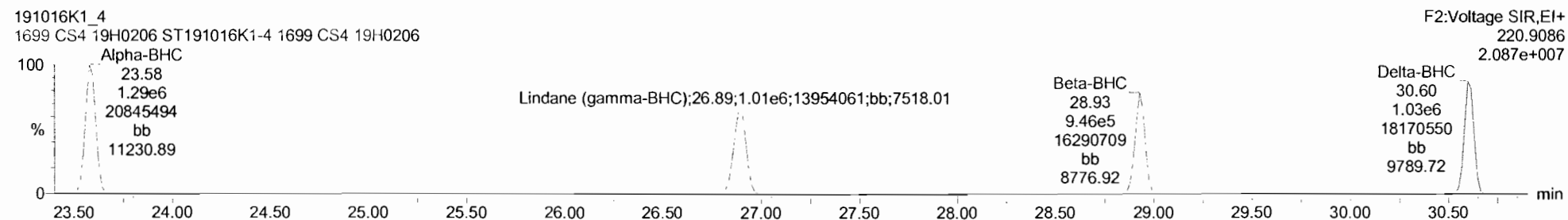
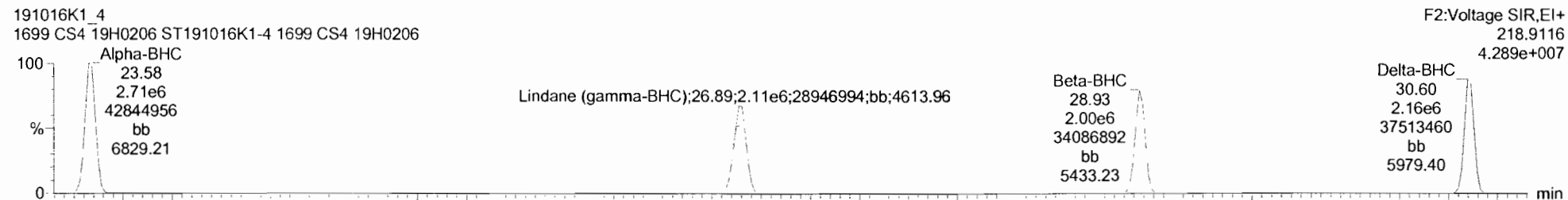
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

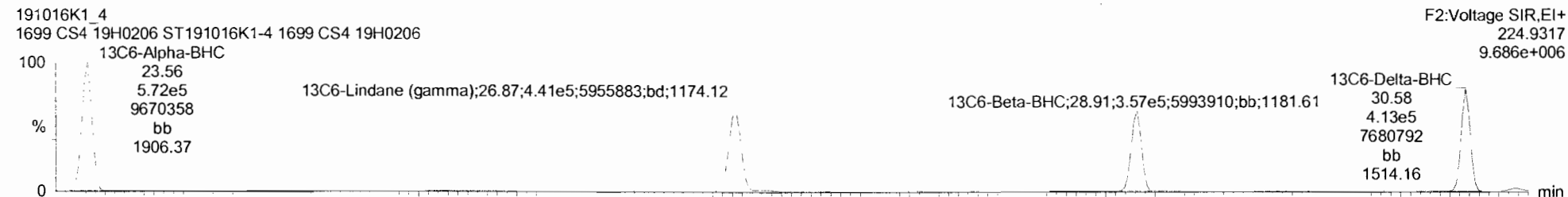
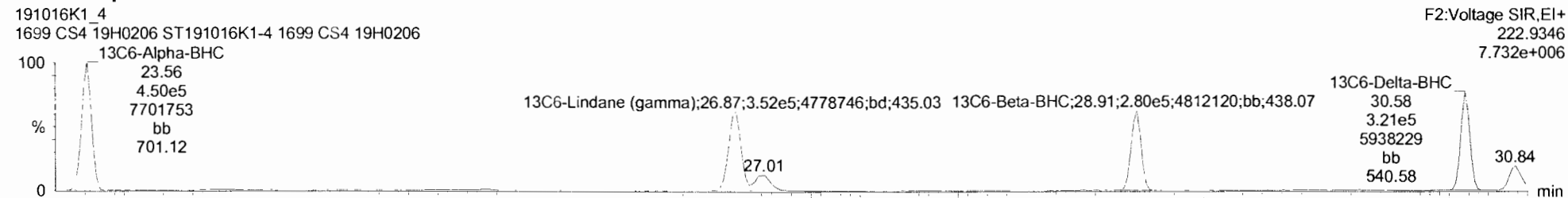
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

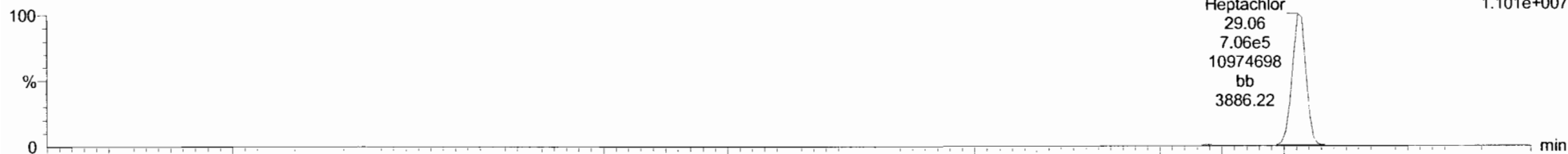
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Heptachlor

191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
271.8102
1.101e+007



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

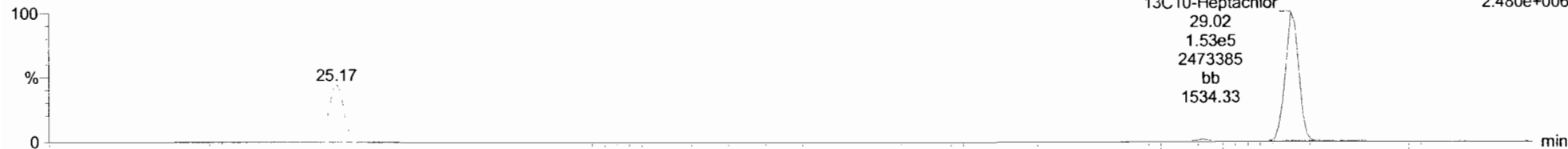
F2:Voltage SIR,EI+
273.8072
1.061e+007



13C10-Heptachlor

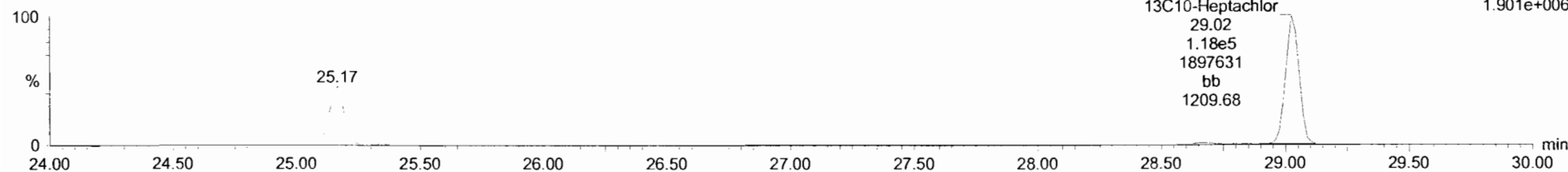
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
276.8269
2.480e+006



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
278.8240
1.901e+006



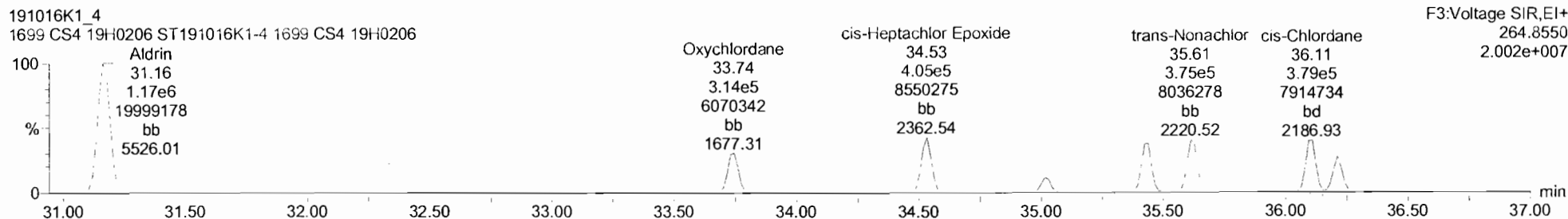
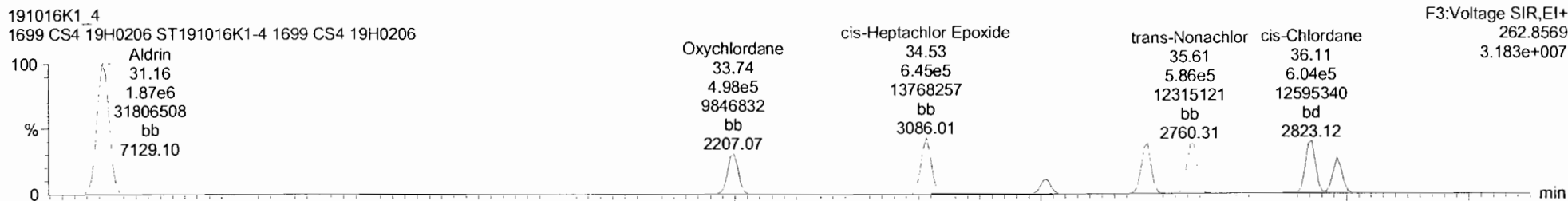
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

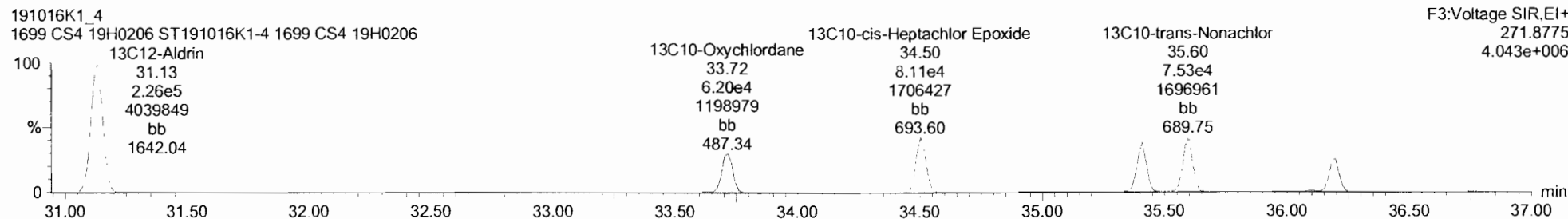
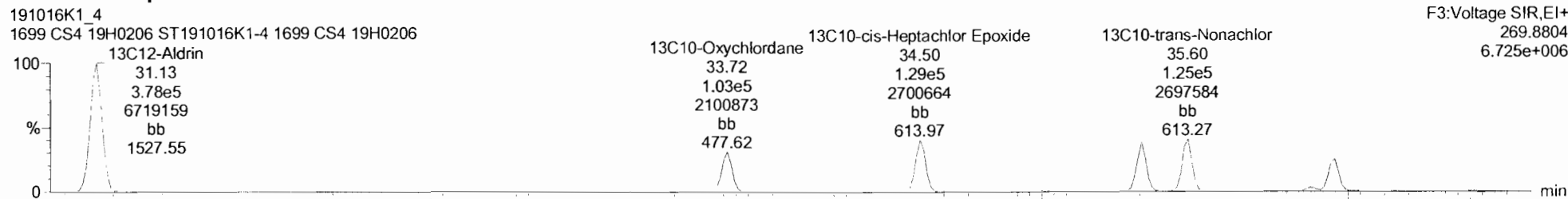
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

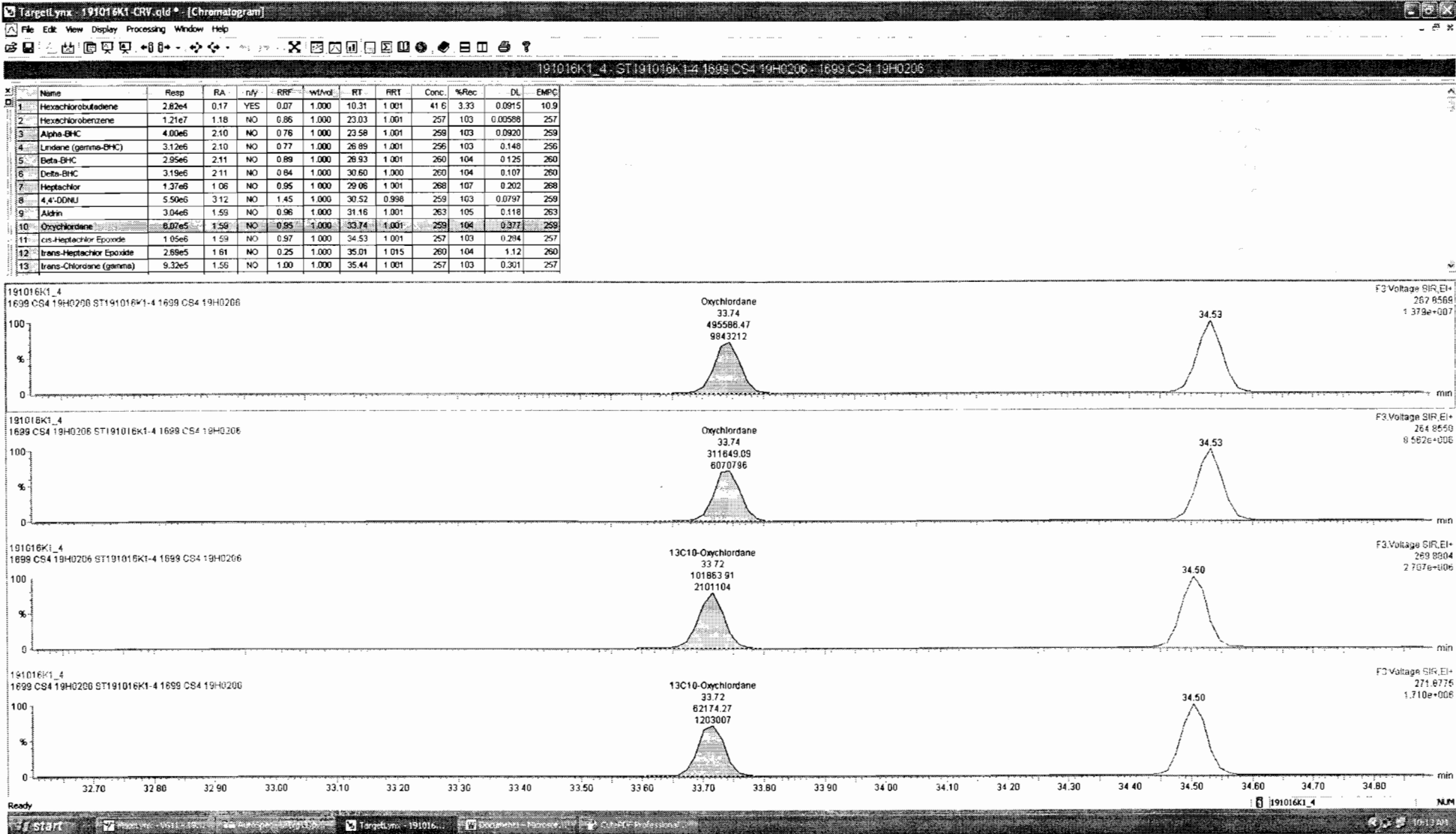
Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

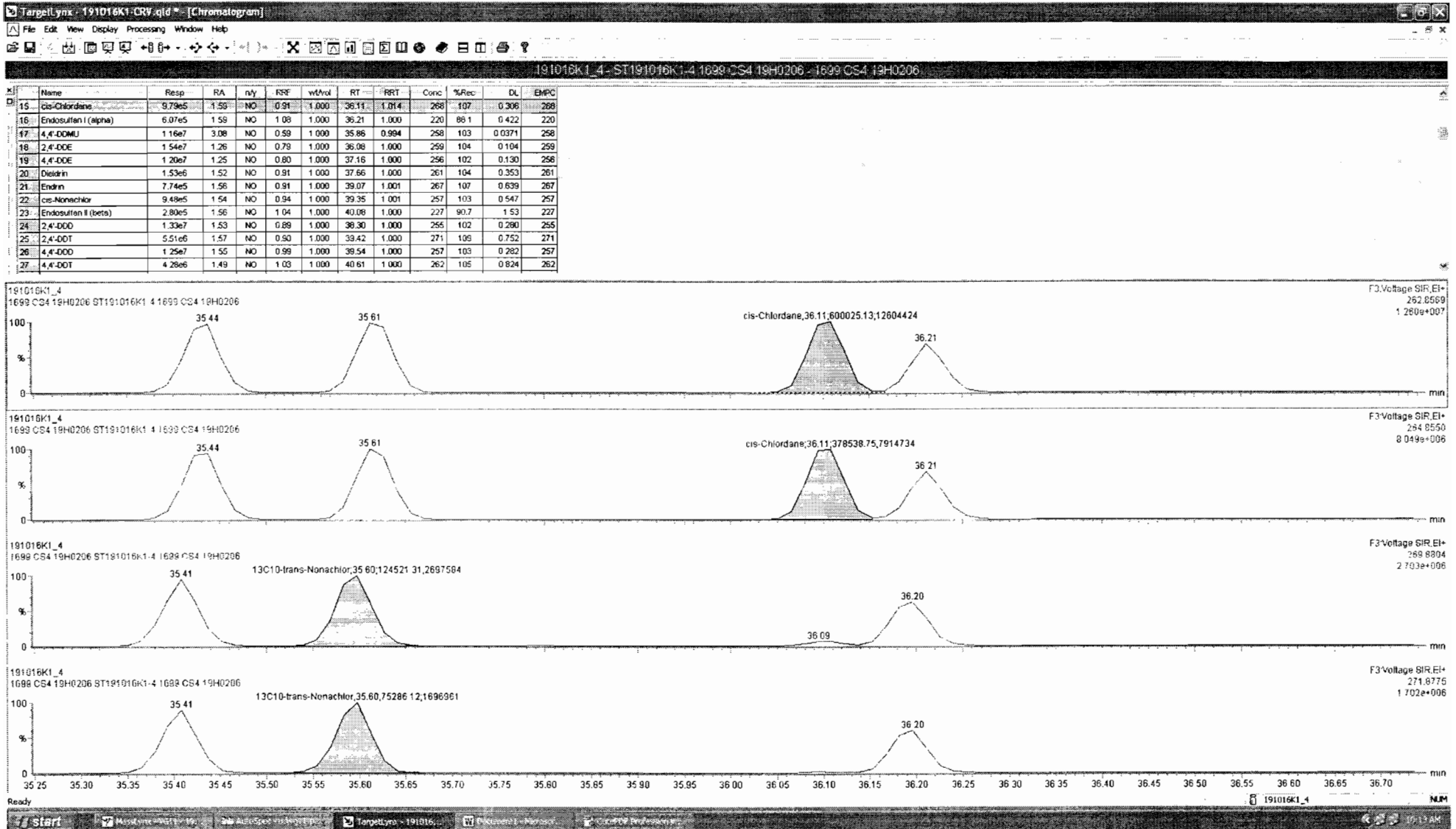
Aldrin-EI

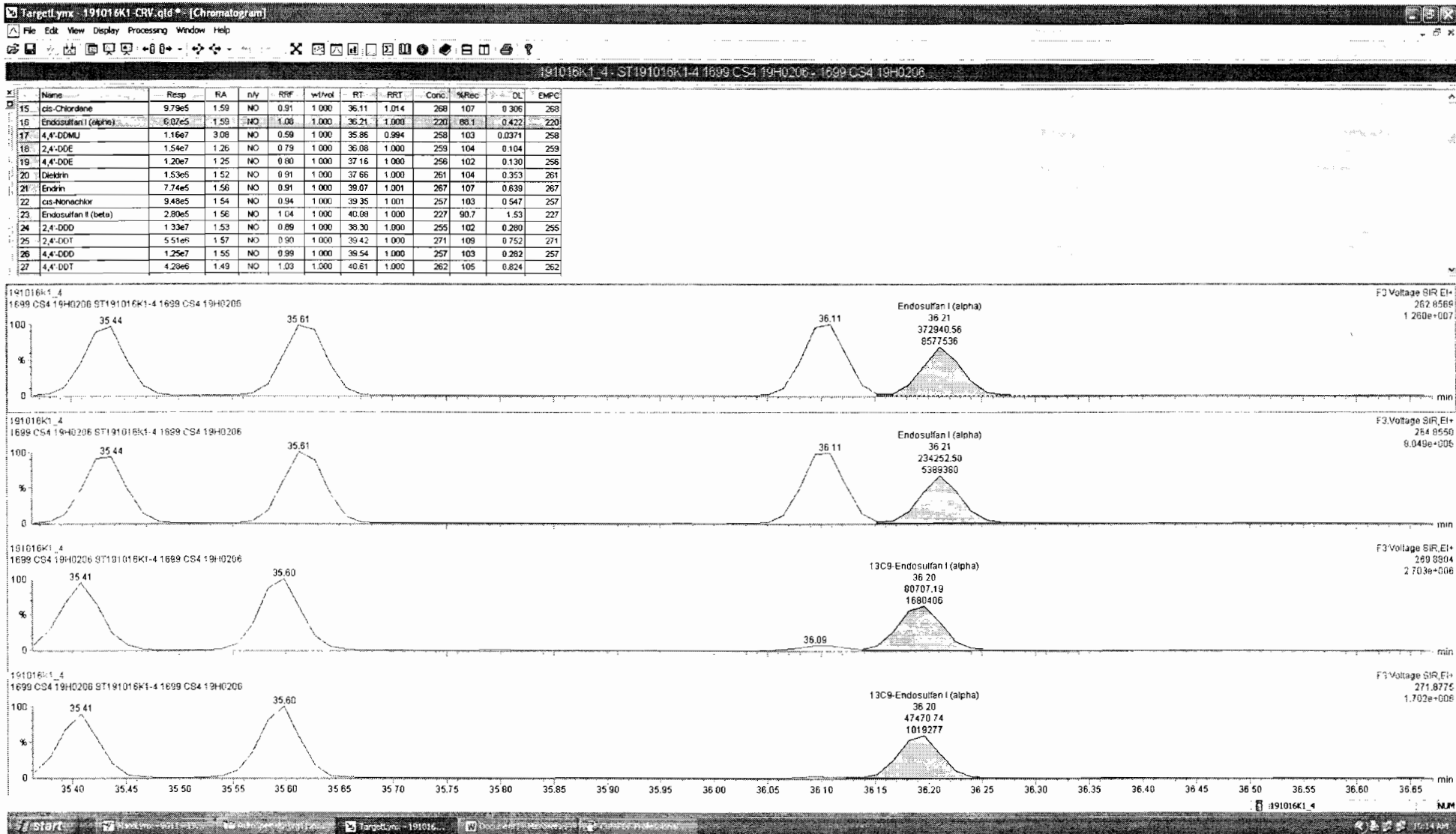


Aldrin-EI-isotopes









Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

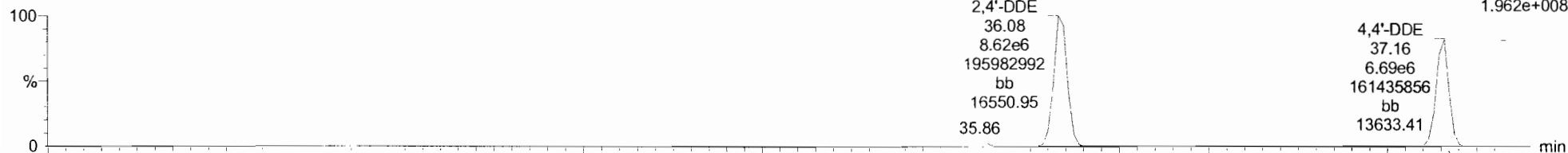
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

DDMU-DDE

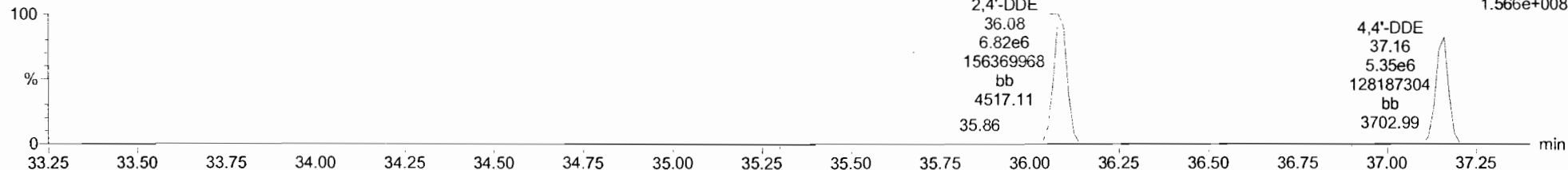
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
246.0003
1.962e+008



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

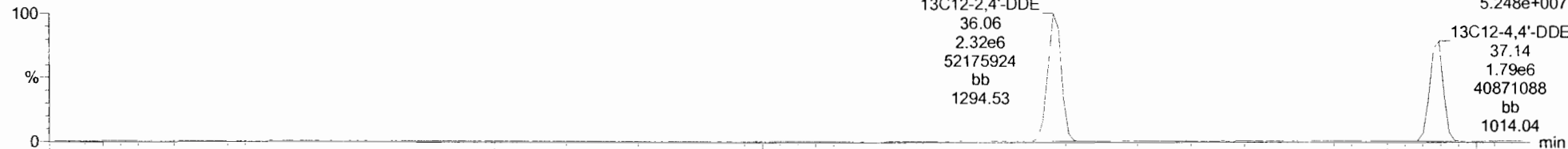
F3:Voltage SIR,EI+
247.9974
1.566e+008



DDE-isotopes

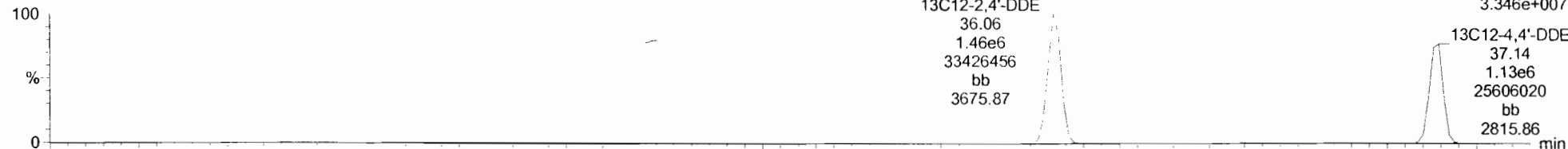
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
258.0406
5.248e+007



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
260.0376
3.346e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

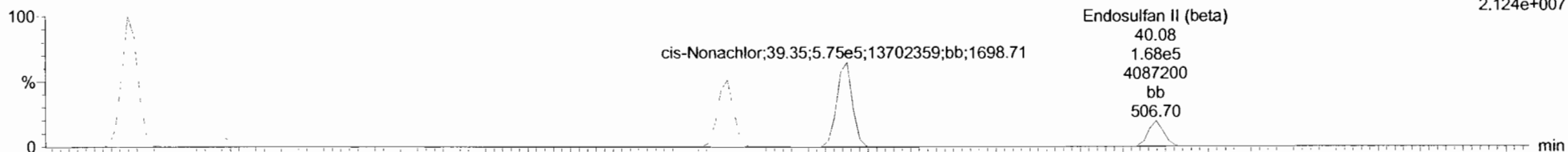
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Dieldrin-EII

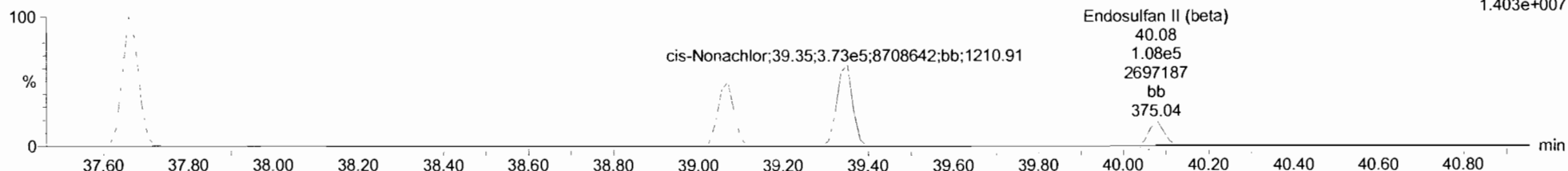
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
262.8569
2.124e+007



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

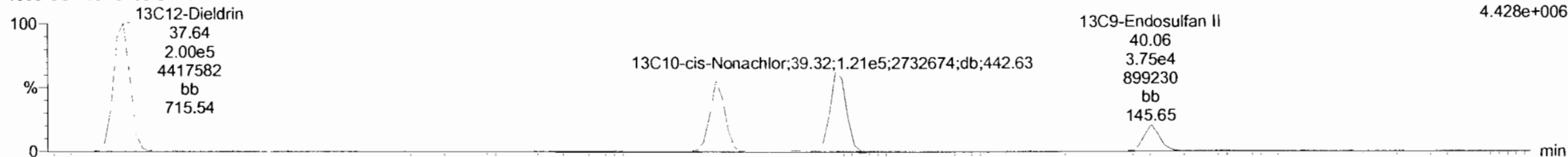
F4:Voltage SIR,EI+
264.8550
1.403e+007



Dieldrin-EII-isotopes

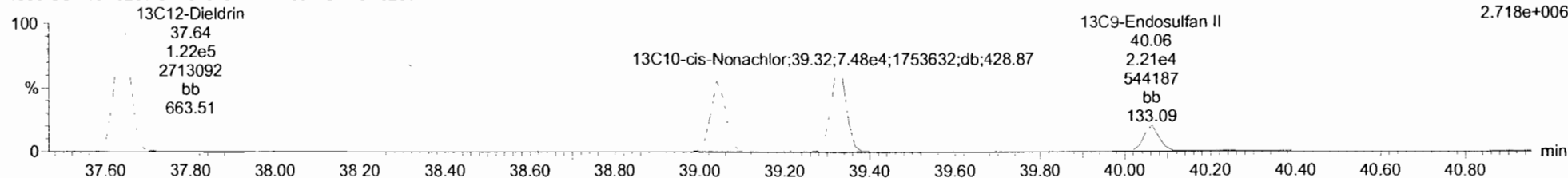
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

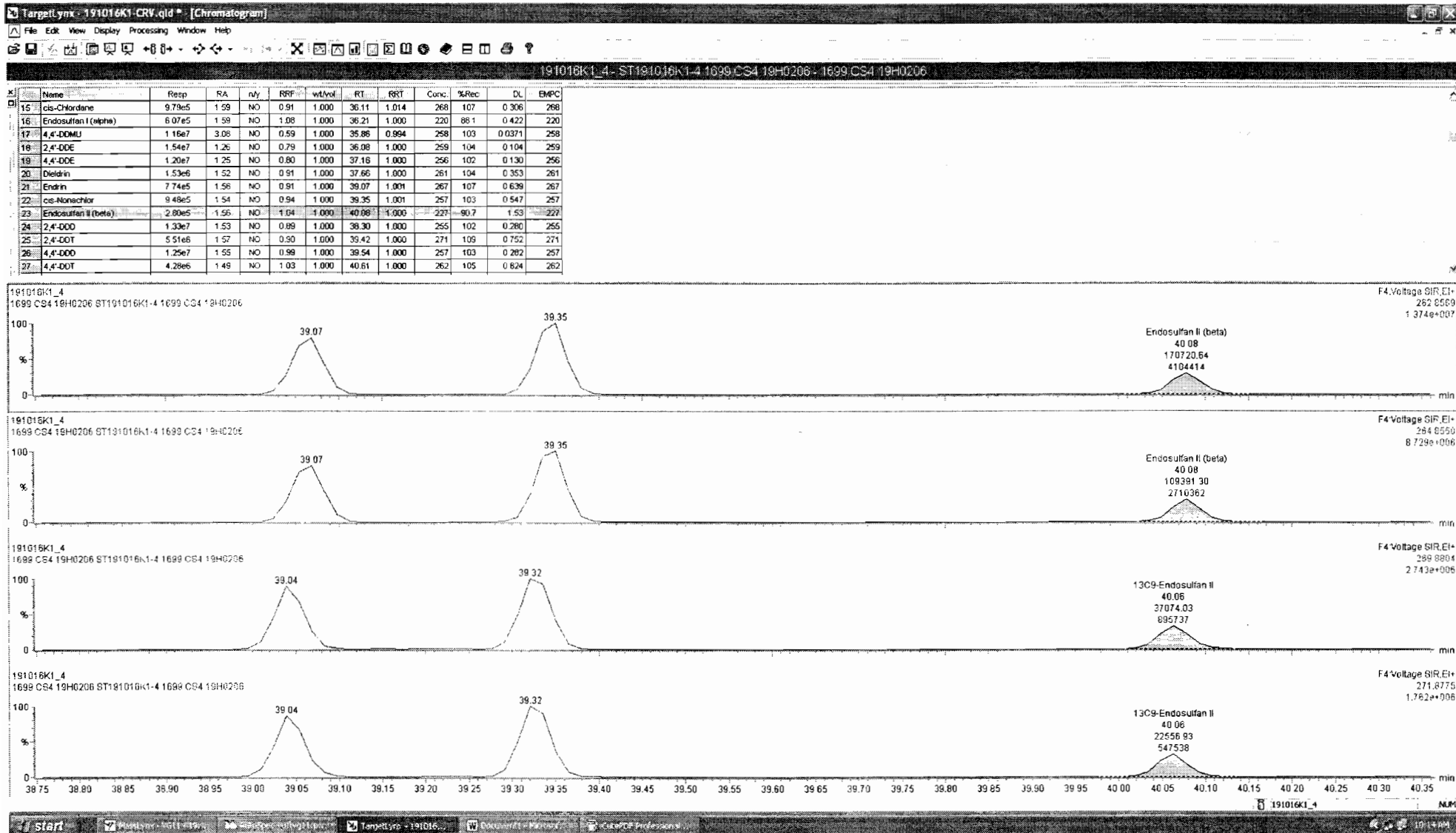
F4:Voltage SIR,EI+
269.8804
4.428e+006



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
271.8775
2.718e+006





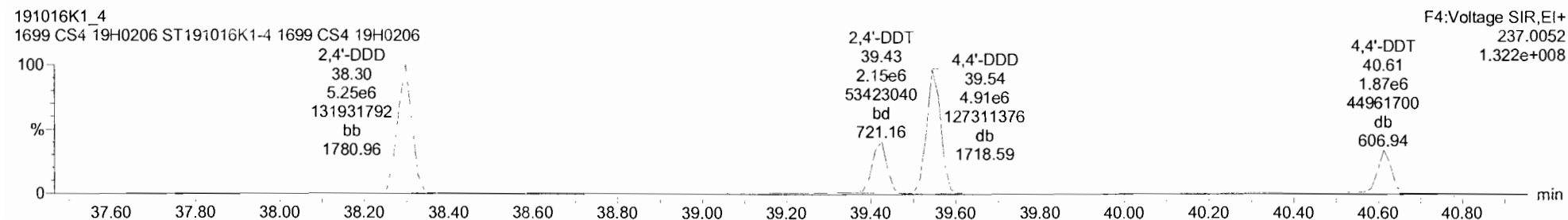
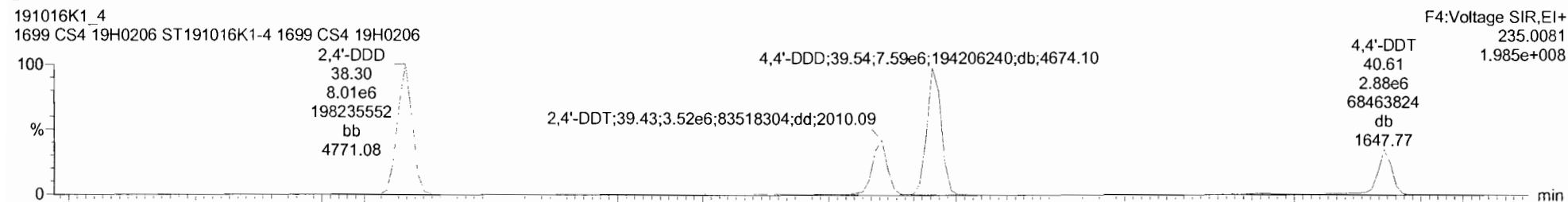
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

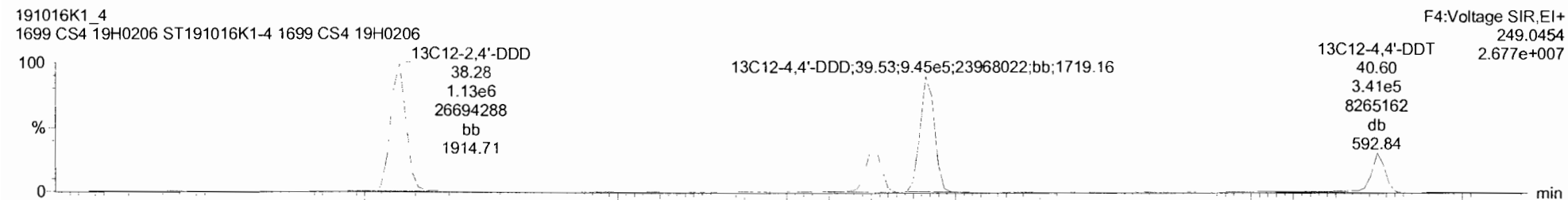
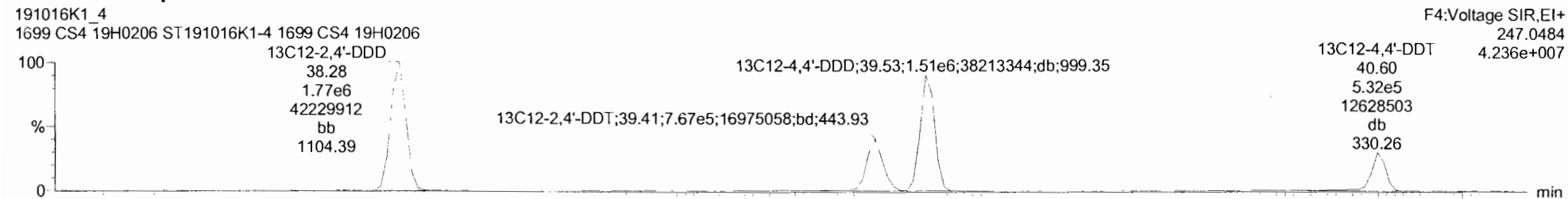
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

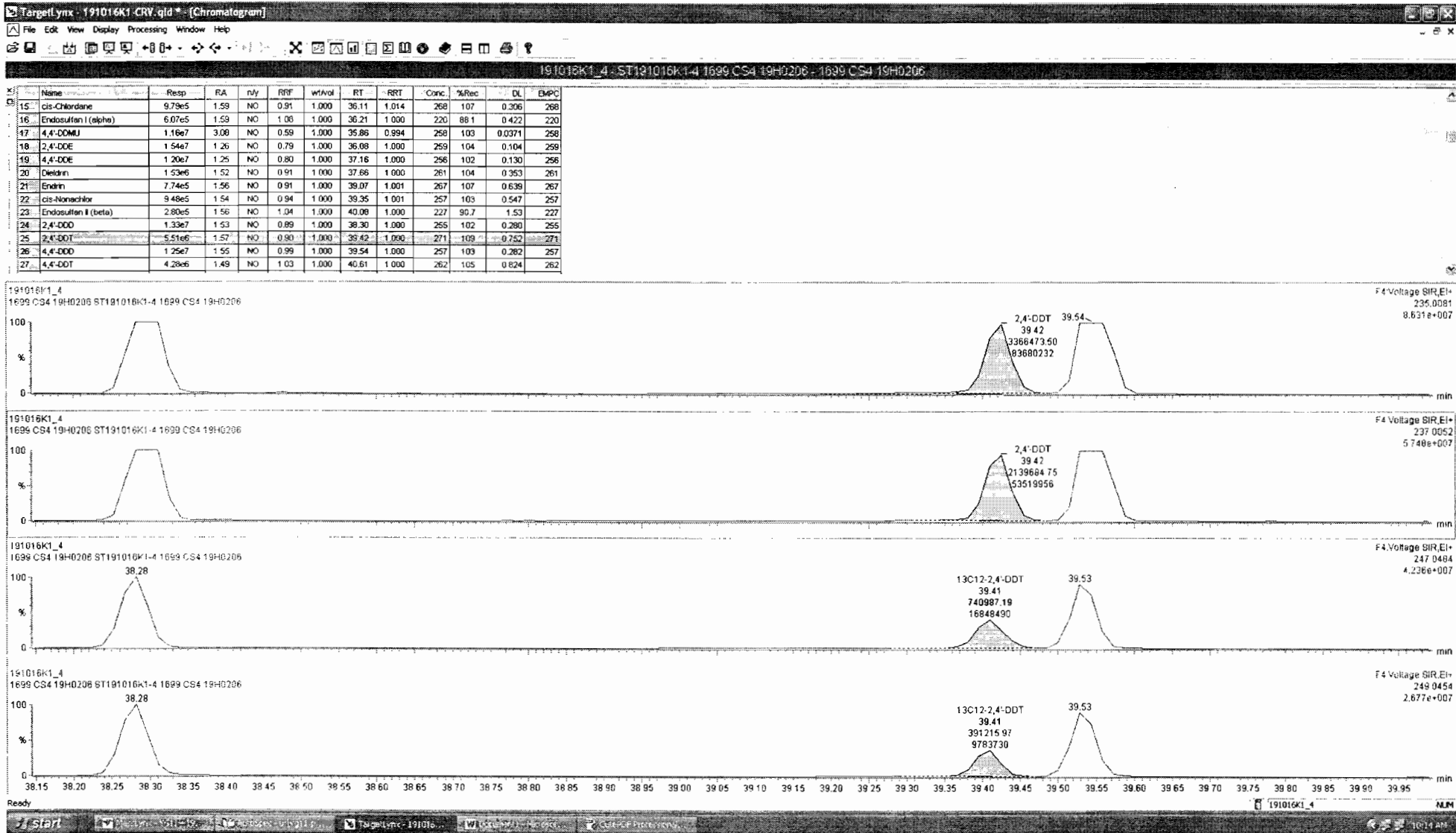
Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

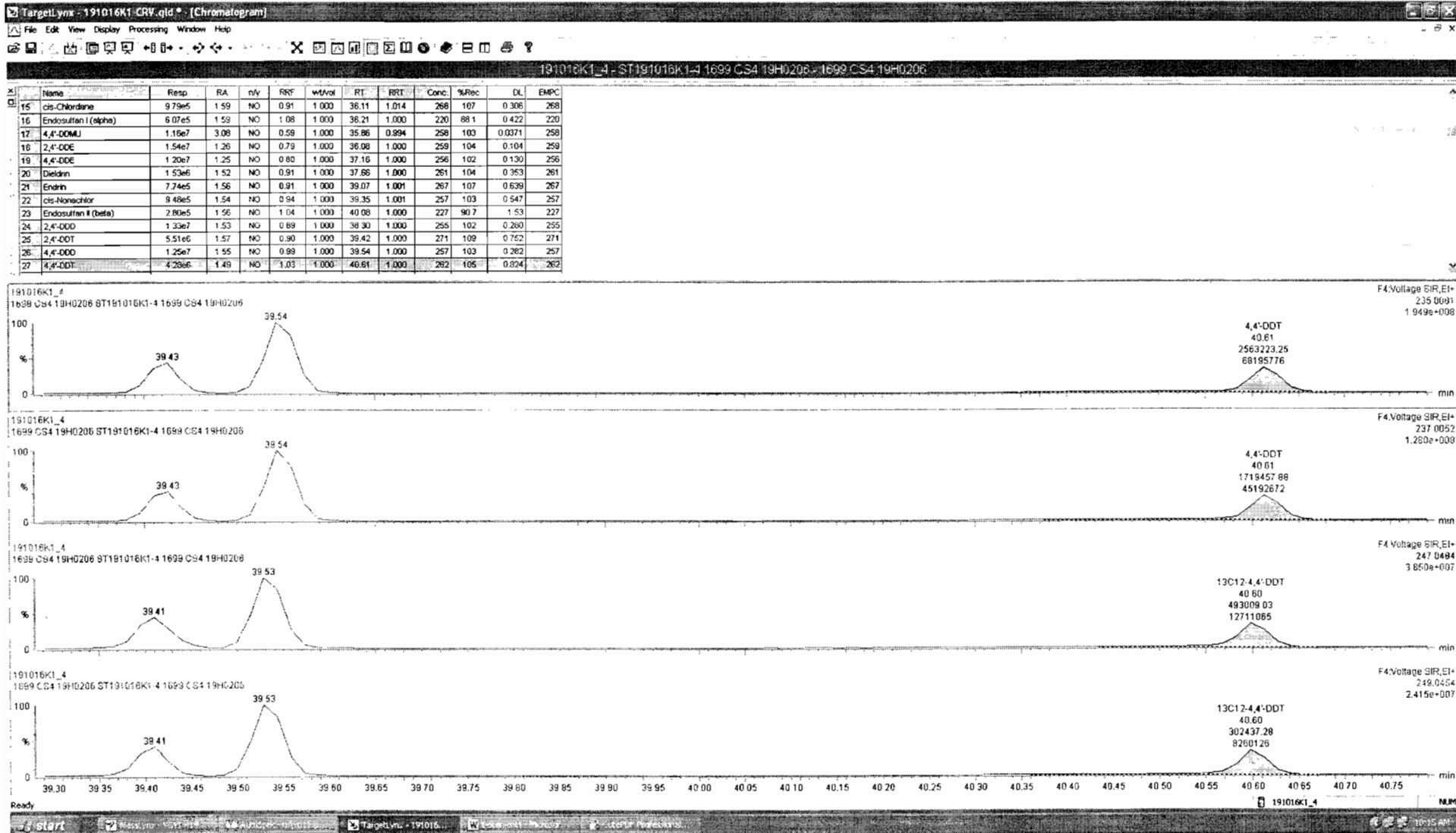
DDD-DDT



DDD-DDT-isotopes







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

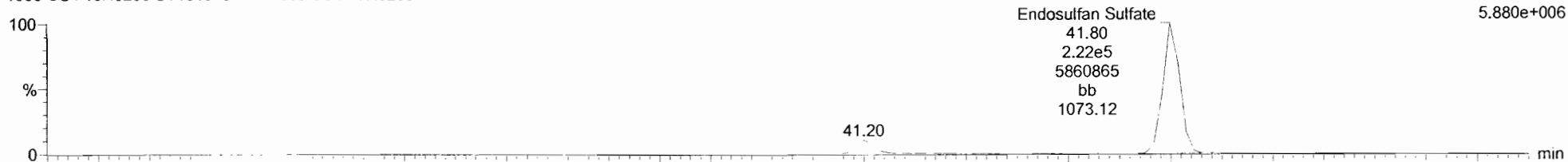
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Endosulfan Sulfate

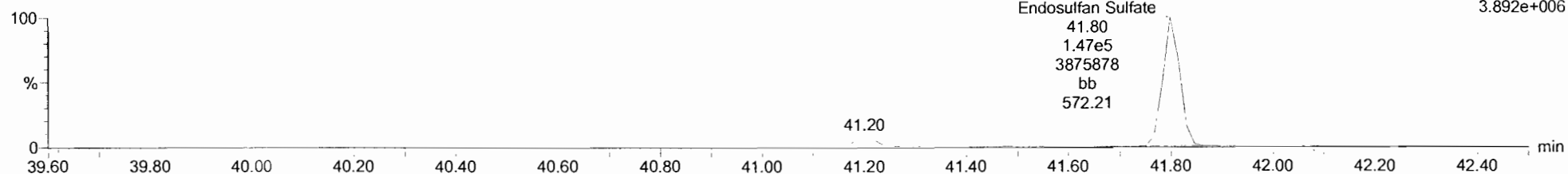
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
262.8569
5.880e+006



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

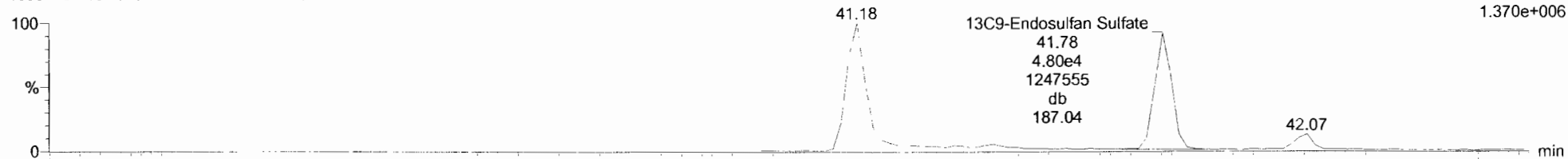
F5:Voltage SIR,EI+
264.8540
3.892e+006



13C9-Endosulfan Sulfate

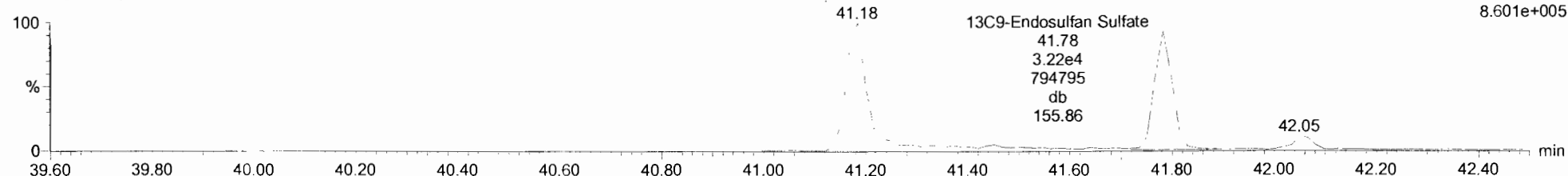
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

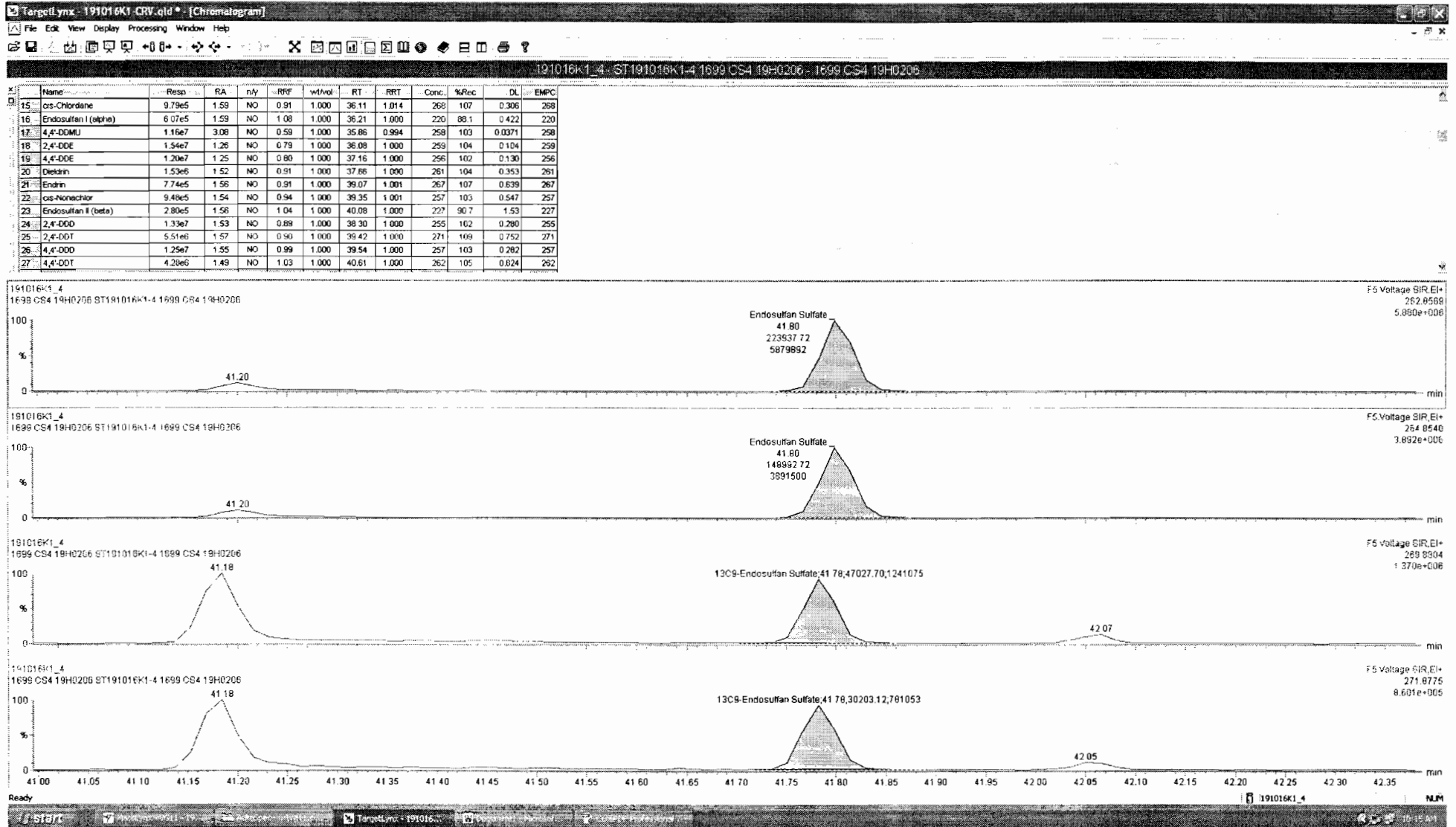
F5:Voltage SIR,EI+
269.8804
1.370e+006



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
271.8775
8.601e+005





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

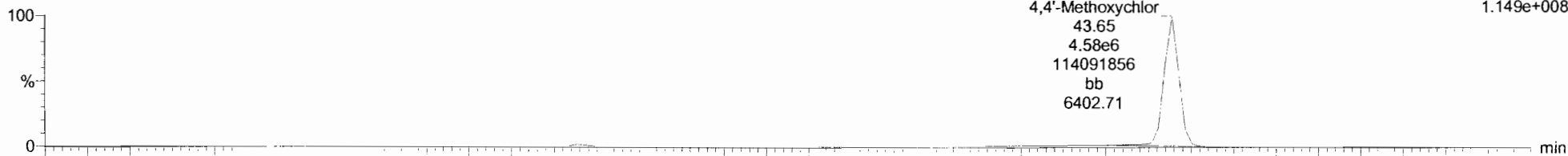
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

4,4'-Methoxychlor

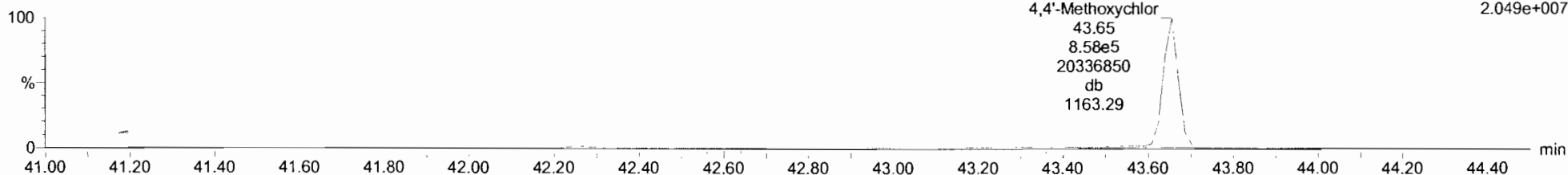
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
227.1072
1.149e+008



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

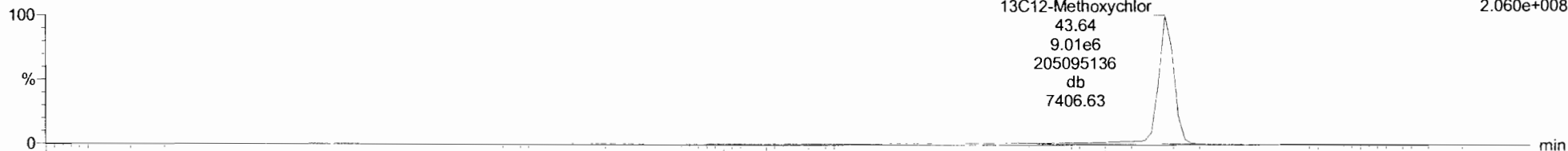
F5:Voltage SIR,EI+
228.1106
2.049e+007



13C12-Methoxychlor

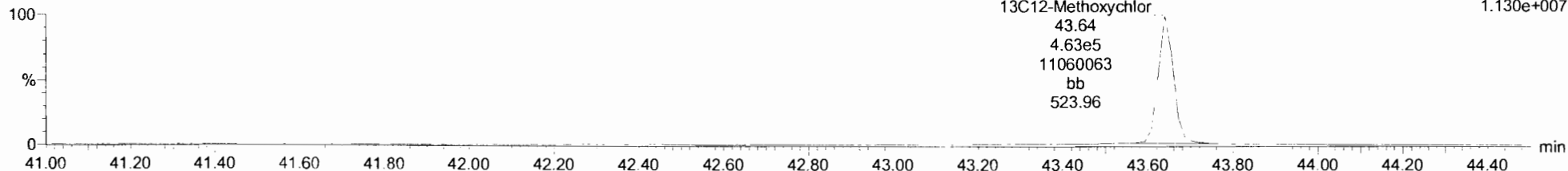
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
239.1475
2.060e+008

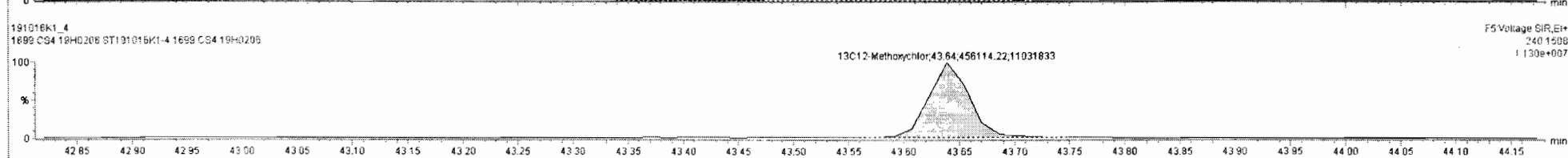
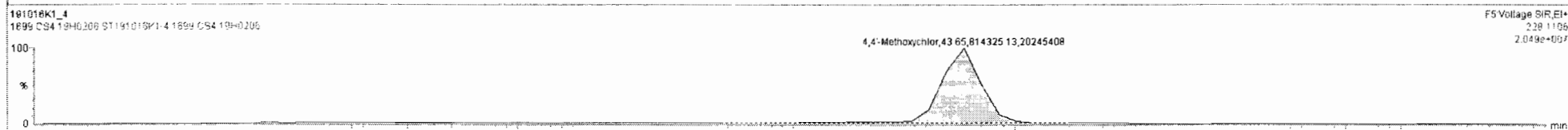
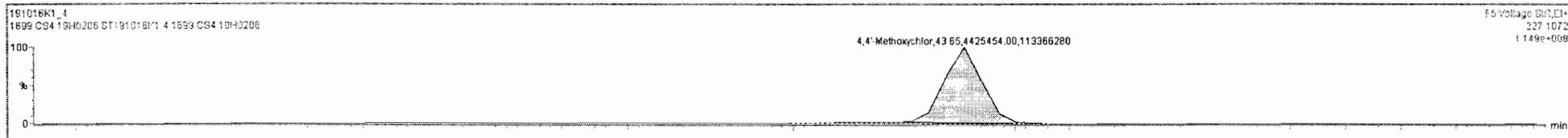


191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
240.1508
1.130e+007



| # | Name | Resp | RA | n/y | RRF | wtVol | RT | FRT | Conc | %Rec | DL | EMPC |
|----|--------------------------|--------|------|-----|------|-------|-------|-------|------|------|---------|------|
| 29 | 4,4'-Methoxychlor | 5.24e6 | 5.43 | NO | 1.14 | 1.000 | 43.65 | 1.000 | 259 | 103 | 0.214 | 259 |
| 30 | Mirex | 3.96e6 | 1.45 | NO | 0.90 | 1.000 | 44.24 | 1.001 | 256 | 103 | 0.145 | 256 |
| 31 | Endrin Aldehyde | 6.26e5 | 0.62 | NO | 0.98 | 1.000 | 41.20 | 1.000 | 258 | 103 | 0.939 | 258 |
| 32 | Endrin Ketone | 4.58e5 | 0.62 | NO | 0.89 | 1.000 | 44.38 | 1.001 | 258 | 103 | 1.43 | 258 |
| 33 | 13C4-Hexachlorobutadiene | 5.10e6 | 1.26 | NO | 0.13 | 1.000 | 10.30 | 0.390 | 476 | 95.3 | 0.0353 | |
| 34 | 13C6-Hexachlorobenzene | 2.75e6 | 1.27 | NO | 0.70 | 1.000 | 23.02 | 0.873 | 49.3 | 99.7 | 0.00620 | |
| 35 | 13C6-Alpha-BHC | 1.02e6 | 0.79 | NO | 0.26 | 1.000 | 23.56 | 0.893 | 46.8 | 97.6 | 0.166 | |
| 36 | 13C6-Lindane (gamma) | 7.93e5 | 0.80 | NO | 0.20 | 1.000 | 26.87 | 1.019 | 48.5 | 97.0 | 0.213 | |
| 37 | 13C6-Beta-BHC | 6.37e5 | 0.76 | NO | 0.17 | 1.000 | 28.91 | 1.096 | 47.5 | 95.0 | 0.260 | |
| 38 | 13C6-Delta-BHC | 7.34e5 | 0.78 | NO | 0.19 | 1.000 | 30.58 | 1.160 | 48.2 | 96.4 | 0.229 | |
| 39 | 13C10-Heptachlor | 2.71e5 | 1.29 | NO | 0.07 | 1.000 | 29.02 | 1.100 | 45.1 | 90.3 | 0.115 | |
| 40 | 13C12-Aldrin | 6.04e5 | 1.67 | NO | 0.16 | 1.000 | 31.13 | 1.181 | 47.1 | 94.3 | 0.116 | |
| 41 | 13C10-Oxychlorane | 1.64e5 | 1.64 | NO | 0.04 | 1.000 | 33.72 | 1.278 | 47.1 | 94.2 | 0.427 | |



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

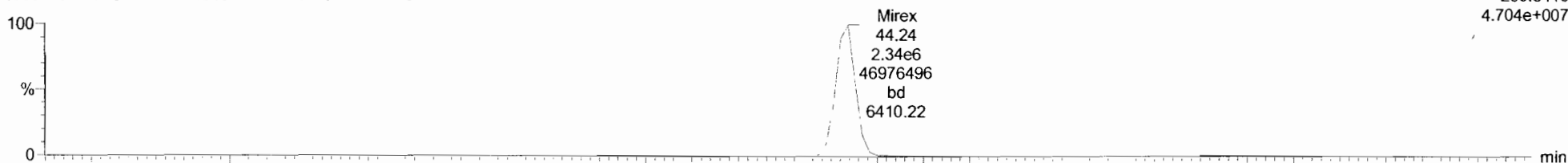
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Mirex

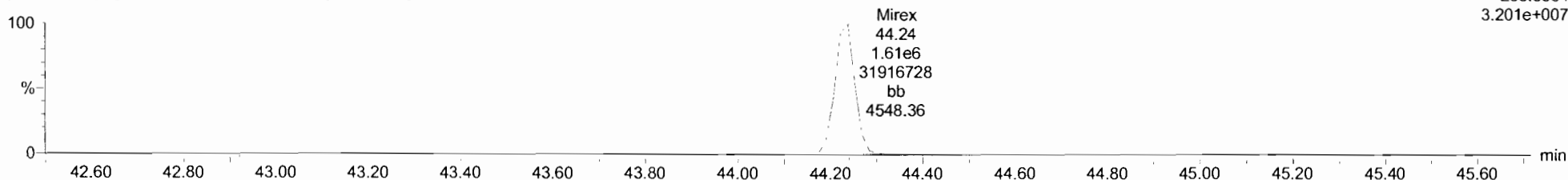
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
236.8413
4.704e+007



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

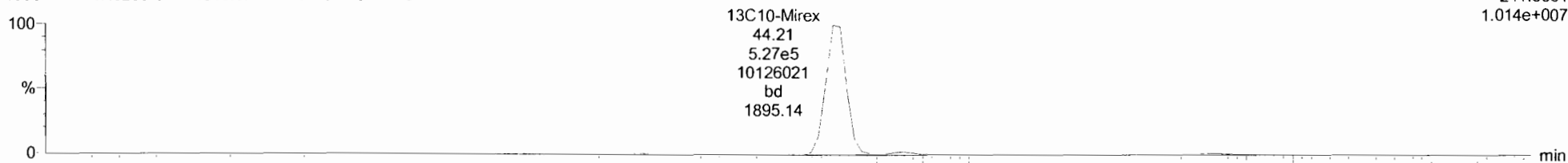
F5:Voltage SIR,EI+
238.8384
3.201e+007



13C10-Mirex

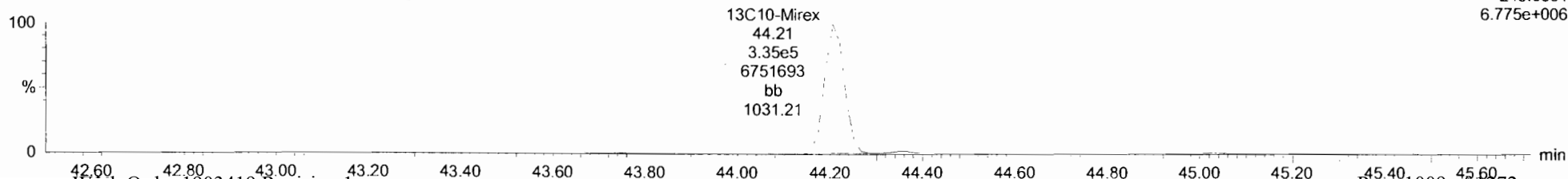
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

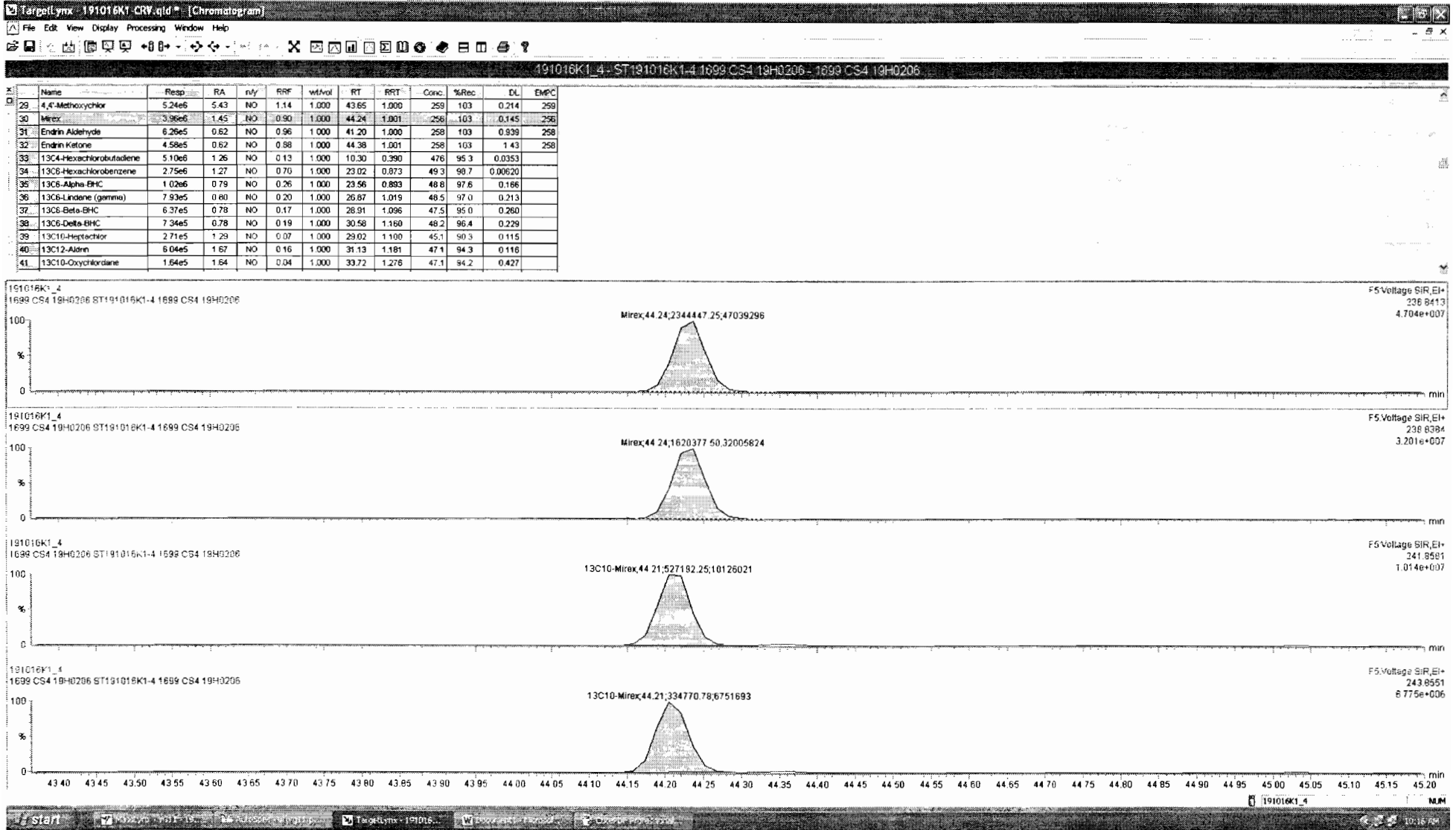
F5:Voltage SIR,EI+
241.8581
1.014e+007



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
243.8551
6.775e+006





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

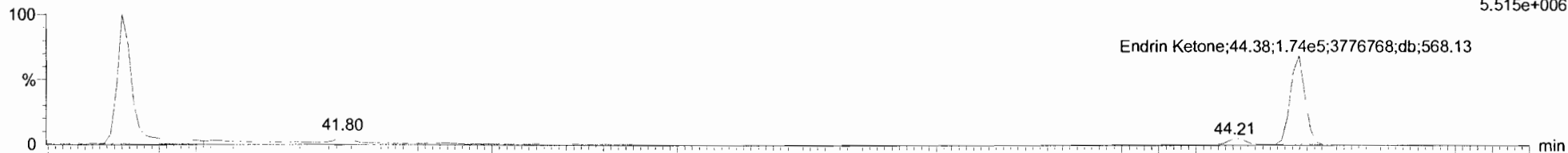
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

EA-EK

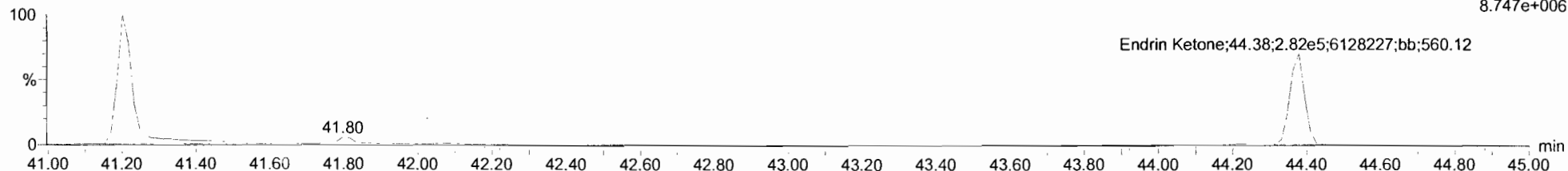
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
247.8521
5.515e+006



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

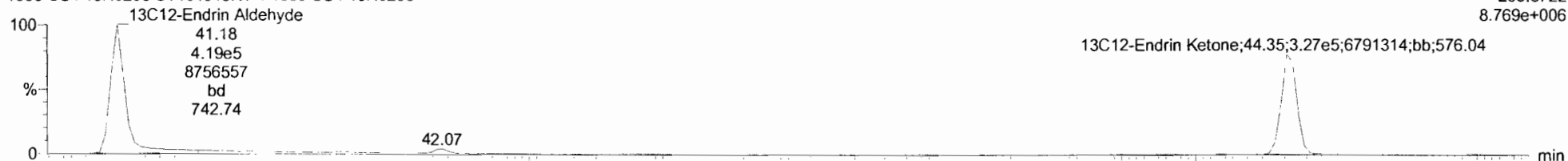
F5:Voltage SIR,EI+
249.8491
8.747e+006



EA-EK-isotopes

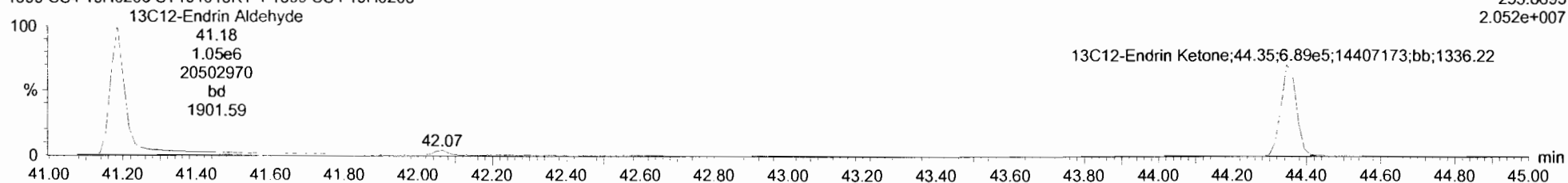
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

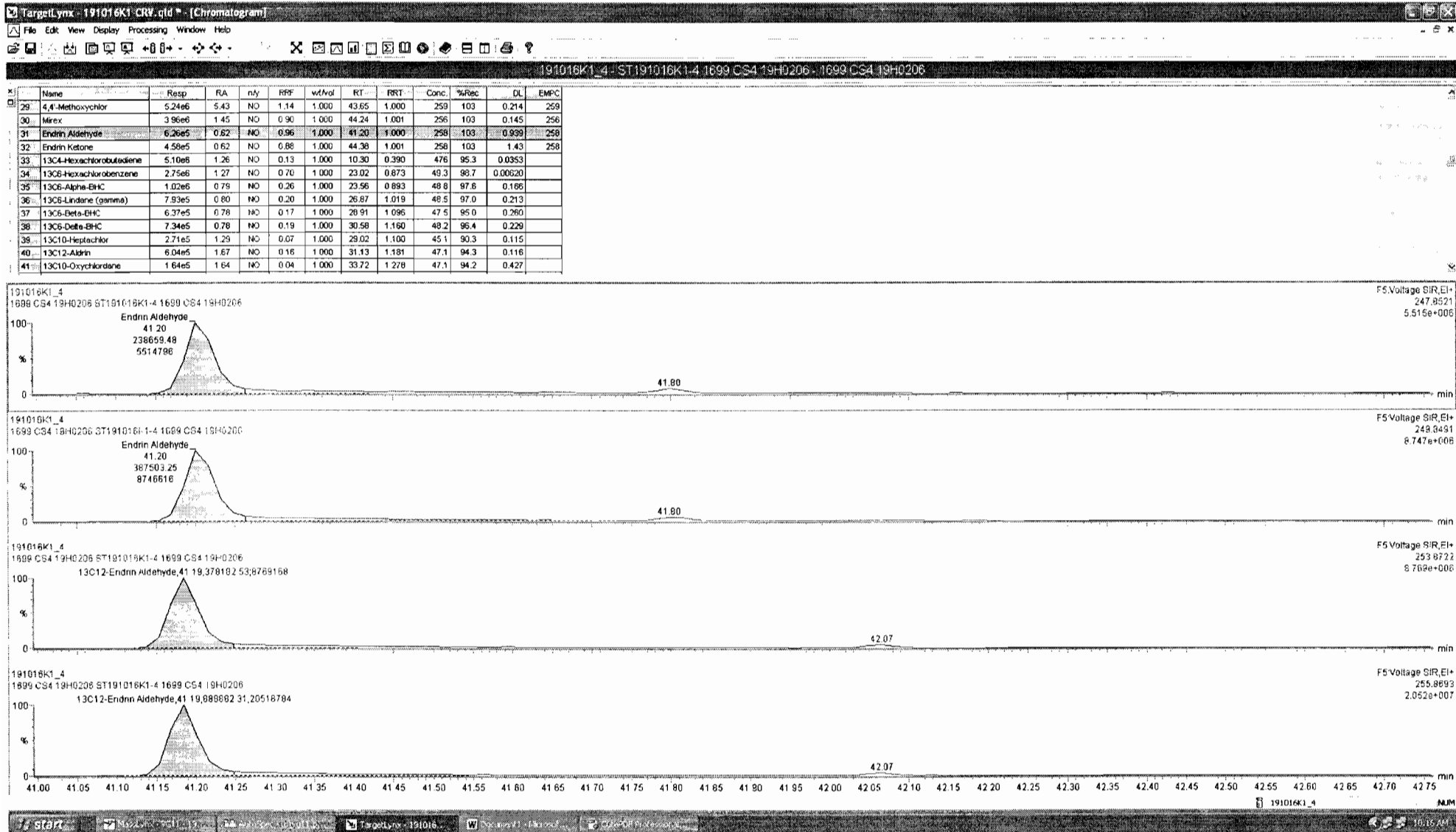
F5:Voltage SIR,EI+
253.8722
8.769e+006

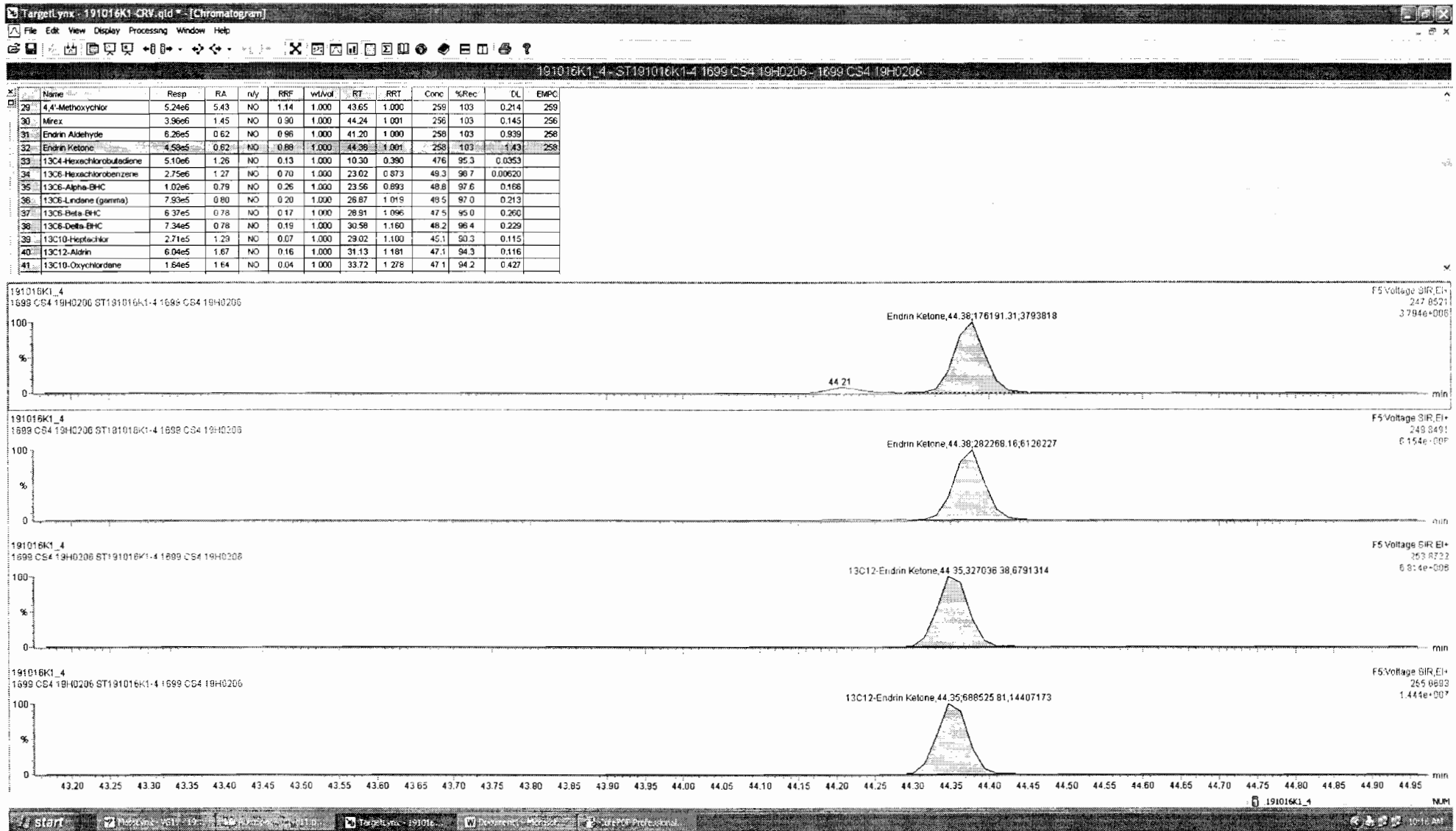


191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
255.8693
2.052e+007







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

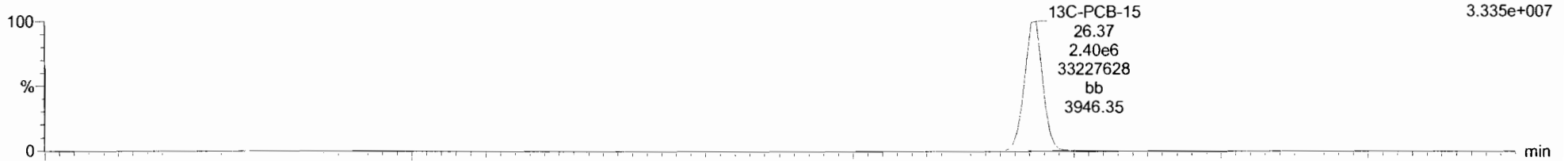
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

13C-PCB-15

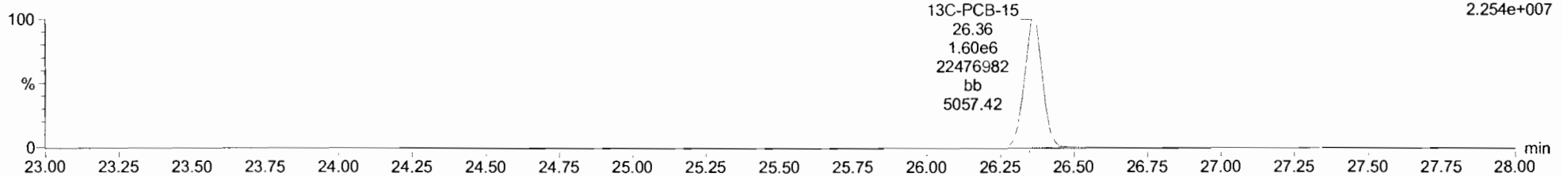
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
234.0406
3.335e+007



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
236.0376
2.254e+007



13C-PCB-60

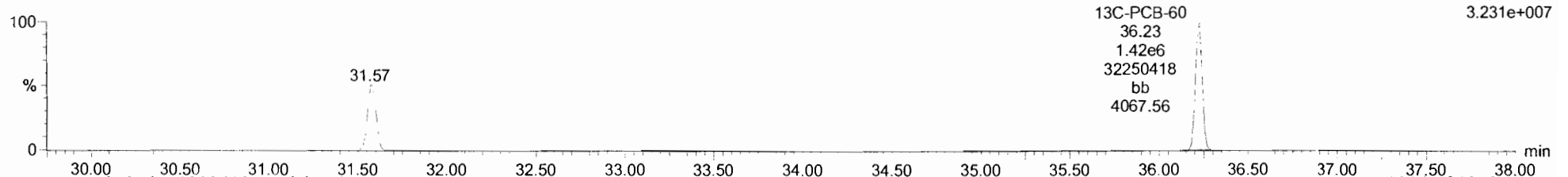
191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
301.9626
2.291e+007



191016K1_4
1699 CS4 19H0206 ST191016K1-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
303.9597
3.231e+007



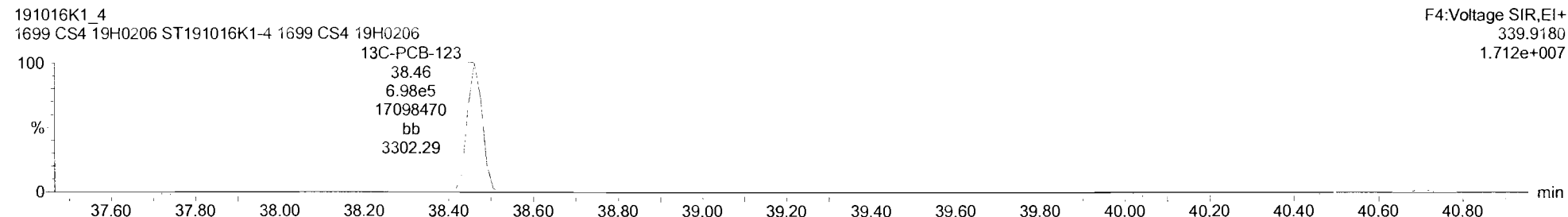
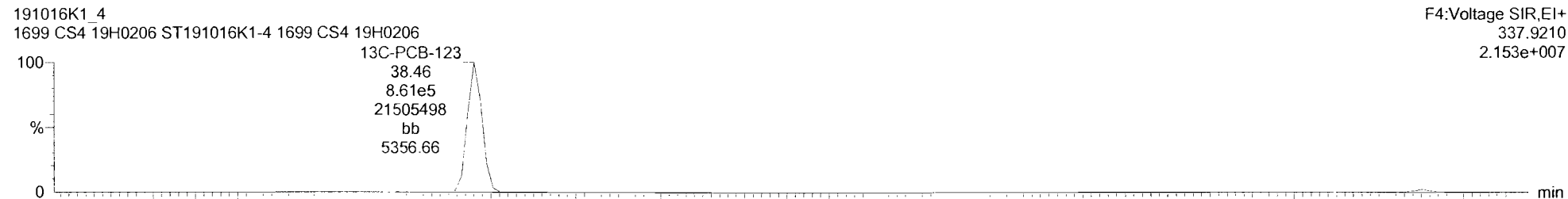
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

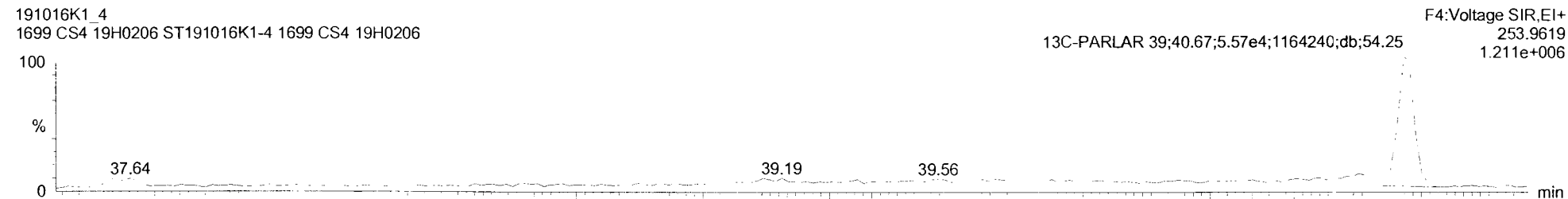
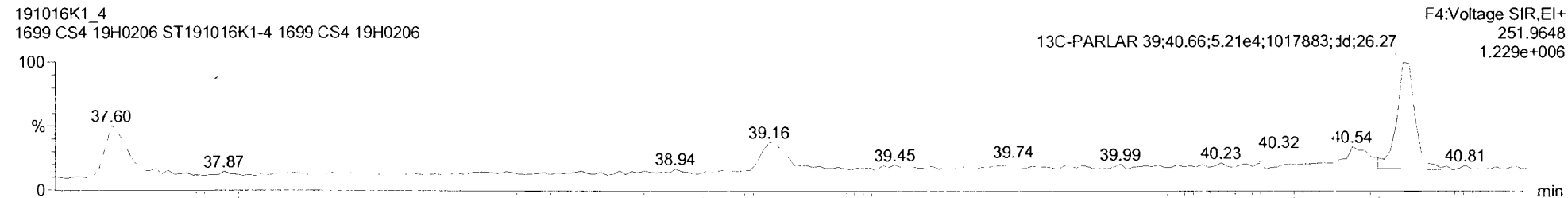
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

13C-PCB-123



13C-PARLAR 39



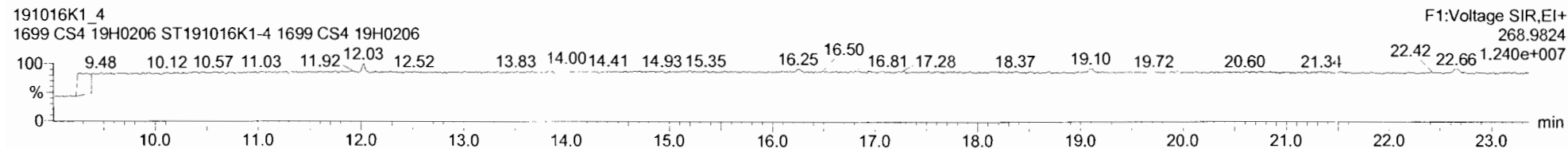
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

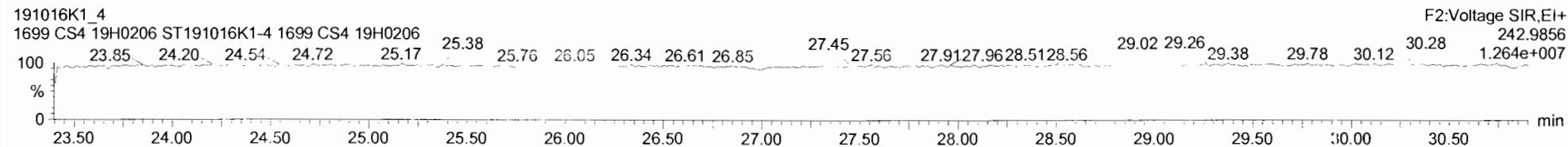
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_4, Date: 16-Oct-2019, Time: 17:57:16, ID: ST191016K1-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

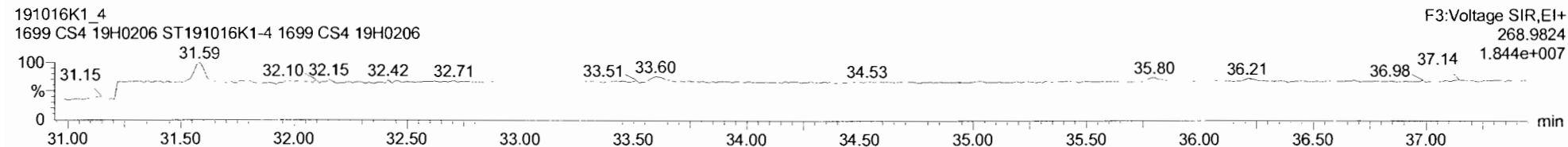
PFK1



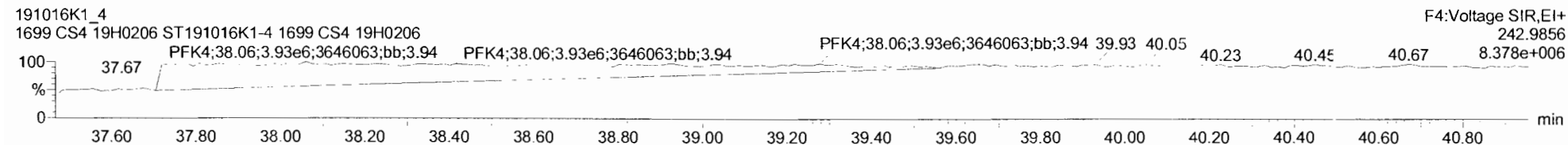
PFK2



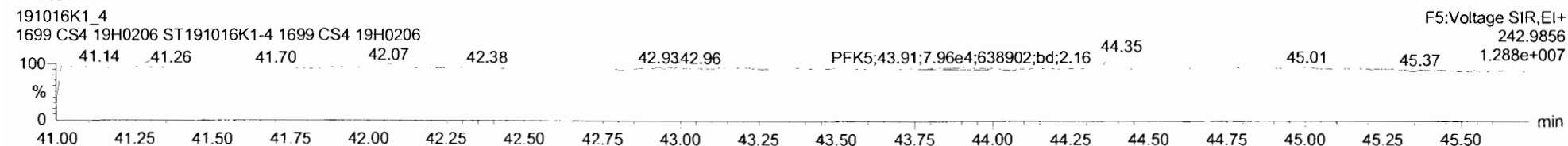
PFK3



PFK4



PFK5



Dataset: Untitled

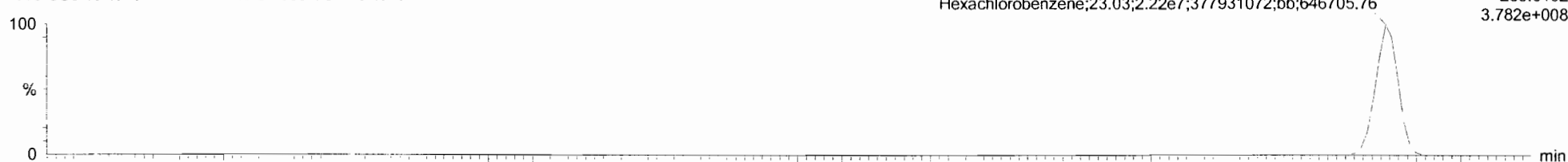
Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

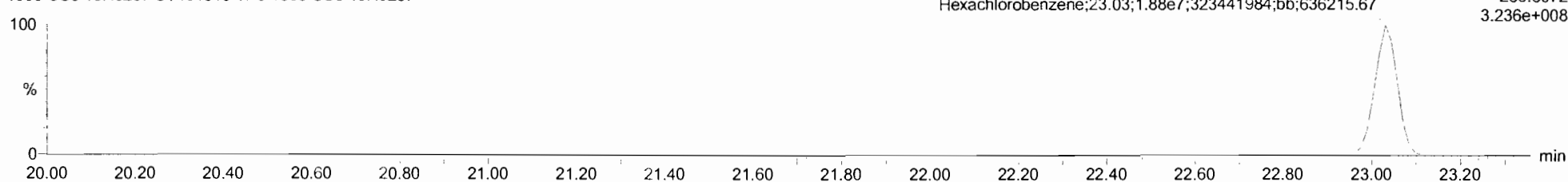
Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Hexachlorobenzene

191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

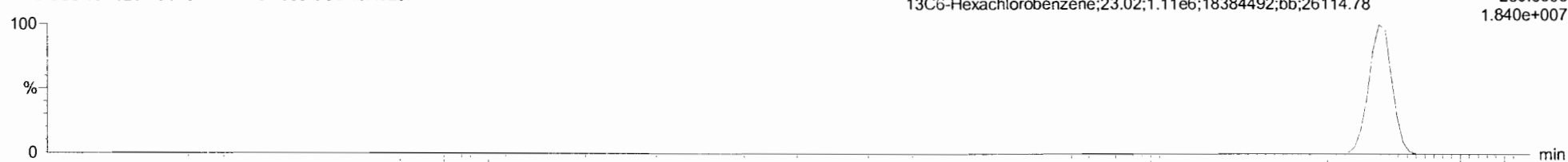


191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

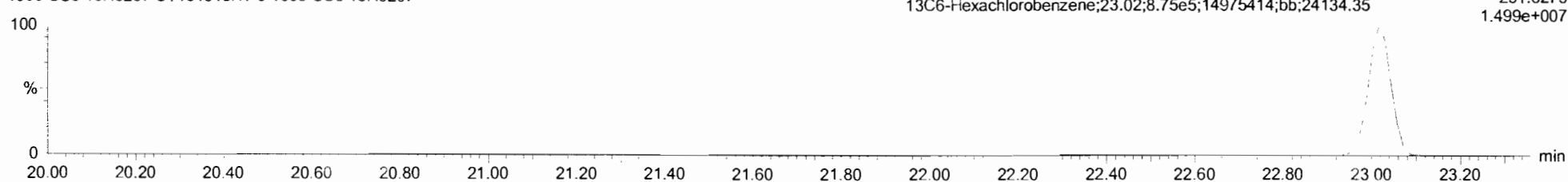


13C6-Hexachlorobenzene

191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207



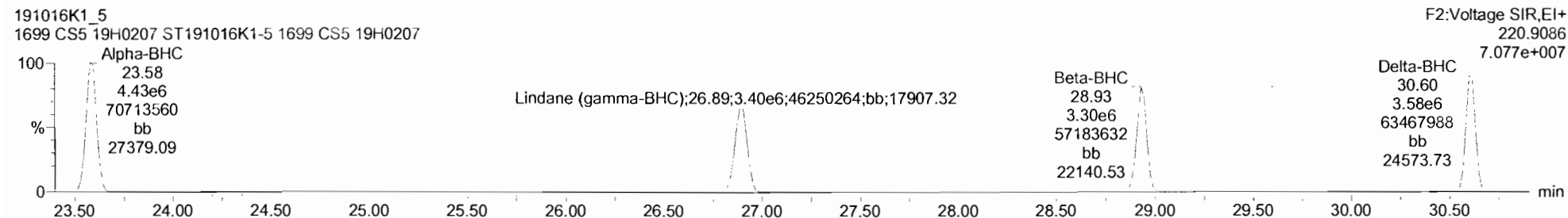
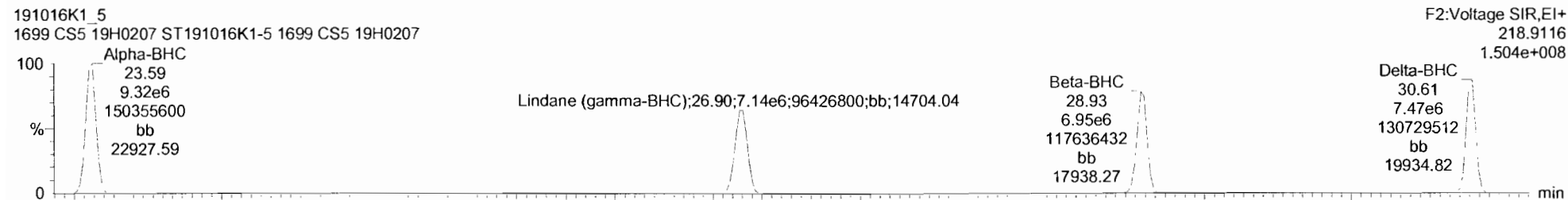
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

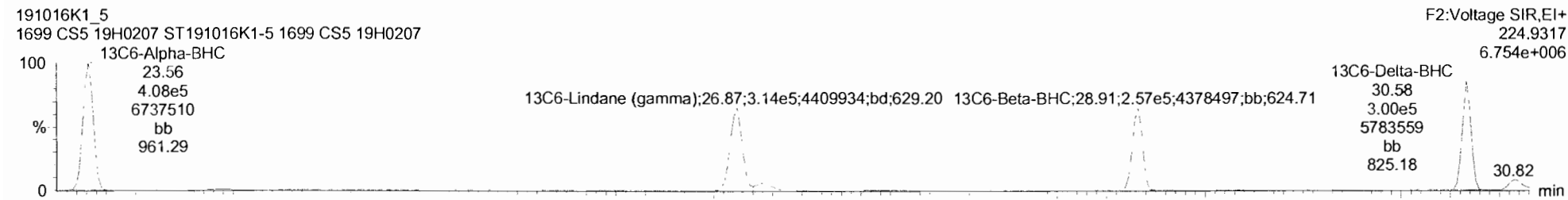
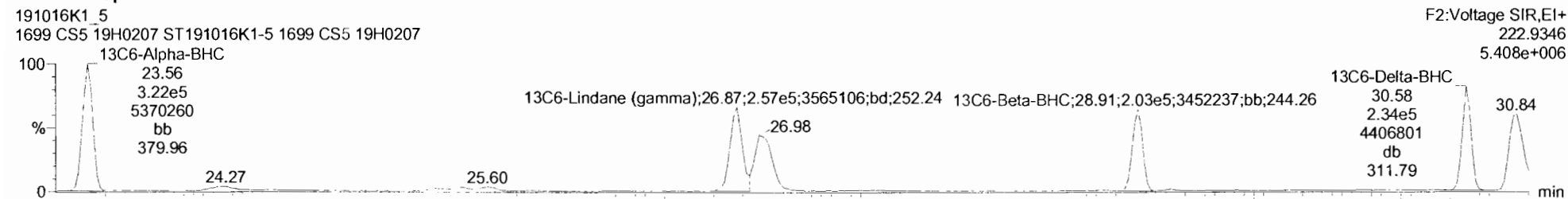
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

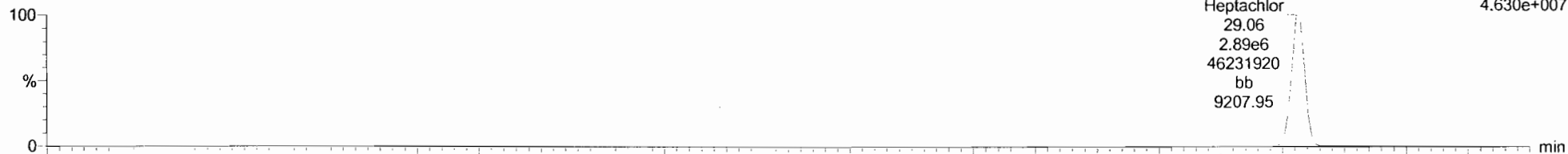
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Heptachlor

191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

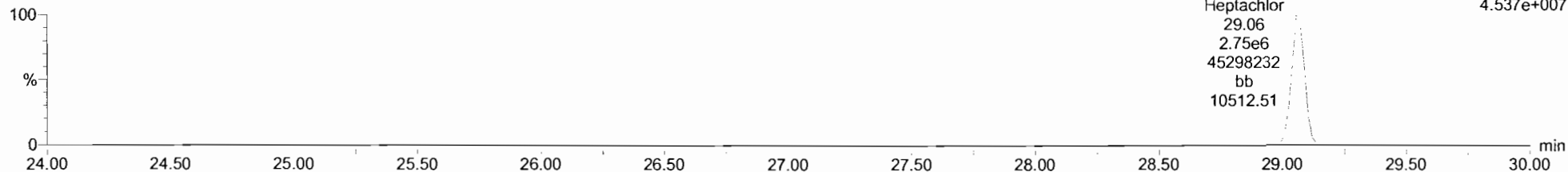
F2:Voltage SIR,EI+
271.8102
4.630e+007



Heptachlor
29.06
2.89e6
46231920
bb
9207.95

191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F2:Voltage SIR,EI+
273.8072
4.537e+007

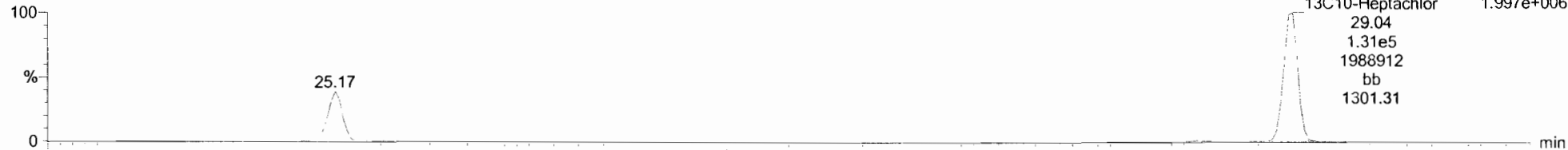


Heptachlor
29.06
2.75e6
45298232
bb
10512.51

13C10-Heptachlor

191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

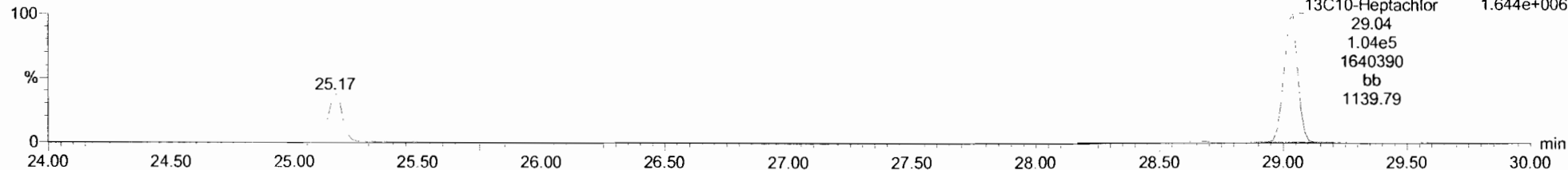
F2:Voltage SIR,EI+
276.8269
1.997e+006



13C10-Heptachlor
29.04
1.31e5
1988912
bb
1301.31

191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F2:Voltage SIR,EI+
278.8240
1.644e+006



13C10-Heptachlor
29.04
1.04e5
1640390
bb
1139.79

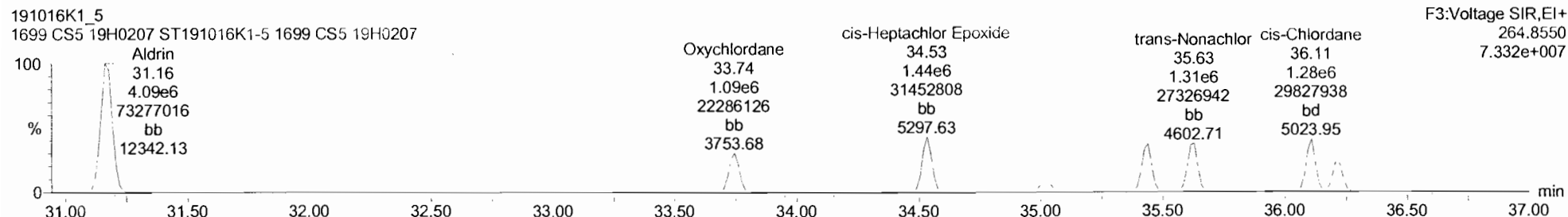
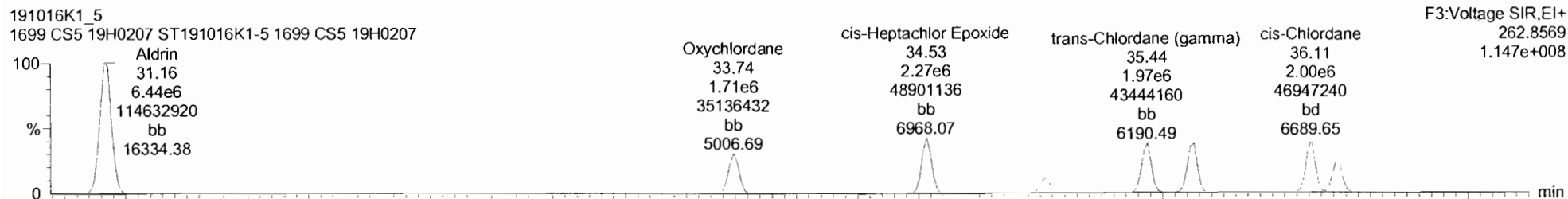
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

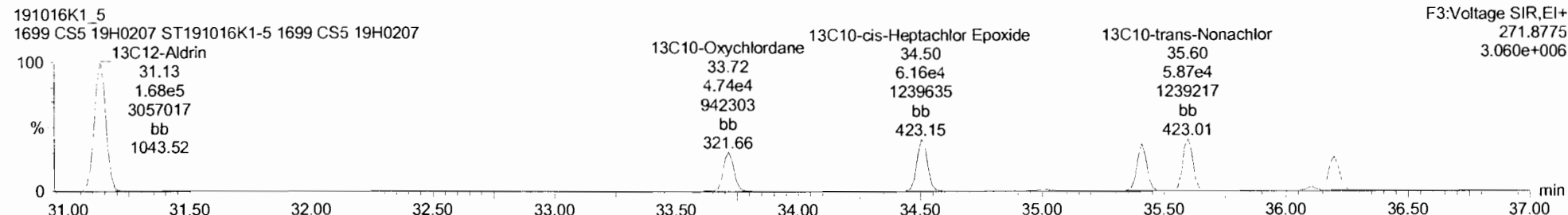
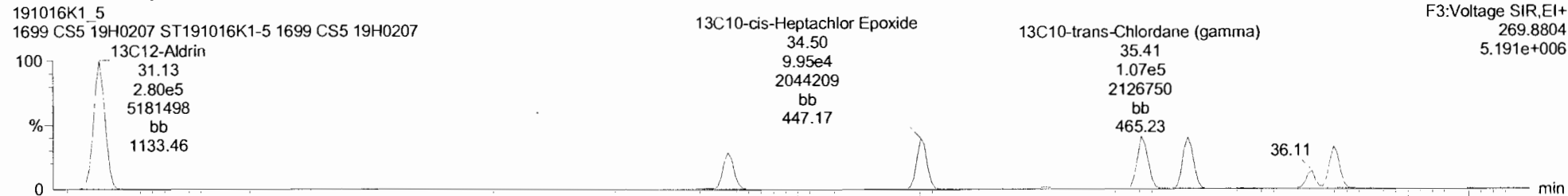
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

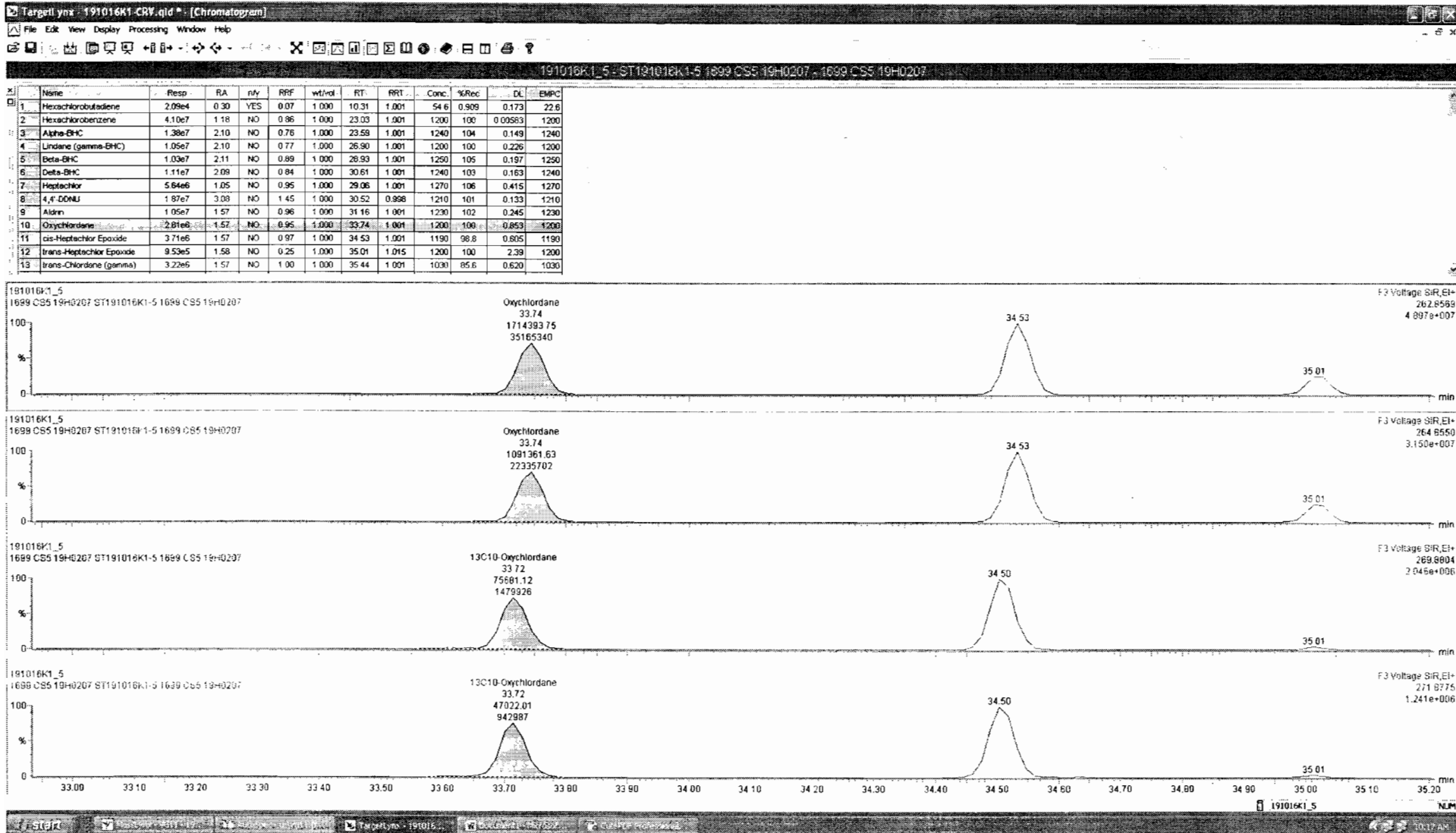
Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Aldrin-EI



Aldrin-EI-isotopes





Dataset: Untitled

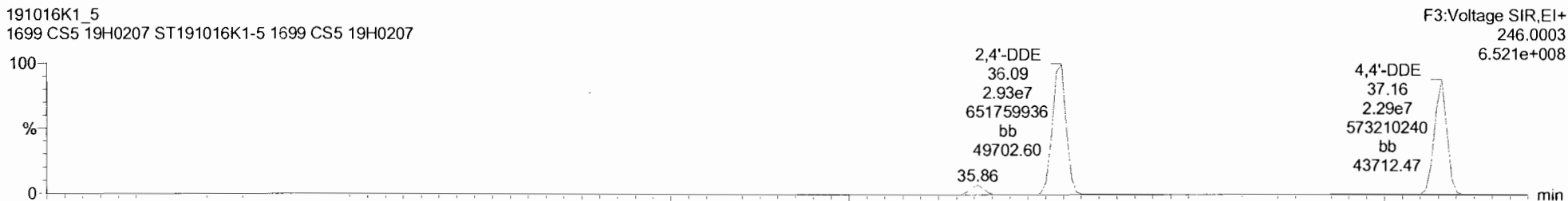
Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

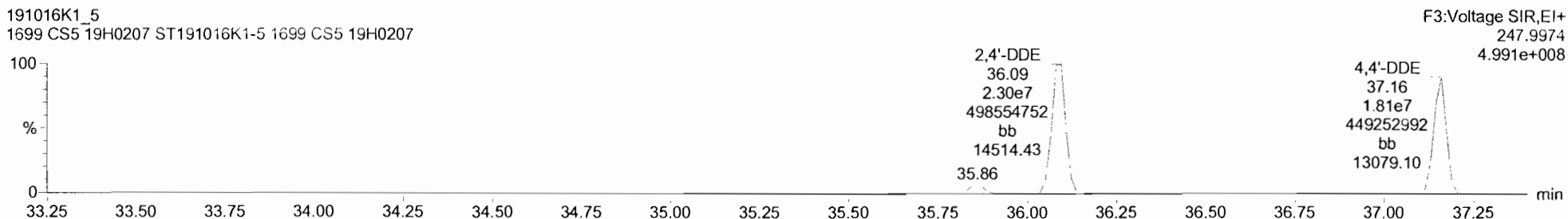
Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

DDMU-DDE

191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

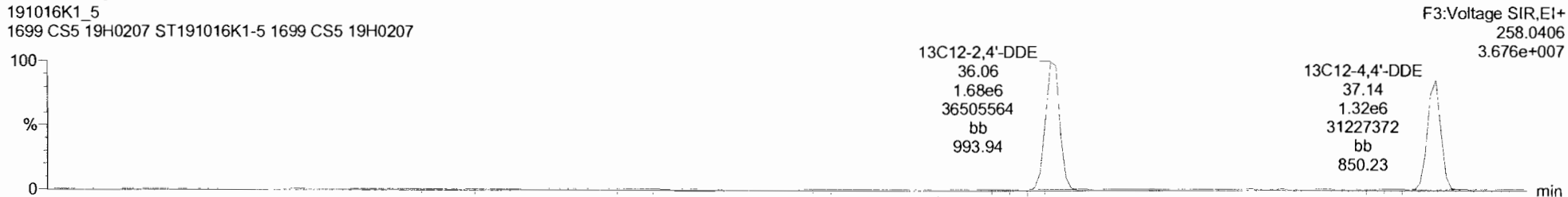


191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

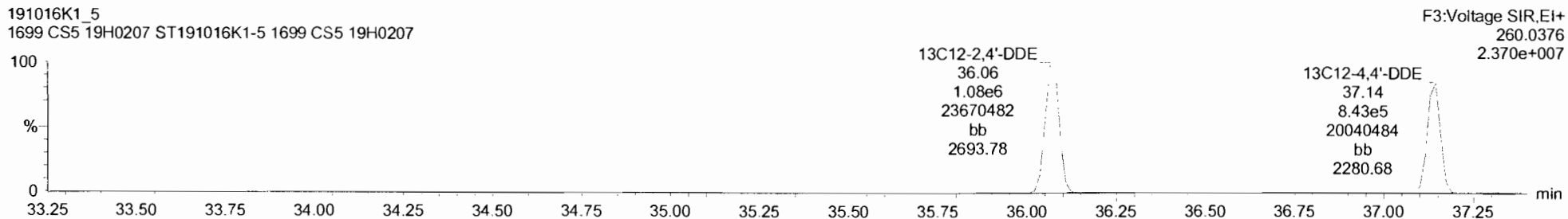


DDE-isotopes

191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

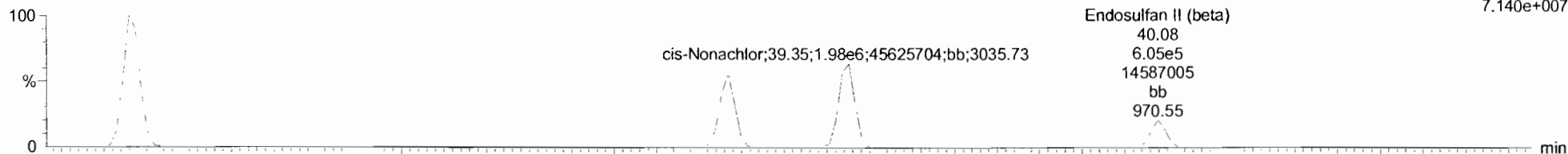
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Dieldrin-EII

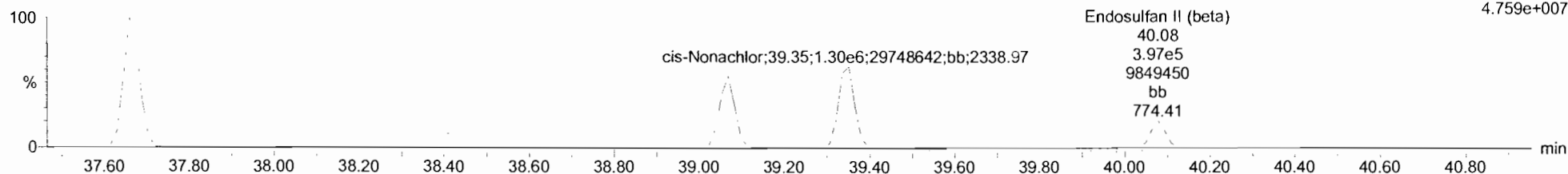
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F4:Voltage SIR,EI+
262.8569
7.140e+007



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

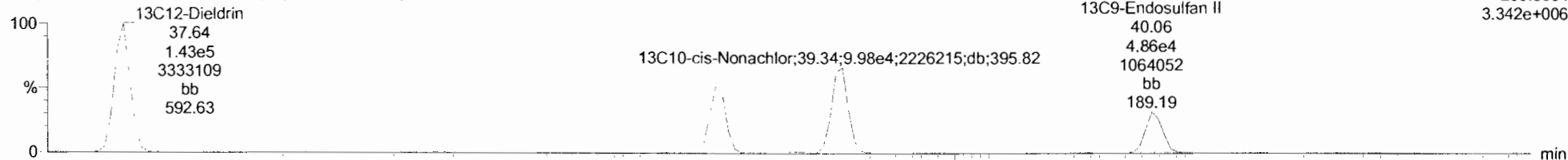
F4:Voltage SIR,EI+
264.8550
4.759e+007



Dieldrin-EII-isotopes

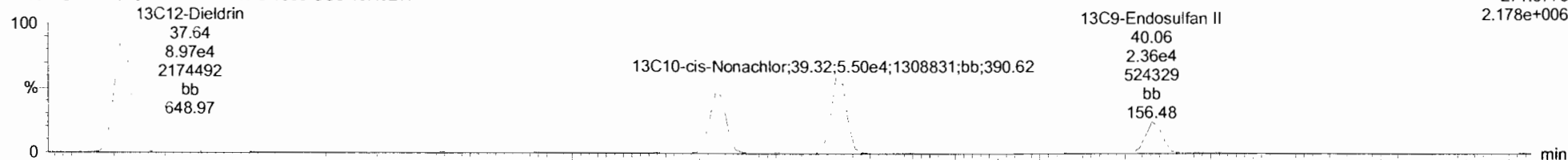
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

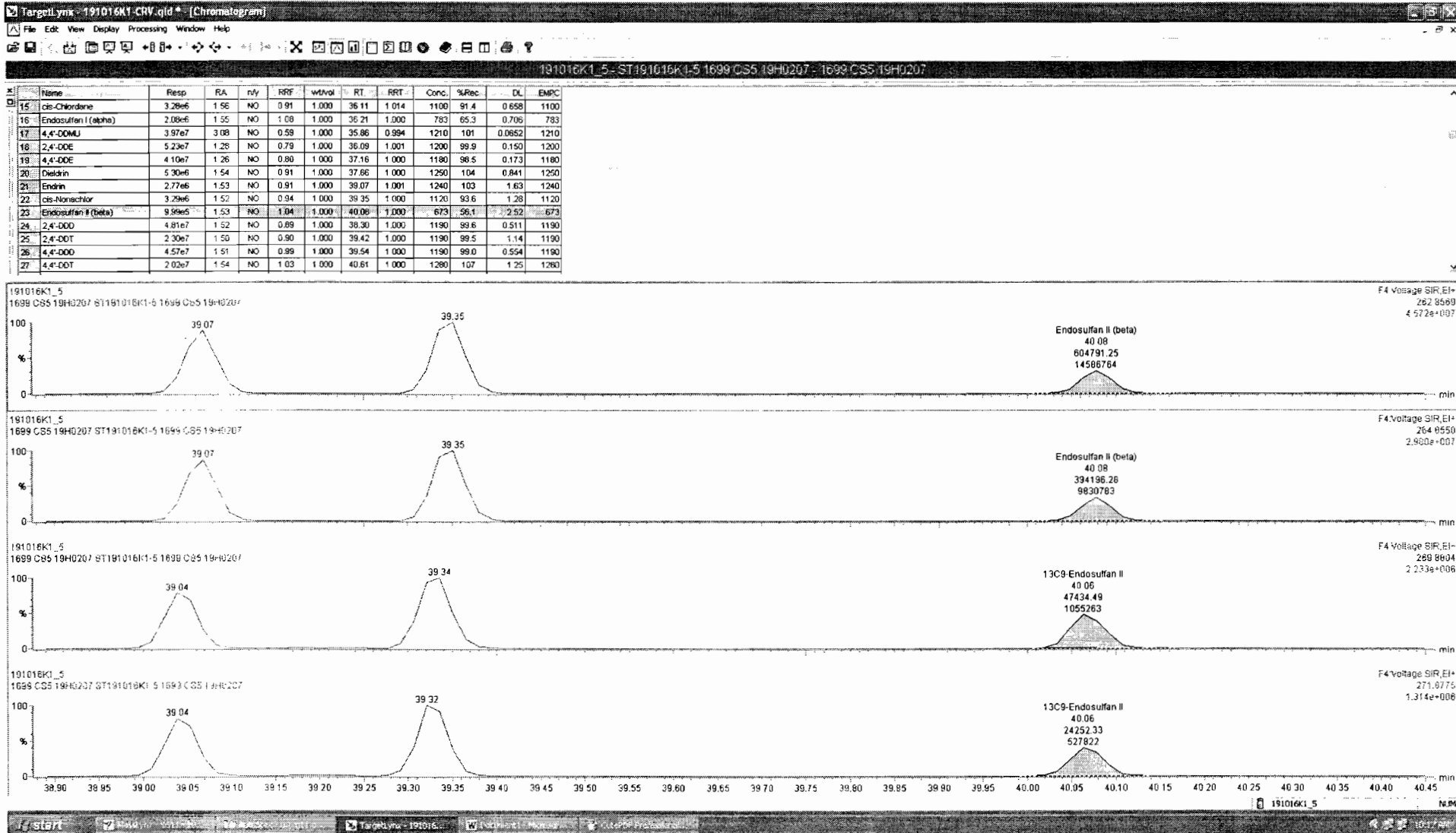
F4:Voltage SIR,EI+
269.8804
3.342e+006



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F4:Voltage SIR,EI+
271.8775
2.178e+006





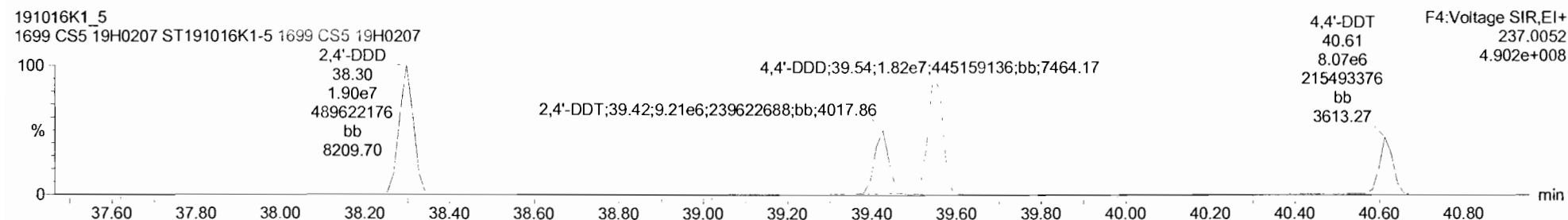
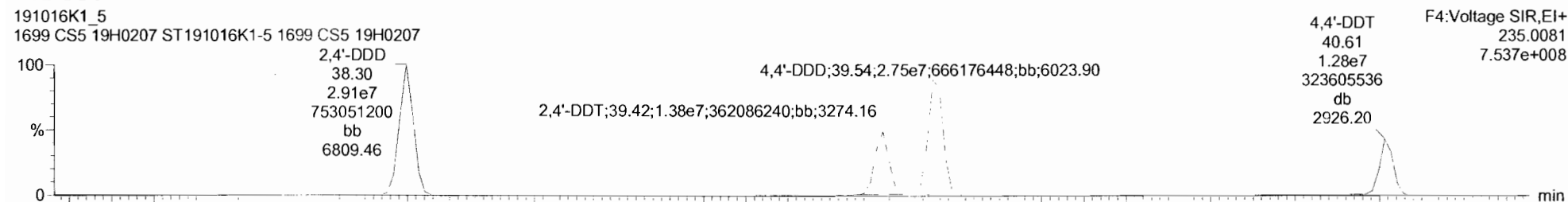
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

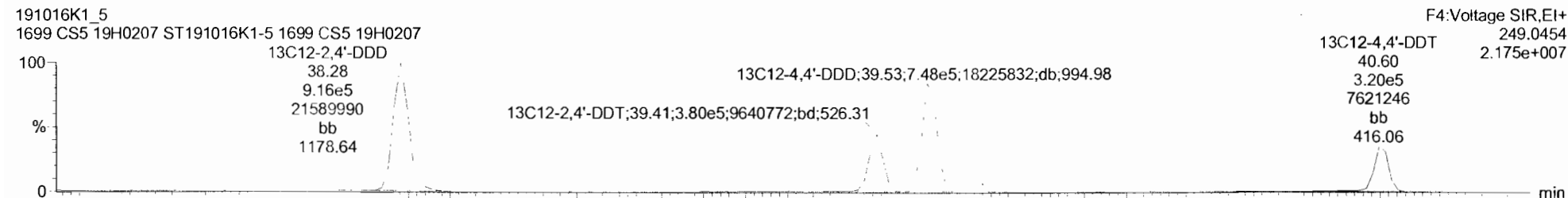
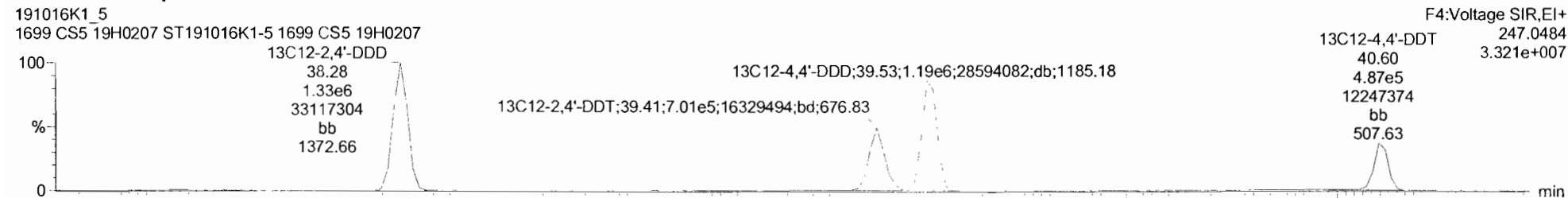
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

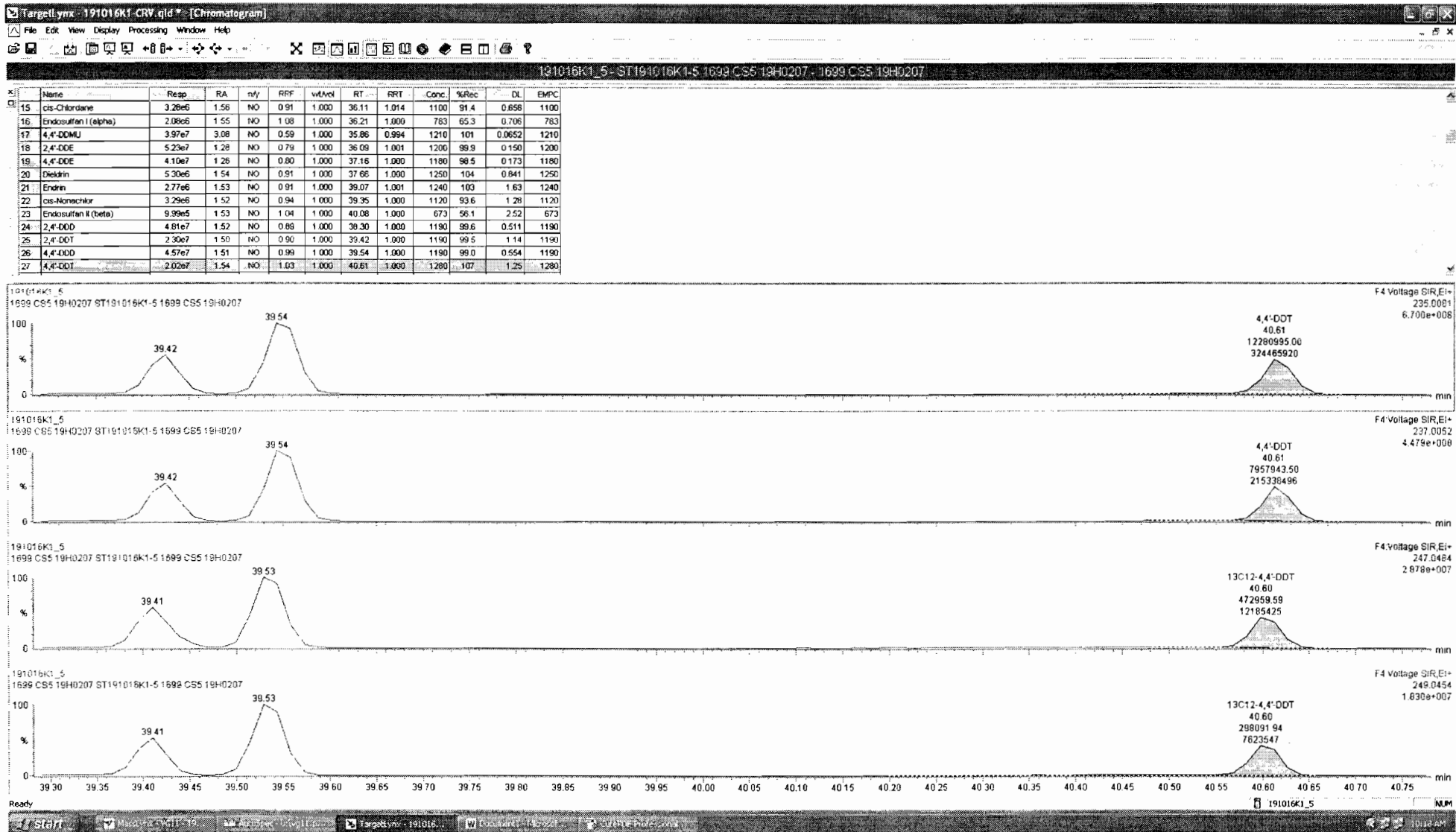
Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

DDD-DDT



DDD-DDT-isotopes





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

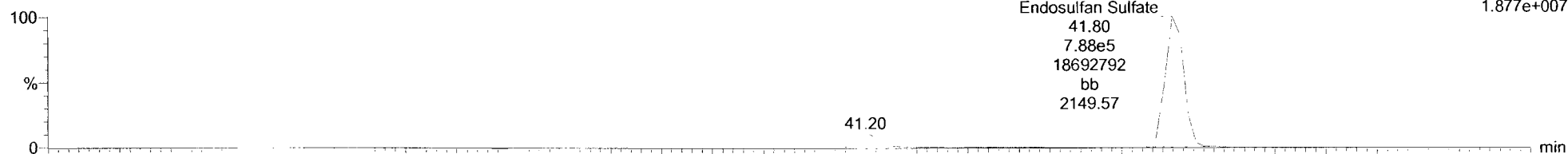
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Endosulfan Sulfate

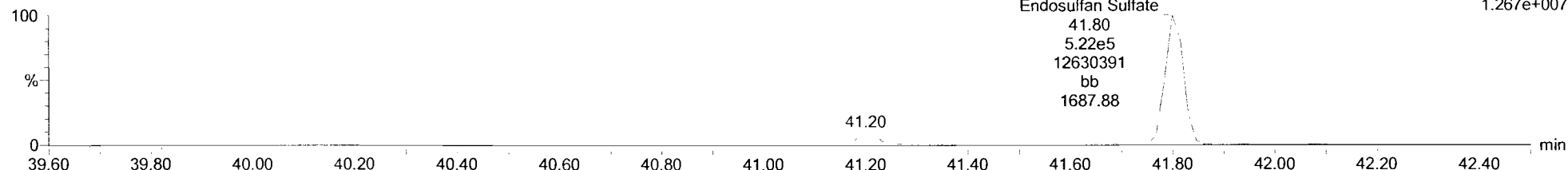
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
262.8569
1.877e+007



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

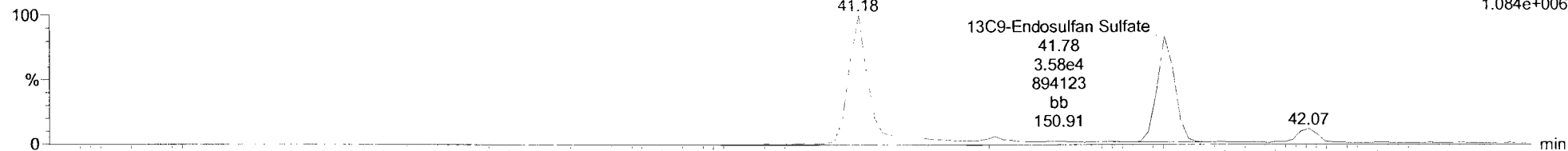
F5:Voltage SIR,EI+
264.8540
1.267e+007



13C9-Endosulfan Sulfate

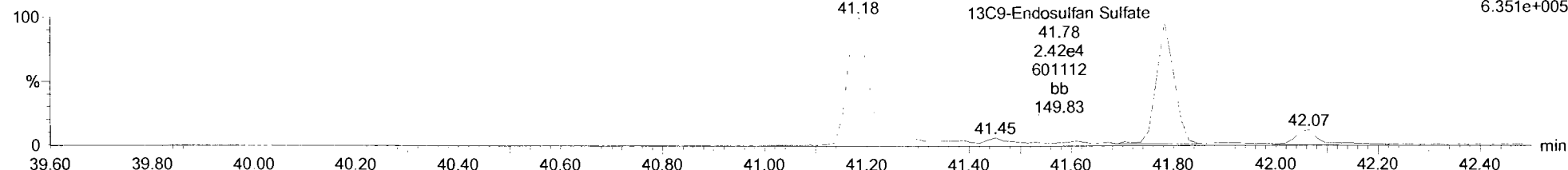
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
269.8804
1.084e+006



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
271.8775
6.351e+005



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

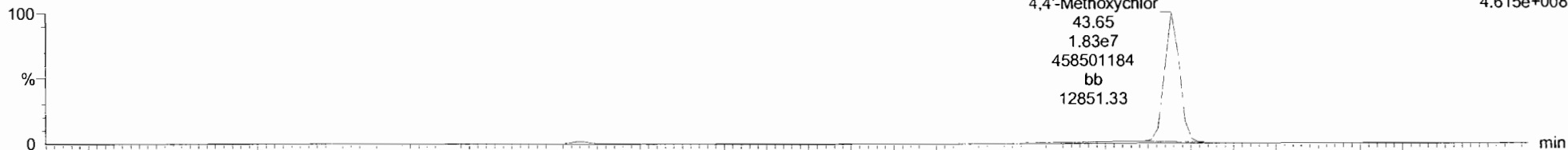
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

4,4'-Methoxychlor

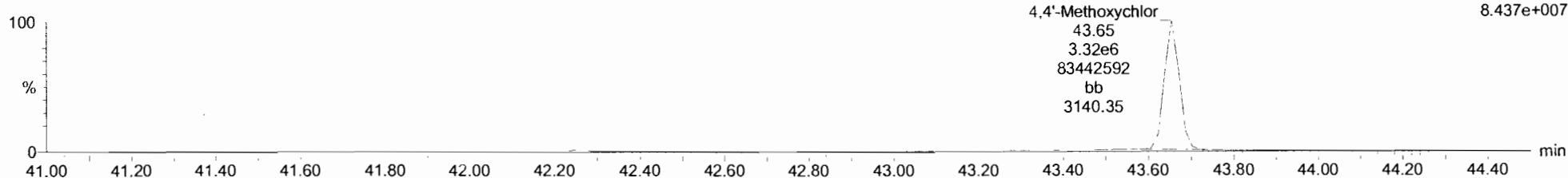
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
227.1072
4.615e+008



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

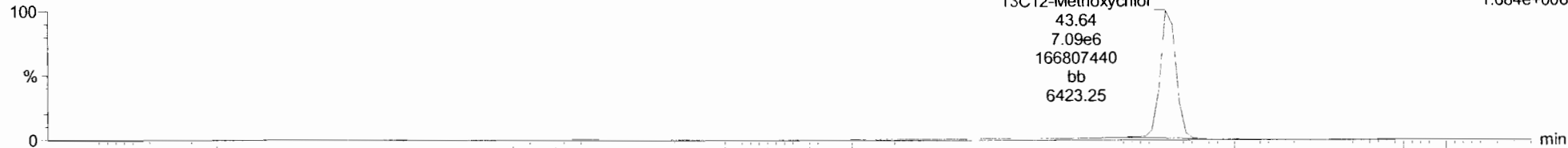
F5:Voltage SIR,EI+
228.1106
8.437e+007



13C12-Methoxychlor

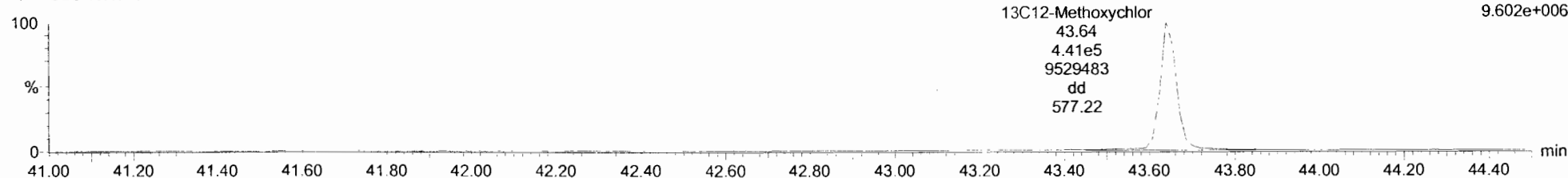
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

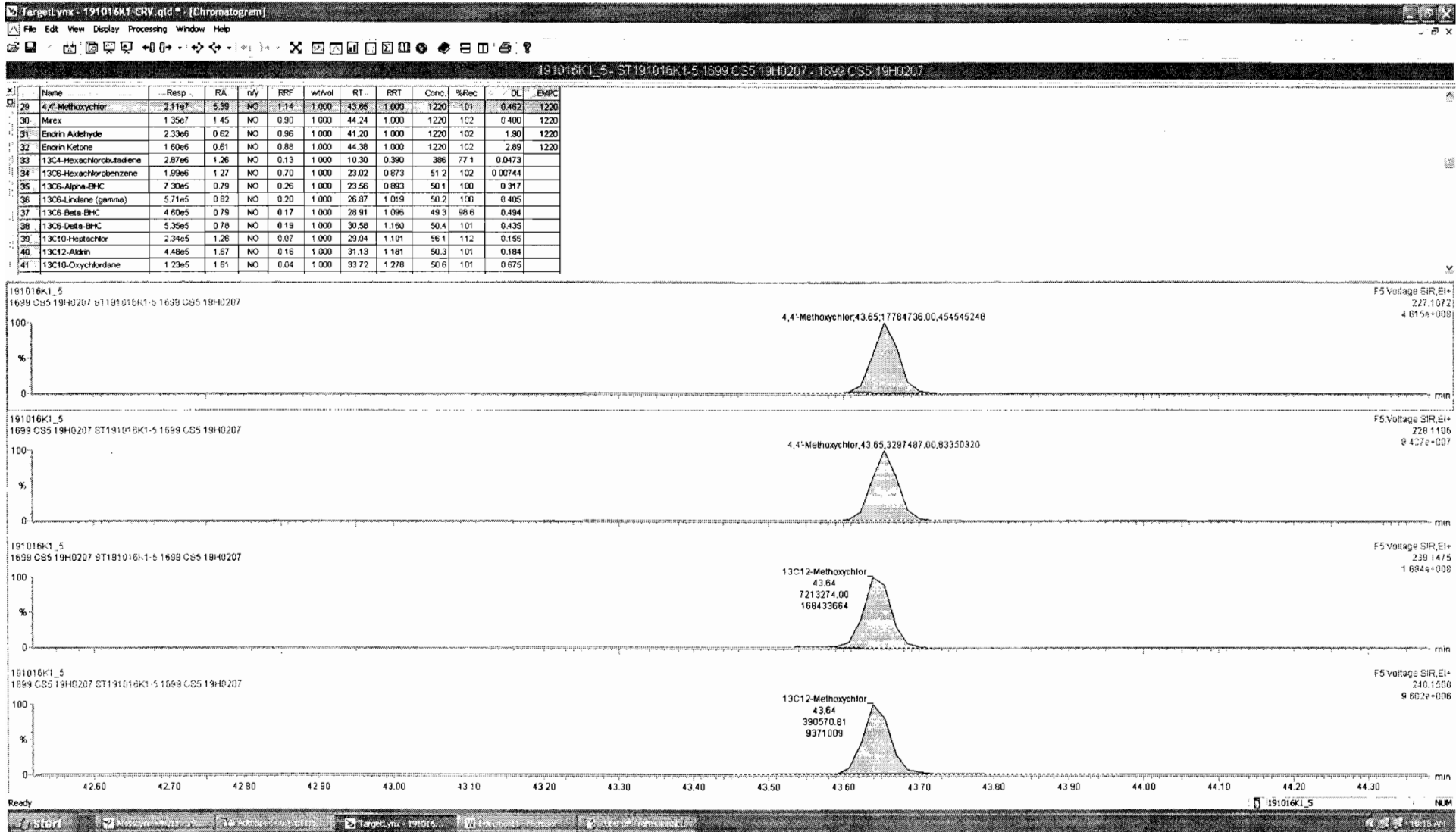
F5:Voltage SIR,EI+
239.1475
1.684e+008



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
240.1508
9.602e+006





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

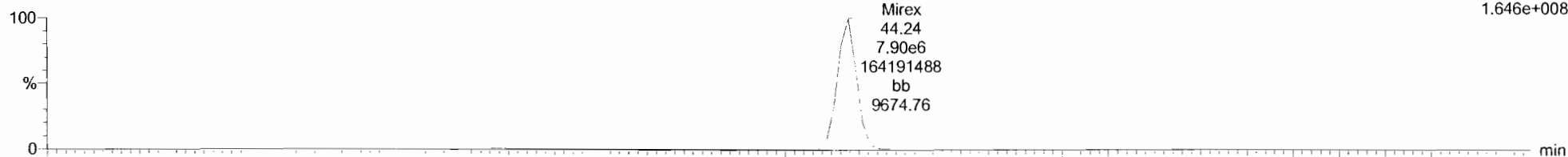
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Mirex

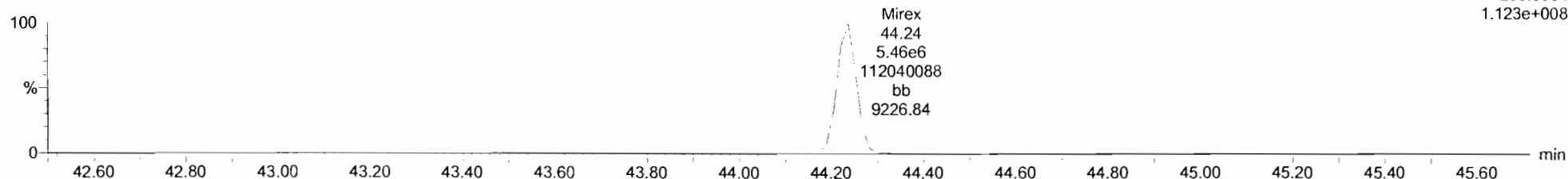
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
236.8413
1.646e+008



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

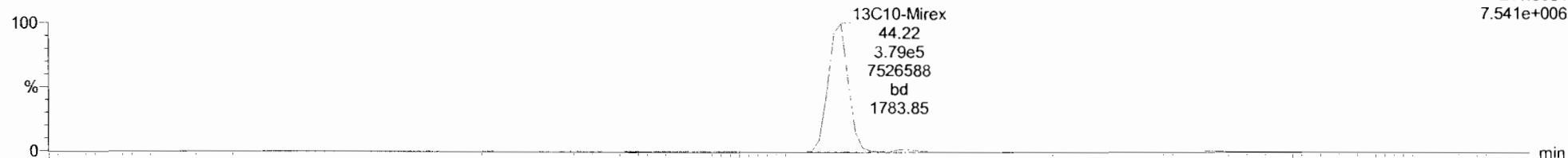
F5:Voltage SIR,EI+
238.8384
1.123e+008



13C10-Mirex

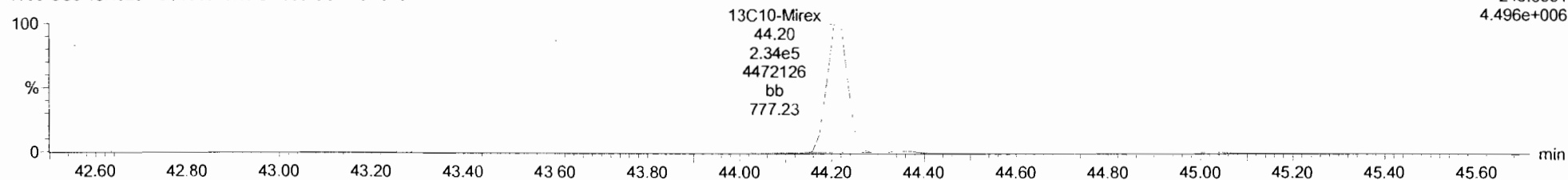
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

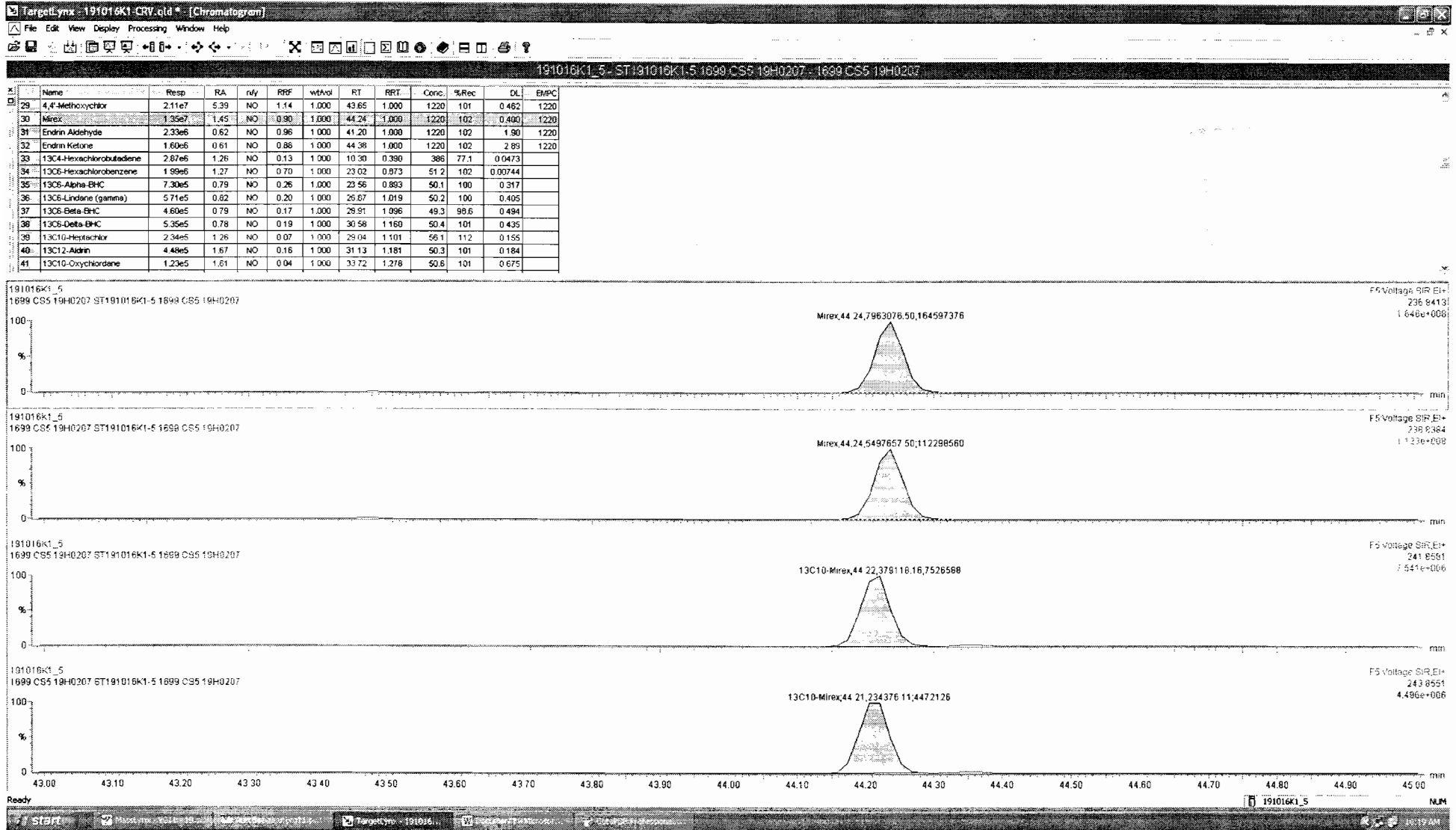
F5:Voltage SIR,EI+
241.8581
7.541e+006



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
243.8551
4.496e+006





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

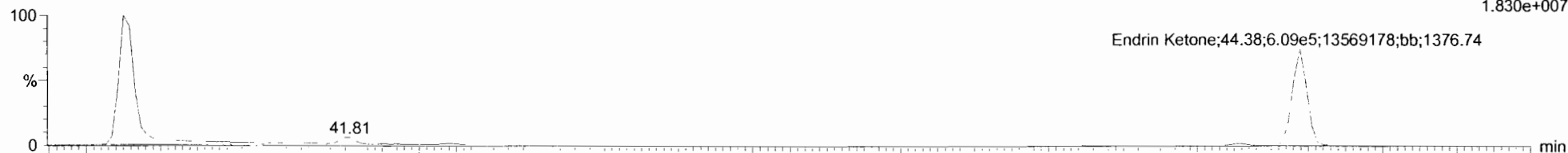
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

EA-EK

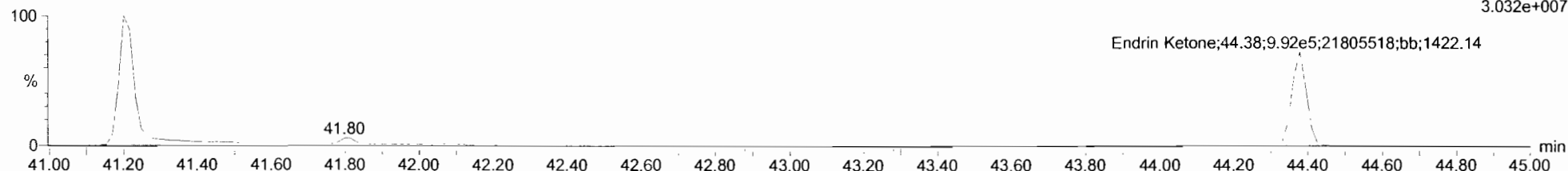
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
247.8521
1.830e+007



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

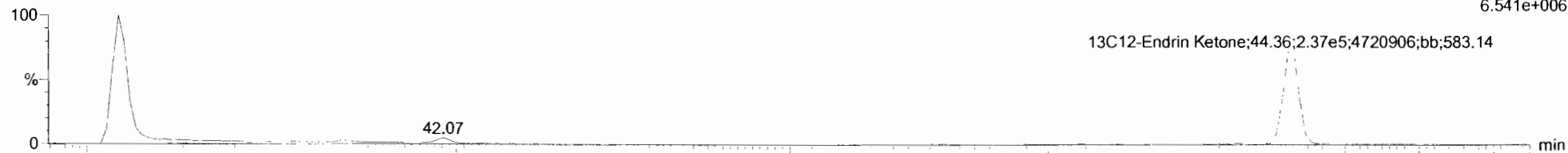
F5:Voltage SIR,EI+
249.8491
3.032e+007



EA-EK-isotopes

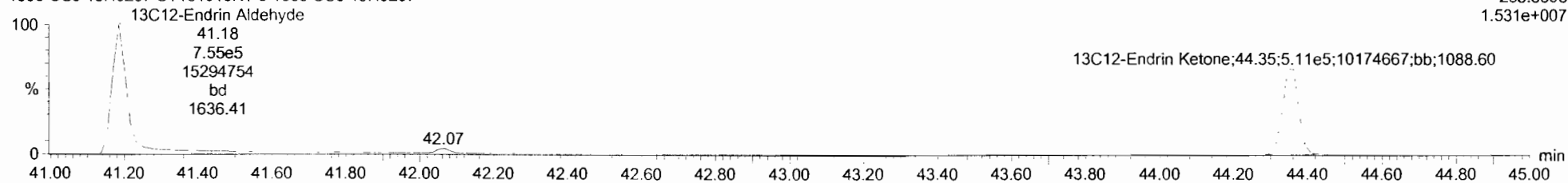
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

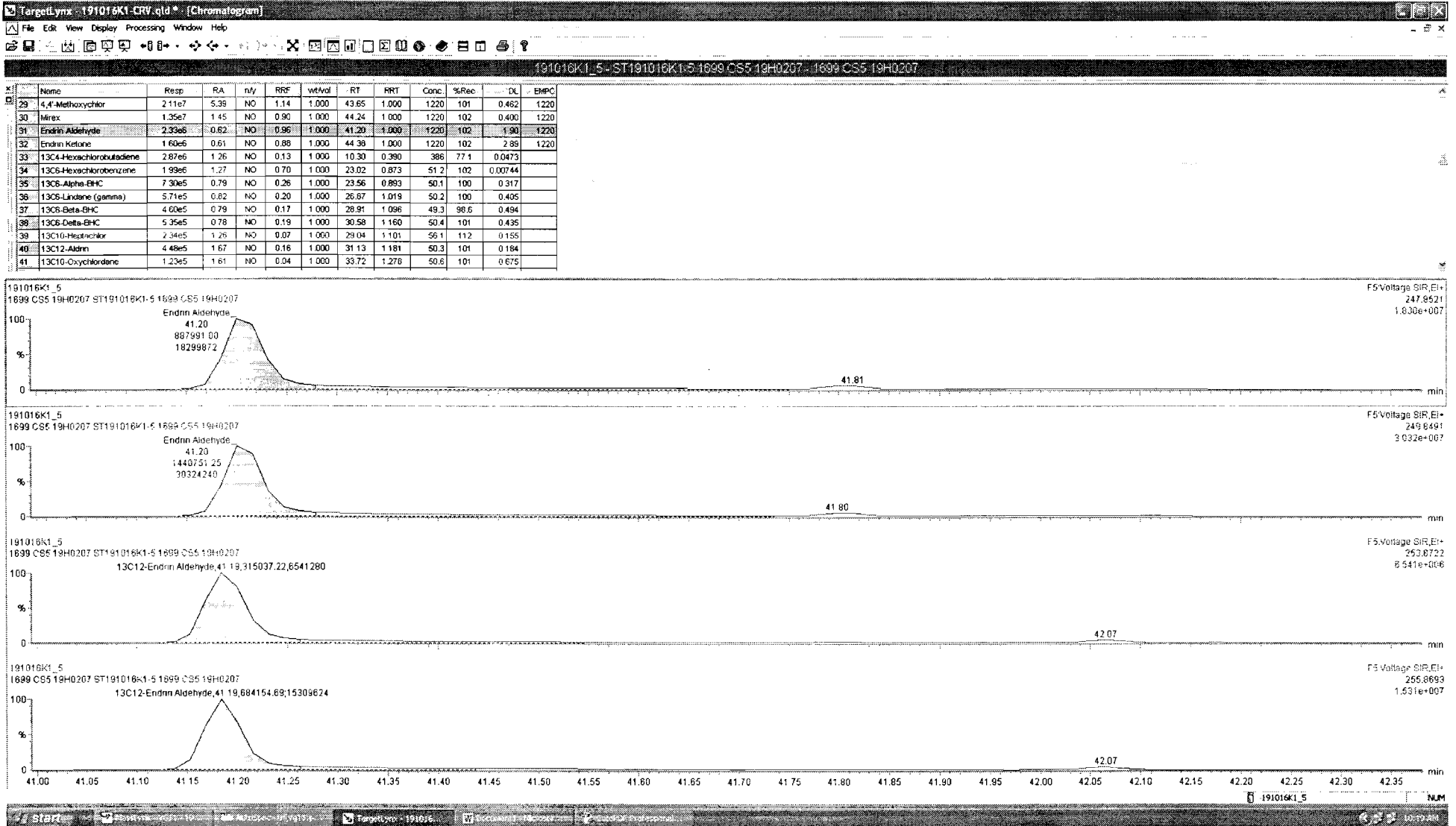
F5:Voltage SIR,EI+
253.8722
6.541e+006

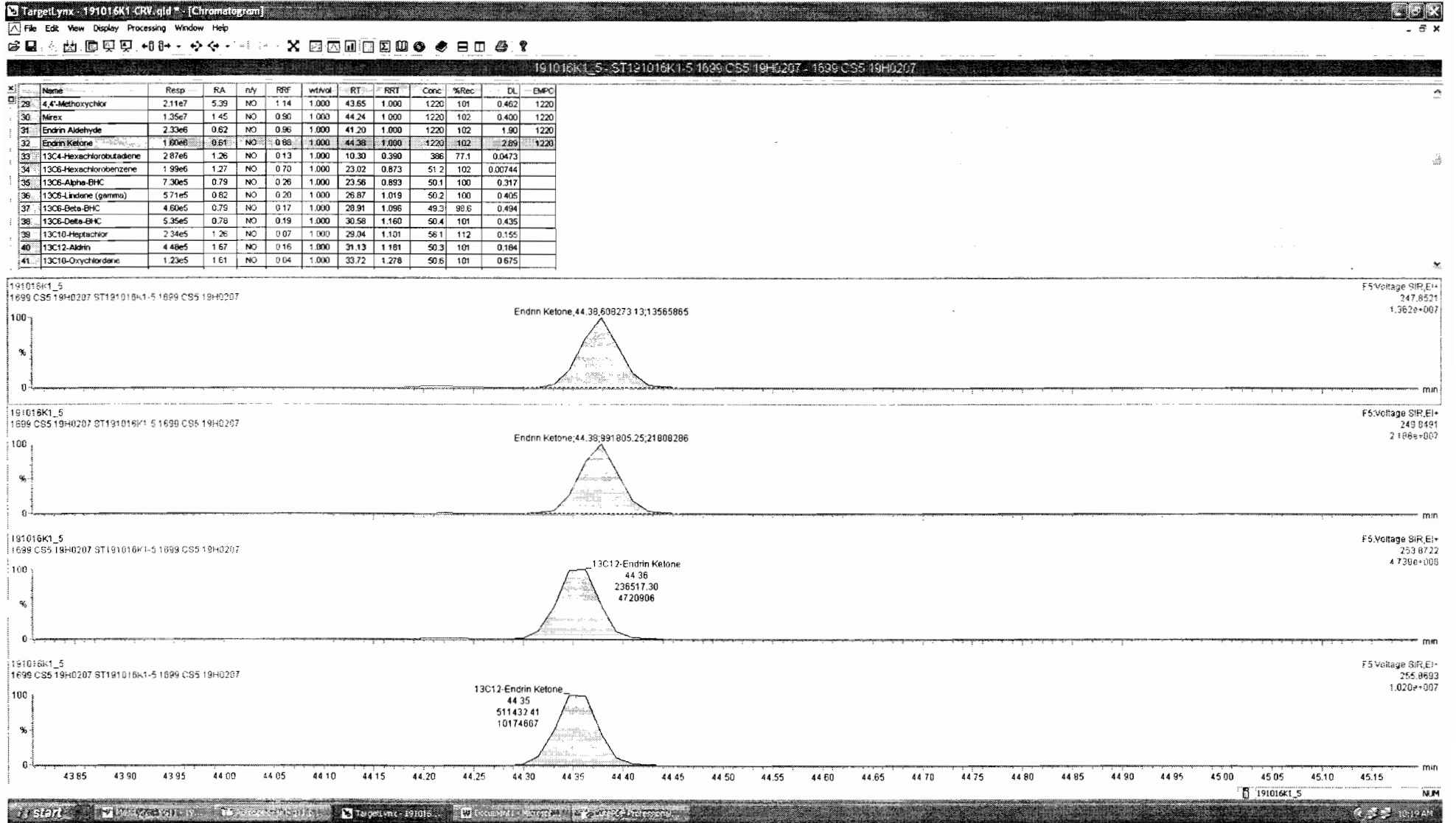


191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F5:Voltage SIR,EI+
255.8693
1.531e+007







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

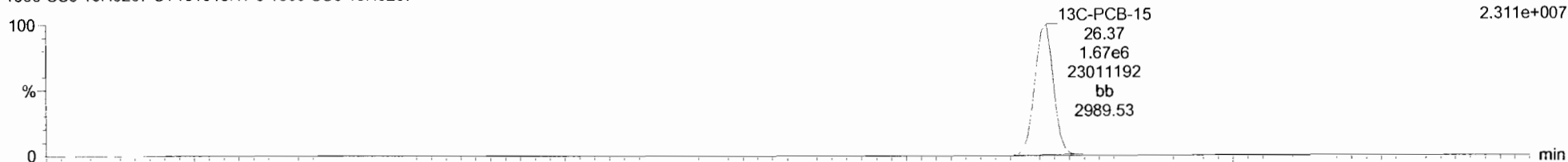
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

13C-PCB-15

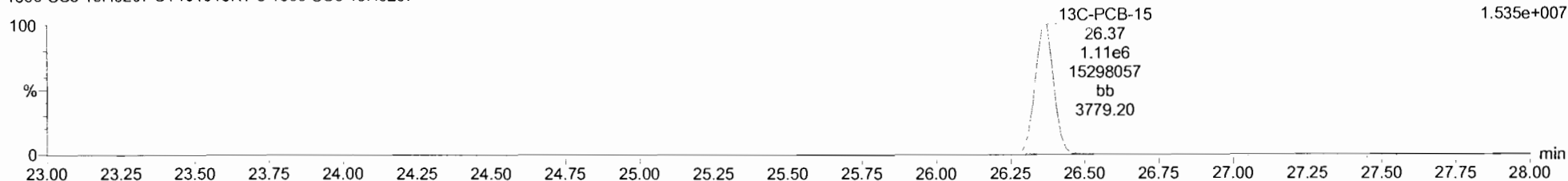
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F2:Voltage SIR,EI+
234.0406
2.311e+007



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

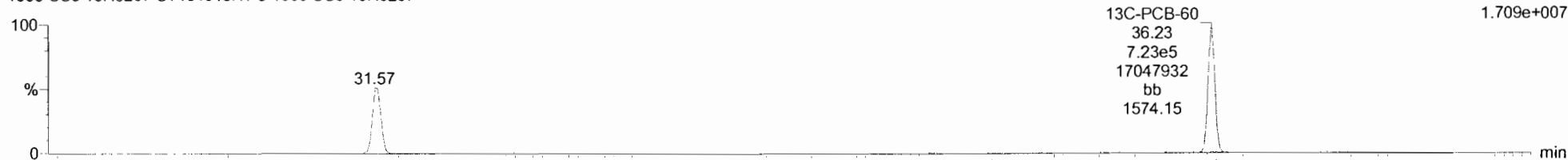
F2:Voltage SIR,EI+
236.0376
1.535e+007



13C-PCB-60

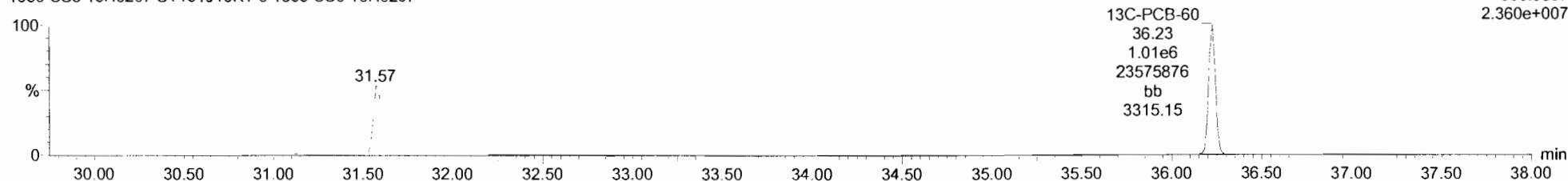
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F3:Voltage SIR,EI+
301.9626
1.709e+007



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F3:Voltage SIR,EI+
303.9597
2.360e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

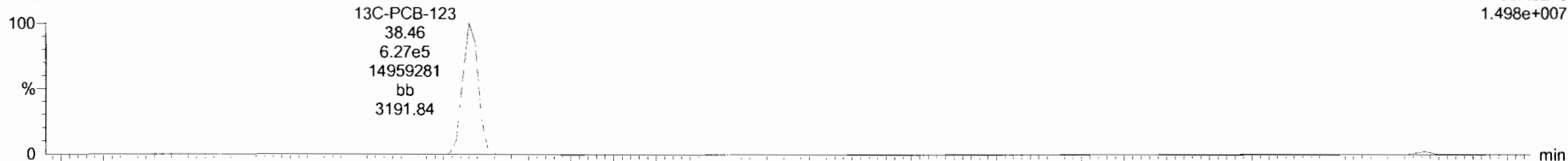
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

13C-PCB-123

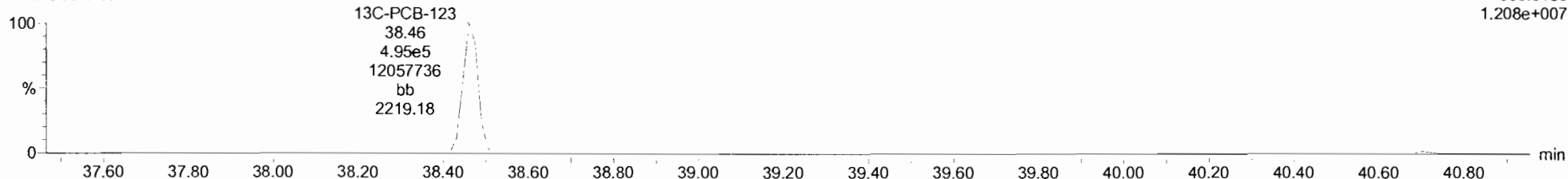
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F4:Voltage SIR,EI+
337.9210
1.498e+007



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

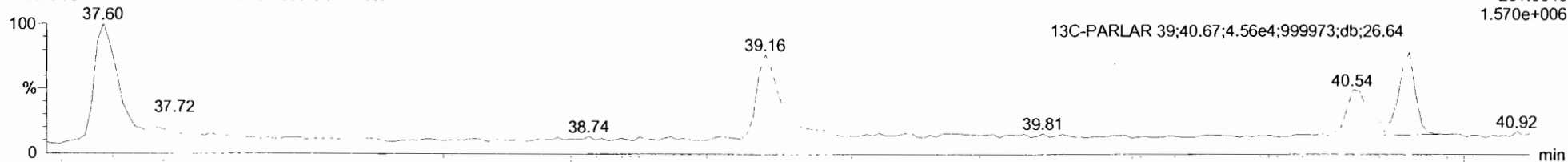
F4:Voltage SIR,EI+
339.9180
1.208e+007



13C-PARLAR 39

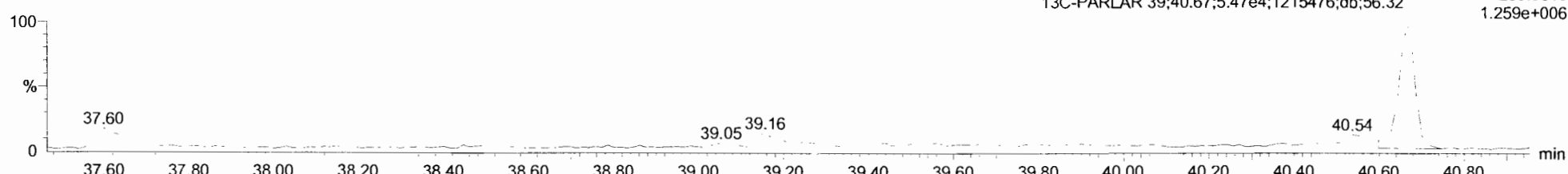
191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F4:Voltage SIR,EI+
251.9648
1.570e+006



191016K1_5
1699 CS5 19H0207 ST191016K1-5 1699 CS5 19H0207

F4:Voltage SIR,EI+
253.9619
1.259e+006



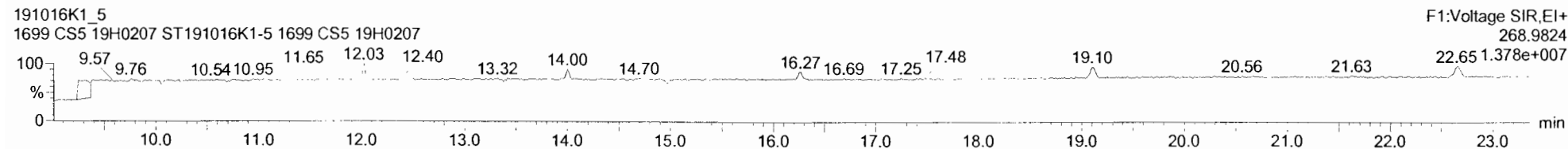
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 9:32:01 AM Pacific Daylight Time

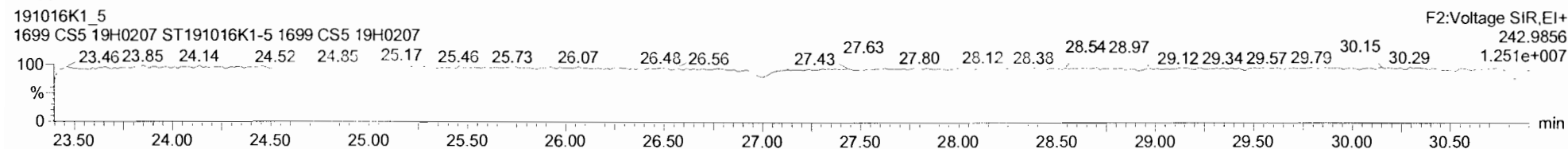
Printed: Thursday, October 17, 2019 9:32:18 AM Pacific Daylight Time

Name: 191016K1_5, Date: 16-Oct-2019, Time: 18:46:50, ID: ST191016K1-5 1699 CS5 19H0207, Description: 1699 CS5 19H0207

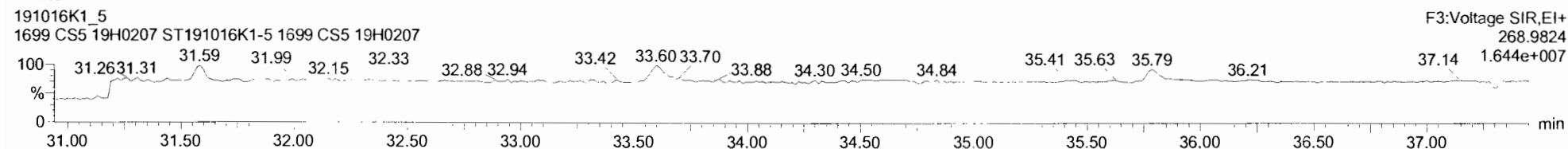
PFK1



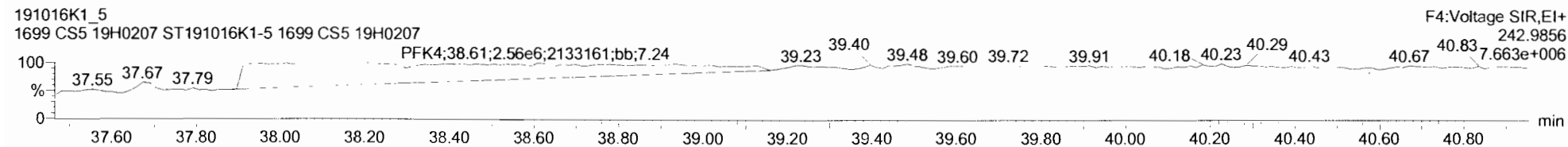
PFK2



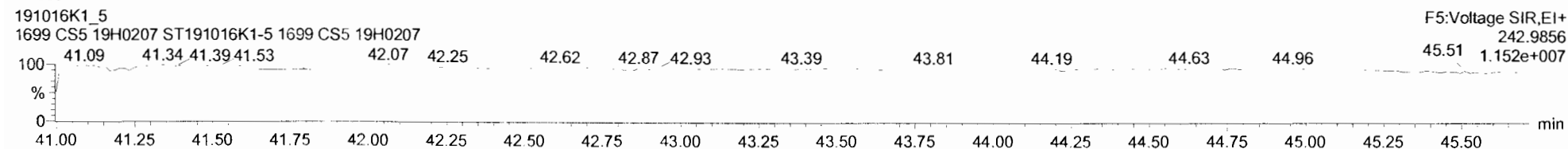
PFK3



PFK4

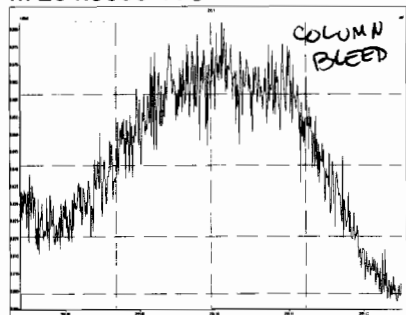


PFK5

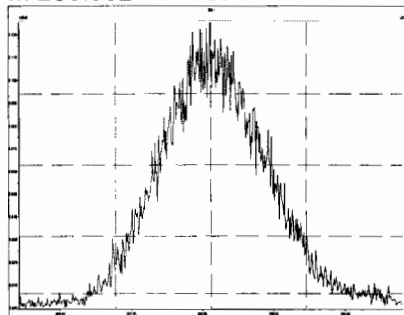


Printed: Thursday, October 17, 2019 08:07:24 Pacific Daylight Time

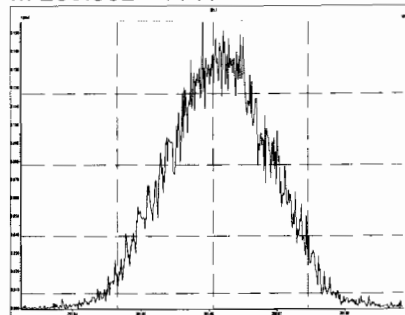
M 254.9856 R 0



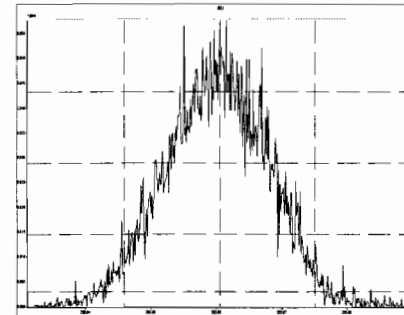
M 268.9824 R 7374



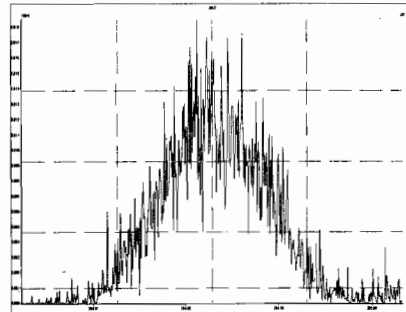
M 280.9824 R 8728



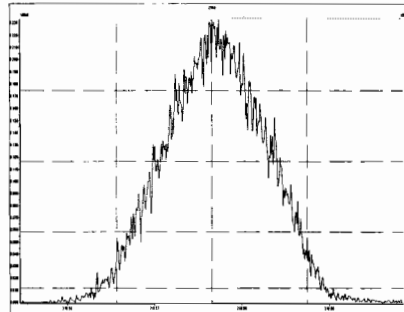
M 292.9824 R 8756



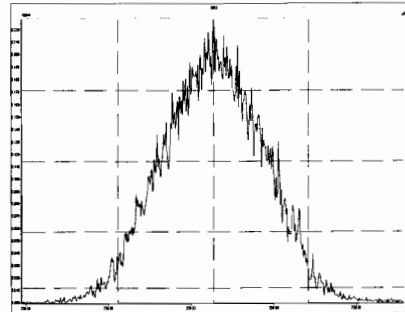
M 204.9888 R 10200



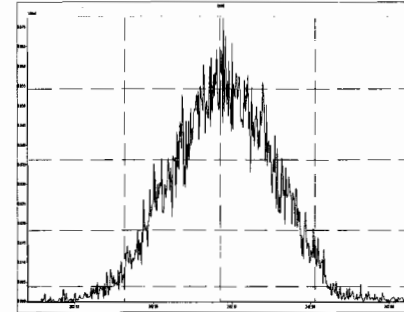
M 218.9856 R 8665



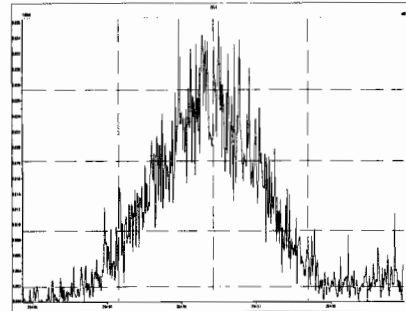
M 230.9856 R 8833



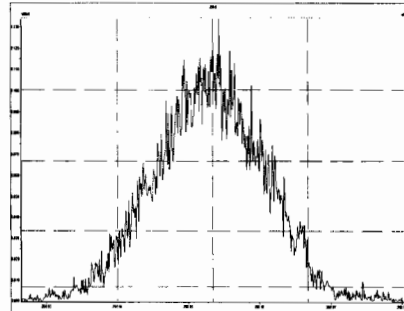
M 242.9856 R 8891



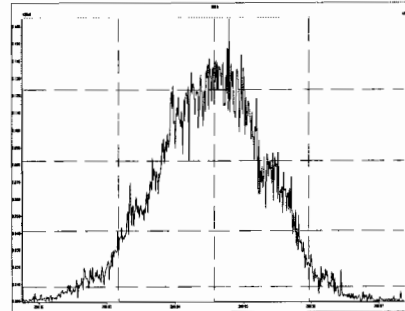
M 254.9856 R 8818



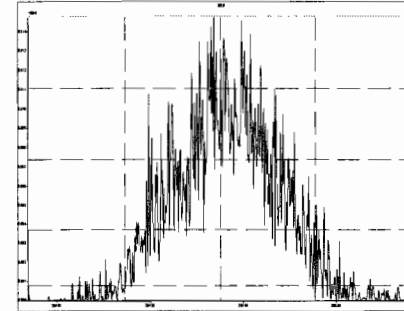
M 268.9824 R 7965



M 280.9824 R 8002

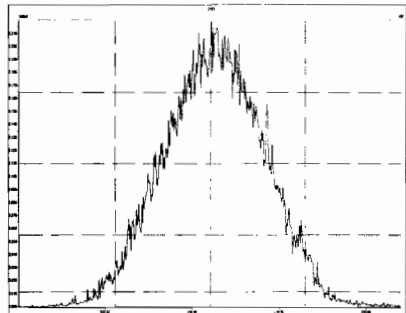


M 204.9888 R 11140

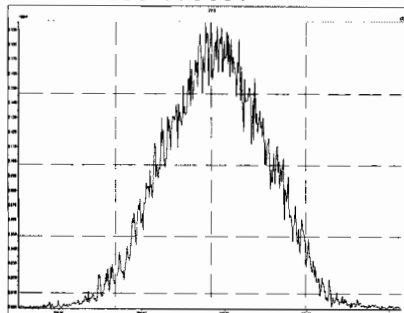


Printed: Thursday, October 17, 2019 08:07:24 Pacific Daylight Time

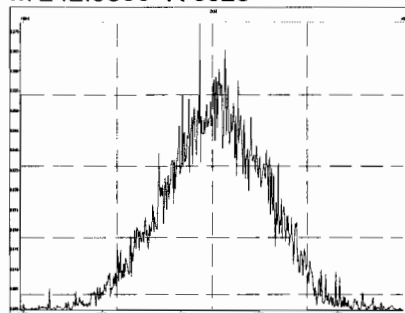
M 218.9856 R 8699



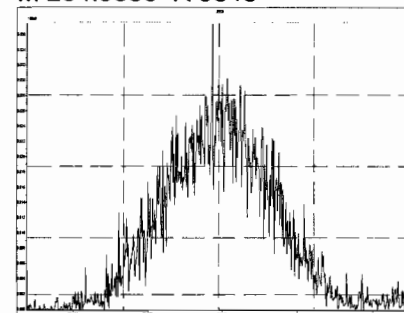
M 230.9856 R 8651



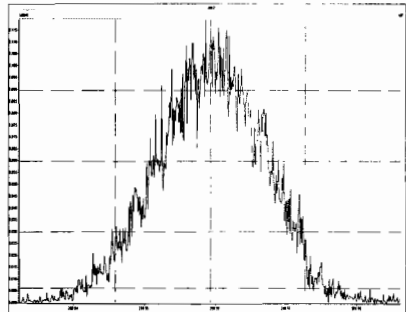
M 242.9856 R 8928



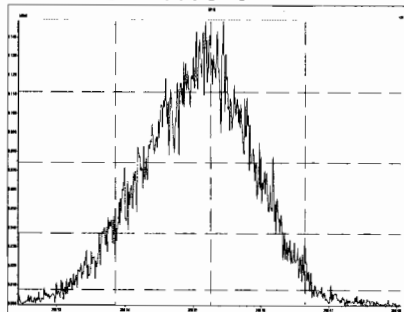
M 254.9856 R 9545



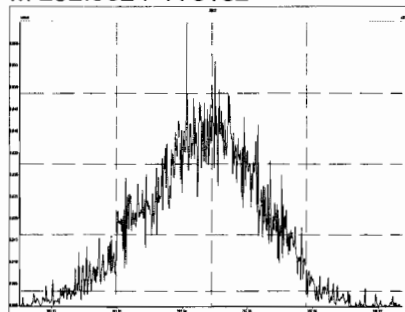
M 268.9824 R 8329



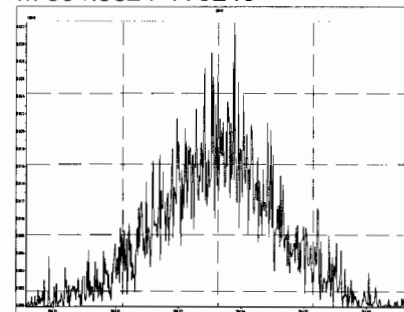
M 280.9824 R 7976



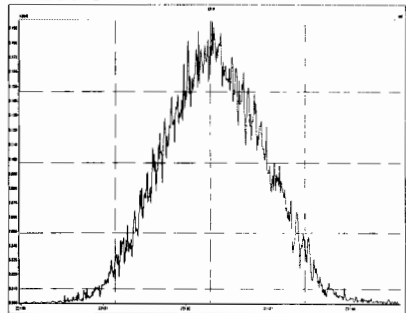
M 292.9824 R 8182



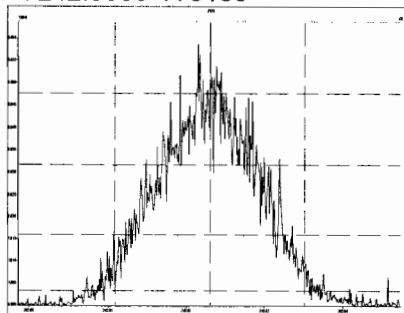
M 304.9824 R 9240



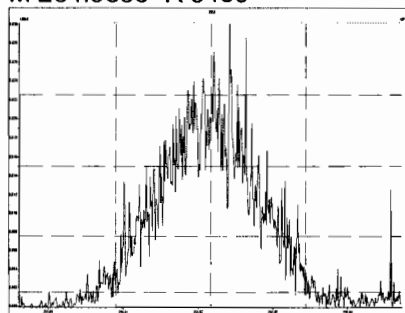
M 230.9856 R 8605



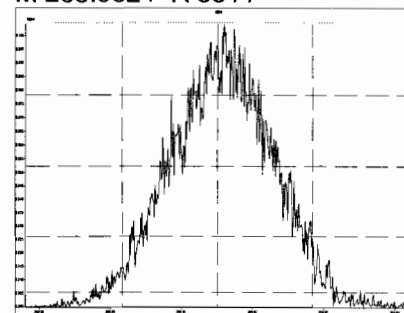
M 242.9856 R 9159



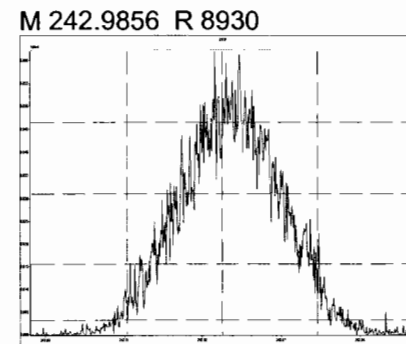
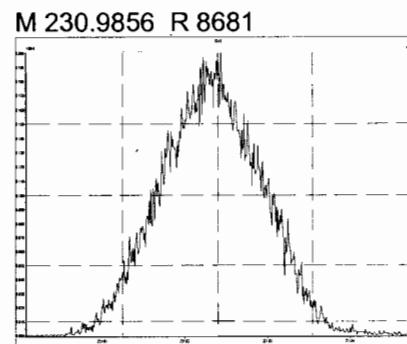
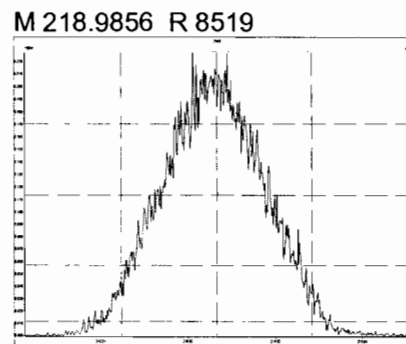
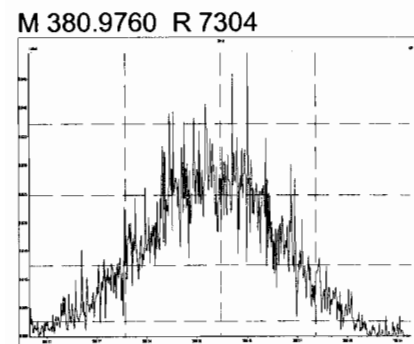
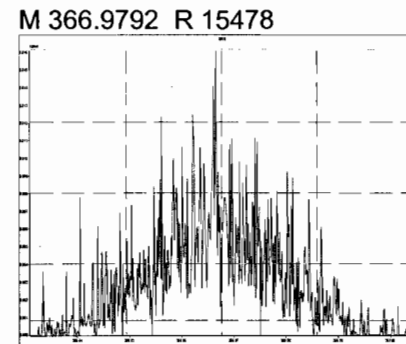
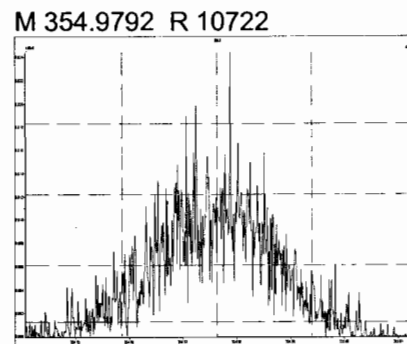
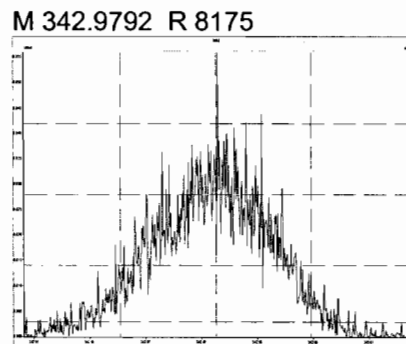
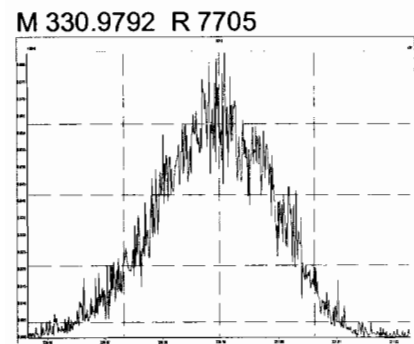
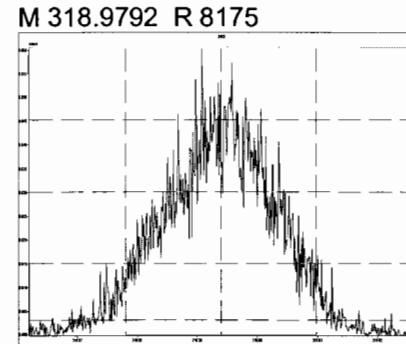
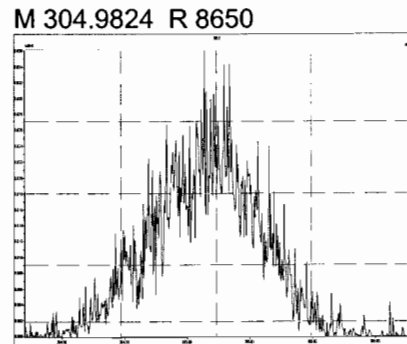
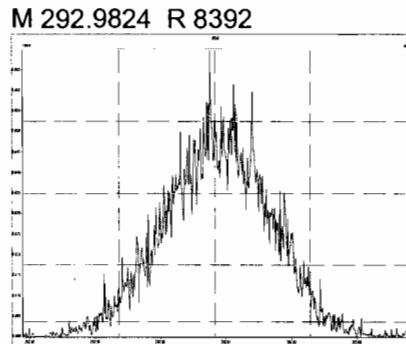
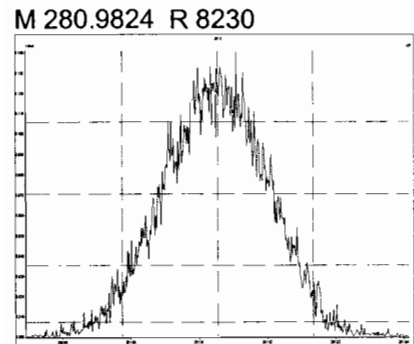
M 254.9856 R 9430



M 268.9824 R 8811

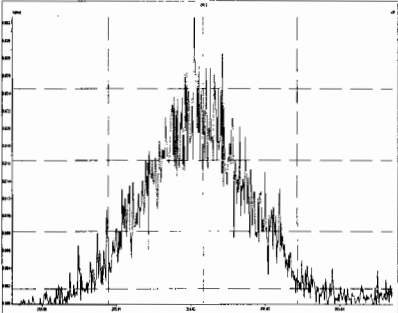


Printed: Thursday, October 17, 2019 08:07:24 Pacific Daylight Time

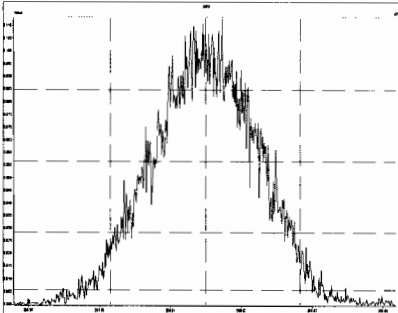


Printed: Thursday, October 17, 2019 08:07:24 Pacific Daylight Time

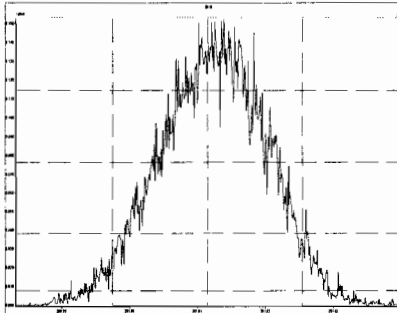
M 254.9856 R 9286



M 268.9824 R 8308



M 280.9824 R 8202



Dataset: U:\VG11.PRO\Results\191016K1\191016K1-7.qld

Last Altered: Thursday, October 17, 2019 11:43:52 AM Pacific Daylight Time
Printed: Thursday, October 17, 2019 11:45:01 AM Pacific Daylight Time

GPD 10/17/19
HL 10-17-19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|----|-----------------------------|---------|---------|------|-----|-------|--------|---------|-------|-------|----------|----------|------|------|---------|------|
| 1 | 2 Hexachlorobenzene | 4.42e6 | 2.43e6 | 1.18 | NO | 0.856 | 1.000 | 23.04 | 23.03 | 1.001 | 1.001 | NO | 106 | 106 | 0.00360 | 106 |
| 2 | 3 Alpha-BHC | 1.41e6 | 8.77e5 | 2.09 | NO | 0.758 | 1.000 | 23.61 | 23.58 | 1.001 | 1.002 | NO | 106 | 106 | 0.0850 | 106 |
| 3 | 4 Lindane (gamma-BHC) | 1.08e6 | 6.60e5 | 2.13 | NO | 0.766 | 1.000 | 26.88 | 26.89 | 1.001 | 1.001 | NO | 107 | 107 | 0.132 | 107 |
| 4 | 5 Beta-BHC | 1.02e6 | 5.39e5 | 2.11 | NO | 0.889 | 1.000 | 28.92 | 28.93 | 1.001 | 1.000 | NO | 107 | 107 | 0.112 | 107 |
| 5 | 6 Delta-BHC | 1.09e6 | 6.24e5 | 2.09 | NO | 0.837 | 1.000 | 30.60 | 30.61 | 1.001 | 1.001 | NO | 105 | 105 | 0.0925 | 105 |
| 6 | 7 Heptachlor | 4.40e5 | 2.27e5 | 1.04 | NO | 0.947 | 1.000 | 29.05 | 29.06 | 1.001 | 1.001 | NO | 102 | 102 | 0.170 | 102 |
| 7 | 9 Aldrin | 1.06e6 | 5.26e5 | 1.57 | NO | 0.957 | 1.000 | 31.16 | 31.16 | 1.001 | 1.001 | NO | 105 | 105 | 0.0687 | 105 |
| 8 | 10 Oxychlorane | 2.70e5 | 1.33e5 | 1.59 | NO | 0.949 | 1.000 | 33.74 | 33.74 | 1.001 | 1.001 | NO | 107 | 107 | 0.230 | 107 |
| 9 | 11 cis-Heptachlor Epoxide | 3.55e5 | 1.76e5 | 1.59 | NO | 0.971 | 1.000 | 34.52 | 34.53 | 1.001 | 1.001 | NO | 104 | 104 | 0.166 | 104 |
| 10 | 12 trans-Heptachlor Epox... | 9.13e4 | 1.76e5 | 1.54 | NO | 0.246 | 1.000 | 35.02 | 35.01 | 1.015 | 1.015 | NO | 106 | 106 | 0.654 | 106 |
| 11 | 13 trans-Chlordane (gam... | 3.19e5 | 1.49e5 | 1.57 | NO | 0.996 | 1.000 | 35.43 | 35.44 | 1.001 | 1.001 | NO | 108 | 108 | 0.181 | 108 |
| 12 | 14 trans-Nonachlor | 3.32e5 | 1.64e5 | 1.59 | NO | 0.921 | 1.000 | 35.62 | 35.63 | 1.001 | 1.001 | NO | 110 | 110 | 0.190 | 110 |
| 13 | 15 cis-Chlordane | 3.35e5 | 1.64e5 | 1.56 | NO | 0.914 | 1.000 | 36.11 | 36.11 | 1.014 | 1.015 | NO | 112 | 112 | 0.192 | 112 |
| 14 | 16 Endosulfan I (alpha) | 2.03e5 | 9.86e4 | 1.60 | NO | 1.08 | 1.000 | 36.22 | 36.21 | 1.000 | 1.001 | NO | 95.7 | 95.7 | 0.277 | 95.7 |
| 15 | 18 2,4'-DDE | 5.44e6 | 3.27e6 | 1.26 | NO | 0.789 | 1.000 | 36.08 | 36.09 | 1.001 | 1.000 | NO | 106 | 106 | 0.0880 | 106 |
| 16 | 19 4,4'-DDE | 4.18e6 | 2.46e6 | 1.26 | NO | 0.804 | 1.000 | 37.16 | 37.16 | 1.000 | 1.000 | NO | 106 | 106 | 0.104 | 106 |
| 17 | 20 Dieldrin | 5.29e5 | 2.70e5 | 1.52 | NO | 0.912 | 1.000 | 37.66 | 37.66 | 1.000 | 1.000 | NO | 107 | 107 | 0.197 | 107 |
| 18 | 21 Endrin | 2.41e5 | 1.27e5 | 1.50 | NO | 0.911 | 1.000 | 39.04 | 39.07 | 1.001 | 1.000 | NO | 104 | 104 | 0.425 | 104 |
| 19 | 22 cis-Nonachlor | 3.31e5 | 1.68e5 | 1.54 | NO | 0.945 | 1.000 | 39.35 | 39.35 | 1.000 | 1.000 | NO | 104 | 104 | 0.305 | 104 |
| 20 | 23 Endosulfan II (beta) | 9.48e4 | 4.66e4 | 1.49 | NO | 1.04 | 1.000 | 40.06 | 40.08 | 1.000 | 1.000 | NO | 98.2 | 98.2 | 0.984 | 98.2 |
| 21 | 24 2,4'-DDD | 4.51e6 | 2.34e6 | 1.53 | NO | 0.895 | 1.000 | 38.28 | 38.30 | 1.000 | 1.000 | NO | 108 | 108 | 0.150 | 108 |
| 22 | 25 2,4'-DDT | 1.83e6 | 8.60e5 | 1.52 | NO | 0.896 | 1.000 | 39.43 | 39.43 | 1.000 | 1.000 | NO | 119 | 119 | 0.405 | 119 |
| 23 | 26 4,4'-DDD | 4.05e6 | 1.98e6 | 1.52 | NO | 0.990 | 1.000 | 39.55 | 39.54 | 1.000 | 1.000 | NO | 103 | 103 | 0.163 | 103 |
| 24 | 27 4,4'-DDT | 1.47e6 | 6.74e5 | 1.55 | NO | 1.03 | 1.000 | 40.62 | 40.61 | 1.000 | 1.000 | NO | 106 | 106 | 0.475 | 106 |
| 25 | 28 Endosulfan Sulfate | 1.33e5 | 7.05e4 | 1.53 | NO | 0.934 | 1.000 | 41.78 | 41.80 | 1.000 | 1.000 | NO | 101 | 101 | 0.639 | 101 |
| 26 | 29 4,4'-Methoxychlor | 1.89e6 | 8.04e6 | 5.53 | NO | 1.14 | 1.000 | 43.65 | 43.65 | 1.000 | 1.000 | NO | 103 | 103 | 0.155 | 103 |
| 27 | 30 Mirex | 1.48e6 | 8.06e5 | 1.46 | NO | 0.897 | 1.000 | 44.24 | 44.24 | 1.000 | 1.000 | NO | 103 | 103 | 0.0919 | 103 |
| 28 | 31 Endrin Aldehyde | 2.27e5 | 1.07e6 | 0.61 | NO | 0.956 | 1.000 | 41.21 | 41.20 | 1.000 | 1.000 | NO | 111 | 111 | 0.647 | 111 |
| 29 | 32 Endrin Ketone | 1.89e5 | 8.63e5 | 0.64 | NO | 0.875 | 1.000 | 44.36 | 44.38 | 1.000 | 1.000 | NO | 125 | 125 | 0.903 | 125 |
| 30 | 34 13C6-Hexachlorobenz... | 2.43e6 | 3.48e6 | 1.28 | NO | 0.697 | 1.000 | 23.00 | 23.02 | 0.873 | 0.873 | NO | 50.3 | 101 | 0.00516 | |
| 31 | 35 13C6-Alpha-BHC | 18.77e5 | 3.48e6 | 0.78 | NO | 0.261 | 1.000 | 23.54 | 23.56 | 0.894 | 0.893 | NO | 48.3 | 96.5 | 0.041 | |

75-125%

Dataset: U:\VG11.PRO\Results\191016K1\191016K1-7.qld

Last Altered: Thursday, October 17, 2019 11:43:52 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 11:45:01 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

| | #.Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|-------|-----|--------|--------|---------|-------|-------|----------|----------|------|------|--------|------|
| 32 | 36 13C6-Lindane (gamma) | 6.60e5 | 3.48e6 | 0.78 | NO | 0.204 | 1.000 | 26.85 | 26.85 | 1.019 | 1.019 | NO | 46.5 | 93.1 | 0.181 | |
| 33 | 37 13C6-Beta-BHC | 5.39e5 | 3.48e6 | 0.78 | NO | 0.167 | 1.000 | 28.89 | 28.91 | 1.097 | 1.096 | NO | 46.3 | 92.6 | 0.221 | |
| 34 | 38 13C6-Delta-BHC | 6.24e5 | 3.48e6 | 0.77 | NO | 0.190 | 1.000 | 30.55 | 30.58 | 1.160 | 1.159 | NO | 47.2 | 94.4 | 0.194 | |
| 35 | 39 13C10-Heptachlor | 2.27e5 | 3.48e6 | 1.27 | NO | 0.0750 | 1.000 | 28.98 | 29.02 | 1.101 | 1.099 | NO | 43.5 | 87.1 | 0.124 | |
| 36 | 40 13C12-Aldrin | 5.26e5 | 3.48e6 | 1.58 | NO | 0.160 | 1.000 | 31.11 | 31.13 | 1.181 | 1.180 | NO | 47.4 | 94.7 | 0.115 | |
| 37 | 41 13C10-Oxychlorane | 1.33e5 | 3.48e6 | 1.60 | NO | 0.0435 | 1.000 | 33.68 | 33.72 | 1.279 | 1.278 | NO | 44.1 | 88.1 | 0.425 | |
| 38 | 42 13C10-cis-Heptachlor ... | 1.76e5 | 3.48e6 | 1.57 | NO | 0.0566 | 1.000 | 34.47 | 34.50 | 1.309 | 1.308 | NO | 44.7 | 89.5 | 0.326 | |
| 39 | 43 13C10-trans-Chlordan... | 1.49e5 | 3.48e6 | 1.70 | NO | 0.0466 | 1.000 | 35.36 | 35.41 | 1.343 | 1.342 | NO | 45.9 | 91.9 | 0.396 | |
| 40 | 44 13C10-trans-Nonachlor | 1.64e5 | 3.48e6 | 1.59 | NO | 0.0528 | 1.000 | 35.55 | 35.60 | 1.351 | 1.349 | NO | 44.8 | 89.6 | 0.350 | |
| 41 | 45 13C9-Endosulfan I (al... | 9.86e4 | 3.48e6 | 1.67 | NO | 0.0305 | 1.000 | 36.15 | 36.20 | 1.373 | 1.372 | NO | 46.5 | 92.9 | 0.604 | |
| 42 | 46 13C12-2,4'-DDE | 3.27e6 | 3.48e6 | 1.57 | NO | 0.987 | 1.000 | 36.08 | 36.06 | 0.996 | 0.996 | NO | 47.6 | 95.3 | 0.118 | |
| 43 | 47 13C12-4,4'-DDE | 2.46e6 | 3.48e6 | 1.58 | NO | 0.758 | 1.000 | 37.14 | 37.14 | 1.025 | 1.025 | NO | 46.7 | 93.3 | 0.153 | |
| 44 | 48 13C12-Dieldrin | 2.70e5 | 3.48e6 | 1.61 | NO | 0.0822 | 1.000 | 37.64 | 37.64 | 1.039 | 1.039 | NO | 47.2 | 94.4 | 0.333 | |
| 45 | 49 13C12-Endrin | 1.27e5 | 3.48e6 | 1.60 | NO | 0.0441 | 1.000 | 39.04 | 39.04 | 1.078 | 1.078 | NO | 41.5 | 82.9 | 0.621 | |
| 46 | 50 13C10-cis-Nonachlor | 1.68e5 | 3.48e6 | 1.53 | NO | 0.0509 | 1.000 | 39.32 | 39.34 | 1.086 | 1.085 | NO | 47.5 | 95.0 | 0.538 | |
| 47 | 51 13C9-Endosulfan II | 4.66e4 | 3.48e6 | 1.63 | NO | 0.0145 | 1.000 | 40.05 | 40.06 | 1.106 | 1.106 | NO | 46.3 | 92.5 | 1.89 | |
| 48 | 52 13C12-2,4'-DDD | 2.34e6 | 3.48e6 | 1.58 | NO | 0.768 | 1.000 | 38.24 | 38.28 | 1.453 | 1.451 | NO | 43.9 | 87.7 | 0.151 | |
| 49 | 53 13C12-2,4'-DDT | 8.60e5 | 3.48e6 | 1.60 | NO | 0.293 | 1.000 | 39.34 | 39.41 | 1.495 | 1.493 | NO | 42.2 | 84.4 | 0.397 | |
| 50 | 54 13C12-4,4'-DDD | 1.98e6 | 3.48e6 | 1.59 | NO | 0.654 | 1.000 | 39.47 | 39.53 | 1.500 | 1.498 | NO | 43.6 | 87.1 | 0.178 | |
| 51 | 55 13C12-4,4'-DDT | 6.74e5 | 3.48e6 | 1.61 | NO | 0.191 | 1.000 | 40.54 | 40.60 | 1.540 | 1.538 | NO | 50.9 | 102 | 0.609 | |
| 52 | 56 13C9-Endosulfan Sulf... | 7.05e4 | 3.48e6 | 1.62 | NO | 0.0203 | 1.000 | 41.76 | 41.78 | 1.153 | 1.153 | NO | 50.0 | 100 | 1.34 | |
| 53 | 57 13C12-Methoxychlor | 8.04e6 | 3.48e6 | 17.89 | NO | 0.231 | 1.000 | 43.61 | 43.64 | 1.205 | 1.204 | NO | 501 | 100 | 0.529 | |
| 54 | 58 13C10-Mirex | 8.06e5 | 3.48e6 | 1.55 | NO | 0.222 | 1.000 | 44.21 | 44.22 | 1.221 | 1.220 | NO | 52.3 | 105 | 0.123 | |
| 55 | 59 13C12-Endrin Aldehyde | 1.07e6 | 3.48e6 | 0.45 | NO | 0.0326 | 1.000 | 41.16 | 41.18 | 1.137 | 1.136 | NO | 471 | 94.1 | 1.62 | |
| 56 | 60 13C12-Endrin Ketone | 8.63e5 | 3.48e6 | 0.42 | NO | 0.0267 | 1.000 | 44.33 | 44.36 | 1.225 | 1.224 | NO | 465 | 93.0 | 1.97 | |
| 57 | 62 13C-PCB-15 | 3.48e6 | 3.48e6 | 1.49 | NO | 1.00 | 1.000 | 26.42 | 26.36 | 1.000 | 1.000 | NO | 50.0 | 100 | 0.0314 | |

Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-16-19-LIMITED.cdb 17 Oct 2019 09:53:15

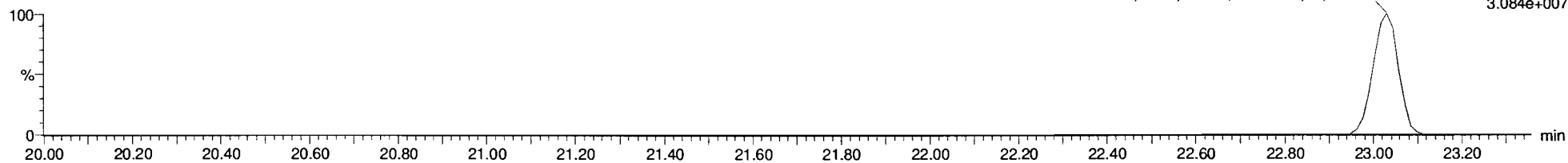
Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Hexachlorobenzene

191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

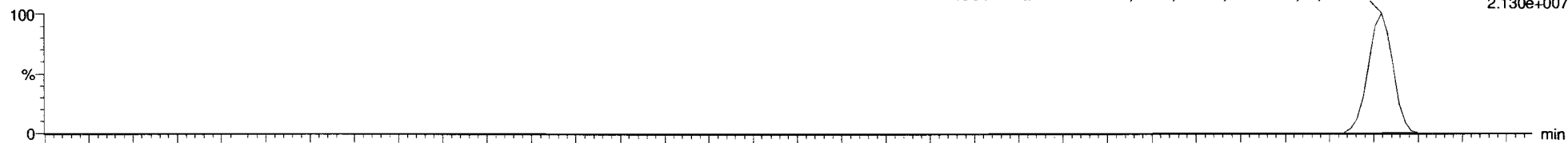


191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

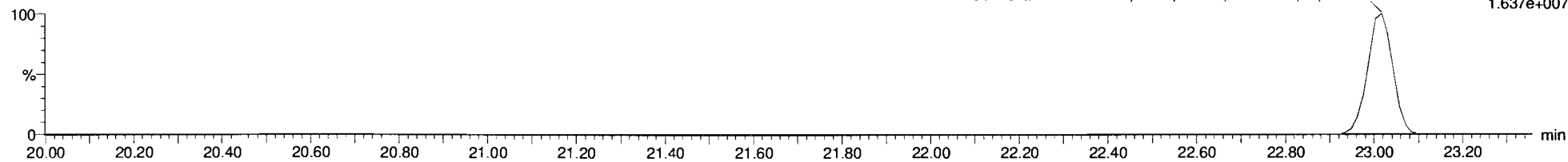


13C6-Hexachlorobenzene

191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208



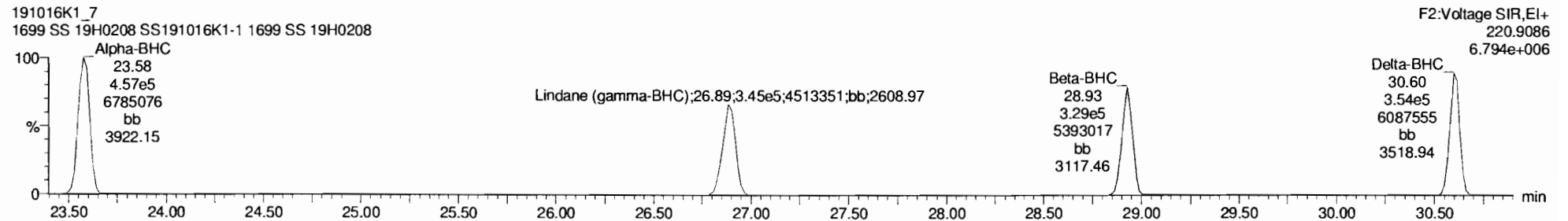
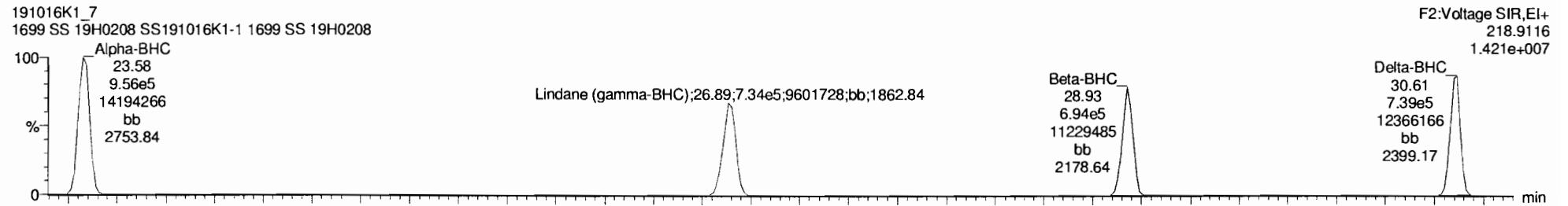
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

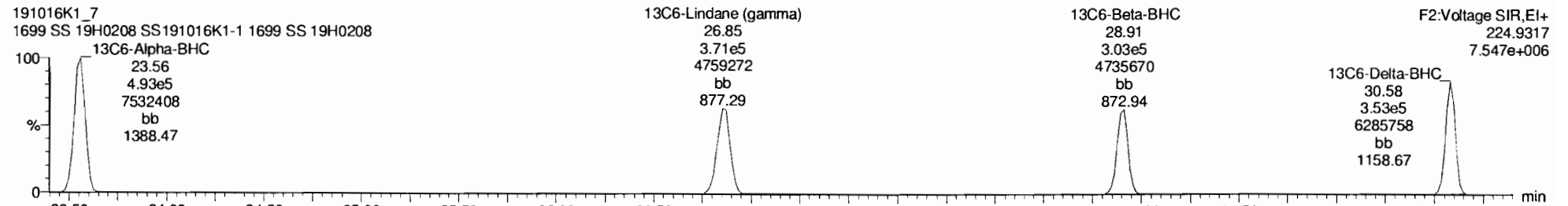
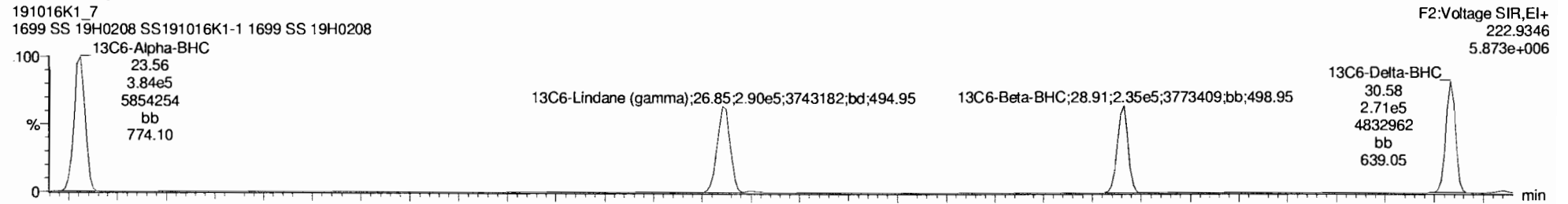
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

BHC Totals



BHC-isotopes



Dataset: Untitled

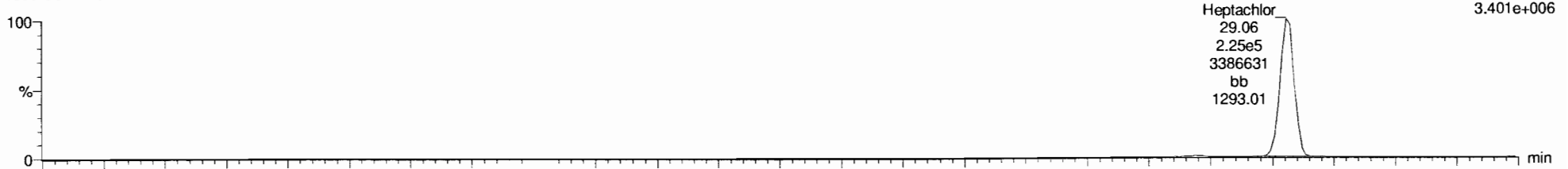
Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Heptachlor

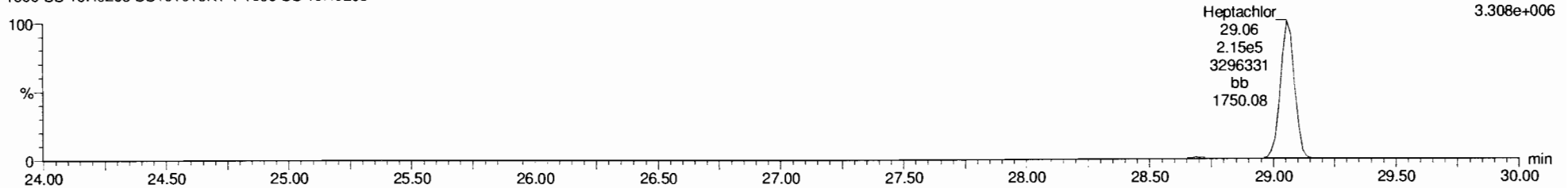
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F2:Voltage SIR,EI+
271.8102
3.401e+006



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

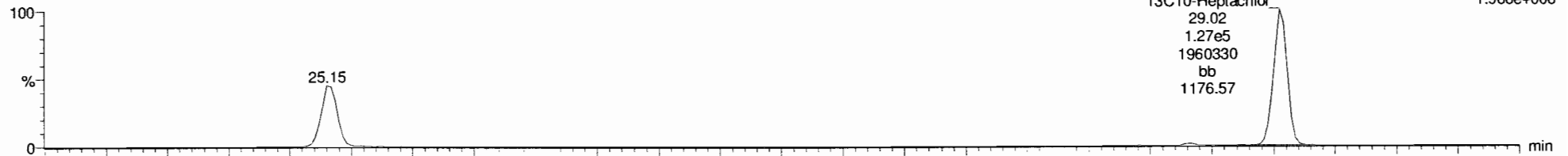
F2:Voltage SIR,EI+
273.8072
3.308e+006



13C10-Heptachlor

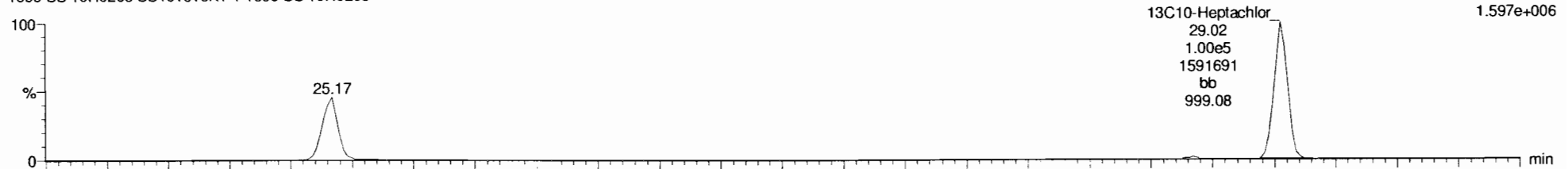
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F2:Voltage SIR,EI+
276.8269
1.966e+006



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F2:Voltage SIR,EI+
278.8240
1.597e+006



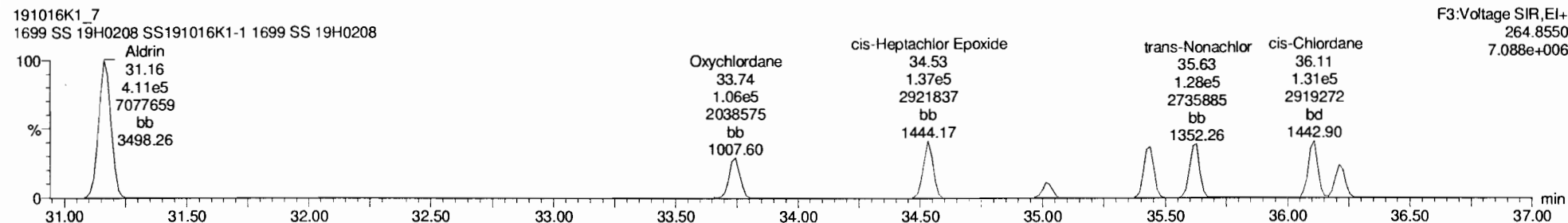
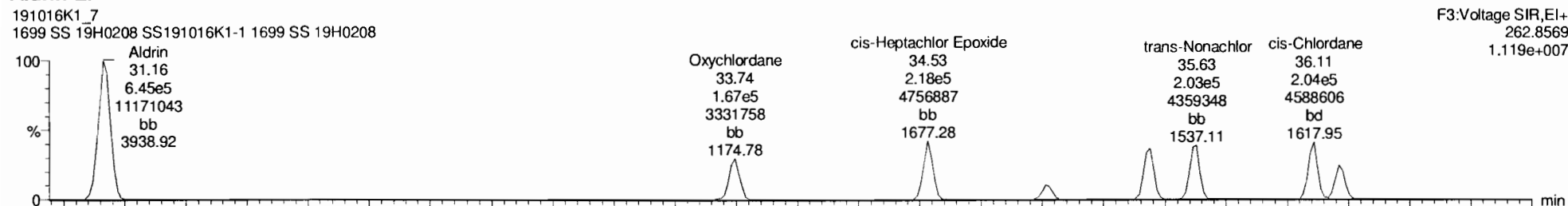
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

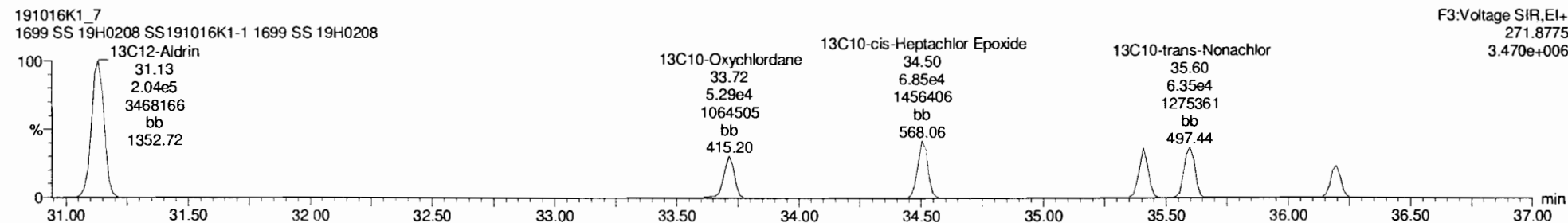
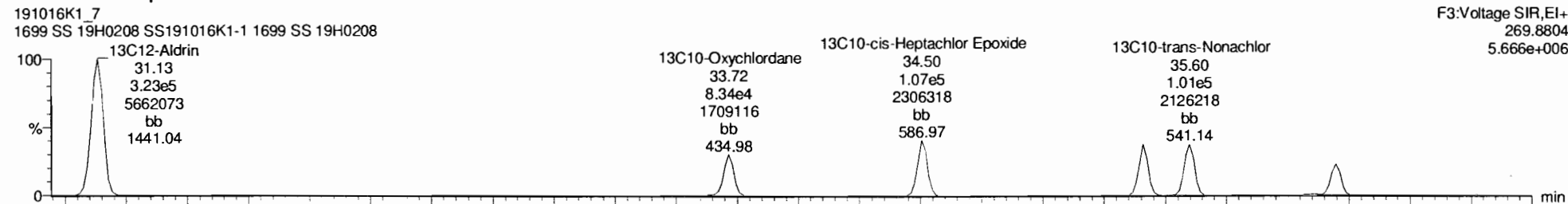
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

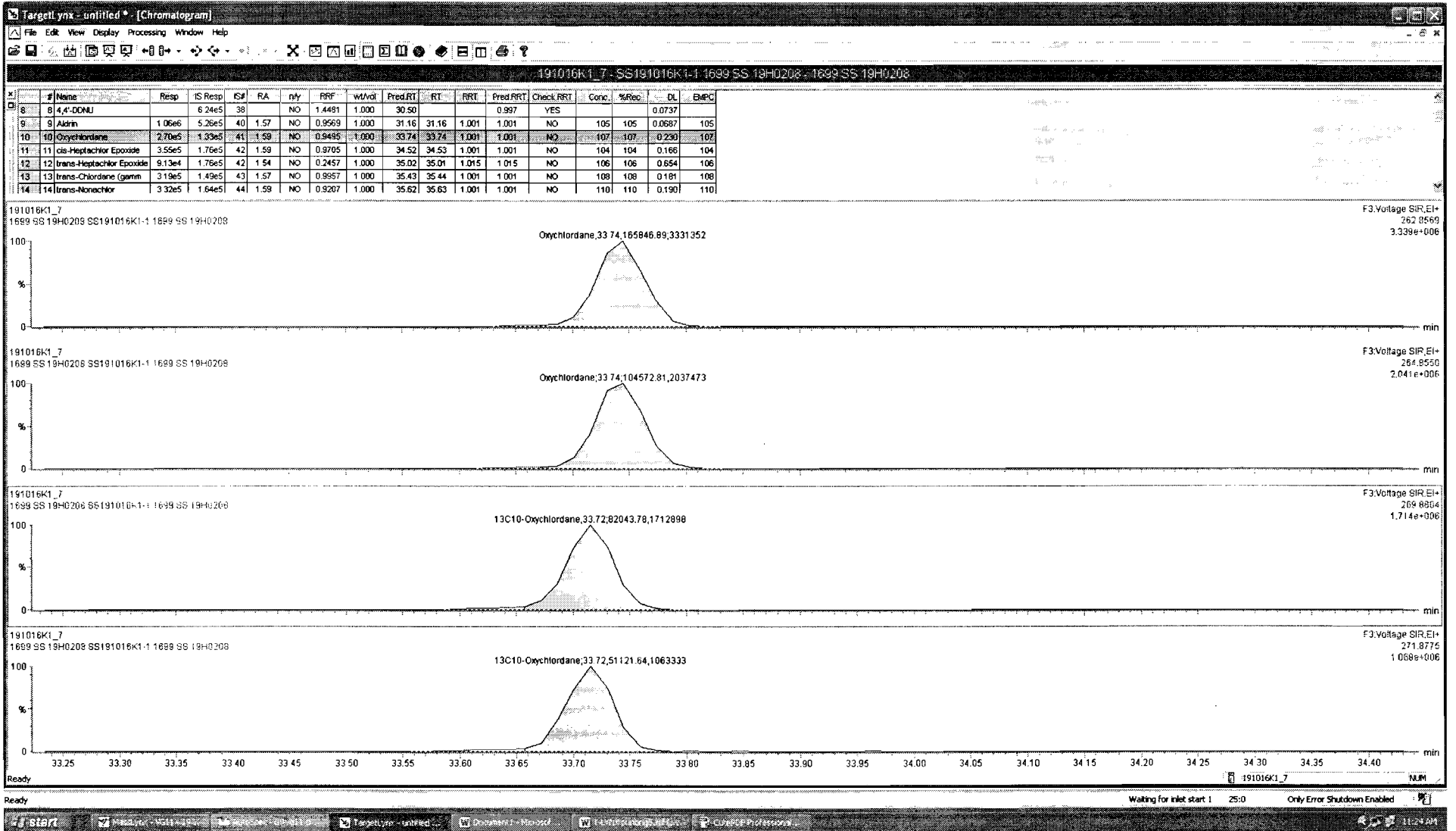
Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Aldrin-EI



Aldrin-EI-isotopes





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

DDMU-DDE

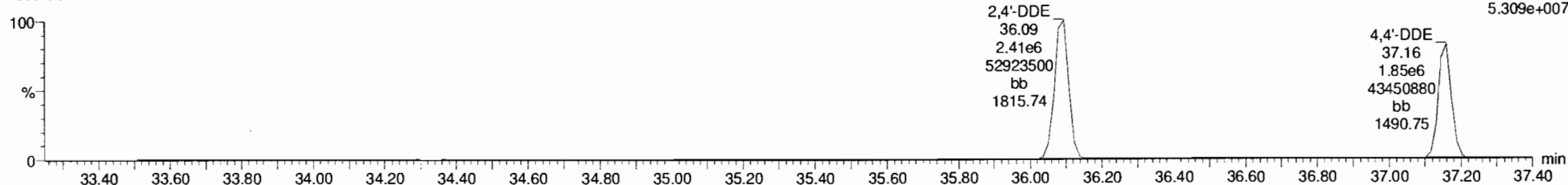
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F3:Voltage SIR,El+
246.0003
6.761e+007



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F3:Voltage SIR,El+
247.9974
5.309e+007



DDE-isotopes

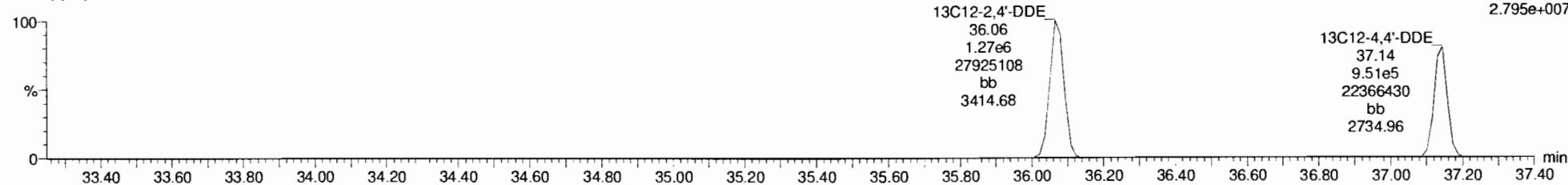
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F3:Voltage SIR,El+
258.0406
4.334e+007



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F3:Voltage SIR,El+
260.0376
2.795e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

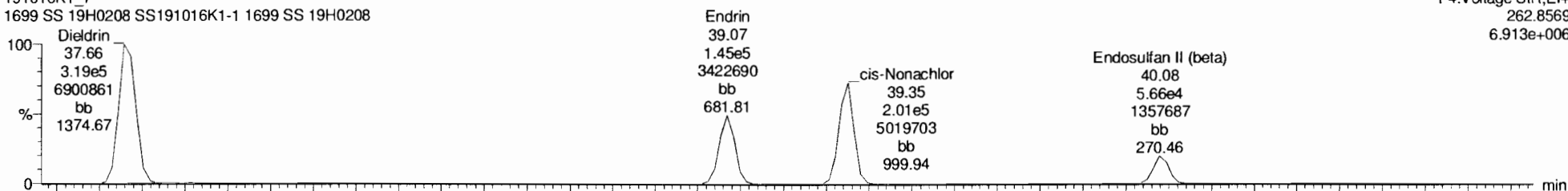
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Dieldrin-EII

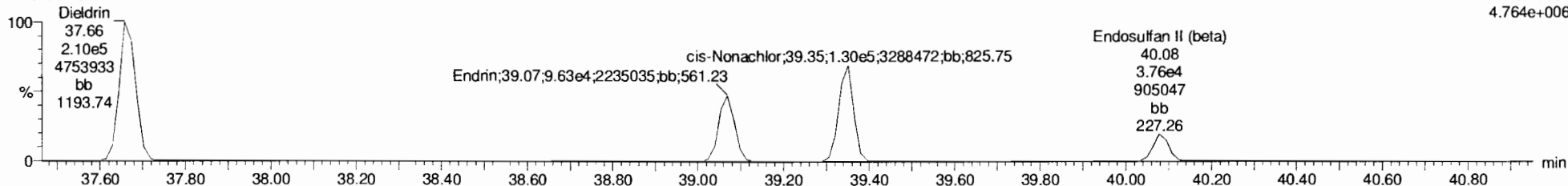
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F4:Voltage SIR,EI+
262.8569
6.913e+006



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

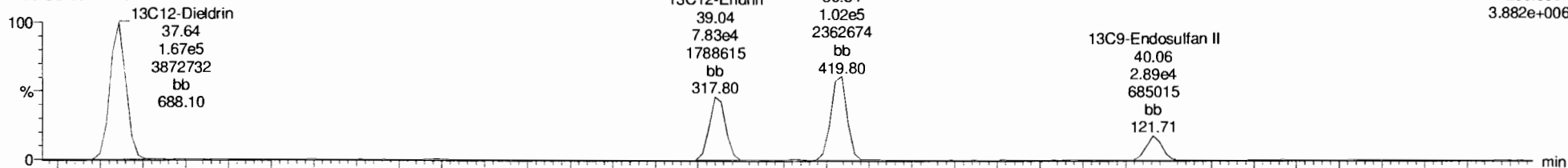
F4:Voltage SIR,EI+
264.8550
4.764e+006



Dieldrin-EII-isotopes

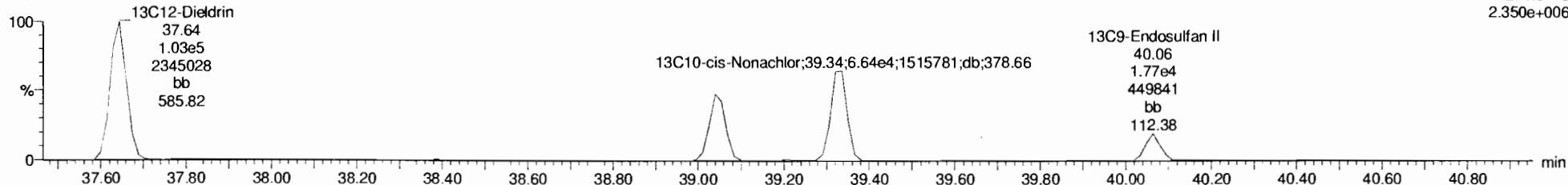
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

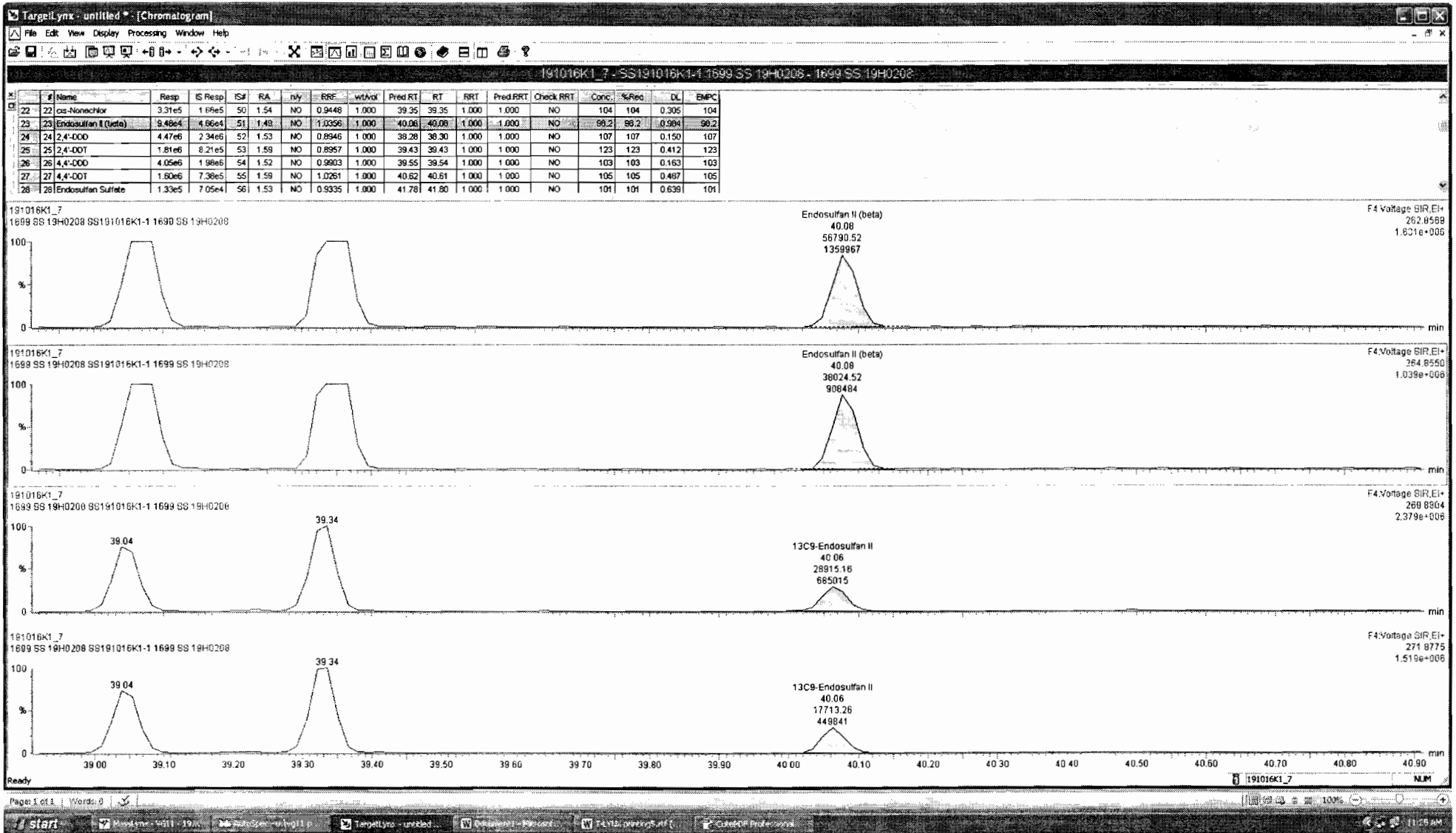
F4:Voltage SIR,EI+
269.8804
3.882e+006



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F4:Voltage SIR,EI+
271.8775
2.350e+006





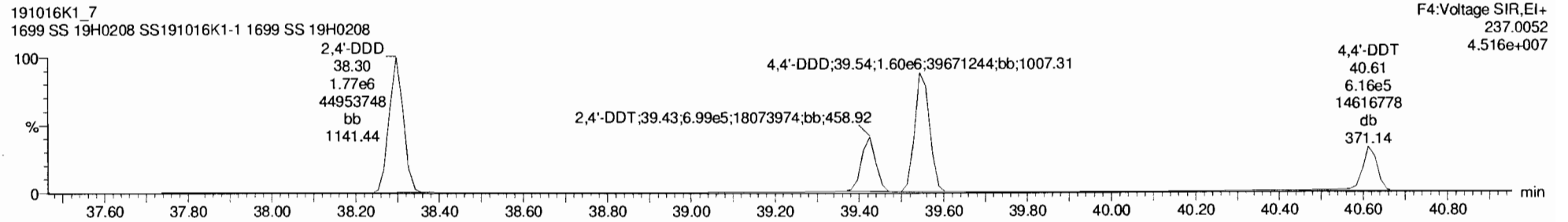
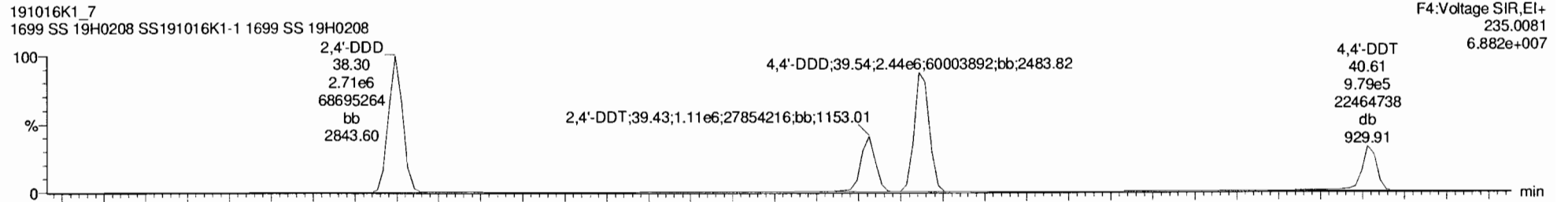
Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

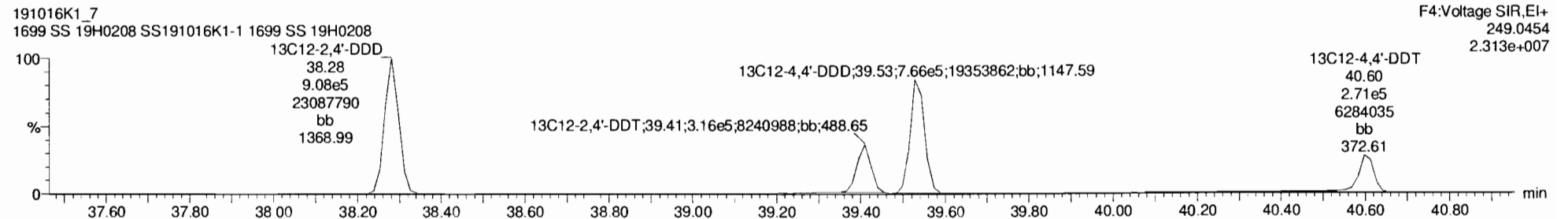
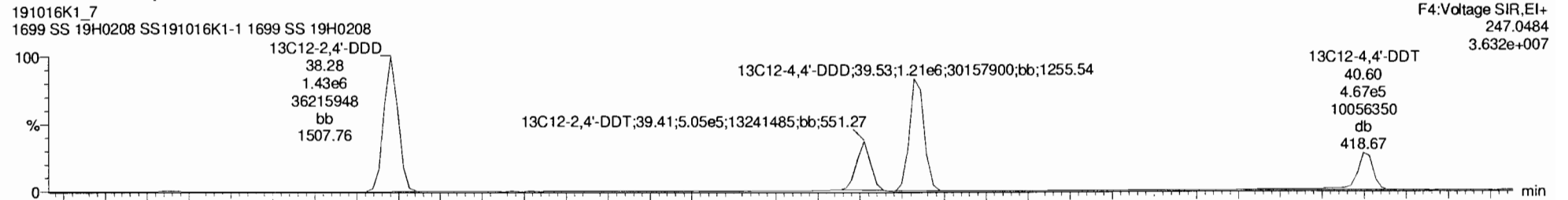
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

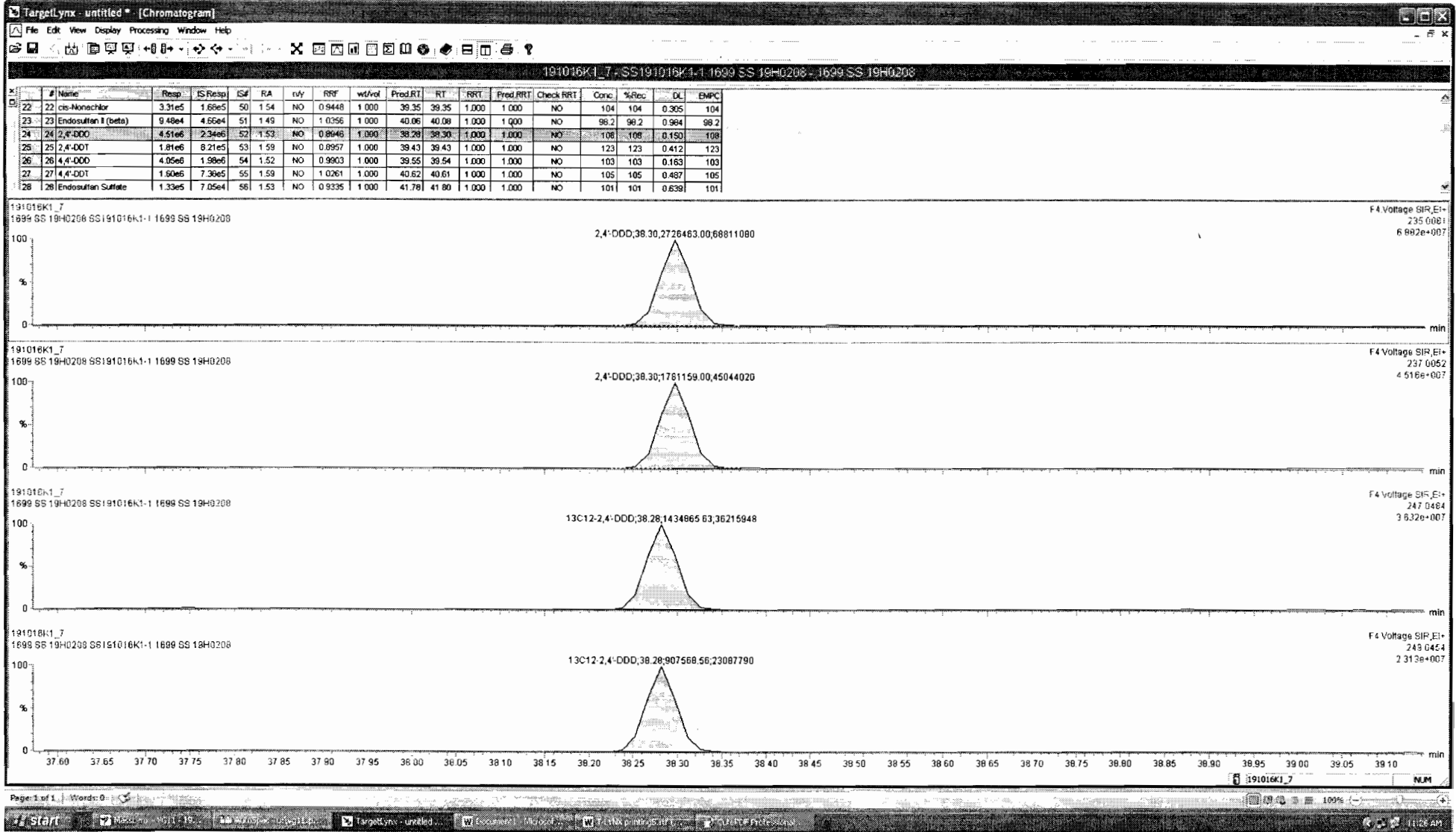
Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

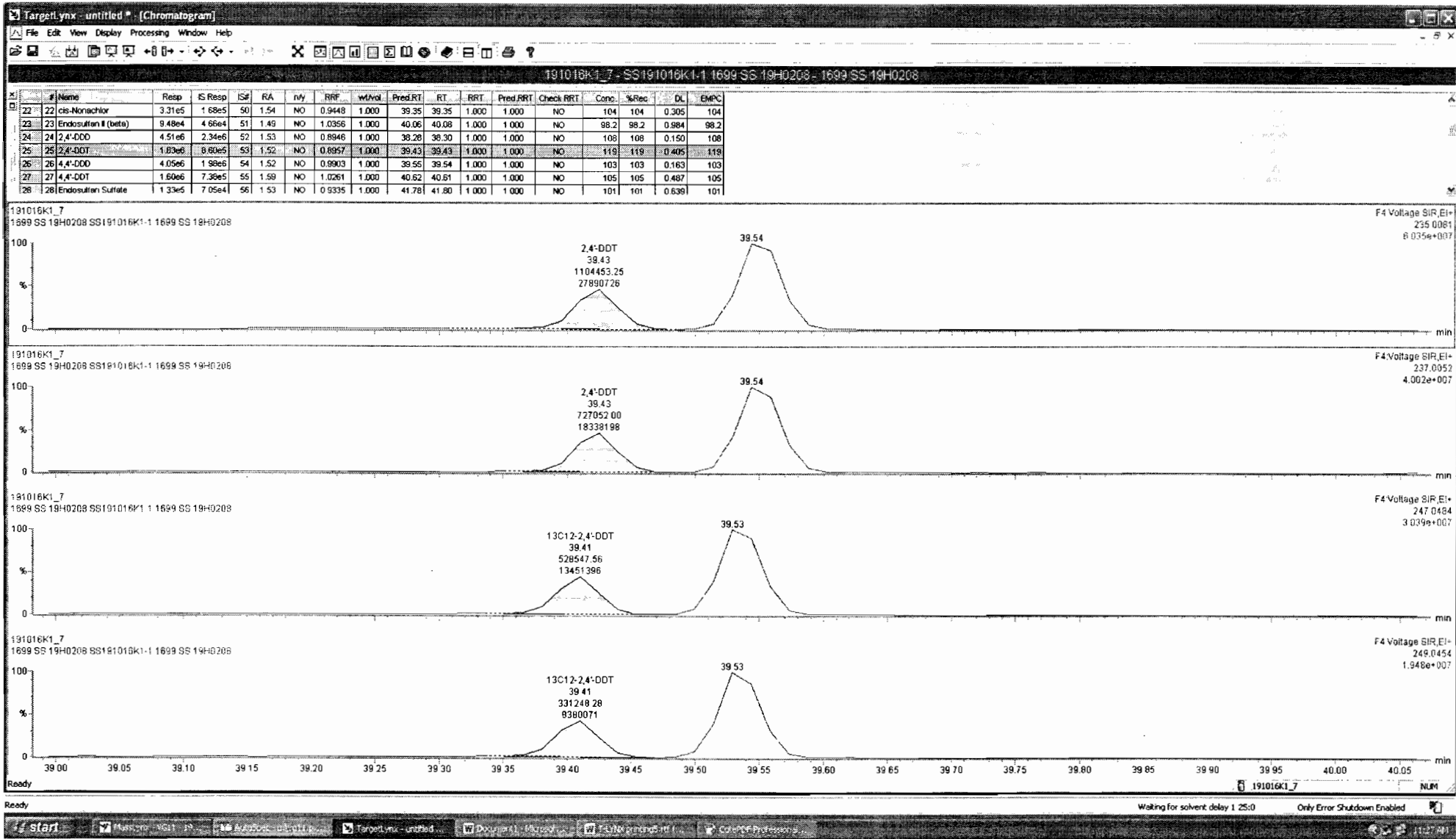
DDD-DDT

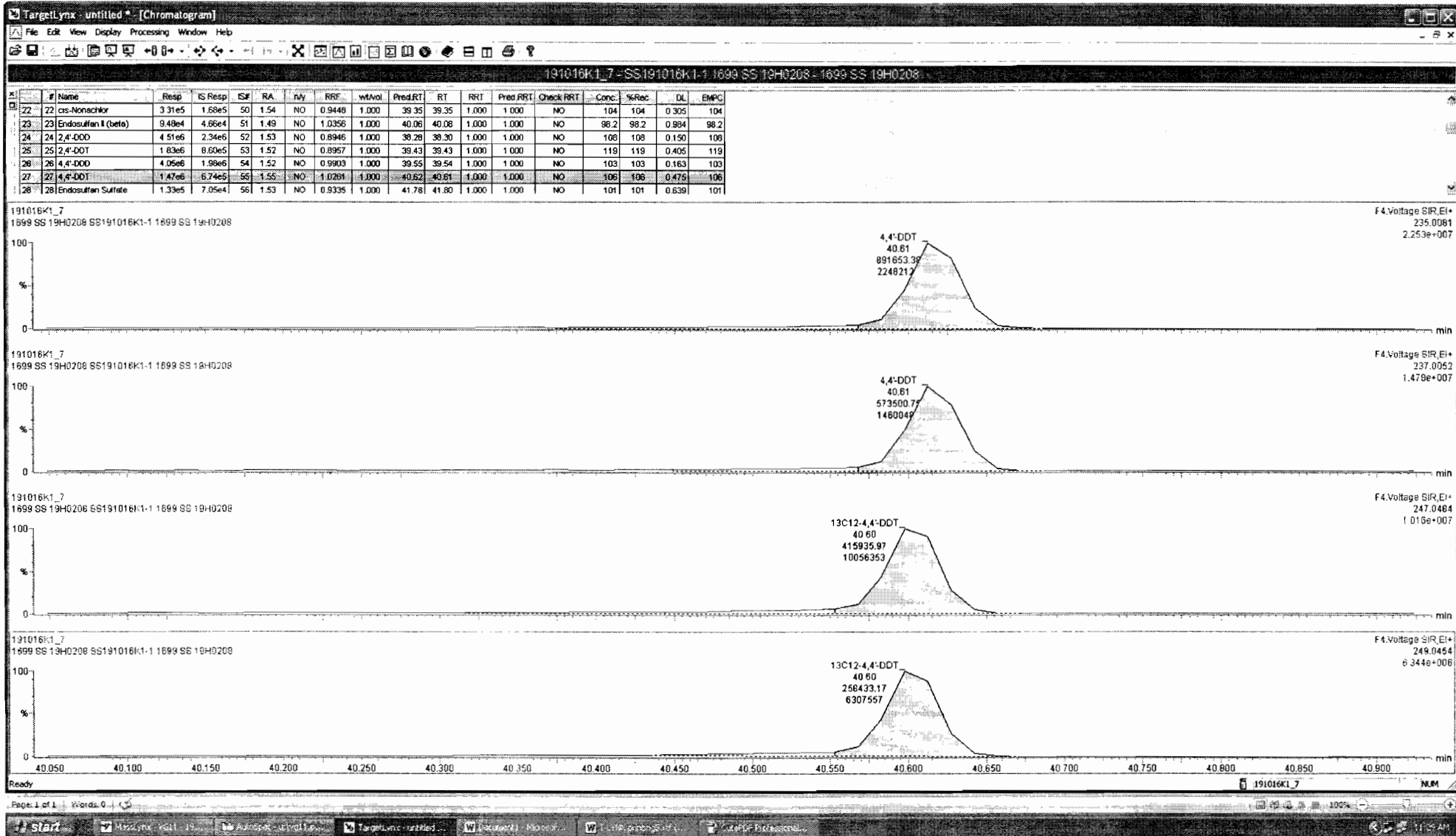


DDD-DDT-isotopes









Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

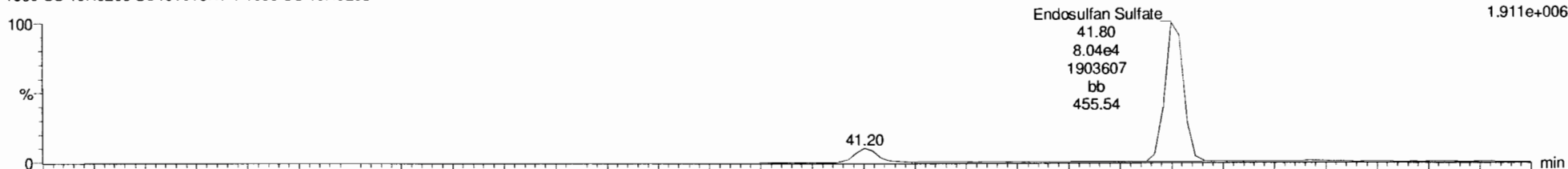
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Endosulfan Sulfate

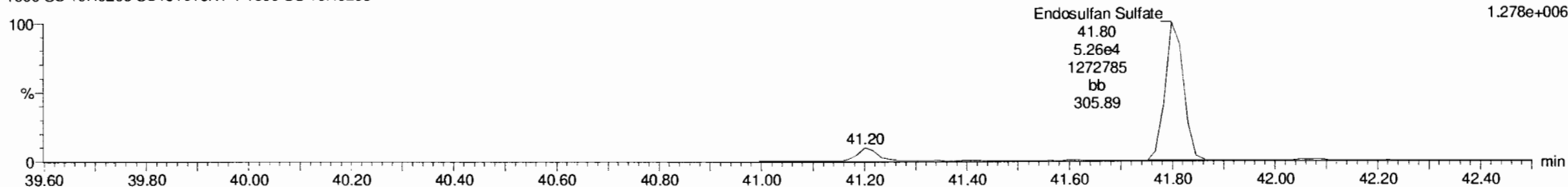
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
262.8569
1.911e+006



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

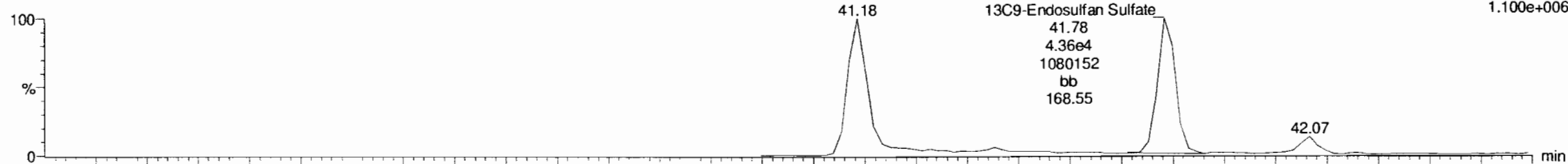
F5:Voltage SIR,EI+
264.8540
1.278e+006



13C9-Endosulfan Sulfate

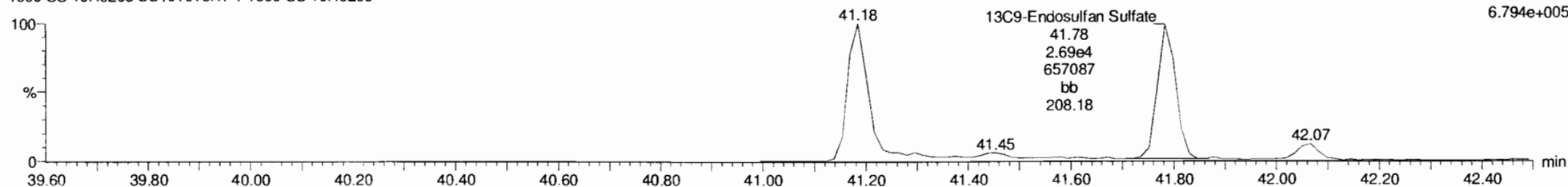
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
269.8804
1.100e+006



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
271.8775
6.794e+005



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

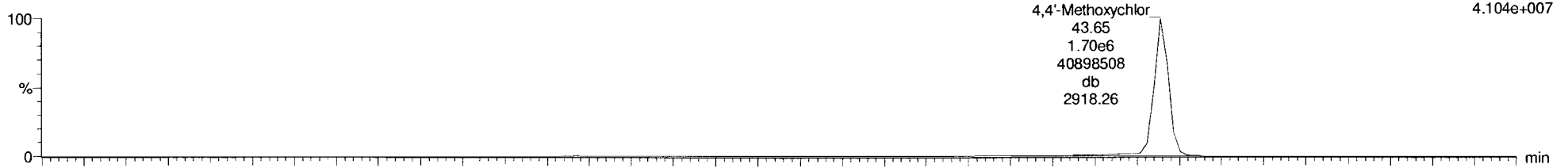
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

4,4'-Methoxychlor

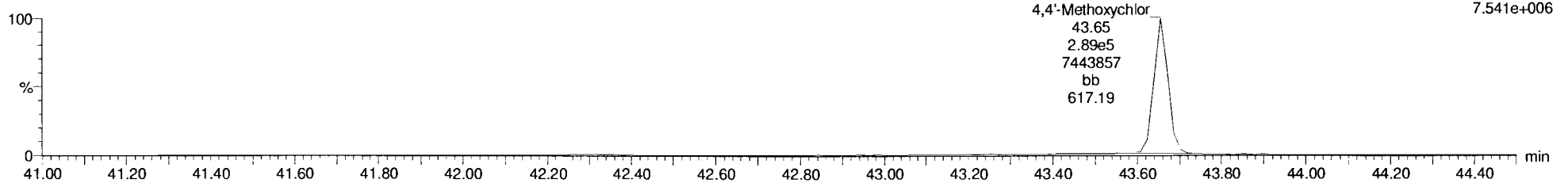
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
227.1072
4.104e+007



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

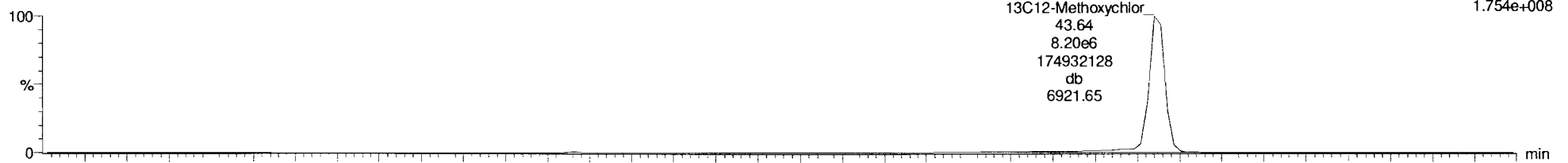
F5:Voltage SIR,EI+
228.1106
7.541e+006



13C12-Methoxychlor

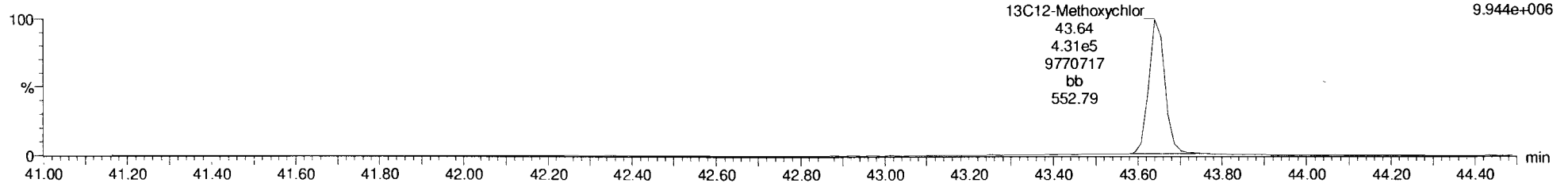
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

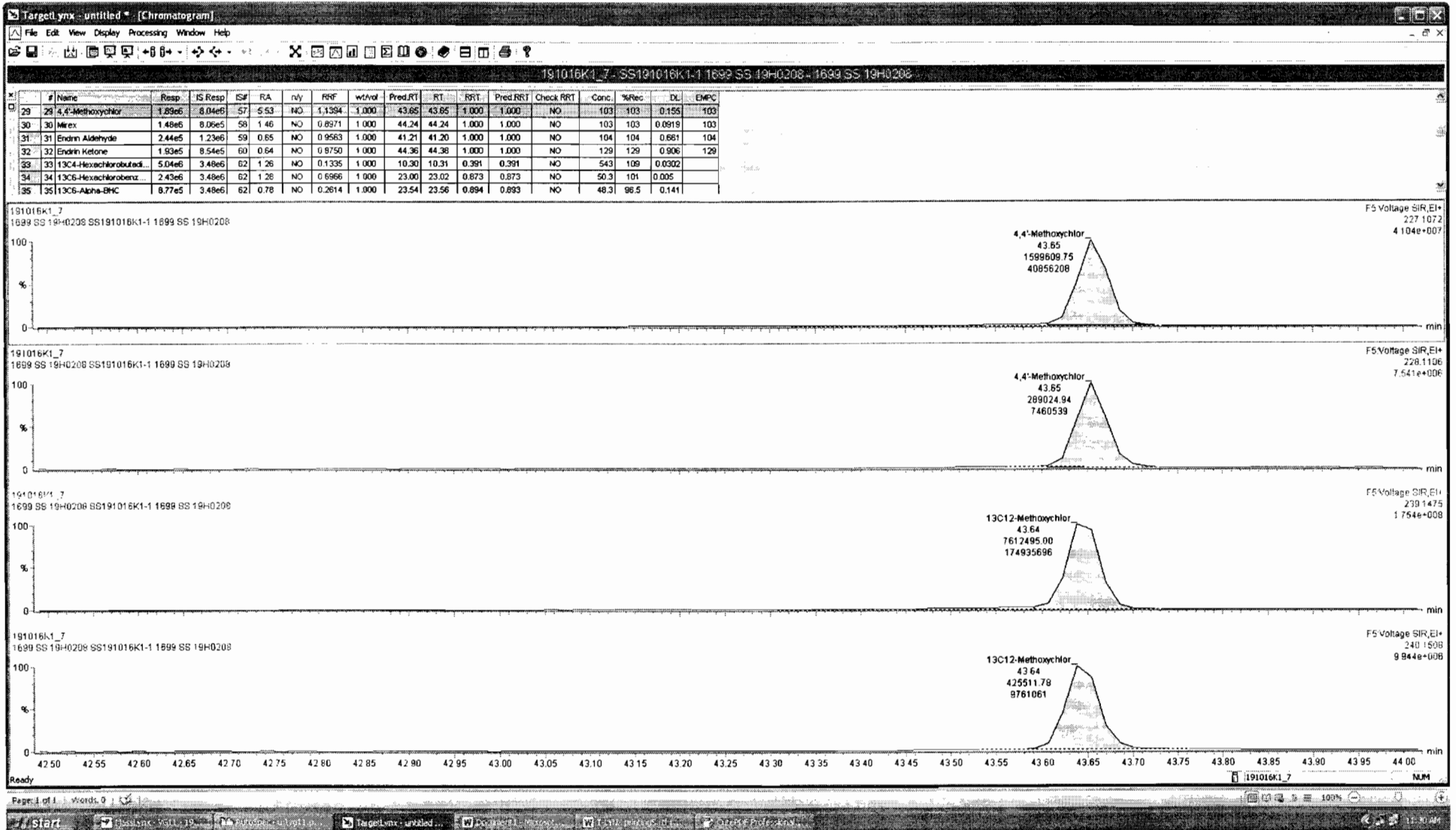
F5:Voltage SIR,EI+
239.1475
1.754e+008



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
240.1508
9.944e+006





Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

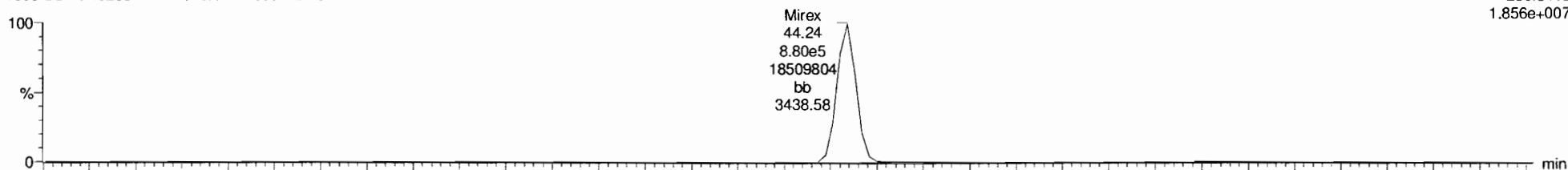
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Mirex

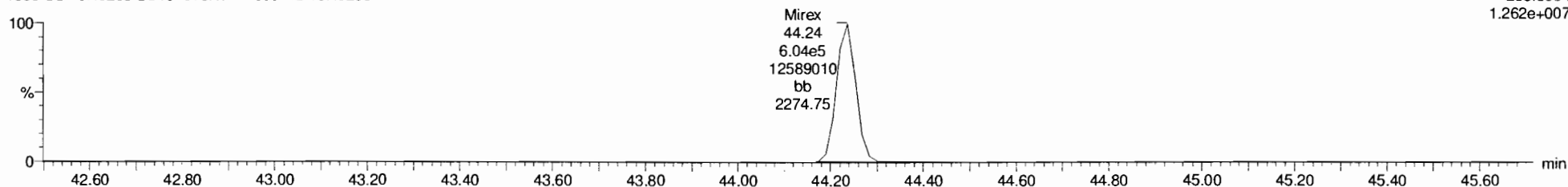
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
236.8413
1.856e+007



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

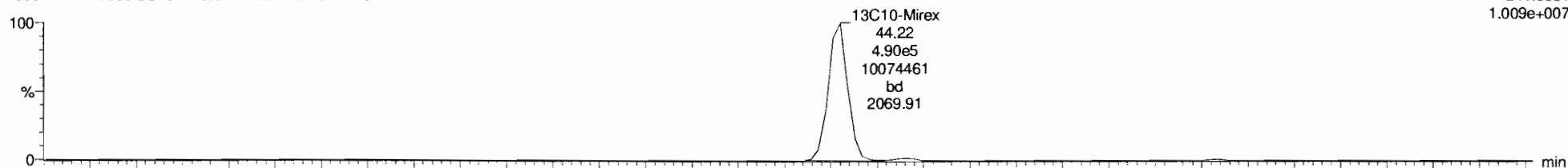
F5:Voltage SIR,EI+
238.8384
1.262e+007



13C10-Mirex

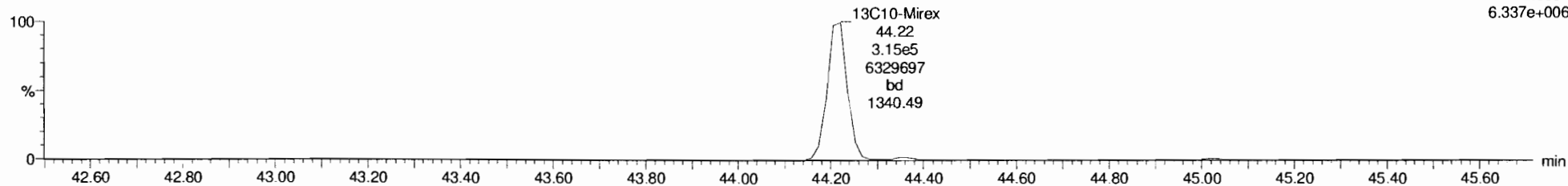
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
241.8581
1.009e+007



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
243.8551
6.337e+006



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

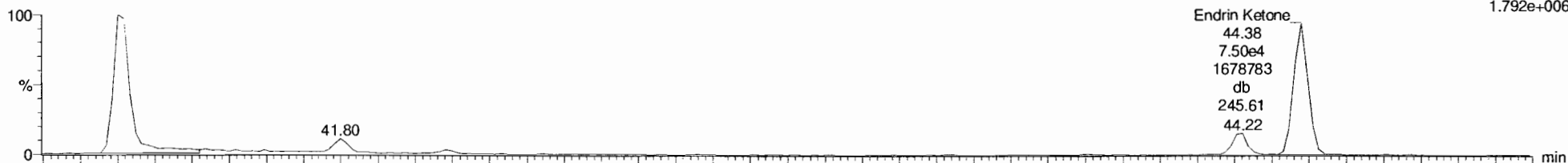
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

EA-EK

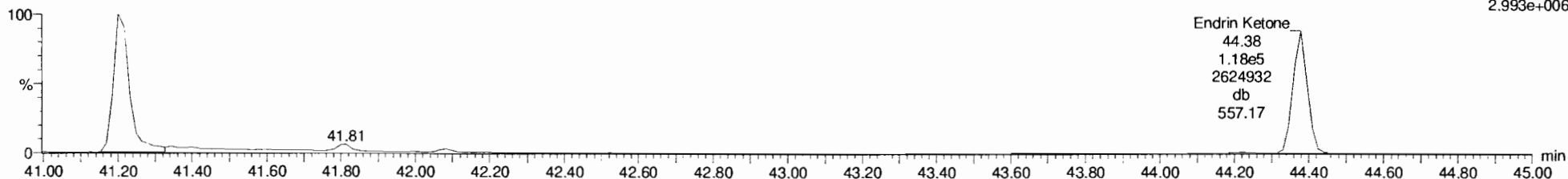
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
247.8521
1.792e+006



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

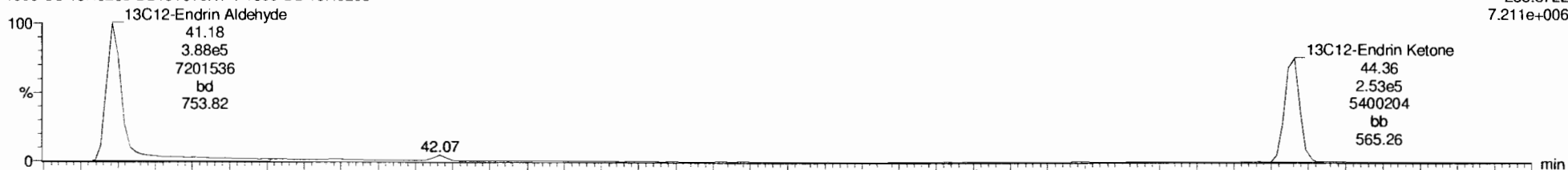
F5:Voltage SIR,EI+
249.8491
2.993e+006



EA-EK-isotopes

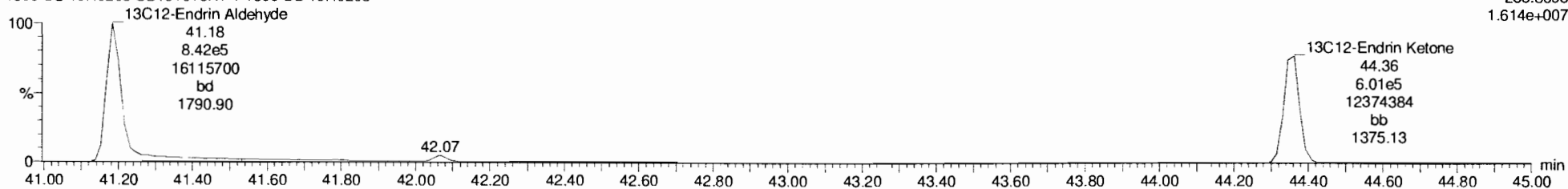
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

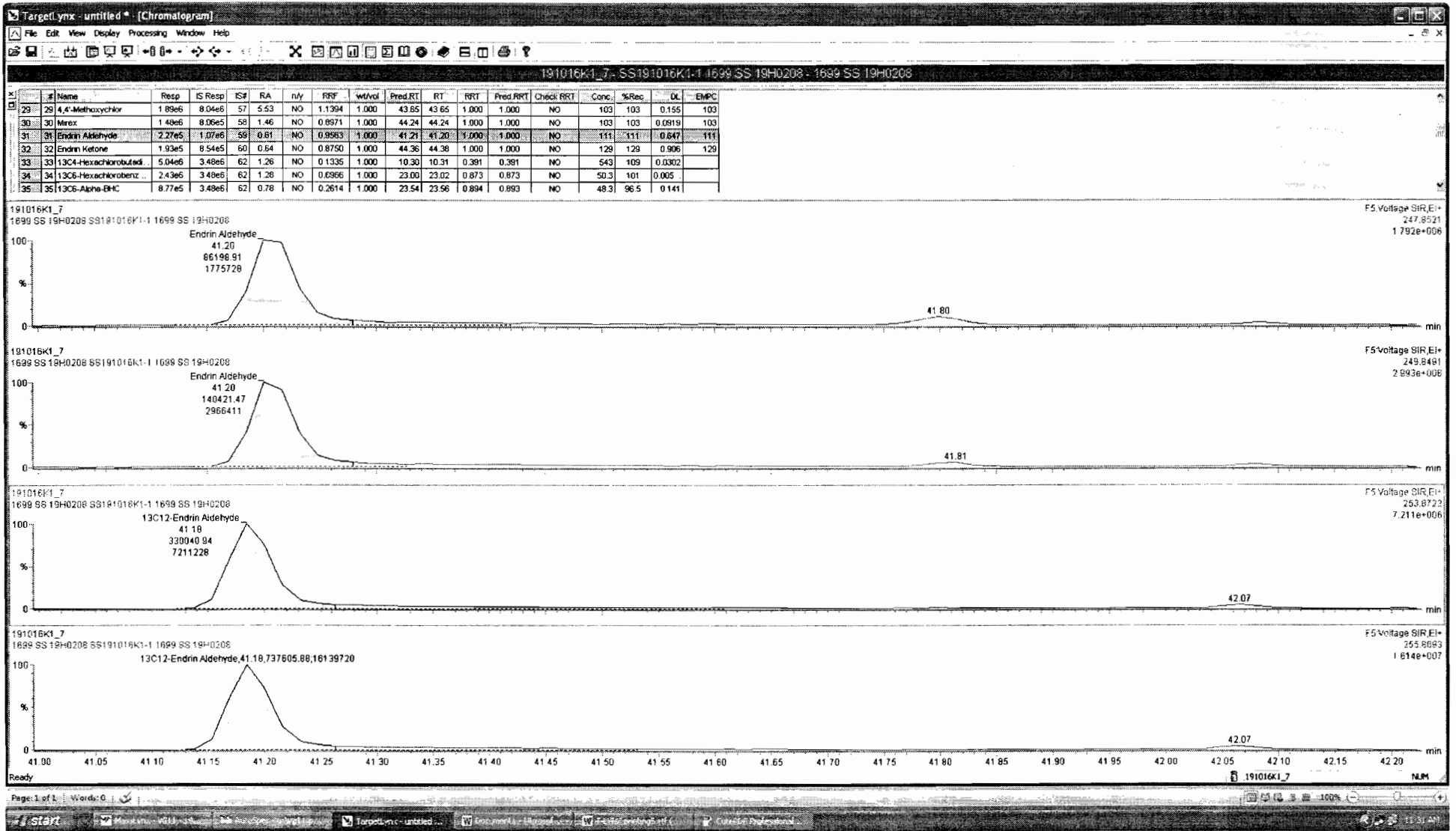
F5:Voltage SIR,EI+
253.8722
7.211e+006

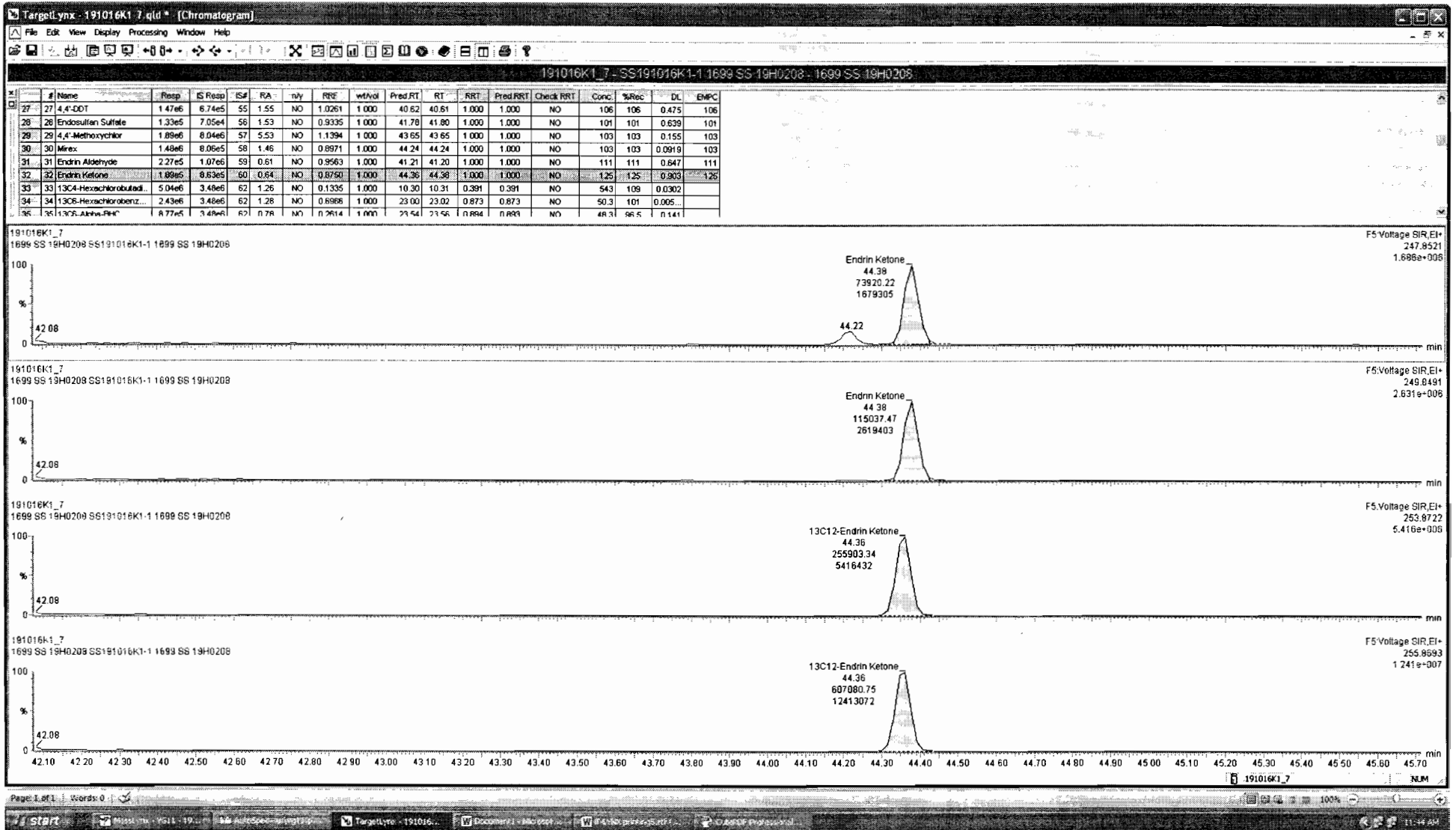


191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F5:Voltage SIR,EI+
255.8693
1.614e+007







Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

13C-PCB-15

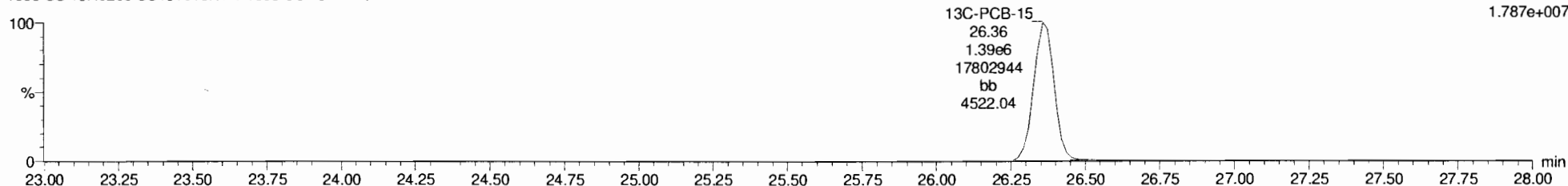
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F2:Voltage SIR,EI+
234.0406
2.644e+007



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F2:Voltage SIR,EI+
236.0376
1.787e+007



13C-PCB-60

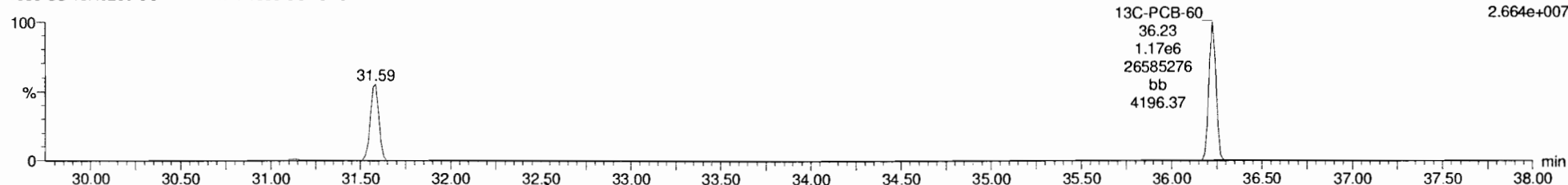
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F3:Voltage SIR,EI+
301.9626
1.897e+007



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F3:Voltage SIR,EI+
303.9597
2.664e+007



Dataset: Untitled

Last Altered: Thursday, October 17, 2019 11:45:52 AM Pacific Daylight Time

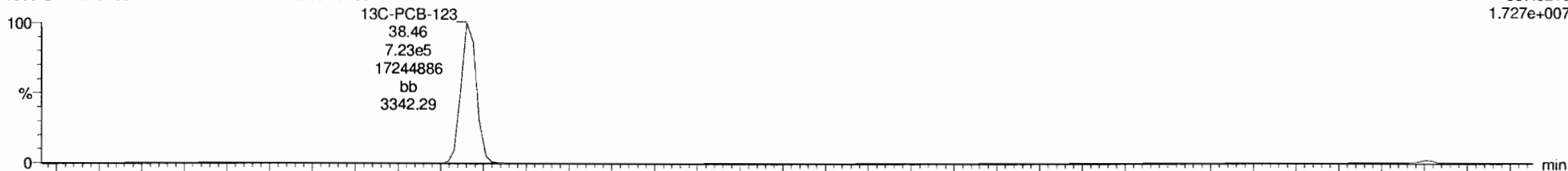
Printed: Thursday, October 17, 2019 11:46:11 AM Pacific Daylight Time

Name: 191016K1_7, Date: 16-Oct-2019, Time: 20:25:51, ID: SS191016K1-1 1699 SS 19H0208, Description: 1699 SS 19H0208

13C-PCB-123

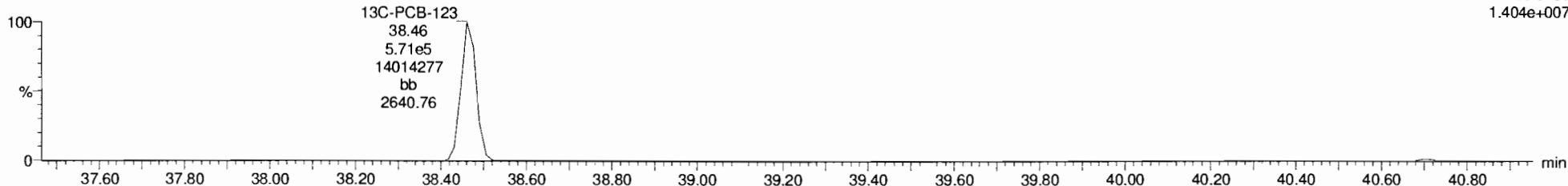
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F4:Voltage SIR,EI+
337.9210
1.727e+007



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

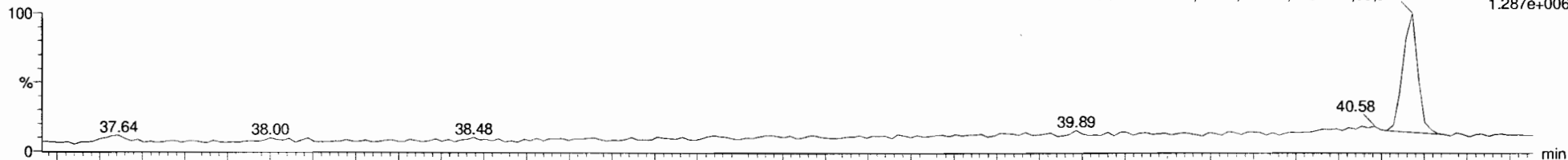
F4:Voltage SIR,EI+
339.9180
1.404e+007



13C-PARLAR 39

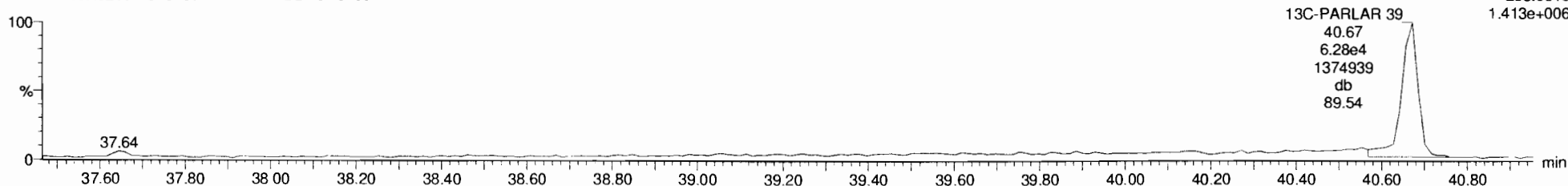
191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F4:Voltage SIR,EI+
251.9648
1.287e+006
13C-PARLAR 39;40.67;4.49e4;1104175;bb;36.72



191016K1_7
1699 SS 19H0208 SS191016K1-1 1699 SS 19H0208

F4:Voltage SIR,EI+
253.9619
1.413e+006



Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

GRB 10/22/19 AL 10/22/19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Compound name: Hexachlorobenzene
Response Factor: 0.83982
RRF SD: 0.0819838, Relative SD: 9.76207
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: RF

LIMITED: HIGH POINT FOR ENDOSULFAN I,
ENDOSULFAN II & LINDANE (GAMMA BHC)
@ 250

END RES CHECK RE-PROCESSED
MANUALLY w/ MORE PFK:
-PFK DRAIN OCCURED
RESULTING IN COLUMN
BLEED & SOME MASSES
DID NOT CENTROID
NO ADJUSTMENTS MADE
TO TUNING

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.18 | NO | 23.13 | 1.001 | 7.01e4 | 1.99e6 | 2.10 | 5.0 | 0.881 | bb |
| 2 | 191021K2_2 | 10.0 | 1.17 | NO | 23.13 | 1.001 | 2.96e5 | 1.73e6 | 10.2 | 2.1 | 0.858 | bb |
| 3 | 191021K2_3 | 100 | 1.16 | NO | 23.13 | 1.001 | 2.41e6 | 1.77e6 | 80.9 | -19.1 | 0.680 | bb |
| 4 | 191021K2_4 | 250 | 1.17 | NO | 23.14 | 1.001 | 8.19e6 | 1.89e6 | 259 | 3.4 | 0.869 | bb |
| 5 | 191021K2_5 | 50.0 | 1.17 | NO | 23.13 | 1.001 | 1.57e6 | 1.72e6 | 54.3 | 8.5 | 0.911 | bb |
| 6 | 191021K2_6 | 1200 | 1.16 | NO | 23.13 | 1.001 | 4.20e7 | 2.08e6 | 1200 | 0.0 | 0.840 | bb |

Compound name: Alpha-BHC
Response Factor: 0.751063
RRF SD: 0.0732467, Relative SD: 9.7524
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.98 | NO | 23.69 | 1.001 | 2.37e4 | 7.51e5 | 2.10 | 5.1 | 0.789 | MM |
| 2 | 191021K2_2 | 10.0 | 2.09 | NO | 23.69 | 1.001 | 9.38e4 | 6.37e5 | 9.79 | -2.1 | 0.736 | bb |
| 3 | 191021K2_3 | 100 | 2.09 | NO | 23.69 | 1.001 | 7.71e5 | 6.32e5 | 81.2 | -18.8 | 0.610 | bb |
| 4 | 191021K2_4 | 250 | 2.10 | NO | 23.69 | 1.001 | 2.64e6 | 6.73e5 | 262 | 4.6 | 0.786 | bb |
| 5 | 191021K2_5 | 50.0 | 2.07 | NO | 23.69 | 1.001 | 4.92e5 | 6.10e5 | 53.7 | 7.4 | 0.807 | bb |
| 6 | 191021K2_6 | 1200 | 2.10 | NO | 23.69 | 1.001 | 1.34e7 | 7.14e5 | 1250 | 3.8 | 0.780 | bb |

Compound name: Lindane (gamma-BHC)
Response Factor: 0.717285
RRF SD: 0.0865066, Relative SD: 12.0603
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 | 191021K2_1 | 2.00 | 2.08 | NO | 27.01 | 1.001 | 1.94e4 | 6.31e5 | 2.15 | 7.4 | 0.770 | MM |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: Lindane (gamma-BHC)

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 2 | 191021K2_2 | 10.0 | 2.15 | NO | 27.01 | 1.001 | 7.99e4 | 5.33e5 | 10.4 | 4.4 | 0.749 | bb |
| 3 | 191021K2_3 | 100 | 2.11 | NO | 27.01 | 1.001 | 6.18e5 | 5.39e5 | 79.9 | -20.1 | 0.573 | bb |
| 4 | 191021K2_4 | 250 | 2.12 | NO | 27.01 | 1.001 | 2.06e6 | 5.83e5 | 246 | -1.6 | 0.706 | bb |
| 5 | 191021K2_5 | 50.0 | 2.11 | NO | 27.01 | 1.001 | 3.92e5 | 4.97e5 | 55.0 | 9.9 | 0.789 | bb |
| 6 | 191021K2_6 | 1200 | 2.09 | NO | 27.01 | 1.001 | 1.08e7 | 8.22e5 | 913 | -23.9 | 0.546 | bbX |

Compound name: Beta-BHC

Response Factor: 0.870296
 RRF SD: 0.0862634, Relative SD: 9.91197
 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 | 191021K2_1 | 2.00 | 1.95 | NO | 29.04 | 1.001 | 1.74e4 | 4.90e5 | 2.04 | 1.9 | 0.886 | MM |
| 2 | 191021K2_2 | 10.0 | 2.08 | NO | 29.04 | 1.001 | 7.18e4 | 4.10e5 | 10.1 | 0.5 | 0.875 | bb |
| 3 | 191021K2_3 | 100 | 2.12 | NO | 29.02 | 1.001 | 5.62e5 | 4.01e5 | 80.5 | -19.5 | 0.701 | bb |
| 4 | 191021K2_4 | 250 | 2.09 | NO | 29.04 | 1.001 | 1.90e6 | 4.16e5 | 263 | 5.2 | 0.916 | bb |
| 5 | 191021K2_5 | 50.0 | 2.11 | NO | 29.02 | 1.001 | 3.52e5 | 3.74e5 | 54.1 | 8.2 | 0.941 | bb |
| 6 | 191021K2_6 | 1200 | 2.08 | NO | 29.02 | 1.001 | 1.01e7 | 4.64e5 | 1240 | 3.7 | 0.903 | bb |

Compound name: Delta-BHC

Response Factor: 0.817456
 RRF SD: 0.0814335, Relative SD: 9.96182
 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 | 191021K2_1 | 2.00 | 1.95 | NO | 30.71 | 1.001 | 1.80e4 | 5.42e5 | 2.04 | 1.9 | 0.833 | MM |
| 2 | 191021K2_2 | 10.0 | 2.15 | NO | 30.71 | 1.001 | 7.68e4 | 4.70e5 | 9.99 | -0.1 | 0.816 | bb |
| 3 | 191021K2_3 | 100 | 2.09 | NO | 30.69 | 1.001 | 6.06e5 | 4.59e5 | 80.7 | -19.3 | 0.659 | bb |
| 4 | 191021K2_4 | 250 | 2.08 | NO | 30.71 | 1.001 | 2.04e6 | 4.70e5 | 265 | 6.2 | 0.868 | bb |
| 5 | 191021K2_5 | 50.0 | 2.12 | NO | 30.69 | 1.001 | 3.81e5 | 4.30e5 | 54.2 | 8.5 | 0.887 | bb |
| 6 | 191021K2_6 | 1200 | 2.08 | NO | 30.69 | 1.001 | 1.08e7 | 5.37e5 | 1230 | 2.9 | 0.841 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: Heptachlor

Response Factor: 0.86831
 RRF SD: 0.0852756, Relative SD: 9.82087
 Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 0.95 | NO | 29.18 | 1.002 | 2.40e4 | 6.75e5 | 2.04 | 2.2 | 0.888 | bb |
| 2 | 191021K2_2 | 10.0 | 0.98 | NO | 29.17 | 1.001 | 8.01e4 | 4.67e5 | 9.87 | -1.3 | 0.857 | bb |
| 3 | 191021K2_3 | 100 | 1.03 | NO | 29.17 | 1.001 | 5.93e5 | 4.22e5 | 81.0 | -19.0 | 0.703 | bb |
| 4 | 191021K2_4 | 250 | 1.04 | NO | 29.18 | 1.001 | 1.87e6 | 4.10e5 | 262 | 4.9 | 0.911 | bb |
| 5 | 191021K2_5 | 50.0 | 1.02 | NO | 29.17 | 1.001 | 3.57e5 | 3.82e5 | 53.8 | 7.6 | 0.935 | bb |
| 6 | 191021K2_6 | 1200 | 1.05 | NO | 29.17 | 1.001 | 1.00e7 | 4.55e5 | 1270 | 5.6 | 0.917 | bb |

Compound name: Aldrin

Response Factor: 0.946313
 RRF SD: 0.0902832, Relative SD: 9.54052
 Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.73 | NO | 31.28 | 1.001 | 2.20e4 | 5.60e5 | 2.08 | 3.9 | 0.983 | MM |
| 2 | 191021K2_2 | 10.0 | 1.59 | NO | 31.28 | 1.001 | 8.94e4 | 4.68e5 | 10.1 | 1.0 | 0.955 | bb |
| 3 | 191021K2_3 | 100 | 1.57 | NO | 31.28 | 1.001 | 7.14e5 | 4.66e5 | 80.9 | -19.1 | 0.766 | bb |
| 4 | 191021K2_4 | 250 | 1.56 | NO | 31.28 | 1.001 | 2.32e6 | 4.68e5 | 262 | 4.7 | 0.990 | bb |
| 5 | 191021K2_5 | 50.0 | 1.58 | NO | 31.26 | 1.001 | 4.52e5 | 4.48e5 | 53.3 | 6.6 | 1.01 | bb |
| 6 | 191021K2_6 | 1200 | 1.56 | NO | 31.26 | 1.001 | 1.22e7 | 5.20e5 | 1240 | 3.1 | 0.975 | bb |

Compound name: Oxychlordan

Response Factor: 0.926183
 RRF SD: 0.10675, Relative SD: 11.5257
 Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.60 | NO | 33.85 | 1.001 | 6.28e3 | 1.55e5 | 2.19 | 9.3 | 1.01 | MM |
| 2 | 191021K2_2 | 10.0 | 1.54 | NO | 33.83 | 1.000 | 2.33e4 | 1.32e5 | 9.54 | -4.6 | 0.883 | bb |
| 3 | 191021K2_3 | 100 | 1.54 | NO | 33.85 | 1.001 | 1.81e5 | 1.24e5 | 78.8 | -21.2 | 0.730 | MM |
| 4 | 191021K2_4 | 250 | 1.58 | NO | 33.85 | 1.001 | 5.86e5 | 1.20e5 | 263 | 5.2 | 0.974 | MM |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: Oxychlordane

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191021K2_5 | 50.0 | 1.58 | NO | 33.83 | 1.001 | 1.15e5 | 1.14e5 | 54.3 | 8.6 | 1.01 | MM |
| 6 | 191021K2_6 | 1200 | 1.58 | NO | 33.83 | 1.000 | 3.20e6 | 1.40e5 | 1230 | 2.8 | 0.952 | MM |

Compound name: cis-Heptachlor Epoxide

Response Factor: 0.936593

RRF SD: 0.105408, Relative SD: 11.2544

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.61 | NO | 34.62 | 1.000 | 8.64e3 | 2.10e5 | 2.20 | 9.9 | 1.03 | bb |
| 2 | 191021K2_2 | 10.0 | 1.53 | NO | 34.62 | 1.001 | 3.18e4 | 1.72e5 | 9.85 | -1.5 | 0.923 | bb |
| 3 | 191021K2_3 | 100 | 1.54 | NO | 34.62 | 1.000 | 2.38e5 | 1.61e5 | 78.8 | -21.2 | 0.738 | bb |
| 4 | 191021K2_4 | 250 | 1.56 | NO | 34.63 | 1.001 | 7.75e5 | 1.59e5 | 261 | 4.2 | 0.976 | bb |
| 5 | 191021K2_5 | 50.0 | 1.66 | NO | 34.62 | 1.001 | 1.50e5 | 1.48e5 | 54.0 | 7.9 | 1.01 | bb |
| 6 | 191021K2_6 | 1200 | 1.56 | NO | 34.62 | 1.000 | 4.21e6 | 1.86e5 | 1210 | 0.6 | 0.942 | bb |

Compound name: trans-Heptachlor Epoxide

Response Factor: 0.23844

RRF SD: 0.0308453, Relative SD: 12.9363

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.57 | NO | 35.12 | 1.015 | 2.29e3 | 2.10e5 | 2.28 | 14.2 | 0.272 | MM |
| 2 | 191021K2_2 | 10.0 | 1.60 | NO | 35.12 | 1.015 | 7.96e3 | 1.72e5 | 9.67 | -3.3 | 0.231 | MM |
| 3 | 191021K2_3 | 100 | 1.59 | NO | 35.12 | 1.015 | 5.87e4 | 1.61e5 | 76.5 | -23.5 | 0.182 | bb |
| 4 | 191021K2_4 | 250 | 1.59 | NO | 35.12 | 1.015 | 1.97e5 | 1.59e5 | 260 | 3.9 | 0.248 | bb |
| 5 | 191021K2_5 | 50.0 | 1.59 | NO | 35.12 | 1.015 | 3.79e4 | 1.48e5 | 53.7 | 7.4 | 0.256 | bb |
| 6 | 191021K2_6 | 1200 | 1.57 | NO | 35.12 | 1.015 | 1.08e6 | 1.86e5 | 1220 | 1.3 | 0.241 | bb |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: trans-Chlordane (gamma)

Response Factor: 0.980426

RRF SD: 0.133664, Relative SD: 13.6332

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.48 | NO | 35.53 | 1.001 | 7.07e3 | 1.52e5 | 2.38 | 18.9 | 1.17 | MM |
| 2 | 191021K2_2 | 10.0 | 1.59 | NO | 35.53 | 1.001 | 2.55e4 | 1.33e5 | 9.76 | -2.4 | 0.957 | bb |
| 3 | 191021K2_3 | 100 | 1.56 | NO | 35.53 | 1.000 | 2.02e5 | 1.27e5 | 81.1 | -18.9 | 0.795 | bb |
| 4 | 191021K2_4 | 250 | 1.54 | NO | 35.53 | 1.000 | 6.55e5 | 1.32e5 | 253 | 1.4 | 0.994 | bb |
| 5 | 191021K2_5 | 50.0 | 1.60 | NO | 35.53 | 1.001 | 1.27e5 | 1.17e5 | 55.4 | 10.7 | 1.09 | bb |
| 6 | 191021K2_6 | 1200 | 1.54 | NO | 35.53 | 1.000 | 3.57e6 | 1.68e5 | 1080 | -9.7 | 0.886 | bb |

Compound name: trans-Nonachlor

Response Factor: 0.902065

RRF SD: 0.10804, Relative SD: 11.9769

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.66 | NO | 35.72 | 1.001 | 7.19e3 | 1.75e5 | 2.27 | 13.6 | 1.02 | MM |
| 2 | 191021K2_2 | 10.0 | 1.66 | NO | 35.72 | 1.001 | 2.66e4 | 1.49e5 | 9.87 | -1.3 | 0.890 | bb |
| 3 | 191021K2_3 | 100 | 1.54 | NO | 35.72 | 1.001 | 2.09e5 | 1.45e5 | 80.3 | -19.7 | 0.724 | bb |
| 4 | 191021K2_4 | 250 | 1.54 | NO | 35.71 | 1.000 | 6.79e5 | 1.47e5 | 256 | 2.6 | 0.925 | bb |
| 5 | 191021K2_5 | 50.0 | 1.57 | NO | 35.72 | 1.001 | 1.33e5 | 1.34e5 | 55.1 | 10.3 | 0.995 | bb |
| 6 | 191021K2_6 | 1200 | 1.55 | NO | 35.72 | 1.001 | 3.60e6 | 1.76e5 | 1130 | -5.4 | 0.853 | bb |

Compound name: cis-Chlordane

Response Factor: 0.898807

RRF SD: 0.0997717, Relative SD: 11.1005

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.46 | NO | 36.20 | 1.014 | 6.81e3 | 1.75e5 | 2.16 | 8.0 | 0.971 | bd |
| 2 | 191021K2_2 | 10.0 | 1.56 | NO | 36.20 | 1.014 | 2.70e4 | 1.49e5 | 10.1 | 0.6 | 0.904 | bd |
| 3 | 191021K2_3 | 100 | 1.58 | NO | 36.20 | 1.014 | 2.07e5 | 1.45e5 | 79.8 | -20.2 | 0.717 | bd |
| 4 | 191021K2_4 | 250 | 1.54 | NO | 36.20 | 1.014 | 6.89e5 | 1.47e5 | 261 | 4.5 | 0.939 | bd |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: cis-Chlordane

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped | |
|------|------------|------|------|----|-------|-------|---------|--------|------|------|-------------|----|
| 5 | 191021K2_5 | 50.0 | 1.57 | NO | 36.20 | 1.014 | 1.33e5 | 1.34e5 | 55.3 | 10.5 | 0.993 | bd |
| 6 | 191021K2_6 | 1200 | 1.55 | NO | 36.20 | 1.014 | 3.67e6 | 1.76e5 | 1160 | -3.3 | 0.869 | bd |

Compound name: Endosulfan I (alpha)

Response Factor: 1.03477

RRF SD: 0.205153, Relative SD: 19.826

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped | |
|------|------------|------|------|----|-------|-------|---------|--------|------|-------|-------------|-----|
| 1 | 191021K2_1 | 10.0 | 1.64 | NO | 36.31 | 1.001 | 2.71e4 | 1.03e5 | 12.7 | 27.3 | 1.32 | MM |
| 2 | 191021K2_2 | 15.0 | 1.58 | NO | 36.30 | 1.000 | 3.00e4 | 8.71e4 | 16.6 | 10.7 | 1.15 | db |
| 3 | 191021K2_3 | 100 | 1.61 | NO | 36.31 | 1.001 | 1.31e5 | 8.43e4 | 75.1 | -24.9 | 0.778 | db |
| 4 | 191021K2_4 | 250 | 1.58 | NO | 36.31 | 1.001 | 4.23e5 | 8.94e4 | 229 | -8.6 | 0.946 | db |
| 5 | 191021K2_5 | 50.0 | 1.60 | NO | 36.30 | 1.000 | 7.86e4 | 7.96e4 | 47.7 | -4.6 | 0.987 | db |
| 6 | 191021K2_6 | 1200 | 1.56 | NO | 36.30 | 1.000 | 2.29e6 | 1.38e5 | 800 | -33.3 | 0.690 | MMX |

Compound name: 2,4'-DDE

Response Factor: 0.757534

RRF SD: 0.0796173, Relative SD: 10.5101

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped | |
|------|------------|------|------|----|-------|-------|---------|--------|------|-------|-------------|----|
| 1 | 191021K2_1 | 2.00 | 1.24 | NO | 36.18 | 1.000 | 9.81e4 | 2.94e6 | 2.20 | 10.2 | 0.835 | MM |
| 2 | 191021K2_2 | 10.0 | 1.23 | NO | 36.18 | 1.000 | 4.00e5 | 2.58e6 | 10.2 | 2.5 | 0.776 | MM |
| 3 | 191021K2_3 | 100 | 1.23 | NO | 36.18 | 1.000 | 3.00e6 | 2.47e6 | 80.2 | -19.8 | 0.607 | bb |
| 4 | 191021K2_4 | 250 | 1.22 | NO | 36.18 | 1.000 | 9.78e6 | 2.57e6 | 251 | 0.5 | 0.761 | bb |
| 5 | 191021K2_5 | 50.0 | 1.25 | NO | 36.18 | 1.000 | 1.94e6 | 2.40e6 | 53.5 | 6.9 | 0.810 | bb |
| 6 | 191021K2_6 | 1200 | 1.23 | NO | 36.18 | 1.000 | 5.34e7 | 2.94e6 | 1200 | -0.3 | 0.756 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 4,4'-DDE

Response Factor: 0.77131

RRF SD: 0.0902498, Relative SD: 11.7008

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.18 | NO | 37.25 | 1.000 | 7.71e4 | 2.23e6 | 2.24 | 11.8 | 0.862 | MM |
| 2 | 191021K2_2 | 10.0 | 1.20 | NO | 37.25 | 1.000 | 3.10e5 | 1.96e6 | 10.3 | 2.6 | 0.791 | MM |
| 3 | 191021K2_3 | 100 | 1.23 | NO | 37.25 | 1.000 | 2.33e6 | 1.93e6 | 78.1 | -21.9 | 0.603 | bb |
| 4 | 191021K2_4 | 250 | 1.22 | NO | 37.25 | 1.000 | 7.51e6 | 1.91e6 | 255 | 2.1 | 0.787 | bb |
| 5 | 191021K2_5 | 50.0 | 1.23 | NO | 37.25 | 1.000 | 1.48e6 | 1.80e6 | 53.6 | 7.2 | 0.827 | bb |
| 6 | 191021K2_6 | 1200 | 1.24 | NO | 37.25 | 1.000 | 3.88e7 | 2.14e6 | 1180 | -1.8 | 0.757 | bb |

Compound name: Dieldrin

Response Factor: 0.927266

RRF SD: 0.108795, Relative SD: 11.7328

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.44 | NO | 37.75 | 1.000 | 9.46e3 | 2.29e5 | 2.23 | 11.4 | 1.03 | MM |
| 2 | 191021K2_2 | 10.0 | 1.46 | NO | 37.75 | 1.000 | 3.70e4 | 2.03e5 | 9.82 | -1.8 | 0.910 | bb |
| 3 | 191021K2_3 | 100 | 1.50 | NO | 37.76 | 1.001 | 2.93e5 | 2.04e5 | 77.6 | -22.4 | 0.720 | bb |
| 4 | 191021K2_4 | 250 | 1.49 | NO | 37.76 | 1.001 | 9.68e5 | 2.02e5 | 259 | 3.5 | 0.960 | bb |
| 5 | 191021K2_5 | 50.0 | 1.48 | NO | 37.75 | 1.000 | 1.87e5 | 1.91e5 | 52.6 | 5.2 | 0.975 | bb |
| 6 | 191021K2_6 | 1200 | 1.48 | NO | 37.75 | 1.000 | 5.21e6 | 2.25e5 | 1250 | 4.1 | 0.965 | bb |

Compound name: Endrin

Response Factor: 0.901845

RRF SD: 0.0967254, Relative SD: 10.7253

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.54 | NO | 39.16 | 1.000 | 8.05e3 | 2.07e5 | 2.15 | 7.6 | 0.971 | MM |
| 2 | 191021K2_2 | 10.0 | 1.64 | NO | 39.16 | 1.000 | 2.94e4 | 1.66e5 | 9.83 | -1.7 | 0.887 | MM |
| 3 | 191021K2_3 | 100 | 1.46 | NO | 39.16 | 1.000 | 2.12e5 | 1.49e5 | 79.1 | -20.9 | 0.714 | bb |
| 4 | 191021K2_4 | 250 | 1.47 | NO | 39.16 | 1.000 | 6.69e5 | 1.42e5 | 261 | 4.4 | 0.942 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: Endrin

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 191021K2_5 | 50.0 | 1.47 | NO | 39.16 | 1.001 | 1.23e5 | 1.28e5 | 53.3 | 6.5 | 0.961 | bb |
| 6 191021K2_6 | 1200 | 1.48 | NO | 39.16 | 1.001 | 3.46e6 | 1.54e5 | 1250 | 4.0 | 0.938 | bb |

Compound name: cis-Nonachlor

Response Factor: 0.913364
 RRF SD: 0.103114, Relative SD: 11.2895
 Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
 Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 191021K2_1 | 2.00 | 1.24 | NO | 39.44 | 1.000 | 5.74e3 | 1.38e5 | 2.27 | 13.7 | 1.04 | MM |
| 2 191021K2_2 | 10.0 | 1.56 | NO | 39.44 | 1.000 | 2.29e4 | 1.26e5 | 9.97 | -0.3 | 0.911 | bb |
| 3 191021K2_3 | 100 | 1.51 | NO | 39.44 | 1.000 | 1.78e5 | 1.21e5 | 80.4 | -19.6 | 0.734 | bb |
| 4 191021K2_4 | 250 | 1.50 | NO | 39.44 | 1.000 | 5.84e5 | 1.25e5 | 256 | 2.5 | 0.936 | bb |
| 5 191021K2_5 | 50.0 | 1.49 | NO | 39.44 | 1.000 | 1.12e5 | 1.15e5 | 53.5 | 7.0 | 0.977 | bb |
| 6 191021K2_6 | 1200 | 1.49 | NO | 39.44 | 1.000 | 2.96e6 | 1.39e5 | 1160 | -3.2 | 0.884 | MM |

Compound name: Endosulfan II (beta)

Response Factor: 1.02803
 RRF SD: 0.205517, Relative SD: 19.9914
 Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
 Curve type: RF

| Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|--------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 191021K2_1 | 10.0 | 1.25 | NO | 40.17 | 1.000 | 1.09e4 | 4.14e4 | 12.8 | 28.2 | 1.32 | MM |
| 2 191021K2_2 | 15.0 | 1.43 | NO | 40.17 | 1.000 | 1.24e4 | 3.77e4 | 16.0 | 6.5 | 1.09 | MM |
| 3 191021K2_3 | 100 | 1.53 | NO | 40.17 | 1.000 | 5.66e4 | 3.63e4 | 75.8 | -24.2 | 0.780 | MM |
| 4 191021K2_4 | 250 | 1.49 | NO | 40.17 | 1.000 | 1.80e5 | 4.02e4 | 217 | -13.1 | 0.893 | MM |
| 5 191021K2_5 | 50.0 | 1.50 | NO | 40.17 | 1.000 | 3.37e4 | 3.19e4 | 51.3 | 2.7 | 1.06 | bb |
| 6 191021K2_6 | 1200 | 1.49 | NO | 40.17 | 1.000 | 9.39e5 | 7.12e4 | 642 | -46.5 | 0.550 | bbX |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 2,4'-DDD

Response Factor: 0.890107

RRF SD: 0.0910852, Relative SD: 10.2331

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.42 | NO | 38.39 | 1.000 | 7.98e4 | 2.09e6 | 2.15 | 7.4 | 0.956 | bb |
| 2 | 191021K2_2 | 10.0 | 1.51 | NO | 38.39 | 1.000 | 3.03e5 | 1.68e6 | 10.1 | 1.4 | 0.902 | MM |
| 3 | 191021K2_3 | 100 | 1.58 | NO | 38.39 | 1.000 | 2.29e6 | 1.59e6 | 80.6 | -19.4 | 0.717 | bb |
| 4 | 191021K2_4 | 250 | 1.56 | NO | 38.39 | 1.000 | 7.35e6 | 1.60e6 | 259 | 3.5 | 0.922 | bb |
| 5 | 191021K2_5 | 50.0 | 1.58 | NO | 38.39 | 1.000 | 1.41e6 | 1.45e6 | 54.3 | 8.6 | 0.967 | bb |
| 6 | 191021K2_6 | 1200 | 1.58 | NO | 38.39 | 1.000 | 3.99e7 | 1.90e6 | 1180 | -1.6 | 0.876 | bb |

Compound name: 2,4'-DDT

Response Factor: 0.864545

RRF SD: 0.0799456, Relative SD: 9.24713

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.61 | NO | 39.51 | 1.000 | 4.99e4 | 1.41e6 | 2.05 | 2.6 | 0.887 | MM |
| 2 | 191021K2_2 | 10.0 | 1.65 | NO | 39.51 | 1.000 | 2.03e5 | 1.17e6 | 9.98 | -0.2 | 0.863 | bd |
| 3 | 191021K2_3 | 100 | 1.57 | NO | 39.51 | 1.000 | 1.54e6 | 1.09e6 | 82.1 | -17.9 | 0.710 | bd |
| 4 | 191021K2_4 | 250 | 1.55 | NO | 39.51 | 1.000 | 4.87e6 | 1.08e6 | 260 | 4.1 | 0.900 | bd |
| 5 | 191021K2_5 | 50.0 | 1.56 | NO | 39.51 | 1.000 | 9.32e5 | 9.91e5 | 54.4 | 8.8 | 0.940 | bd |
| 6 | 191021K2_6 | 1200 | 1.56 | NO | 39.51 | 1.000 | 2.66e7 | 1.25e6 | 1230 | 2.6 | 0.887 | bd |

Compound name: 4,4'-DDD

Response Factor: 0.971047

RRF SD: 0.0940639, Relative SD: 9.68686

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.62 | NO | 39.65 | 1.000 | 7.19e4 | 1.78e6 | 2.09 | 4.3 | 1.01 | bb |
| 2 | 191021K2_2 | 10.0 | 1.53 | NO | 39.63 | 1.000 | 2.91e5 | 1.44e6 | 10.4 | 3.6 | 1.01 | db |
| 3 | 191021K2_3 | 100 | 1.55 | NO | 39.65 | 1.000 | 2.11e6 | 1.33e6 | 81.4 | -18.6 | 0.790 | db |
| 4 | 191021K2_4 | 250 | 1.55 | NO | 39.65 | 1.000 | 6.85e6 | 1.36e6 | 259 | 3.7 | 1.01 | db |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 4,4'-DDD

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191021K2_5 | 50.0 | 1.58 | NO | 39.63 | 1.000 | 1.26e6 | 1.20e6 | 54.3 | 8.6 | 1.05 | db |
| 6 | 191021K2_6 | 1200 | 1.54 | NO | 39.63 | 1.000 | 3.60e7 | 1.57e6 | 1180 | -1.5 | 0.956 | db |

Compound name: 4,4'-DDT

Response Factor: 0.973828

RRF SD: 0.107429, Relative SD: 11.0316

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.41 | NO | 40.72 | 1.001 | 4.92e4 | 1.13e6 | 2.24 | 12.2 | 1.09 | bb |
| 2 | 191021K2_2 | 10.0 | 1.50 | NO | 40.70 | 1.000 | 1.89e5 | 9.81e5 | 9.91 | -0.9 | 0.965 | MM |
| 3 | 191021K2_3 | 100 | 1.56 | NO | 40.72 | 1.001 | 1.36e6 | 8.71e5 | 80.0 | -20.0 | 0.779 | bb |
| 4 | 191021K2_4 | 250 | 1.56 | NO | 40.72 | 1.000 | 4.24e6 | 8.57e5 | 254 | 1.5 | 0.989 | bb |
| 5 | 191021K2_5 | 50.0 | 1.54 | NO | 40.70 | 1.000 | 8.10e5 | 7.75e5 | 53.7 | 7.4 | 1.05 | bb |
| 6 | 191021K2_6 | 1200 | 1.54 | NO | 40.70 | 1.000 | 2.27e7 | 9.72e5 | 1200 | -0.2 | 0.972 | bb |

Compound name: Endosulfan Sulfate

Response Factor: 0.895785

RRF SD: 0.129462, Relative SD: 14.4524

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 10.0 | 1.49 | NO | 41.89 | 1.000 | 1.46e4 | 6.77e4 | 12.1 | 20.5 | 1.08 | bb |
| 2 | 191021K2_2 | 15.0 | 1.37 | NO | 41.89 | 1.000 | 1.84e4 | 6.36e4 | 16.2 | 8.0 | 0.967 | MM |
| 3 | 191021K2_3 | 100 | 1.51 | NO | 41.89 | 1.000 | 8.27e4 | 6.02e4 | 76.7 | -23.3 | 0.687 | bb |
| 4 | 191021K2_4 | 250 | 1.50 | NO | 41.89 | 1.000 | 2.68e5 | 6.13e4 | 244 | -2.3 | 0.875 | bb |
| 5 | 191021K2_5 | 50.0 | 1.52 | NO | 41.89 | 1.000 | 4.92e4 | 5.45e4 | 50.4 | 0.8 | 0.903 | bb |
| 6 | 191021K2_6 | 1200 | 1.51 | NO | 41.89 | 1.000 | 1.43e6 | 6.93e4 | 1160 | -3.7 | 0.863 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 4,4'-Methoxychlor

Response Factor: 1.10185
 RRF SD: 0.111392, Relative SD: 10.1095
 Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 10.0 | 6.06 | NO | 43.76 | 1.000 | 2.71e5 | 1.14e7 | 10.7 | 7.3 | 1.18 | bb |
| 2 | 191021K2_2 | 15.0 | 6.09 | NO | 43.76 | 1.000 | 3.52e5 | 1.05e7 | 15.3 | 1.7 | 1.12 | MM |
| 3 | 191021K2_3 | 100 | 5.85 | NO | 43.76 | 1.000 | 1.68e6 | 9.50e6 | 80.3 | -19.7 | 0.885 | bb |
| 4 | 191021K2_4 | 250 | 5.90 | NO | 43.76 | 1.000 | 4.82e6 | 8.45e6 | 259 | 3.5 | 1.14 | bb |
| 5 | 191021K2_5 | 50.0 | 6.01 | NO | 43.76 | 1.000 | 9.09e5 | 7.69e6 | 53.7 | 7.4 | 1.18 | bb |
| 6 | 191021K2_6 | 1200 | 5.85 | NO | 43.76 | 1.000 | 2.46e7 | 9.31e6 | 1200 | -0.1 | 1.10 | bb |

Compound name: Mirex

Response Factor: 0.86977
 RRF SD: 0.0853687, Relative SD: 9.81508
 Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 2.00 | 1.33 | NO | 44.35 | 1.000 | 1.76e4 | 4.78e5 | 2.12 | 5.9 | 0.921 | MM |
| 2 | 191021K2_2 | 10.0 | 1.38 | NO | 44.35 | 1.000 | 9.00e4 | 5.17e5 | 10.0 | 0.1 | 0.871 | bb |
| 3 | 191021K2_3 | 100 | 1.41 | NO | 44.35 | 1.000 | 7.12e5 | 5.05e5 | 81.1 | -18.9 | 0.705 | bb |
| 4 | 191021K2_4 | 250 | 1.40 | NO | 44.36 | 1.001 | 2.08e6 | 4.63e5 | 258 | 3.0 | 0.896 | bb |
| 5 | 191021K2_5 | 50.0 | 1.41 | NO | 44.35 | 1.000 | 4.19e5 | 4.43e5 | 54.4 | 8.9 | 0.947 | bb |
| 6 | 191021K2_6 | 1200 | 1.41 | NO | 44.35 | 1.000 | 9.84e6 | 4.66e5 | 1210 | 1.0 | 0.879 | bb |

Compound name: Endrin Aldehyde

Response Factor: 0.962453
 RRF SD: 0.0990865, Relative SD: 10.2952
 Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 10.0 | 0.59 | NO | 41.29 | 1.000 | 1.89e4 | 8.77e5 | 11.2 | 12.2 | 1.08 | MM |
| 2 | 191021K2_2 | 15.0 | 0.60 | NO | 41.29 | 1.000 | 2.42e4 | 8.09e5 | 15.6 | 3.7 | 0.998 | MM |
| 3 | 191021K2_3 | 100 | 0.60 | NO | 41.29 | 1.000 | 1.16e5 | 7.47e5 | 81.0 | -19.0 | 0.780 | MM |
| 4 | 191021K2_4 | 250 | 0.60 | NO | 41.29 | 1.000 | 3.74e5 | 7.59e5 | 256 | 2.4 | 0.985 | MM |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: Endrin Aldehyde

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191021K2_5 | 50.0 | 0.62 | NO | 41.29 | 1.000 | 6.93e4 | 7.11e5 | 50.7 | 1.4 | 0.976 | MM |
| 6 | 191021K2_6 | 1200 | 0.61 | NO | 41.29 | 1.000 | 2.15e6 | 9.38e5 | 1190 | -0.7 | 0.956 | MM |

Compound name: Endrin Ketone

Response Factor: 0.867325

RRF SD: 0.109617, Relative SD: 12.6386

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 10.0 | 0.61 | NO | 44.49 | 1.000 | 1.42e4 | 7.10e5 | 11.5 | 15.0 | 0.997 | bb |
| 2 | 191021K2_2 | 15.0 | 0.60 | NO | 44.49 | 1.000 | 1.87e4 | 6.67e5 | 16.2 | 8.0 | 0.936 | db |
| 3 | 191021K2_3 | 100 | 0.60 | NO | 44.49 | 1.000 | 8.40e4 | 6.25e5 | 77.4 | -22.6 | 0.671 | bb |
| 4 | 191021K2_4 | 250 | 0.62 | NO | 44.49 | 1.000 | 2.54e5 | 5.91e5 | 248 | -0.9 | 0.859 | db |
| 5 | 191021K2_5 | 50.0 | 0.59 | NO | 44.49 | 1.001 | 4.64e4 | 5.34e5 | 50.1 | 0.1 | 0.869 | db |
| 6 | 191021K2_6 | 1200 | 0.61 | NO | 44.49 | 1.001 | 1.35e6 | 6.46e5 | 1210 | 0.4 | 0.871 | bb |

Compound name: 13C6-Hexachlorobenzene

Response Factor: 0.710403

RRF SD: 0.0197452, Relative SD: 2.77944

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.26 | NO | 23.11 | 0.873 | 1.99e6 | 2.89e6 | 48.4 | -3.3 | 0.687 | bb |
| 2 | 191021K2_2 | 50.0 | 1.27 | NO | 23.11 | 0.873 | 1.73e6 | 2.50e6 | 48.6 | -2.8 | 0.690 | bb |
| 3 | 191021K2_3 | 50.0 | 1.27 | NO | 23.11 | 0.873 | 1.77e6 | 2.44e6 | 51.0 | 2.0 | 0.725 | bb |
| 4 | 191021K2_4 | 50.0 | 1.26 | NO | 23.13 | 0.873 | 1.89e6 | 2.62e6 | 50.6 | 1.2 | 0.719 | bb |
| 5 | 191021K2_5 | 50.0 | 1.27 | NO | 23.11 | 0.873 | 1.72e6 | 2.44e6 | 49.6 | -0.8 | 0.705 | bb |
| 6 | 191021K2_6 | 50.0 | 1.27 | NO | 23.11 | 0.873 | 2.08e6 | 2.83e6 | 51.8 | 3.7 | 0.737 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C6-Alpha-BHC

Response Factor: 0.255309

RRF SD: 0.00361434, Relative SD: 1.41568

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 0.80 | NO | 23.66 | 0.893 | 7.51e5 | 2.89e6 | 50.8 | 1.6 | 0.259 | MM |
| 2 | 191021K2_2 | 50.0 | 0.79 | NO | 23.66 | 0.893 | 6.37e5 | 2.50e6 | 49.9 | -0.3 | 0.255 | bb |
| 3 | 191021K2_3 | 50.0 | 0.78 | NO | 23.66 | 0.893 | 6.32e5 | 2.44e6 | 50.7 | 1.4 | 0.259 | bb |
| 4 | 191021K2_4 | 50.0 | 0.77 | NO | 23.67 | 0.893 | 6.73e5 | 2.62e6 | 50.2 | 0.4 | 0.256 | bb |
| 5 | 191021K2_5 | 50.0 | 0.77 | NO | 23.66 | 0.893 | 6.10e5 | 2.44e6 | 49.0 | -2.1 | 0.250 | bb |
| 6 | 191021K2_6 | 50.0 | 0.77 | NO | 23.66 | 0.893 | 7.14e5 | 2.83e6 | 49.5 | -1.1 | 0.253 | bb |

Compound name: 13C6-Lindane (gamma)

Response Factor: 0.215518

RRF SD: 0.00747251, Relative SD: 3.46723

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 0.81 | NO | 26.98 | 1.019 | 6.31e5 | 2.89e6 | 50.6 | 1.1 | 0.218 | bb |
| 2 | 191021K2_2 | 50.0 | 0.82 | NO | 26.98 | 1.019 | 5.33e5 | 2.50e6 | 49.4 | -1.1 | 0.213 | bb |
| 3 | 191021K2_3 | 50.0 | 0.86 | NO | 26.98 | 1.019 | 5.39e5 | 2.44e6 | 51.2 | 2.4 | 0.221 | bb |
| 4 | 191021K2_4 | 50.0 | 0.96 | NO | 27.00 | 1.019 | 5.83e5 | 2.62e6 | 51.6 | 3.2 | 0.222 | bb |
| 5 | 191021K2_5 | 50.0 | 0.83 | NO | 26.98 | 1.019 | 4.97e5 | 2.44e6 | 47.3 | -5.5 | 0.204 | bb |
| 6 | 191021K2_6 | 50.0 | 1.27 | YES | 26.98 | 1.019 | 8.22e5 | 2.83e6 | 67.5 | 34.9 | 0.291 | MMX |

Compound name: 13C6-Beta-BHC

Response Factor: 0.162237

RRF SD: 0.00557278, Relative SD: 3.43497

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 0.76 | NO | 29.01 | 1.095 | 4.90e5 | 2.89e6 | 52.2 | 4.4 | 0.169 | bb |
| 2 | 191021K2_2 | 50.0 | 0.78 | NO | 29.01 | 1.095 | 4.10e5 | 2.50e6 | 50.5 | 1.1 | 0.164 | bb |
| 3 | 191021K2_3 | 50.0 | 0.78 | NO | 29.01 | 1.095 | 4.01e5 | 2.44e6 | 50.6 | 1.2 | 0.164 | bb |
| 4 | 191021K2_4 | 50.0 | 0.78 | NO | 29.01 | 1.095 | 4.16e5 | 2.62e6 | 48.8 | -2.4 | 0.158 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C6-Beta-BHC

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191021K2_5 | 50.0 | 0.78 | NO | 29.01 | 1.095 | 3.74e5 | 2.44e6 | 47.3 | -5.5 | 0.153 | bb |
| 6 | 191021K2_6 | 50.0 | 0.79 | NO | 29.01 | 1.095 | 4.64e5 | 2.83e6 | 50.6 | 1.2 | 0.164 | bd |

Compound name: 13C6-Delta-BHC

Response Factor: 0.184641

RRF SD: 0.00565783, Relative SD: 3.06423

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 0.79 | NO | 30.68 | 1.158 | 5.42e5 | 2.89e6 | 50.7 | 1.3 | 0.187 | MM |
| 2 | 191021K2_2 | 50.0 | 0.79 | NO | 30.68 | 1.158 | 4.70e5 | 2.50e6 | 50.8 | 1.7 | 0.188 | bd |
| 3 | 191021K2_3 | 50.0 | 0.77 | NO | 30.68 | 1.158 | 4.59e5 | 2.44e6 | 50.9 | 1.8 | 0.188 | bd |
| 4 | 191021K2_4 | 50.0 | 0.78 | NO | 30.68 | 1.158 | 4.70e5 | 2.62e6 | 48.5 | -3.0 | 0.179 | bd |
| 5 | 191021K2_5 | 50.0 | 0.80 | NO | 30.68 | 1.158 | 4.30e5 | 2.44e6 | 47.7 | -4.7 | 0.176 | bd |
| 6 | 191021K2_6 | 50.0 | 0.78 | NO | 30.68 | 1.158 | 5.37e5 | 2.83e6 | 51.4 | 2.9 | 0.190 | bd |

Compound name: 13C10-Heptachlor

Response Factor: 0.177727

RRF SD: 0.0295029, Relative SD: 16.6002

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.26 | NO | 29.14 | 1.100 | 6.75e5 | 2.89e6 | 65.6 | 31.2 | 0.233 | bb |
| 2 | 191021K2_2 | 50.0 | 1.26 | NO | 29.14 | 1.100 | 4.67e5 | 2.50e6 | 52.5 | 5.0 | 0.187 | bb |
| 3 | 191021K2_3 | 50.0 | 1.31 | NO | 29.14 | 1.100 | 4.22e5 | 2.44e6 | 48.5 | -2.9 | 0.173 | bb |
| 4 | 191021K2_4 | 50.0 | 1.23 | NO | 29.15 | 1.100 | 4.10e5 | 2.62e6 | 44.0 | -12.0 | 0.156 | bb |
| 5 | 191021K2_5 | 50.0 | 1.31 | NO | 29.14 | 1.100 | 3.82e5 | 2.44e6 | 44.1 | -11.9 | 0.157 | bb |
| 6 | 191021K2_6 | 50.0 | 1.28 | NO | 29.14 | 1.100 | 4.55e5 | 2.83e6 | 45.3 | -9.4 | 0.161 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-Aldrin

Response Factor: 0.186227

RRF SD: 0.00541023, Relative SD: 2.90518

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.58 | NO | 31.24 | 1.179 | 5.60e5 | 2.89e6 | 51.9 | 3.9 | 0.193 | bb |
| 2 | 191021K2_2 | 50.0 | 1.62 | NO | 31.24 | 1.179 | 4.68e5 | 2.50e6 | 50.2 | 0.4 | 0.187 | bb |
| 3 | 191021K2_3 | 50.0 | 1.63 | NO | 31.24 | 1.179 | 4.66e5 | 2.44e6 | 51.2 | 2.5 | 0.191 | bb |
| 4 | 191021K2_4 | 50.0 | 1.61 | NO | 31.24 | 1.179 | 4.68e5 | 2.62e6 | 47.9 | -4.2 | 0.178 | bb |
| 5 | 191021K2_5 | 50.0 | 1.68 | NO | 31.24 | 1.179 | 4.48e5 | 2.44e6 | 49.3 | -1.4 | 0.184 | bb |
| 6 | 191021K2_6 | 50.0 | 1.62 | NO | 31.24 | 1.179 | 5.20e5 | 2.83e6 | 49.4 | -1.1 | 0.184 | bb |

Compound name: 13C10-Oxychlordan

Response Factor: 0.0498531

RRF SD: 0.00308731, Relative SD: 6.19281

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.61 | NO | 33.82 | 1.277 | 1.55e5 | 2.89e6 | 53.7 | 7.5 | 0.0536 | MM |
| 2 | 191021K2_2 | 50.0 | 1.64 | NO | 33.82 | 1.277 | 1.32e5 | 2.50e6 | 52.7 | 5.5 | 0.0526 | MM |
| 3 | 191021K2_3 | 50.0 | 1.64 | NO | 33.82 | 1.277 | 1.24e5 | 2.44e6 | 50.9 | 1.7 | 0.0507 | MM |
| 4 | 191021K2_4 | 50.0 | 1.57 | NO | 33.82 | 1.276 | 1.20e5 | 2.62e6 | 46.0 | -8.0 | 0.0459 | MM |
| 5 | 191021K2_5 | 50.0 | 1.55 | NO | 33.80 | 1.276 | 1.14e5 | 2.44e6 | 46.9 | -6.2 | 0.0468 | MM |
| 6 | 191021K2_6 | 50.0 | 1.61 | NO | 33.82 | 1.277 | 1.40e5 | 2.83e6 | 49.7 | -0.5 | 0.0496 | db |

Compound name: 13C10-cis-Heptachlor Epoxide

Response Factor: 0.0657296

RRF SD: 0.00466759, Relative SD: 7.1012

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.58 | NO | 34.61 | 1.307 | 2.10e5 | 2.89e6 | 55.1 | 10.3 | 0.0725 | bb |
| 2 | 191021K2_2 | 50.0 | 1.62 | NO | 34.59 | 1.306 | 1.72e5 | 2.50e6 | 52.4 | 4.8 | 0.0689 | bb |
| 3 | 191021K2_3 | 50.0 | 1.60 | NO | 34.60 | 1.307 | 1.61e5 | 2.44e6 | 50.1 | 0.2 | 0.0659 | bb |
| 4 | 191021K2_4 | 50.0 | 1.61 | NO | 34.60 | 1.306 | 1.59e5 | 2.62e6 | 46.1 | -7.9 | 0.0605 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C10-cis-Heptachlor Epoxide

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 5 | 191021K2_5 | 50.0 | 1.60 | NO | 34.59 | 1.306 | 1.48e5 | 2.44e6 | 46.1 | -7.8 | 0.0606 | bb |
| 6 | 191021K2_6 | 50.0 | 1.59 | NO | 34.61 | 1.307 | 1.86e5 | 2.83e6 | 50.2 | 0.3 | 0.0659 | bb |

Compound name: 13C10-trans-Chlordane (gamma)

Response Factor: 0.052541
 RRF SD: 0.00387829, Relative SD: 7.38146
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.64 | NO | 35.50 | 1.340 | 1.52e5 | 2.89e6 | 49.9 | -0.2 | 0.0524 | bb |
| 2 | 191021K2_2 | 50.0 | 1.65 | NO | 35.50 | 1.340 | 1.33e5 | 2.50e6 | 50.6 | 1.3 | 0.0532 | bb |
| 3 | 191021K2_3 | 50.0 | 1.59 | NO | 35.51 | 1.341 | 1.27e5 | 2.44e6 | 49.4 | -1.2 | 0.0519 | bb |
| 4 | 191021K2_4 | 50.0 | 1.71 | NO | 35.51 | 1.340 | 1.32e5 | 2.62e6 | 47.8 | -4.4 | 0.0502 | bb |
| 5 | 191021K2_5 | 50.0 | 1.66 | NO | 35.50 | 1.340 | 1.17e5 | 2.44e6 | 45.7 | -8.6 | 0.0480 | bb |
| 6 | 191021K2_6 | 50.0 | 1.95 | NO | 35.51 | 1.341 | 1.68e5 | 2.83e6 | 56.6 | 13.2 | 0.0595 | MM |

Compound name: 13C10-trans-Nonachlor

Response Factor: 0.0586969
 RRF SD: 0.00286617, Relative SD: 4.883
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.58 | NO | 35.69 | 1.347 | 1.75e5 | 2.89e6 | 51.6 | 3.2 | 0.0606 | bb |
| 2 | 191021K2_2 | 50.0 | 1.61 | NO | 35.69 | 1.347 | 1.49e5 | 2.50e6 | 50.8 | 1.5 | 0.0596 | bb |
| 3 | 191021K2_3 | 50.0 | 1.65 | NO | 35.69 | 1.347 | 1.45e5 | 2.44e6 | 50.4 | 0.8 | 0.0592 | bb |
| 4 | 191021K2_4 | 50.0 | 1.63 | NO | 35.70 | 1.347 | 1.47e5 | 2.62e6 | 47.6 | -4.8 | 0.0559 | bb |
| 5 | 191021K2_5 | 50.0 | 1.59 | NO | 35.69 | 1.347 | 1.34e5 | 2.44e6 | 46.6 | -6.8 | 0.0547 | bb |
| 6 | 191021K2_6 | 50.0 | 1.83 | NO | 35.69 | 1.347 | 1.76e5 | 2.83e6 | 53.0 | 6.1 | 0.0623 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C9-Endosulfan I (alpha)

Response Factor: 0.0343013

RRF SD: 0.00109214, Relative SD: 3.18396

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.64 | NO | 36.28 | 1.370 | 1.03e5 | 2.89e6 | 51.8 | 3.6 | 0.0355 | bb |
| 2 | 191021K2_2 | 50.0 | 1.63 | NO | 36.28 | 1.370 | 8.71e4 | 2.50e6 | 50.7 | 1.5 | 0.0348 | bb |
| 3 | 191021K2_3 | 50.0 | 1.62 | NO | 36.28 | 1.370 | 8.43e4 | 2.44e6 | 50.3 | 0.6 | 0.0345 | db |
| 4 | 191021K2_4 | 50.0 | 1.66 | NO | 36.28 | 1.369 | 8.94e4 | 2.62e6 | 49.7 | -0.7 | 0.0341 | db |
| 5 | 191021K2_5 | 50.0 | 1.65 | NO | 36.28 | 1.370 | 7.96e4 | 2.44e6 | 47.5 | -5.0 | 0.0326 | db |
| 6 | 191021K2_6 | 50.0 | 1.91 | NO | 36.28 | 1.370 | 1.38e5 | 2.83e6 | 71.4 | 42.7 | 0.0490 | dbX |

Compound name: 13C12-2,4'-DDE

Response Factor: 1.0102

RRF SD: 0.0247275, Relative SD: 2.44779

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.57 | NO | 36.17 | 0.996 | 2.94e6 | 2.89e6 | 50.3 | 0.5 | 1.02 | bb |
| 2 | 191021K2_2 | 50.0 | 1.57 | NO | 36.17 | 0.996 | 2.58e6 | 2.50e6 | 51.0 | 2.0 | 1.03 | bb |
| 3 | 191021K2_3 | 50.0 | 1.55 | NO | 36.17 | 0.996 | 2.47e6 | 2.44e6 | 50.1 | 0.1 | 1.01 | bb |
| 4 | 191021K2_4 | 50.0 | 1.57 | NO | 36.17 | 0.996 | 2.57e6 | 2.62e6 | 48.5 | -3.0 | 0.980 | bb |
| 5 | 191021K2_5 | 50.0 | 1.55 | NO | 36.17 | 0.996 | 2.40e6 | 2.44e6 | 48.7 | -2.7 | 0.983 | bb |
| 6 | 191021K2_6 | 50.0 | 1.54 | NO | 36.17 | 0.996 | 2.94e6 | 2.83e6 | 51.5 | 3.1 | 1.04 | bb |

Compound name: 13C12-4,4'-DDE

Response Factor: 0.760409

RRF SD: 0.0255929, Relative SD: 3.36567

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.56 | NO | 37.23 | 1.025 | 2.23e6 | 2.89e6 | 50.7 | 1.5 | 0.772 | bb |
| 2 | 191021K2_2 | 50.0 | 1.57 | NO | 37.23 | 1.025 | 1.96e6 | 2.50e6 | 51.4 | 2.8 | 0.782 | bb |
| 3 | 191021K2_3 | 50.0 | 1.56 | NO | 37.23 | 1.025 | 1.93e6 | 2.44e6 | 52.0 | 4.0 | 0.791 | bb |
| 4 | 191021K2_4 | 50.0 | 1.57 | NO | 37.23 | 1.025 | 1.91e6 | 2.62e6 | 47.8 | -4.4 | 0.727 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-4,4'-DDE

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191021K2_5 | 50.0 | 1.56 | NO | 37.23 | 1.025 | 1.80e6 | 2.44e6 | 48.3 | -3.3 | 0.735 | bb |
| 6 | 191021K2_6 | 50.0 | 1.57 | NO | 37.23 | 1.025 | 2.14e6 | 2.83e6 | 49.7 | -0.6 | 0.756 | bd |

Compound name: 13C12-Dieldrin

Response Factor: 0.0797229

RRF SD: 0.00224317, Relative SD: 2.81372

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.60 | NO | 37.73 | 1.039 | 2.29e5 | 2.89e6 | 49.6 | -0.8 | 0.0791 | bb |
| 2 | 191021K2_2 | 50.0 | 1.62 | NO | 37.73 | 1.039 | 2.03e5 | 2.50e6 | 50.9 | 1.8 | 0.0812 | bb |
| 3 | 191021K2_3 | 50.0 | 1.54 | NO | 37.73 | 1.039 | 2.04e5 | 2.44e6 | 52.2 | 4.5 | 0.0833 | bb |
| 4 | 191021K2_4 | 50.0 | 1.59 | NO | 37.73 | 1.039 | 2.02e5 | 2.62e6 | 48.2 | -3.5 | 0.0769 | bb |
| 5 | 191021K2_5 | 50.0 | 1.56 | NO | 37.73 | 1.039 | 1.91e5 | 2.44e6 | 49.2 | -1.7 | 0.0784 | bb |
| 6 | 191021K2_6 | 50.0 | 1.57 | NO | 37.73 | 1.039 | 2.25e5 | 2.83e6 | 49.9 | -0.3 | 0.0795 | bb |

Compound name: 13C12-Endrin

Response Factor: 0.059909

RRF SD: 0.00777226, Relative SD: 12.9735

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.58 | NO | 39.14 | 1.078 | 2.07e5 | 2.89e6 | 59.8 | 19.6 | 0.0716 | bb |
| 2 | 191021K2_2 | 50.0 | 1.58 | NO | 39.14 | 1.078 | 1.66e5 | 2.50e6 | 55.3 | 10.7 | 0.0663 | bb |
| 3 | 191021K2_3 | 50.0 | 1.60 | NO | 39.14 | 1.078 | 1.49e5 | 2.44e6 | 50.7 | 1.5 | 0.0608 | bb |
| 4 | 191021K2_4 | 50.0 | 1.62 | NO | 39.14 | 1.078 | 1.42e5 | 2.62e6 | 45.2 | -9.6 | 0.0542 | bb |
| 5 | 191021K2_5 | 50.0 | 1.57 | NO | 39.13 | 1.078 | 1.28e5 | 2.44e6 | 43.6 | -12.8 | 0.0522 | bb |
| 6 | 191021K2_6 | 50.0 | 1.68 | NO | 39.13 | 1.078 | 1.54e5 | 2.83e6 | 45.4 | -9.3 | 0.0544 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C10-cis-Nonachlor

Response Factor: 0.0485906

RRF SD: 0.00125985, Relative SD: 2.59278

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.62 | NO | 39.42 | 1.086 | 1.38e5 | 2.89e6 | 49.2 | -1.6 | 0.0478 | db |
| 2 | 191021K2_2 | 50.0 | 1.56 | NO | 39.42 | 1.086 | 1.26e5 | 2.50e6 | 51.6 | 3.2 | 0.0501 | db |
| 3 | 191021K2_3 | 50.0 | 1.57 | NO | 39.42 | 1.086 | 1.21e5 | 2.44e6 | 51.1 | 2.2 | 0.0496 | db |
| 4 | 191021K2_4 | 50.0 | 1.59 | NO | 39.42 | 1.086 | 1.25e5 | 2.62e6 | 48.9 | -2.1 | 0.0476 | bb |
| 5 | 191021K2_5 | 50.0 | 1.59 | NO | 39.42 | 1.086 | 1.15e5 | 2.44e6 | 48.5 | -3.1 | 0.0471 | db |
| 6 | 191021K2_6 | 50.0 | 1.78 | NO | 39.42 | 1.086 | 1.39e5 | 2.83e6 | 50.7 | 1.5 | 0.0493 | db |

Compound name: 13C9-Endosulfan II

Response Factor: 0.0145283

RRF SD: 0.000902284, Relative SD: 6.21051

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.59 | NO | 40.15 | 1.106 | 4.14e4 | 2.89e6 | 49.3 | -1.4 | 0.0143 | MM |
| 2 | 191021K2_2 | 50.0 | 1.56 | NO | 40.15 | 1.106 | 3.77e4 | 2.50e6 | 51.9 | 3.7 | 0.0151 | MM |
| 3 | 191021K2_3 | 50.0 | 1.50 | NO | 40.15 | 1.106 | 3.63e4 | 2.44e6 | 51.1 | 2.2 | 0.0149 | bb |
| 4 | 191021K2_4 | 50.0 | 1.60 | NO | 40.15 | 1.106 | 4.02e4 | 2.62e6 | 52.8 | 5.6 | 0.0153 | bb |
| 5 | 191021K2_5 | 50.0 | 1.51 | NO | 40.15 | 1.106 | 3.19e4 | 2.44e6 | 44.9 | -10.1 | 0.0131 | MM |
| 6 | 191021K2_6 | 50.0 | 1.95 | NO | 40.15 | 1.106 | 7.12e4 | 2.83e6 | 86.7 | 73.3 | 0.0252 | bbX |

Compound name: 13C12-2,4'-DDD

Response Factor: 0.653352

RRF SD: 0.0460989, Relative SD: 7.05575

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.57 | NO | 38.37 | 1.449 | 2.09e6 | 2.89e6 | 55.2 | 10.3 | 0.721 | bb |
| 2 | 191021K2_2 | 50.0 | 1.57 | NO | 38.37 | 1.449 | 1.68e6 | 2.50e6 | 51.4 | 2.8 | 0.671 | bb |
| 3 | 191021K2_3 | 50.0 | 1.56 | NO | 38.37 | 1.449 | 1.59e6 | 2.44e6 | 49.9 | -0.2 | 0.652 | bb |
| 4 | 191021K2_4 | 50.0 | 1.56 | NO | 38.37 | 1.448 | 1.60e6 | 2.62e6 | 46.5 | -6.9 | 0.608 | bb |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-2,4'-DDD

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 5 | 191021K2_5 | 50.0 | 1.58 | NO | 38.37 | 1.449 | 1.45e6 | 2.44e6 | 45.6 | -8.9 | 0.595 | bb |
| 6 | 191021K2_6 | 50.0 | 1.43 | NO | 38.37 | 1.449 | 1.90e6 | 2.83e6 | 51.4 | 2.9 | 0.672 | bb |

Compound name: 13C12-2,4'-DDT

Response Factor: 0.443343

RRF SD: 0.0310718, Relative SD: 7.00853

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.80 | NO | 39.50 | 1.491 | 1.41e6 | 2.89e6 | 54.8 | 9.7 | 0.486 | bd |
| 2 | 191021K2_2 | 50.0 | 1.78 | NO | 39.50 | 1.491 | 1.17e6 | 2.50e6 | 52.9 | 5.8 | 0.469 | bd |
| 3 | 191021K2_3 | 50.0 | 1.77 | NO | 39.50 | 1.491 | 1.09e6 | 2.44e6 | 50.1 | 0.3 | 0.445 | bd |
| 4 | 191021K2_4 | 50.0 | 1.79 | NO | 39.50 | 1.491 | 1.08e6 | 2.62e6 | 46.6 | -6.9 | 0.413 | bd |
| 5 | 191021K2_5 | 50.0 | 1.82 | NO | 39.50 | 1.491 | 9.91e5 | 2.44e6 | 45.8 | -8.4 | 0.406 | bd |
| 6 | 191021K2_6 | 50.0 | 1.77 | NO | 39.50 | 1.491 | 1.25e6 | 2.83e6 | 49.8 | -0.4 | 0.442 | bd |

Compound name: 13C12-4,4'-DDD

Response Factor: 0.550171

RRF SD: 0.0431679, Relative SD: 7.84627

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.58 | NO | 39.63 | 1.496 | 1.78e6 | 2.89e6 | 55.8 | 11.5 | 0.614 | db |
| 2 | 191021K2_2 | 50.0 | 1.61 | NO | 39.62 | 1.496 | 1.44e6 | 2.50e6 | 52.4 | 4.8 | 0.577 | db |
| 3 | 191021K2_3 | 50.0 | 1.57 | NO | 39.63 | 1.496 | 1.33e6 | 2.44e6 | 49.6 | -0.7 | 0.546 | db |
| 4 | 191021K2_4 | 50.0 | 1.57 | NO | 39.63 | 1.496 | 1.36e6 | 2.62e6 | 47.2 | -5.7 | 0.519 | db |
| 5 | 191021K2_5 | 50.0 | 1.62 | NO | 39.62 | 1.496 | 1.20e6 | 2.44e6 | 44.6 | -10.8 | 0.490 | db |
| 6 | 191021K2_6 | 50.0 | 1.57 | NO | 39.62 | 1.496 | 1.57e6 | 2.83e6 | 50.4 | 0.9 | 0.555 | db |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-4,4'-DDT

Response Factor: 0.354154

RRF SD: 0.0312035, Relative SD: 8.8107

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.58 | NO | 40.69 | 1.536 | 1.13e6 | 2.89e6 | 54.9 | 9.9 | 0.389 | bb |
| 2 | 191021K2_2 | 50.0 | 1.61 | NO | 40.69 | 1.536 | 9.81e5 | 2.50e6 | 55.3 | 10.6 | 0.392 | bb |
| 3 | 191021K2_3 | 50.0 | 1.57 | NO | 40.69 | 1.536 | 8.71e5 | 2.44e6 | 50.3 | 0.6 | 0.356 | bb |
| 4 | 191021K2_4 | 50.0 | 1.59 | NO | 40.70 | 1.536 | 8.57e5 | 2.62e6 | 46.1 | -7.8 | 0.327 | bb |
| 5 | 191021K2_5 | 50.0 | 1.58 | NO | 40.69 | 1.536 | 7.75e5 | 2.44e6 | 44.8 | -10.4 | 0.317 | bb |
| 6 | 191021K2_6 | 50.0 | 1.59 | NO | 40.69 | 1.536 | 9.72e5 | 2.83e6 | 48.5 | -2.9 | 0.344 | bb |

Compound name: 13C9-Endosulfan Sulfate

Response Factor: 0.0239323

RRF SD: 0.0011051, Relative SD: 4.6176

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.53 | NO | 41.88 | 1.153 | 6.77e4 | 2.89e6 | 48.8 | -2.3 | 0.0234 | db |
| 2 | 191021K2_2 | 50.0 | 1.45 | NO | 41.88 | 1.153 | 6.36e4 | 2.50e6 | 53.1 | 6.1 | 0.0254 | bb |
| 3 | 191021K2_3 | 50.0 | 1.50 | NO | 41.88 | 1.153 | 6.02e4 | 2.44e6 | 51.4 | 2.9 | 0.0246 | bb |
| 4 | 191021K2_4 | 50.0 | 1.59 | NO | 41.88 | 1.153 | 6.13e4 | 2.62e6 | 48.8 | -2.4 | 0.0234 | bb |
| 5 | 191021K2_5 | 50.0 | 1.59 | NO | 41.88 | 1.153 | 5.45e4 | 2.44e6 | 46.7 | -6.7 | 0.0223 | bb |
| 6 | 191021K2_6 | 50.0 | 1.48 | NO | 41.88 | 1.153 | 6.93e4 | 2.83e6 | 51.2 | 2.4 | 0.0245 | bb |

Compound name: 13C12-Methoxychlor

Response Factor: 0.361506

RRF SD: 0.0444553, Relative SD: 12.2973

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|-------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 500 | 24.06 | NO | 43.75 | 1.205 | 1.14e7 | 2.89e6 | 547 | 9.4 | 0.396 | MM |
| 2 | 191021K2_2 | 500 | 22.96 | NO | 43.75 | 1.205 | 1.05e7 | 2.50e6 | 579 | 15.7 | 0.418 | MM |
| 3 | 191021K2_3 | 500 | 22.93 | NO | 43.75 | 1.205 | 9.50e6 | 2.44e6 | 538 | 7.5 | 0.389 | MM |
| 4 | 191021K2_4 | 500 | 21.92 | NO | 43.75 | 1.205 | 8.45e6 | 2.62e6 | 446 | -10.9 | 0.322 | MM |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-Methoxychlor

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|-------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 5 | 191021K2_5 | 500 | 21.78 | NO | 43.75 | 1.205 | 7.69e6 | 2.44e6 | 435 | -12.9 | 0.315 | MM |
| 6 | 191021K2_6 | 500 | 21.88 | NO | 43.75 | 1.205 | 9.31e6 | 2.83e6 | 456 | -8.9 | 0.329 | MM |

Compound name: 13C10-Mirex

Response Factor: 0.18354

RRF SD: 0.0189335, Relative SD: 10.3157

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|-------|-------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.58 | NO | 44.33 | 1.221 | 4.78e5 | 2.89e6 | 45.0 | -10.0 | 0.165 | bb |
| 2 | 191021K2_2 | 50.0 | 1.56 | NO | 44.33 | 1.221 | 5.17e5 | 2.50e6 | 56.2 | 12.5 | 0.206 | bb |
| 3 | 191021K2_3 | 50.0 | 1.58 | NO | 44.33 | 1.221 | 5.05e5 | 2.44e6 | 56.3 | 12.6 | 0.207 | bb |
| 4 | 191021K2_4 | 50.0 | 1.56 | NO | 44.33 | 1.221 | 4.63e5 | 2.62e6 | 48.1 | -3.8 | 0.177 | dd |
| 5 | 191021K2_5 | 50.0 | 1.59 | NO | 44.33 | 1.221 | 4.43e5 | 2.44e6 | 49.4 | -1.2 | 0.181 | bb |
| 6 | 191021K2_6 | 50.0 | 1.59 | NO | 44.33 | 1.221 | 4.66e5 | 2.83e6 | 45.0 | -10.1 | 0.165 | bb |

Compound name: 13C12-Endrin Aldehyde

Response Factor: 0.0307313

RRF SD: 0.00171701, Relative SD: 5.58716

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 500 | 0.45 | NO | 41.28 | 1.137 | 8.77e5 | 2.89e6 | 493 | -1.4 | 0.0303 | MM |
| 2 | 191021K2_2 | 500 | 0.46 | NO | 41.28 | 1.137 | 8.09e5 | 2.50e6 | 526 | 5.2 | 0.0323 | MM |
| 3 | 191021K2_3 | 500 | 0.43 | NO | 41.28 | 1.137 | 7.47e5 | 2.44e6 | 497 | -0.6 | 0.0305 | MM |
| 4 | 191021K2_4 | 500 | 0.44 | NO | 41.28 | 1.137 | 7.59e5 | 2.62e6 | 471 | -5.9 | 0.0289 | MM |
| 5 | 191021K2_5 | 500 | 0.45 | NO | 41.28 | 1.137 | 7.11e5 | 2.44e6 | 473 | -5.3 | 0.0291 | MM |
| 6 | 191021K2_6 | 500 | 0.46 | NO | 41.28 | 1.137 | 9.38e5 | 2.83e6 | 540 | 8.0 | 0.0332 | MM |

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-Endrin Ketone

Response Factor: 0.0240079

RRF SD: 0.00188932, Relative SD: 7.86957

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|--------|-------------|
| 1 | 191021K2_1 | 500 | 0.45 | NO | 44.47 | 1.225 | 7.10e5 | 2.89e6 | 511 | 2.2 | 0.0245 | bb |
| 2 | 191021K2_2 | 500 | 0.46 | NO | 44.47 | 1.225 | 6.67e5 | 2.50e6 | 555 | 11.0 | 0.0266 | bb |
| 3 | 191021K2_3 | 500 | 0.44 | NO | 44.47 | 1.225 | 6.25e5 | 2.44e6 | 533 | 6.6 | 0.0256 | bb |
| 4 | 191021K2_4 | 500 | 0.45 | NO | 44.47 | 1.225 | 5.91e5 | 2.62e6 | 469 | -6.2 | 0.0225 | bb |
| 5 | 191021K2_5 | 500 | 0.44 | NO | 44.46 | 1.224 | 5.34e5 | 2.44e6 | 455 | -8.9 | 0.0219 | bb |
| 6 | 191021K2_6 | 500 | 0.43 | NO | 44.46 | 1.224 | 6.46e5 | 2.83e6 | 476 | -4.8 | 0.0229 | db |

Compound name: 13C-PCB-15

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

| | Name | Std. Conc | RA | n/y | RT | RRT | Resp | IS Resp | Conc. | %Dev | RRF | X = dropped |
|---|------------|-----------|------|-----|-------|-------|--------|---------|-------|------|------|-------------|
| 1 | 191021K2_1 | 50.0 | 1.48 | NO | 26.49 | 1.000 | 2.89e6 | 2.89e6 | 50.0 | 0.0 | 1.00 | bb |
| 2 | 191021K2_2 | 50.0 | 1.49 | NO | 26.49 | 1.000 | 2.50e6 | 2.50e6 | 50.0 | 0.0 | 1.00 | bb |
| 3 | 191021K2_3 | 50.0 | 1.48 | NO | 26.49 | 1.000 | 2.44e6 | 2.44e6 | 50.0 | 0.0 | 1.00 | bb |
| 4 | 191021K2_4 | 50.0 | 1.46 | NO | 26.50 | 1.000 | 2.62e6 | 2.62e6 | 50.0 | 0.0 | 1.00 | bb |
| 5 | 191021K2_5 | 50.0 | 1.47 | NO | 26.49 | 1.000 | 2.44e6 | 2.44e6 | 50.0 | 0.0 | 1.00 | bb |
| 6 | 191021K2_6 | 50.0 | 1.46 | NO | 26.49 | 1.000 | 2.83e6 | 2.83e6 | 50.0 | 0.0 | 1.00 | bb |

Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:02:54 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 11:03:15 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Compound name: Hexachlorobutadiene

| | Name | ID | Acq.Date | Acq.Time |
|----|-------------|---------------------------------------|-----------|----------|
| 1 | 191021K2_1 | ST191021K2-1 1699 CS1 19H0202 | 21-Oct-19 | 13:00:44 |
| 2 | 191021K2_2 | ST191021K2-2 1699 CS2 19H0203 | 21-Oct-19 | 13:53:56 |
| 3 | 191021K2_3 | ST191021K2-3 1699 CS3.5 19H0205 | 21-Oct-19 | 14:40:46 |
| 4 | 191021K2_4 | ST191021K2-4 1699 CS4 19H0206 | 21-Oct-19 | 15:30:19 |
| 5 | 191021K2_5 | ST191021K2-5 1699 CS3 19H0204 | 21-Oct-19 | 16:19:52 |
| 6 | 191021K2_6 | ST191021K2-6 1699 CS5 19H0207 | 21-Oct-19 | 17:09:22 |
| 7 | 191021K2_7 | SS191021K2-1 1699 SS 19H0208 | 21-Oct-19 | 17:58:52 |
| 8 | 191021K2_8 | GC191021K2-1 GC BREAK | 21-Oct-19 | 18:48:26 |
| 9 | 191021K2_9 | B9H0191-BS2 OPR 1 | 21-Oct-19 | 19:38:42 |
| 10 | 191021K2_10 | B9H0191-BS3 OPR 1 | 21-Oct-19 | 20:27:26 |
| 11 | 191021K2_11 | SOLVENT BLANK | 21-Oct-19 | 21:16:57 |
| 12 | 191021K2_12 | B9H0191-BLK1 Method Blank 1 | 21-Oct-19 | 22:07:25 |
| 13 | 191021K2_13 | B9I0226-BLK1 Method Blank 1 | 21-Oct-19 | 22:57:13 |
| 14 | 191021K2_14 | B9J0021-BLK1 Method Blank 1 | 21-Oct-19 | 23:46:15 |
| 15 | 191021K2_15 | B9I0215-BLK1 Method Blank 1 | 22-Oct-19 | 00:34:57 |
| 16 | 191021K2_16 | 1903419-01 RB-20190926140400 0.9967 | 22-Oct-19 | 01:25:40 |
| 17 | 191021K2_17 | B9I0226-MS1 Matrix Spike 0.99207 | 22-Oct-19 | 02:14:47 |
| 18 | 191021K2_18 | B9I0226-MSD1 Matrix Spike Dup 0.98166 | 22-Oct-19 | 03:03:36 |
| 19 | 191021K2_19 | B9I0215-MS1 Matrix Spike 1.01054 | 22-Oct-19 | 03:53:06 |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-8.qld

Last Altered: Tuesday, October 22, 2019 10:49:41 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:51:06 AM Pacific Daylight Time

GPB 10/22/19

Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 17 Oct 2019 10:48:50

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK

| # | Name | Resp | RA | n/y | RT |
|---|-------------------|--------|------|-----|-------|
| 1 | 1 Endrin Aldehyde | 4.66e3 | 0.55 | NO | 41.29 |
| 2 | 2 Endrin Ketone | 6.11e3 | 0.64 | NO | 44.47 |
| 3 | 3 Endrin | 4.59e5 | 1.47 | NO | 39.14 |
| 4 | 4 4,4'-DDE | | | | |
| 5 | 5 4,4'-DDD | 2.36e4 | 1.21 | NO | 39.63 |
| 6 | 6 4,4'-DDT | 6.86e6 | 1.56 | NO | 40.70 |

$$\frac{EA + EK}{E} \times 100\% = \underline{2.35\%}$$

$$\frac{DDE + DDD}{DDT} \times 100\% = \underline{0.34\%}$$

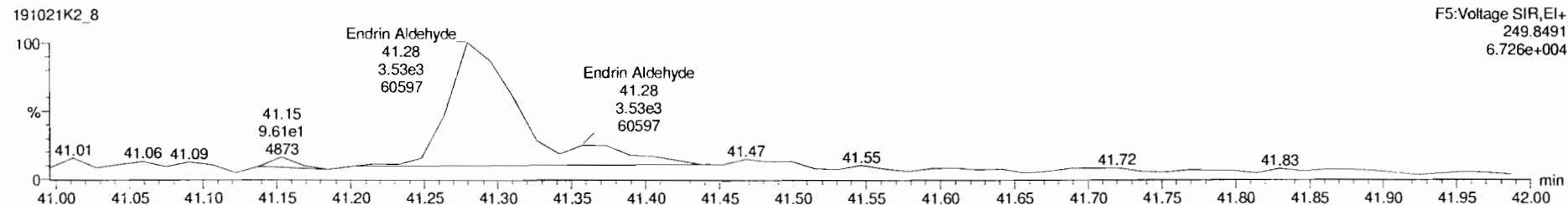
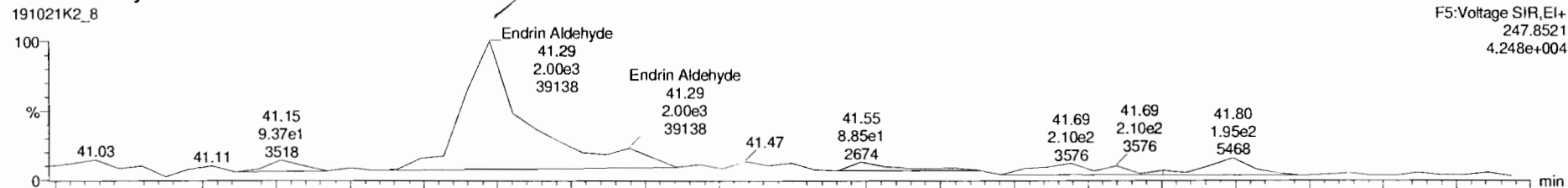
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:45:18 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:45:44 AM Pacific Daylight Time

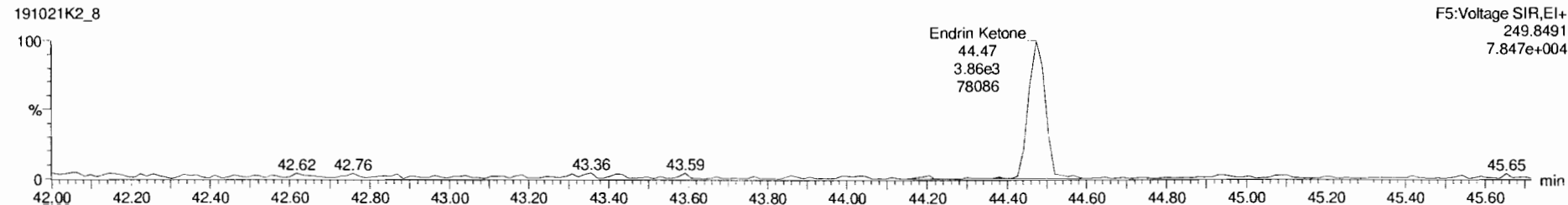
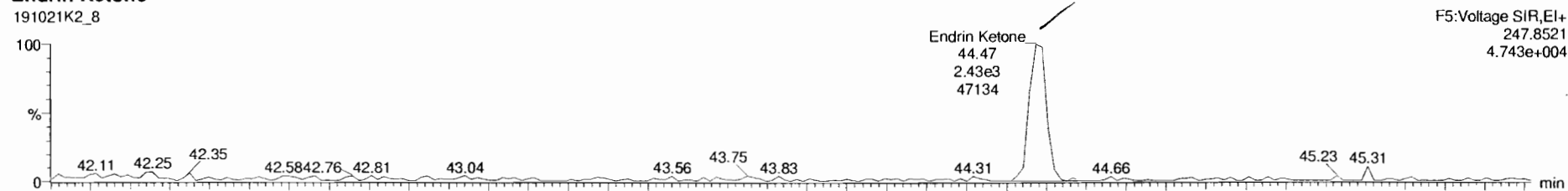
Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 17 Oct 2019 10:48:50
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

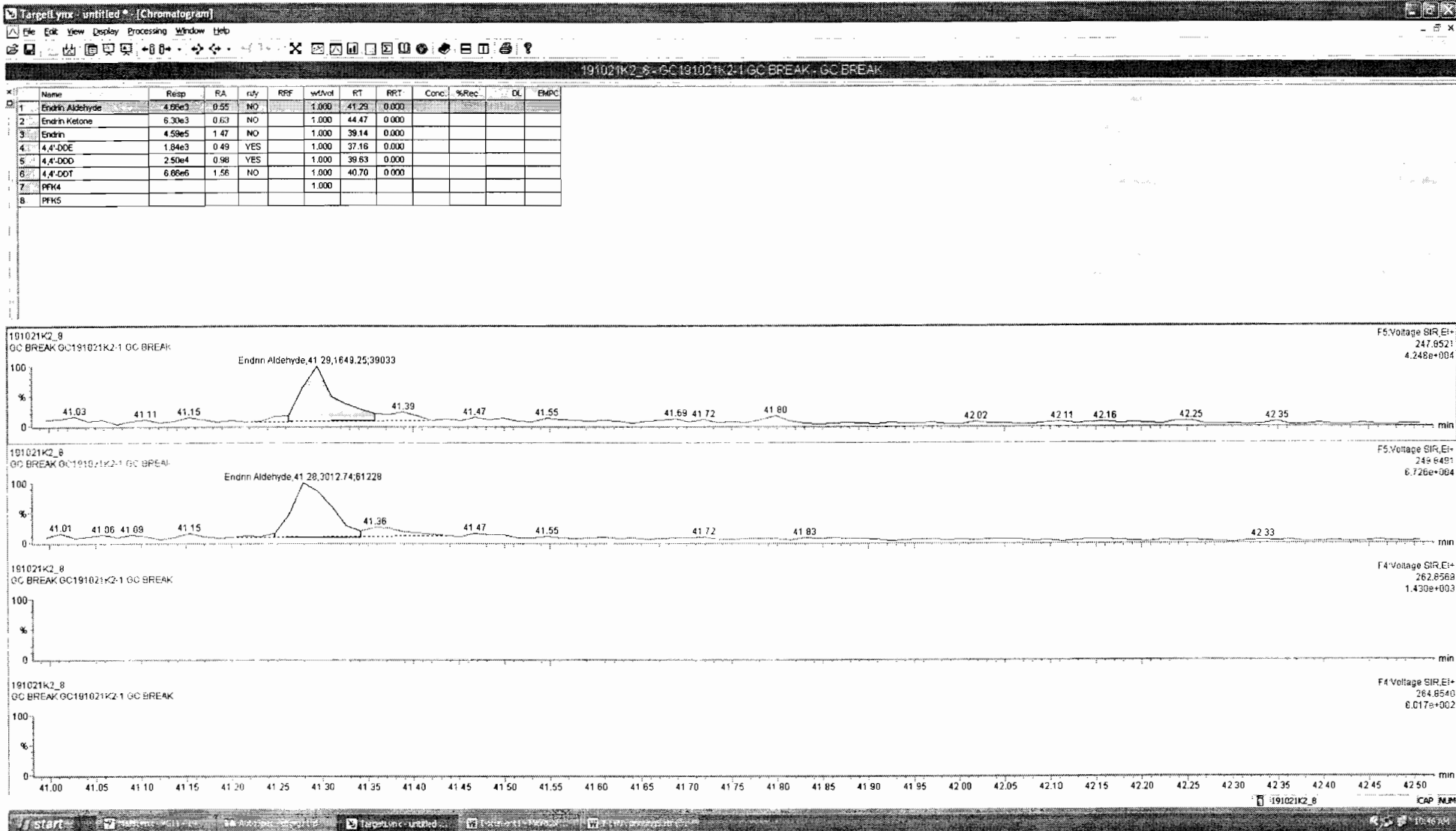
Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK

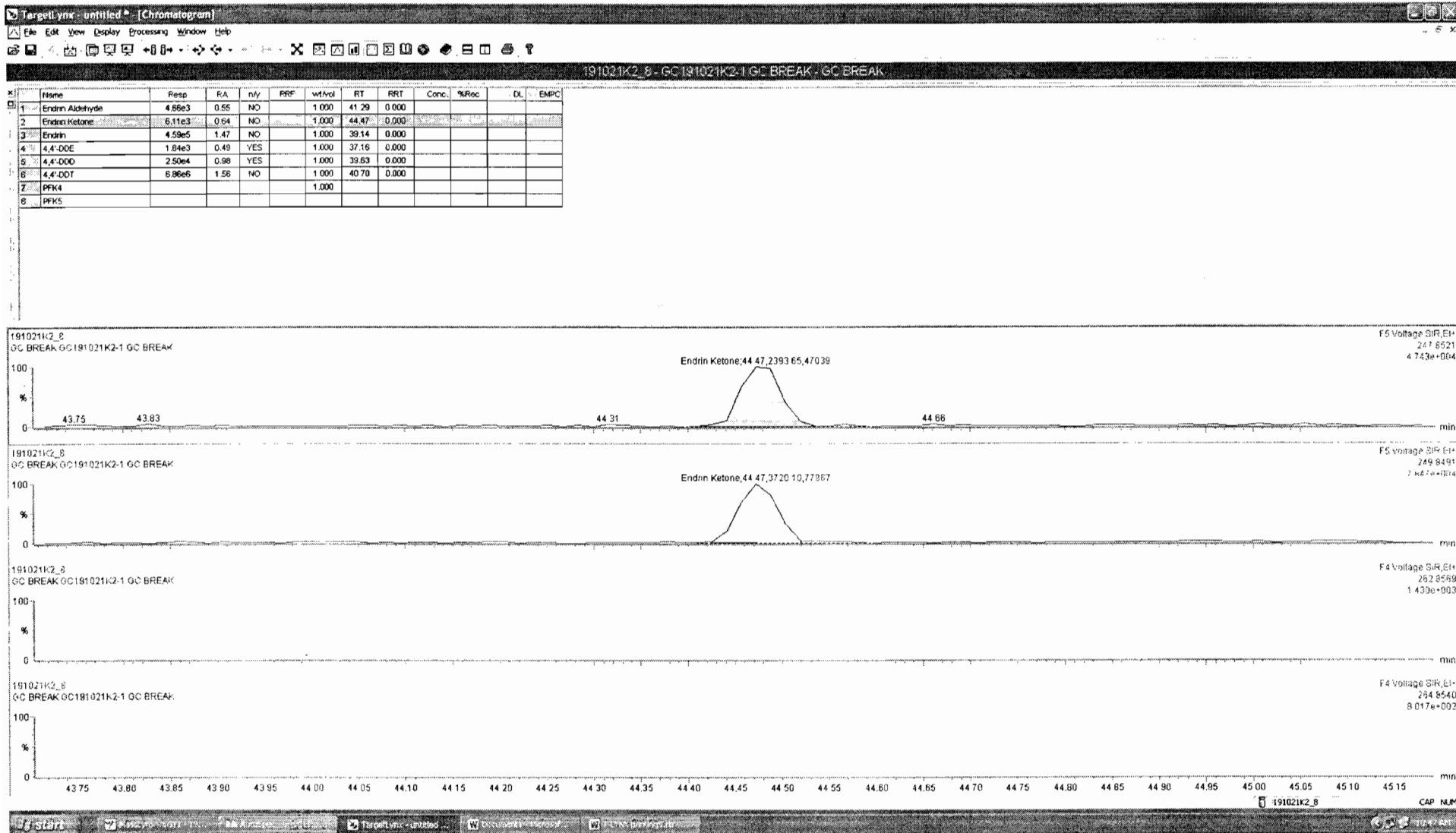
Endrin Aldehyde



Endrin Ketone



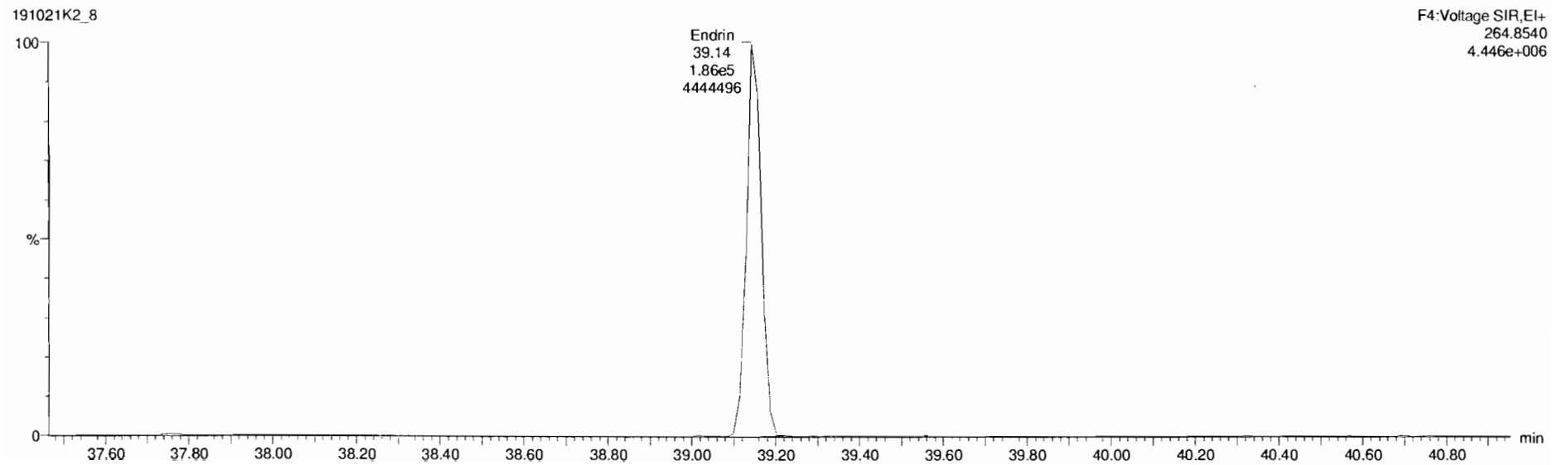
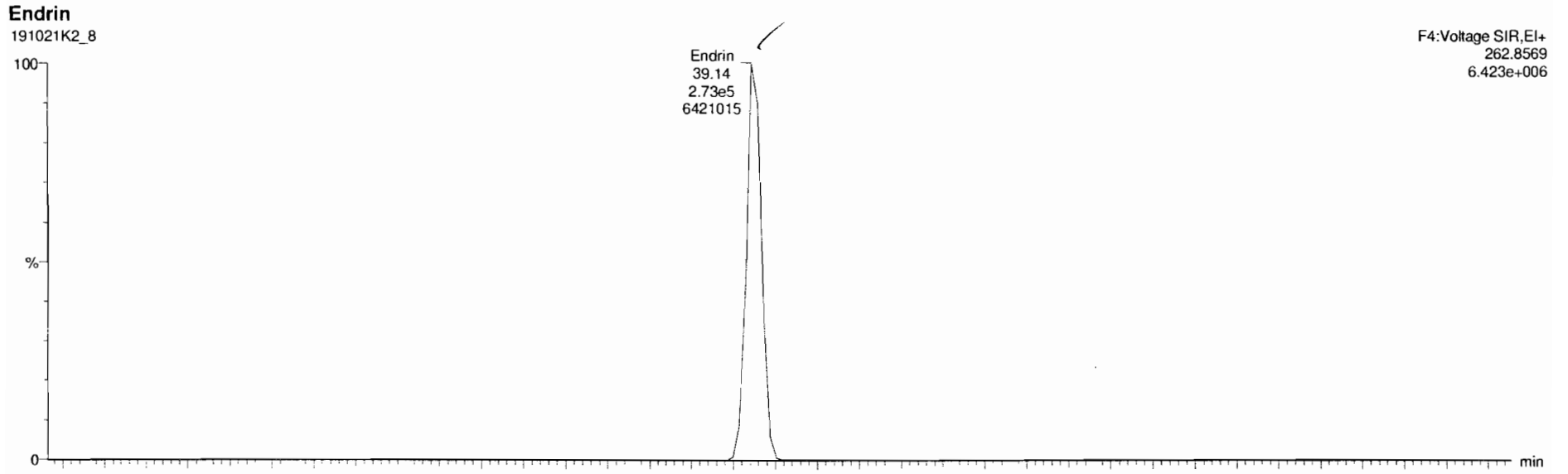




Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:45:18 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:45:44 AM Pacific Daylight Time

Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK



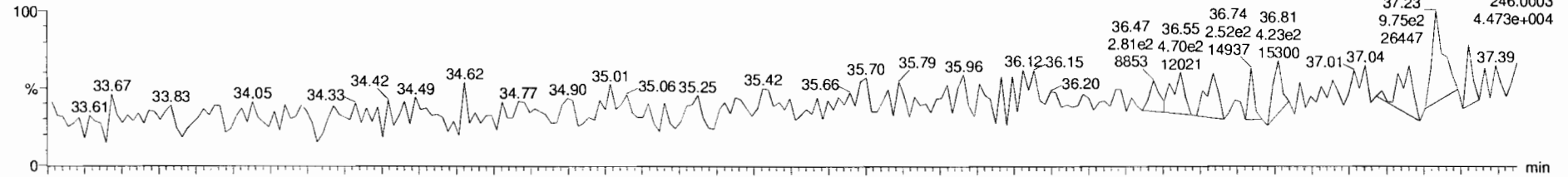
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:45:18 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:45:44 AM Pacific Daylight Time

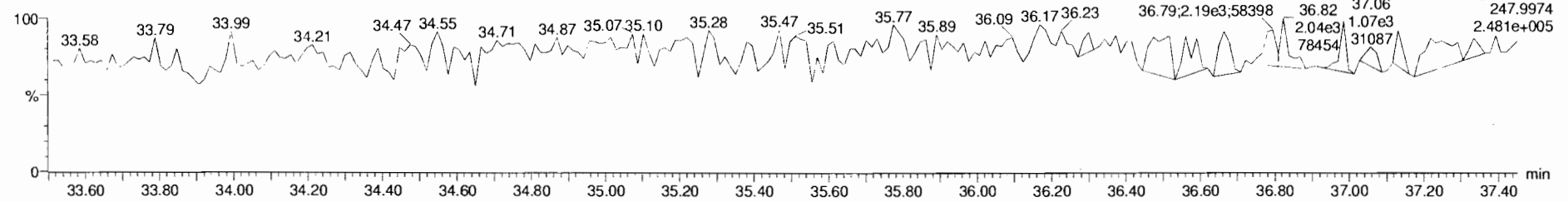
Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK

4,4'-DDE

191021K2_8

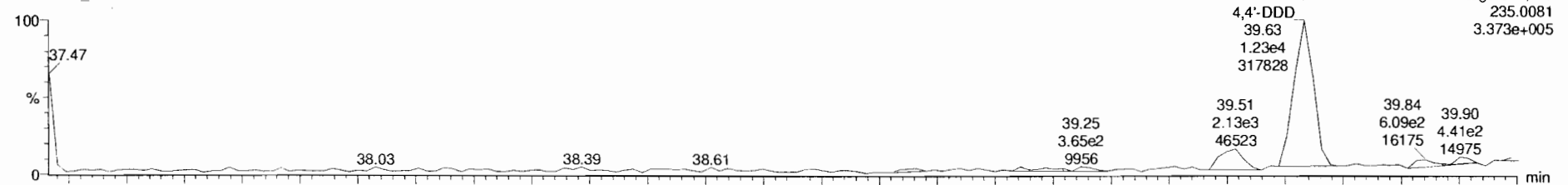


191021K2_8

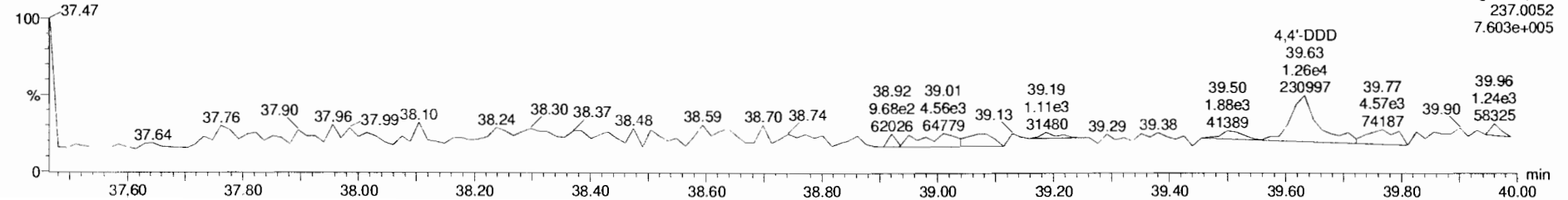


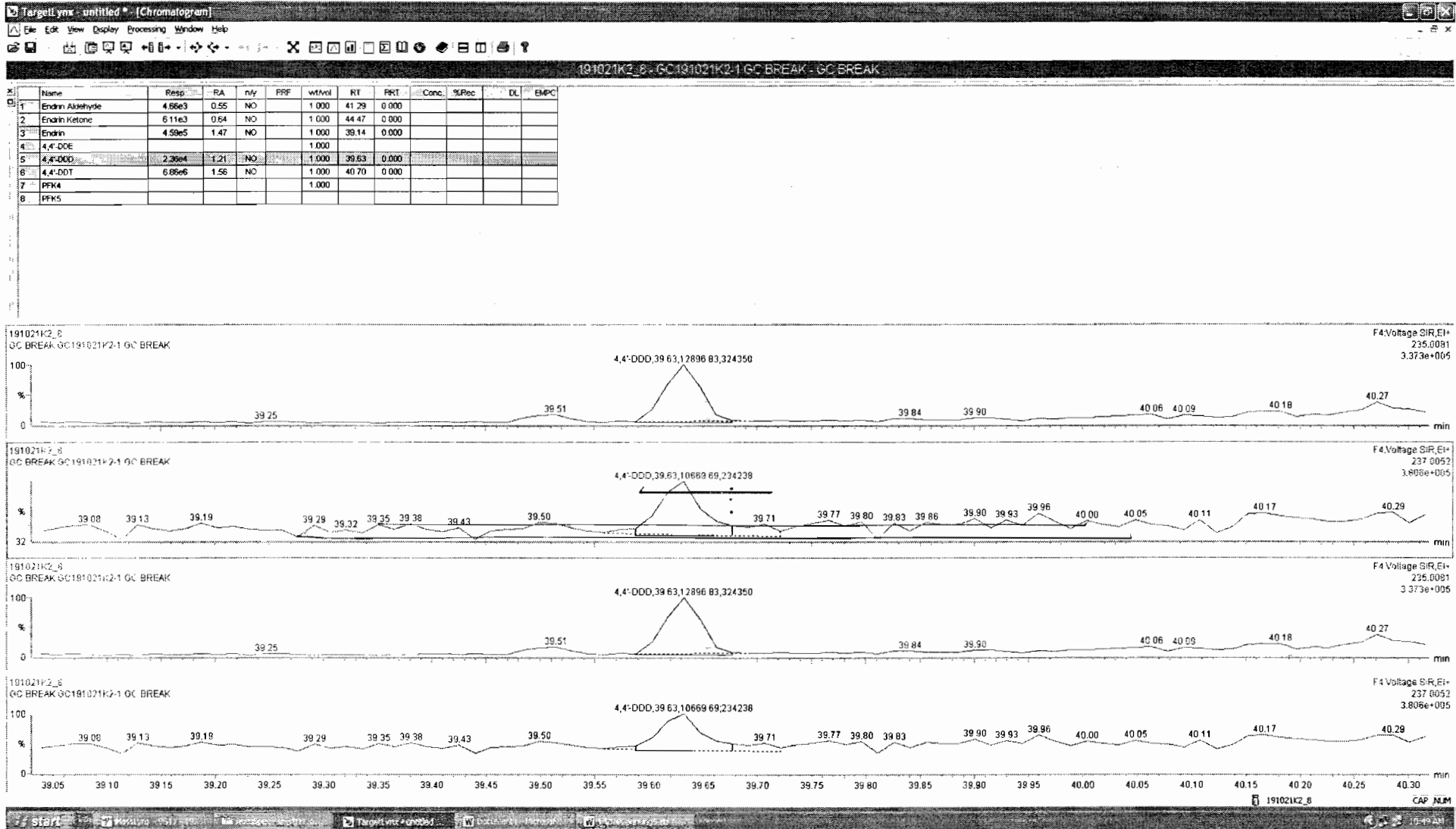
4,4'-DDD

191021K2_8



191021K2_8





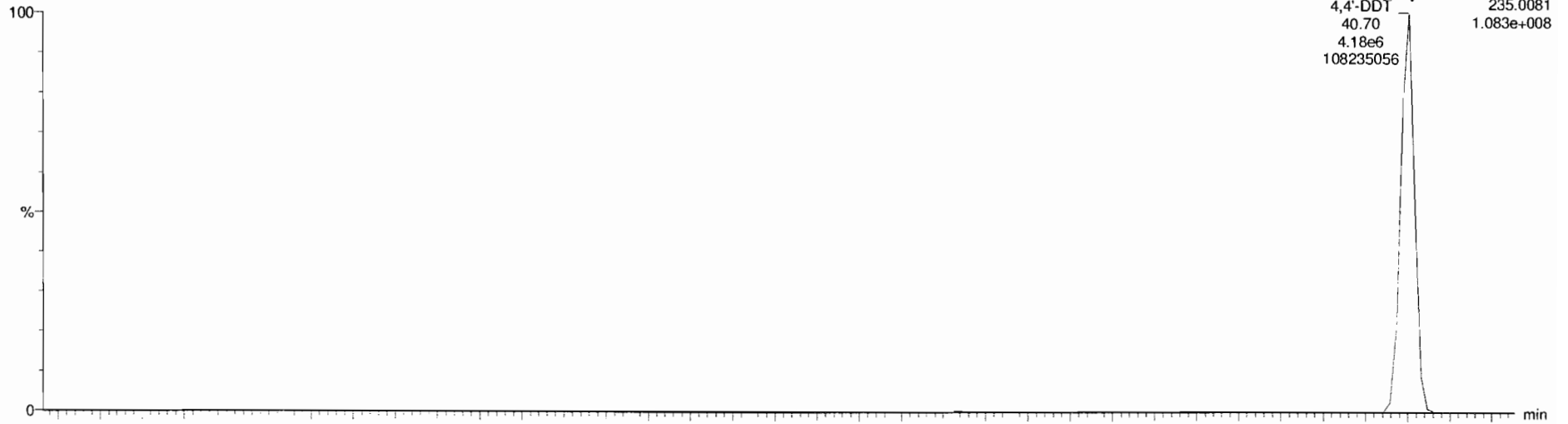
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:45:18 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:45:44 AM Pacific Daylight Time

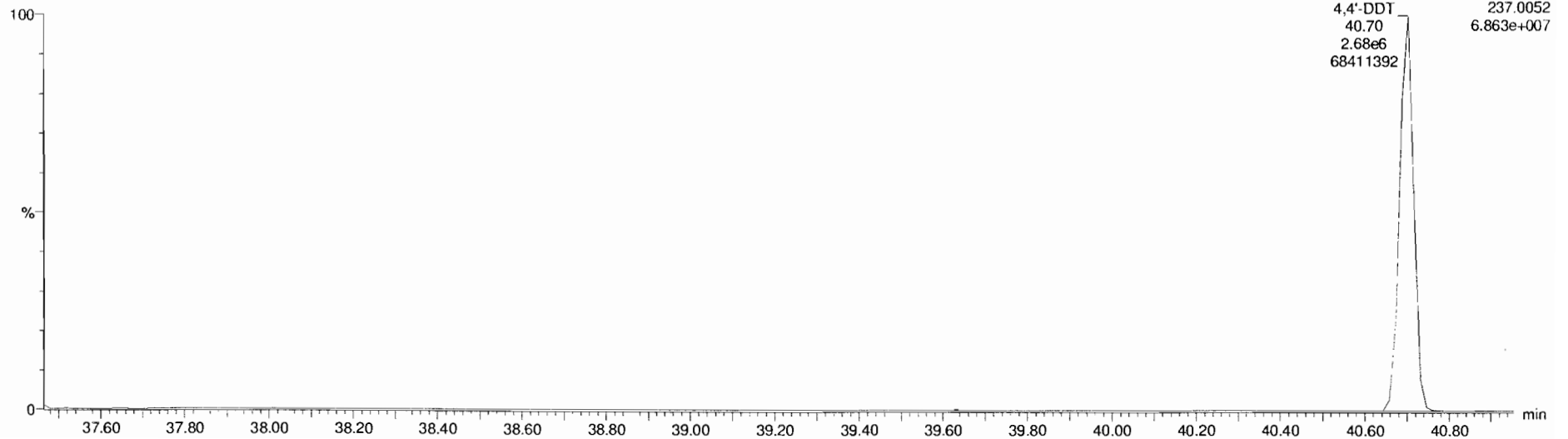
Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK

4,4'-DDT

191021K2_8



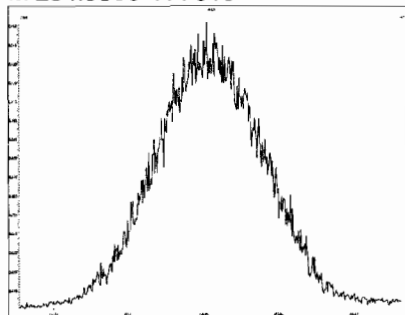
191021K2_8



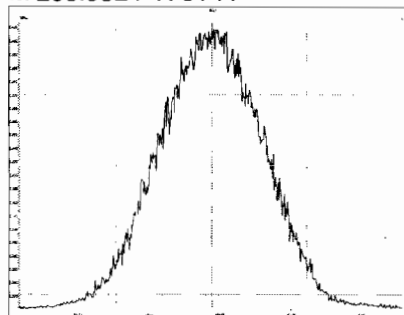
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:52:53 Pacific Daylight Time

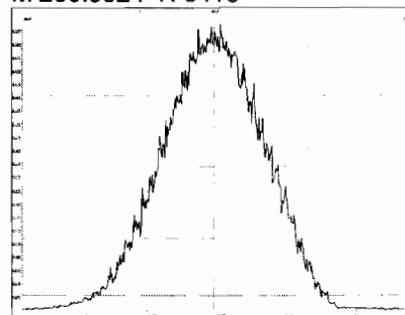
M 254.9856 R 7619



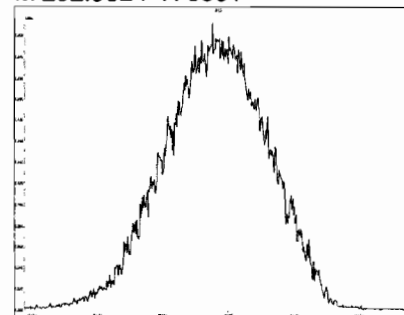
M 268.9824 R 8144



M 280.9824 R 8416



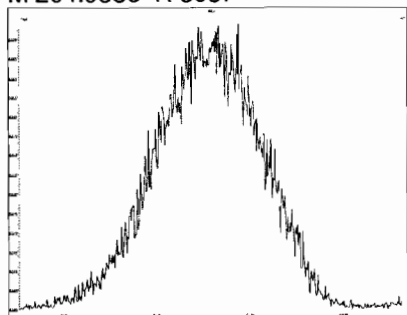
M 292.9824 R 8391



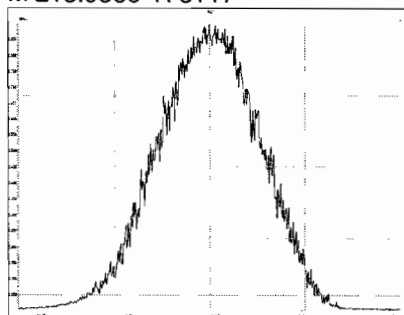
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:54:24 Pacific Daylight Time

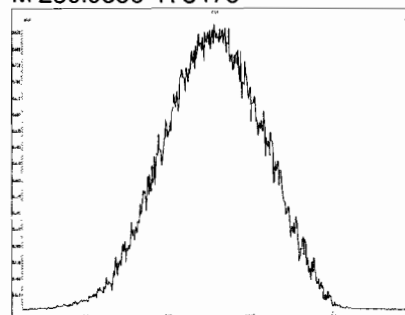
M 204.9888 R 8037



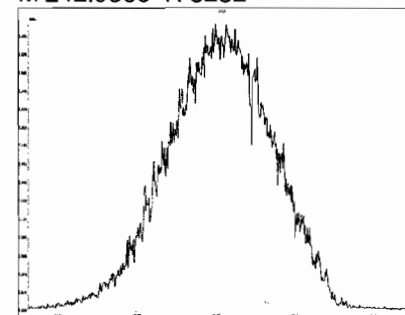
M 218.9856 R 8117



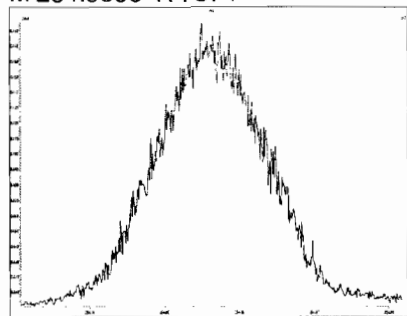
M 230.9856 R 8475



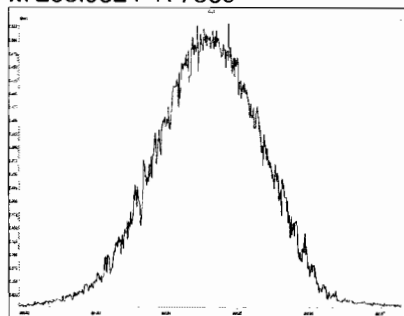
M 242.9856 R 8252



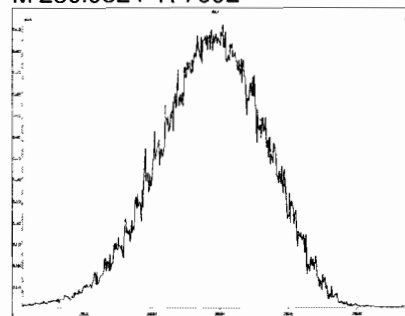
M 254.9856 R 7374



M 268.9824 R 7859



M 280.9824 R 7692



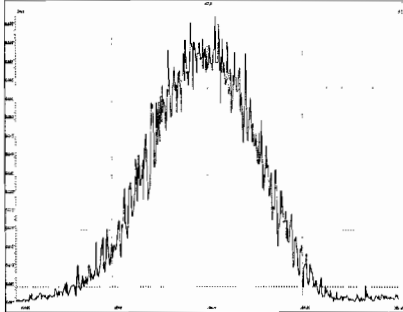
Experiment Calibration Report

MassLynx 4.1 SCN815

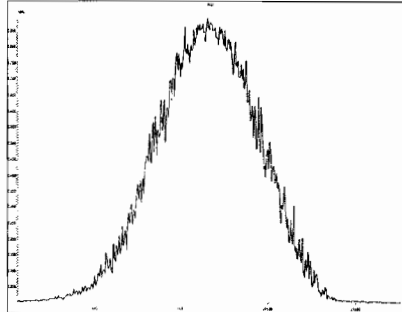
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:55:29 Pacific Daylight Time

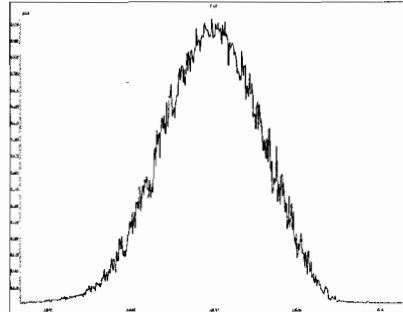
M 204.9888 R 8089



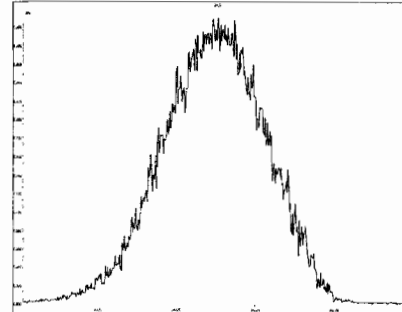
M 218.9856 R 8532



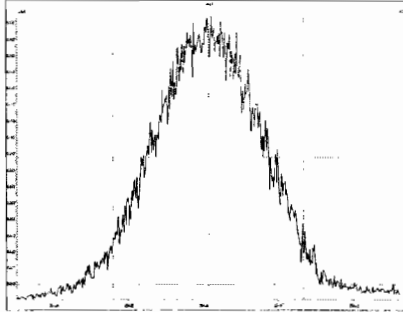
M 230.9856 R 8472



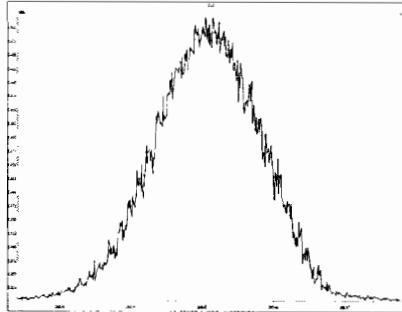
M 242.9856 R 8307



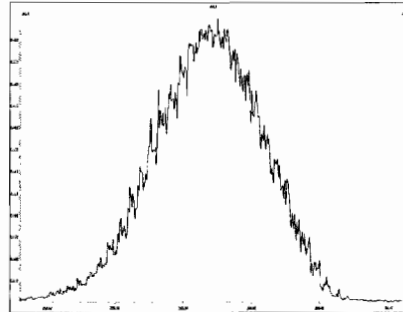
M 254.9856 R 7691



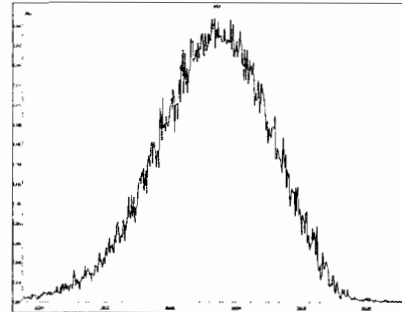
M 268.9824 R 7786



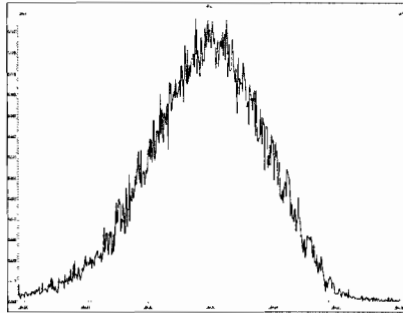
M 280.9824 R 7837



M 292.9824 R 7529



M 304.9824 R 7332



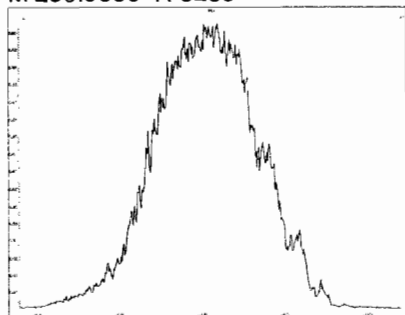
Experiment Calibration Report

MassLynx 4.1 SCN815

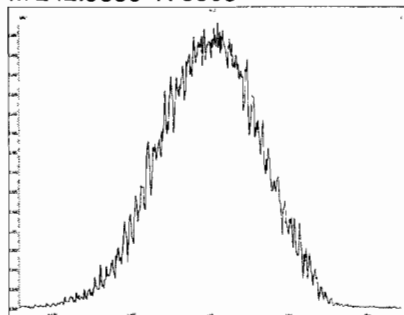
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:57:28 Pacific Daylight Time

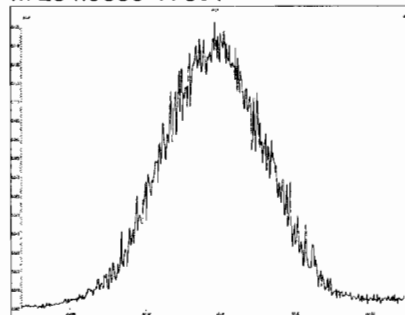
M 230.9856 R 8253



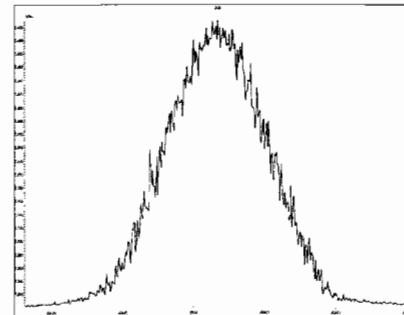
M 242.9856 R 8503



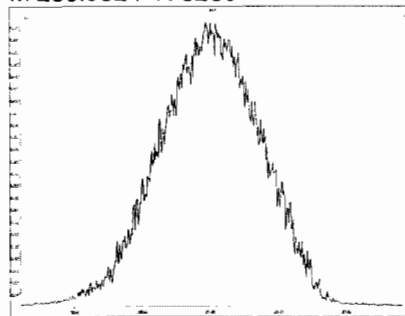
M 254.9856 R 8011



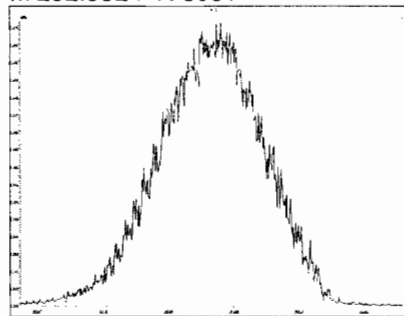
M 268.9824 R 8771



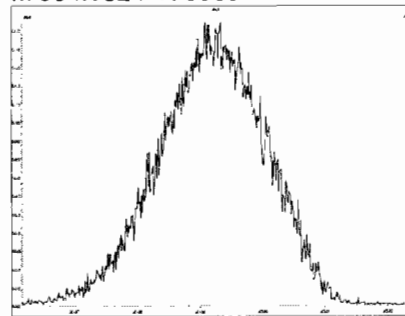
M 280.9824 R 8280



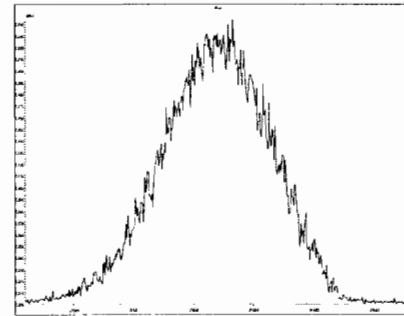
M 292.9824 R 8091



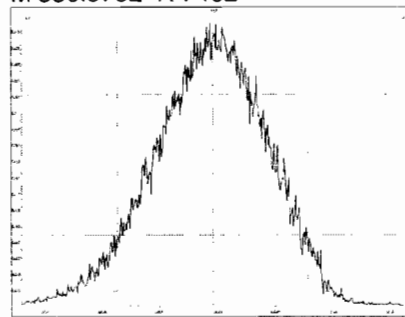
M 304.9824 R 8089



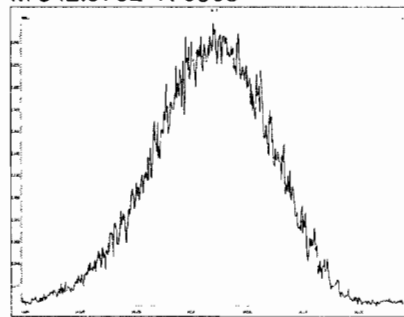
M 318.9792 R 7938



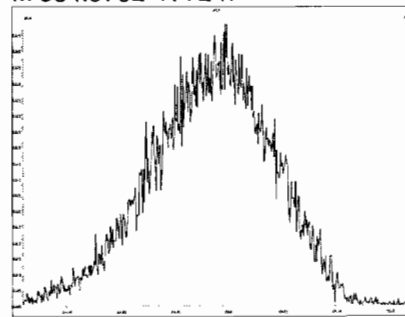
M 330.9792 R 7462



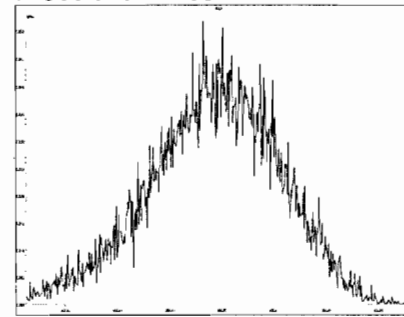
M 342.9792 R 6905



M 354.9792 R 7247



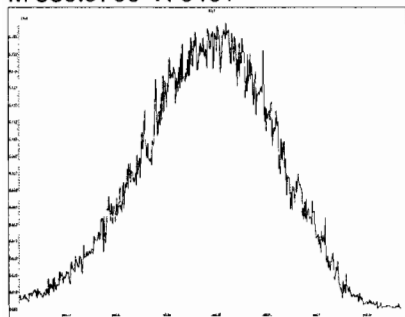
M 366.9792 R 6510



File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:57:28 Pacific Daylight Time

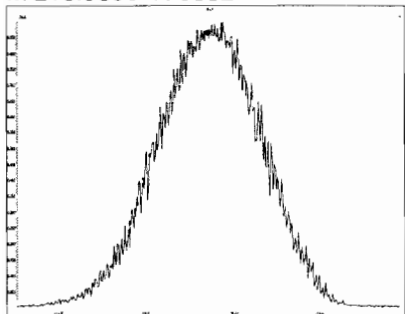
M 380.9760 R 6461



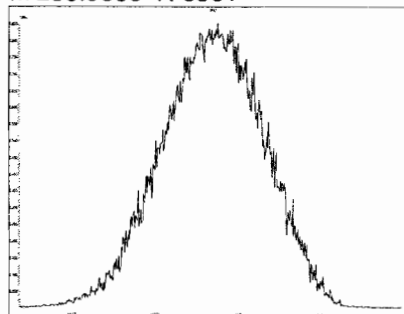
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:58:40 Pacific Daylight Time

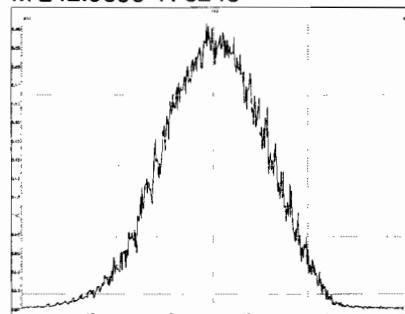
M 218.9856 R 8332



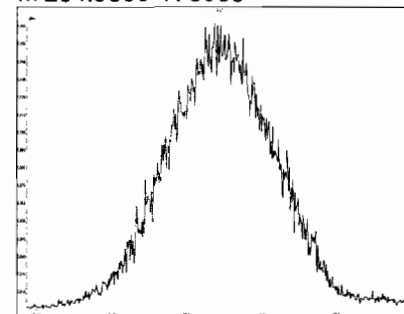
M 230.9856 R 8361



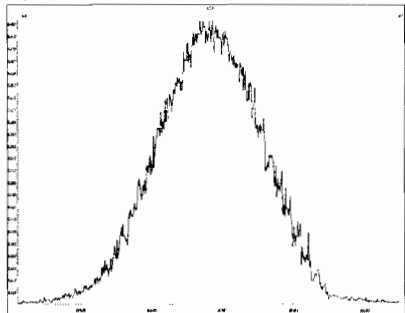
M 242.9856 R 8248



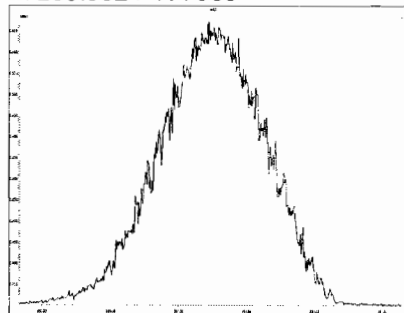
M 254.9856 R 8065



M 268.9824 R 7886



M 280.9824 R 7989



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

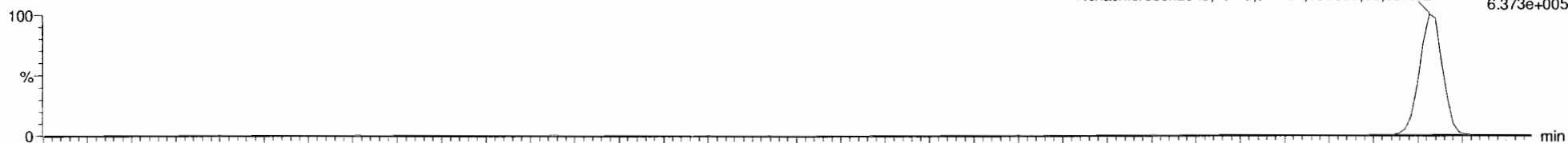
Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: 22 Oct 2019 09:37:14

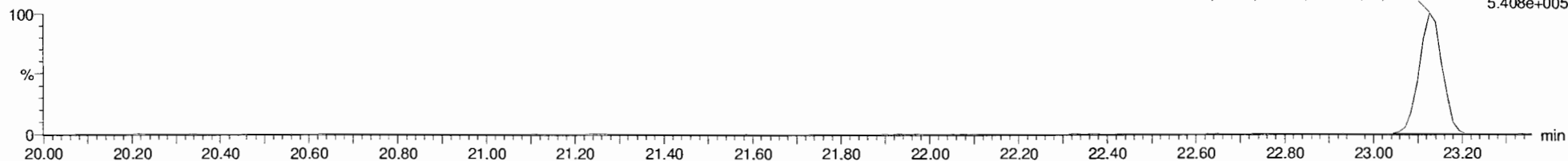
Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Hexachlorobenzene

191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

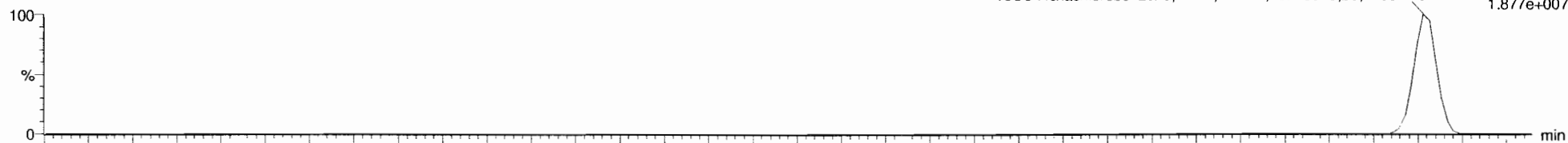


191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

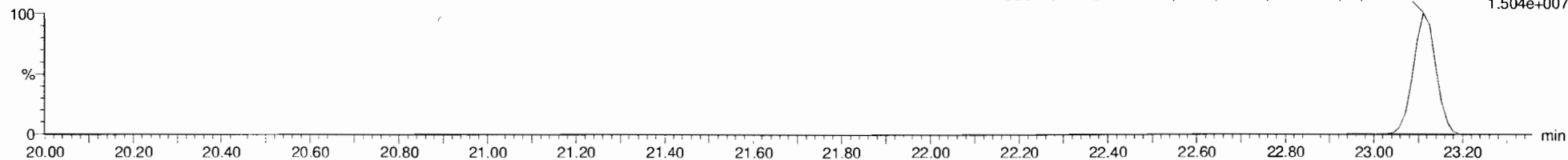


13C6-Hexachlorobenzene

191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202



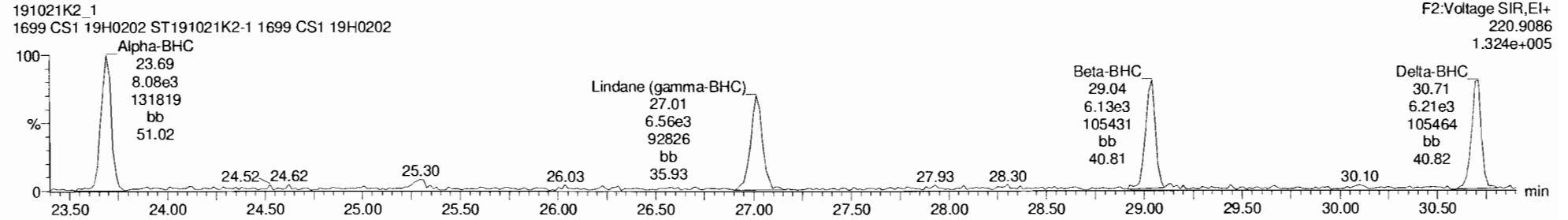
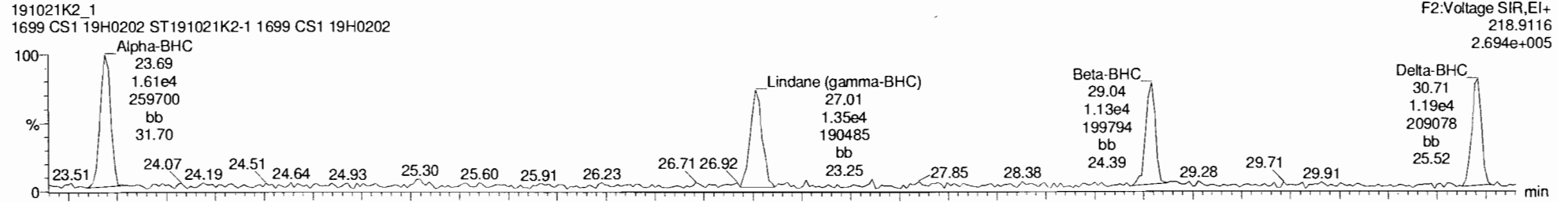
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

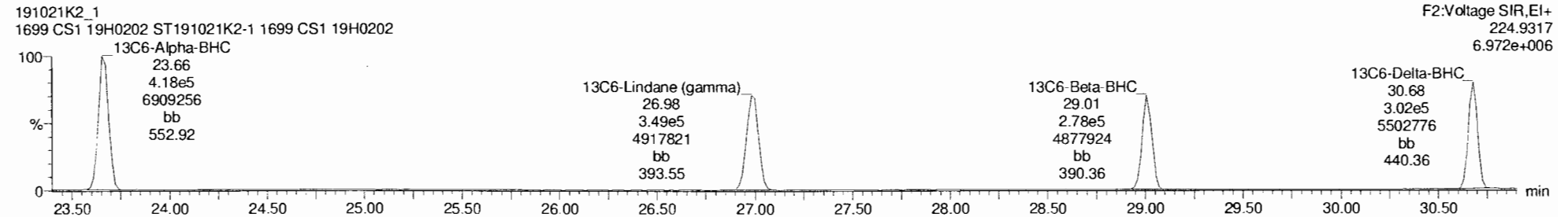
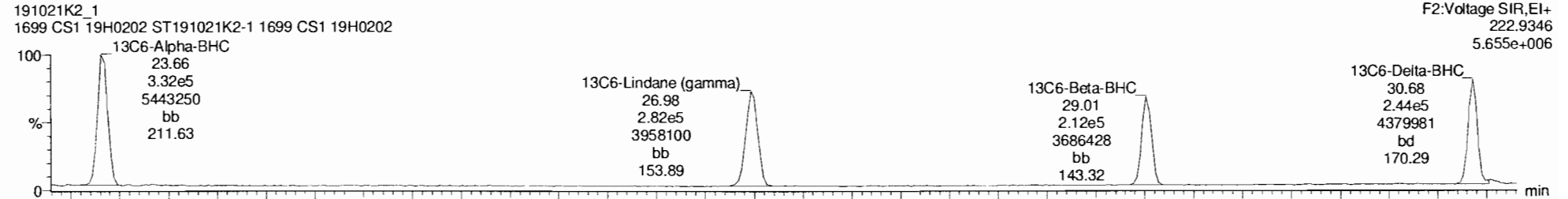
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

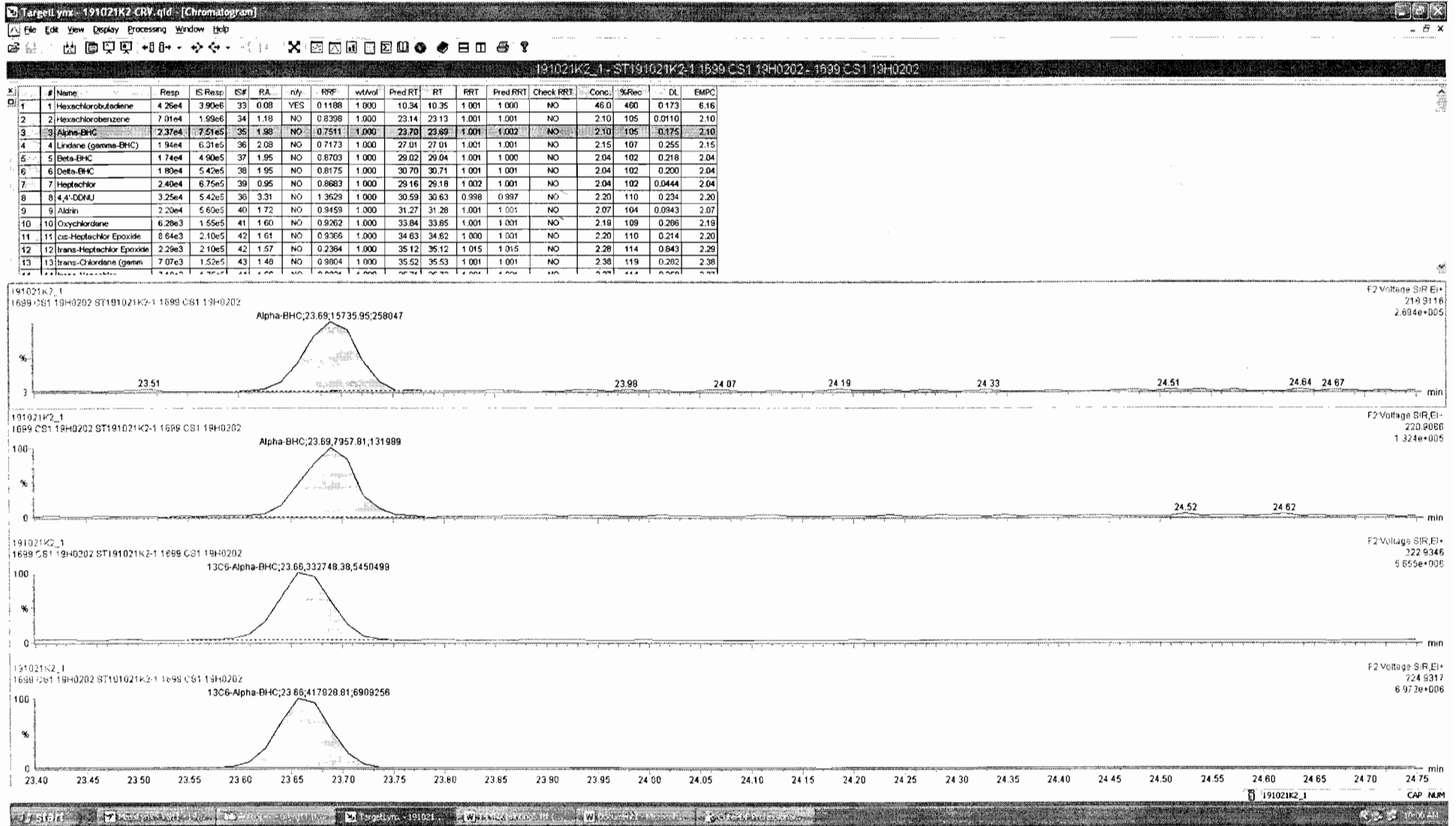
Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

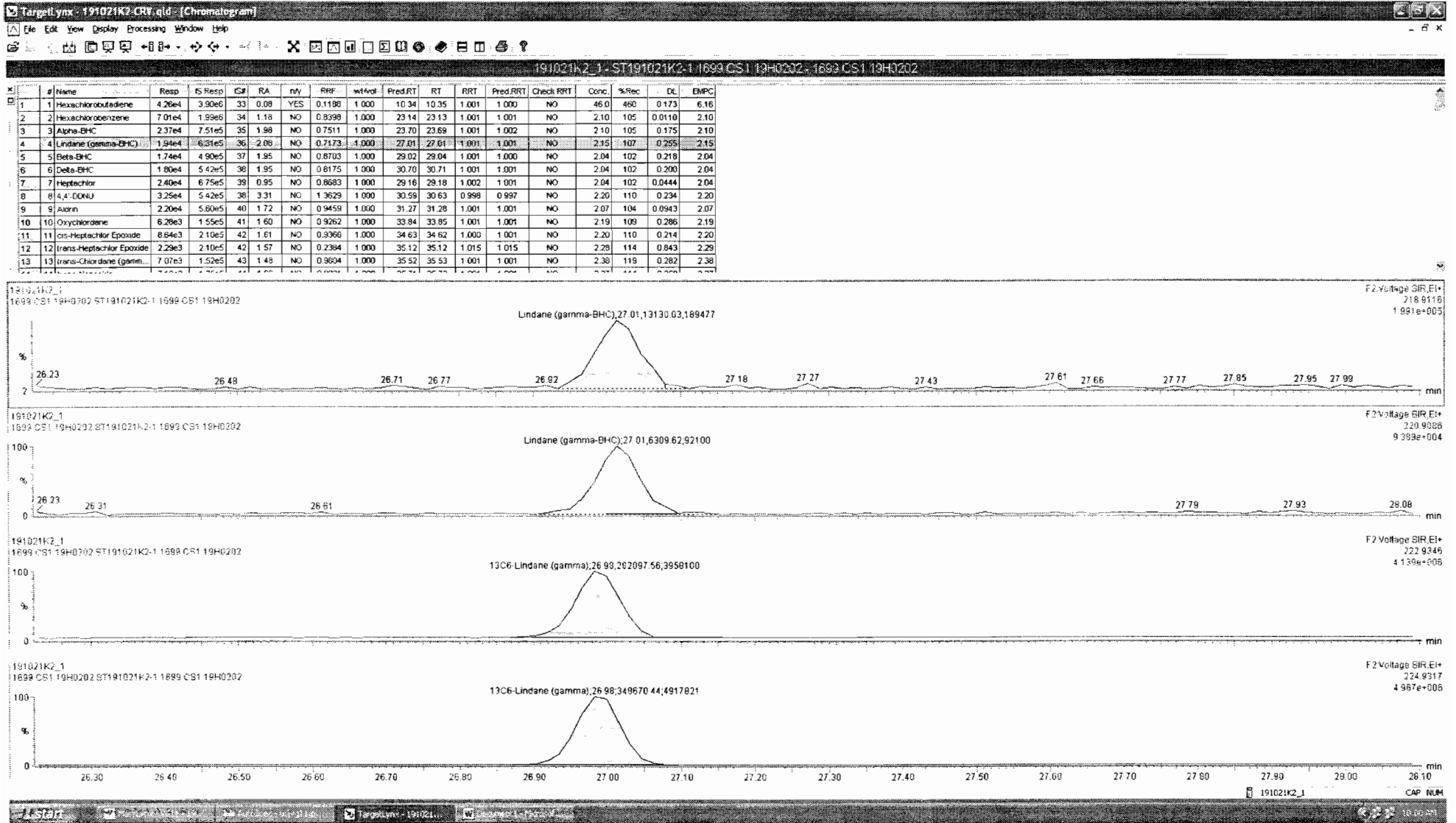
BHC Totals

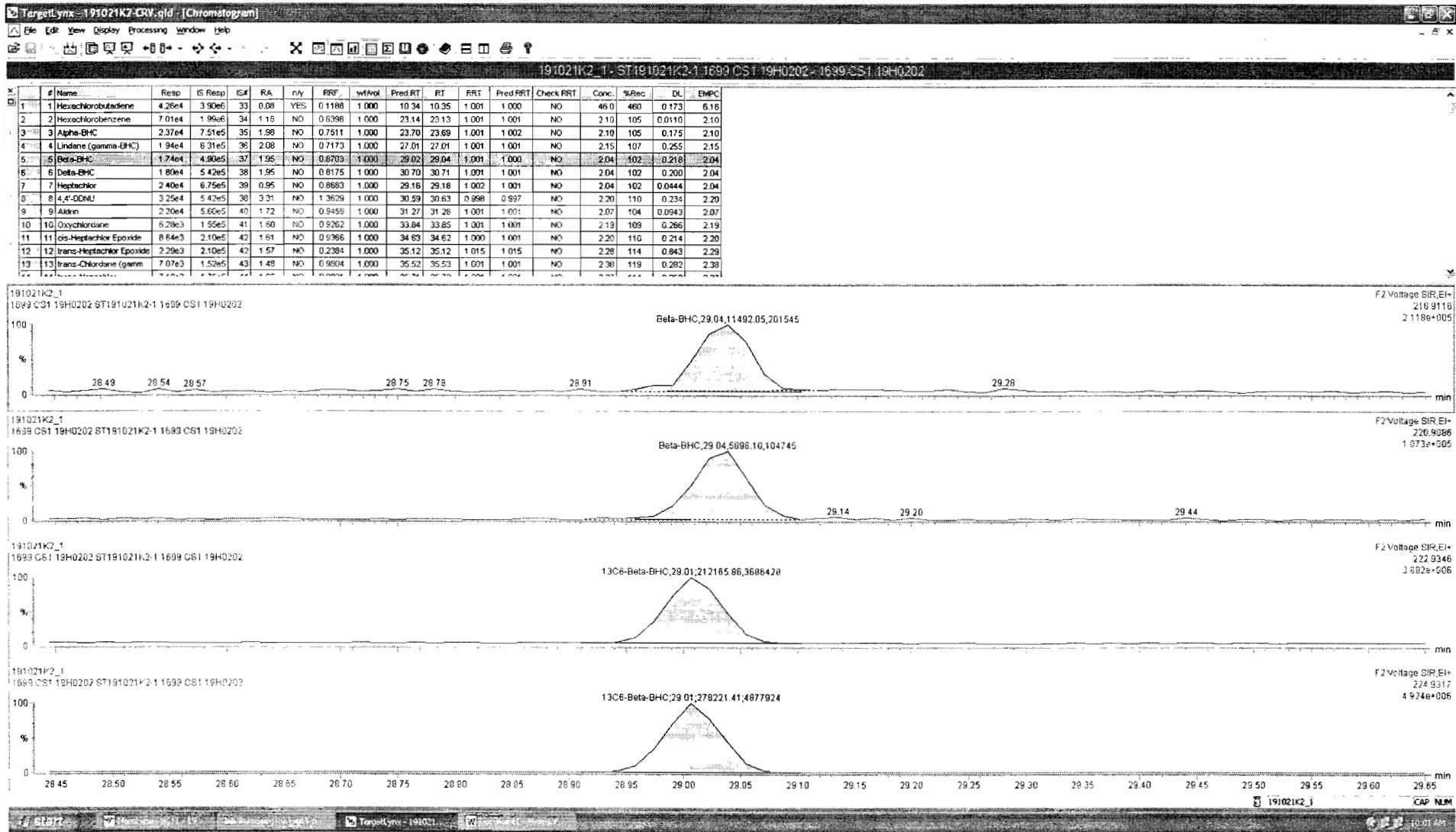


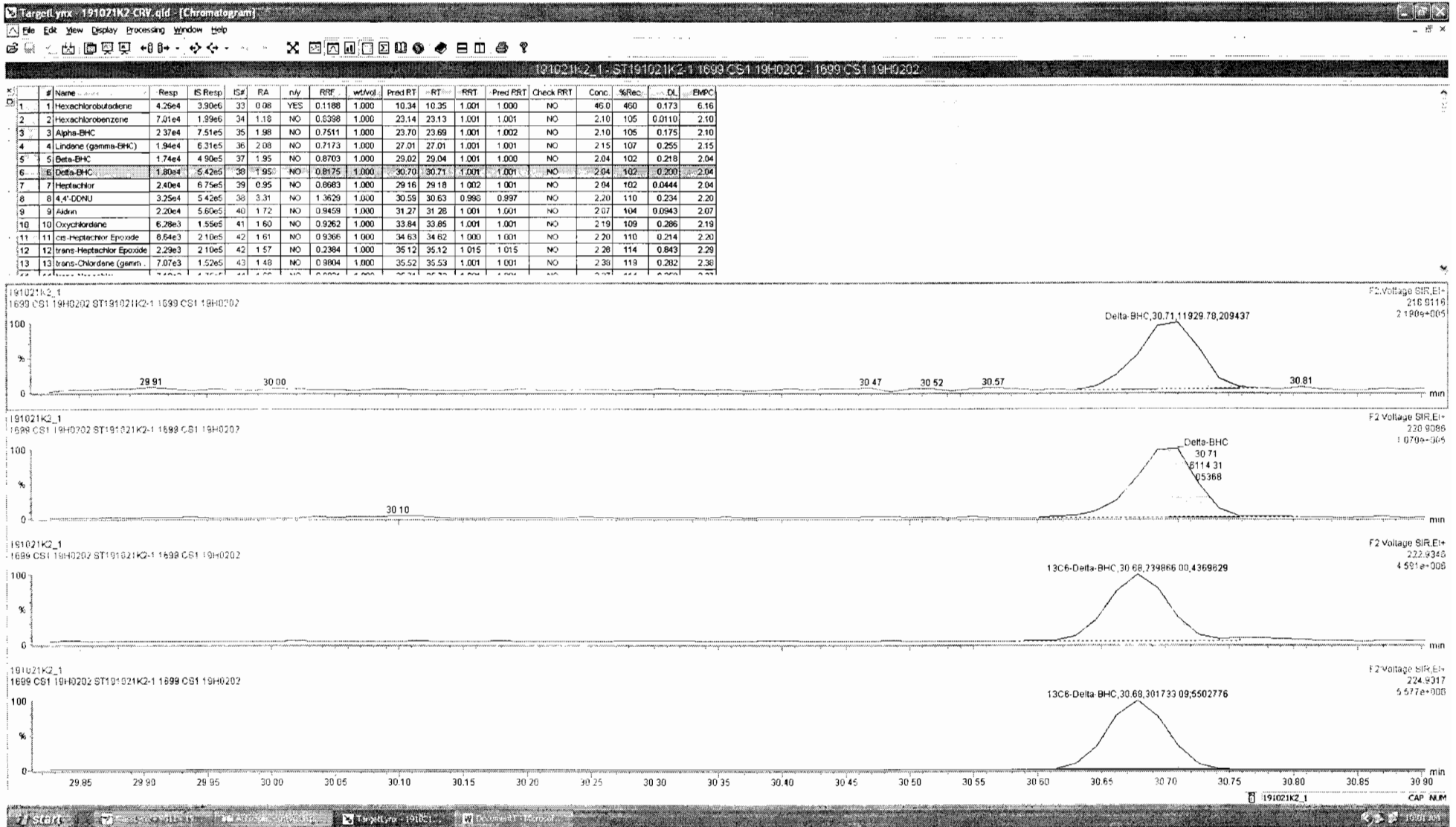
BHC-isotopes











Dataset: Untitled

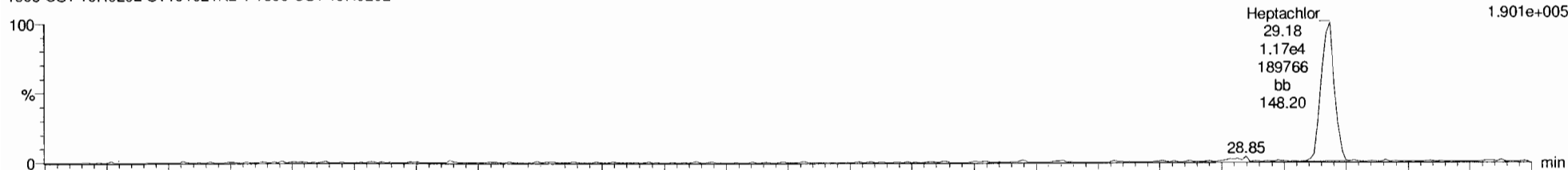
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Heptachlor

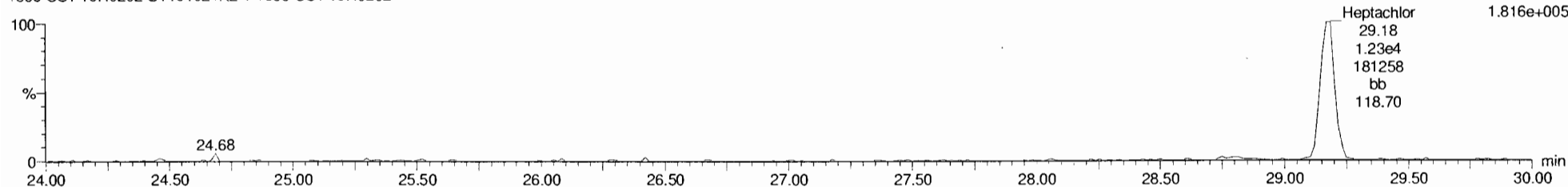
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
271.8102
1.901e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

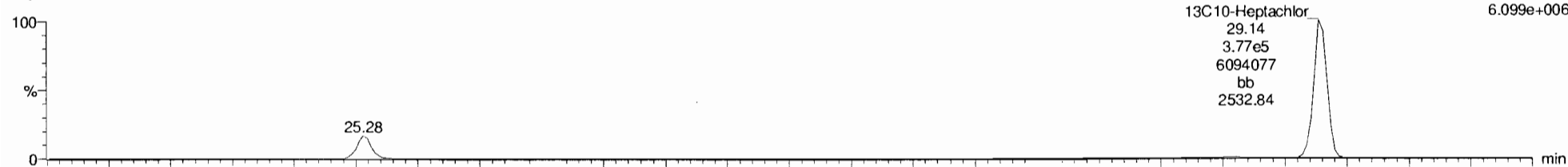
F2:Voltage SIR,EI+
273.8072
1.816e+005



¹³C10-Heptachlor

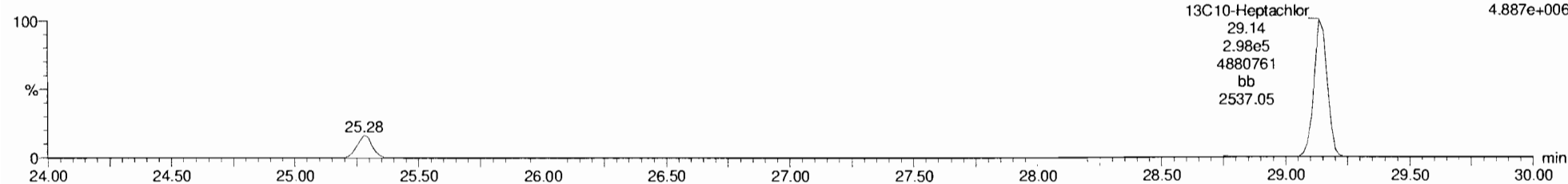
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
276.8269
6.099e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
278.8240
4.887e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

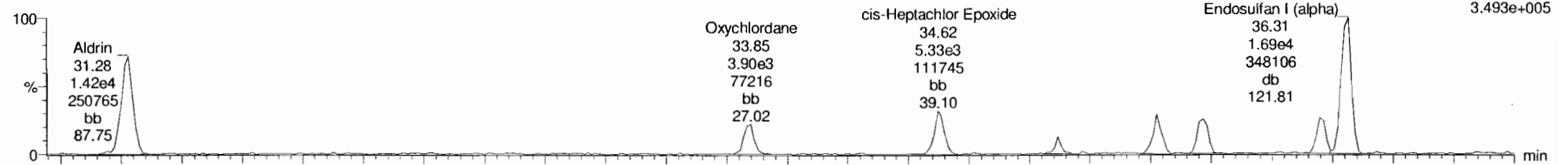
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Aldrin-EI

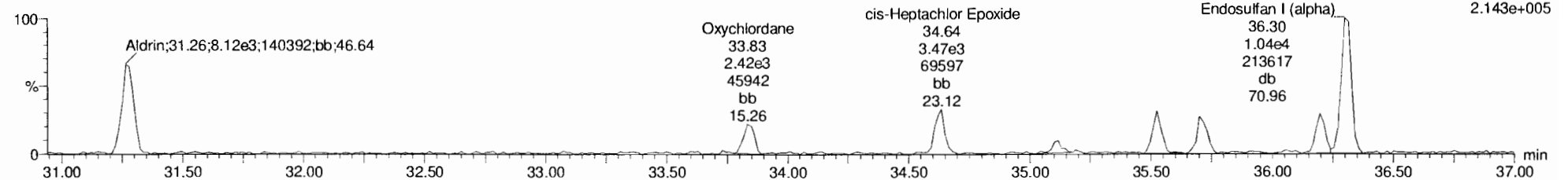
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
262.8569
3.493e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

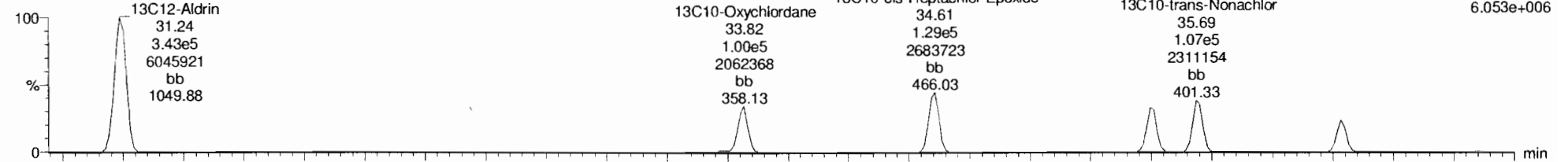
F3:Voltage SIR,EI+
264.8550
2.143e+005



Aldrin-EI-isotopes

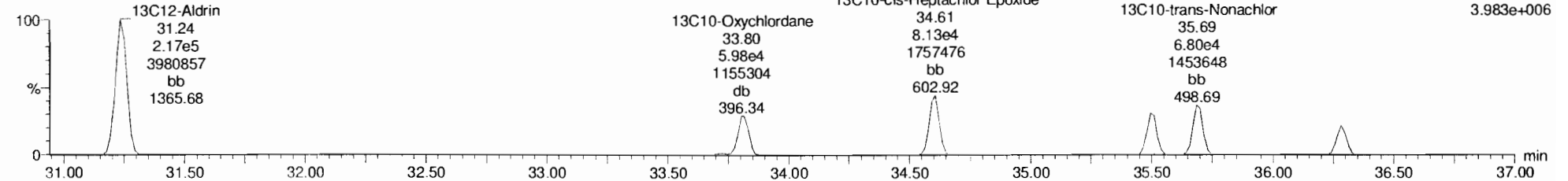
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

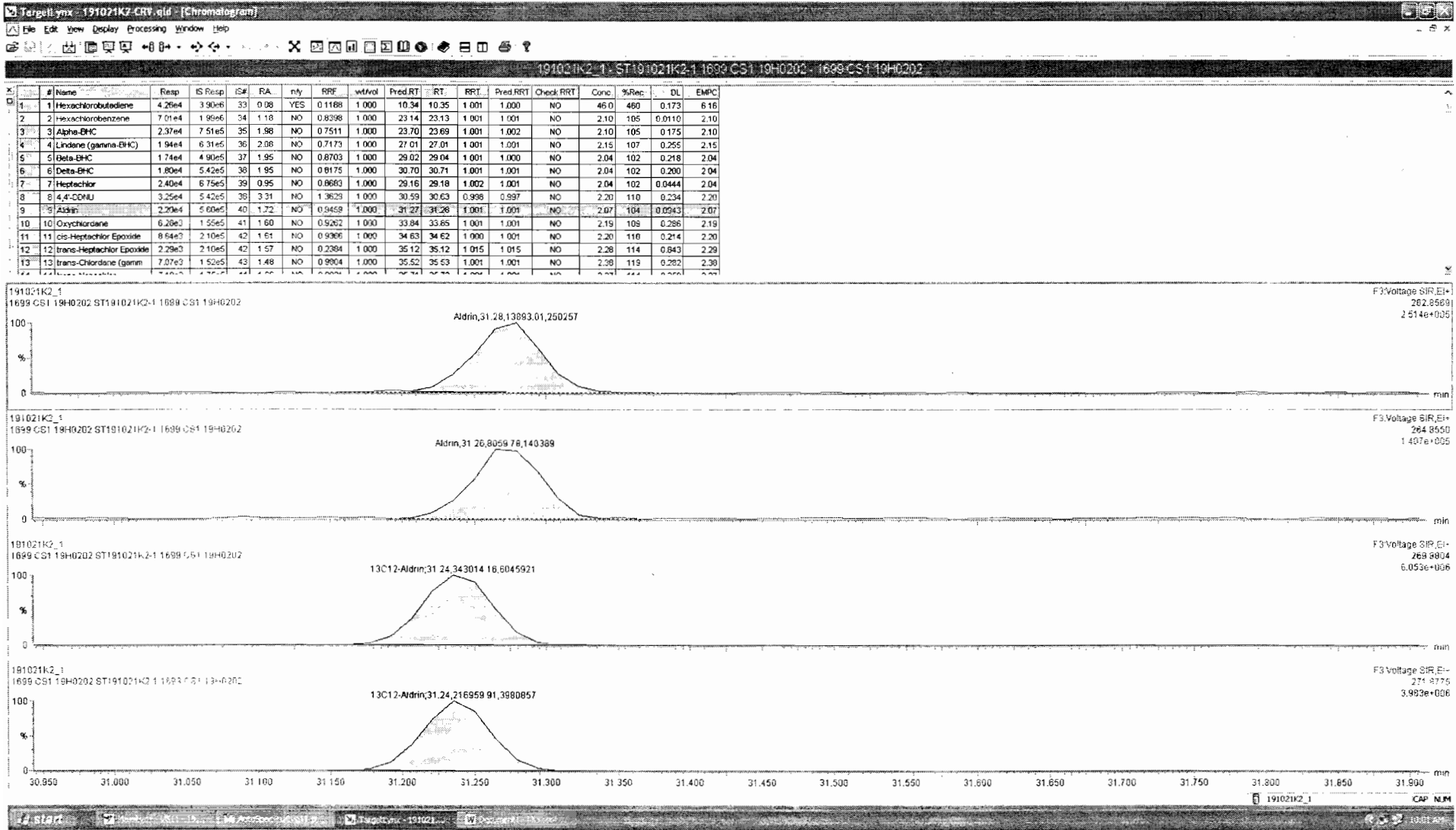
F3:Voltage SIR,EI+
269.8804
6.053e+006

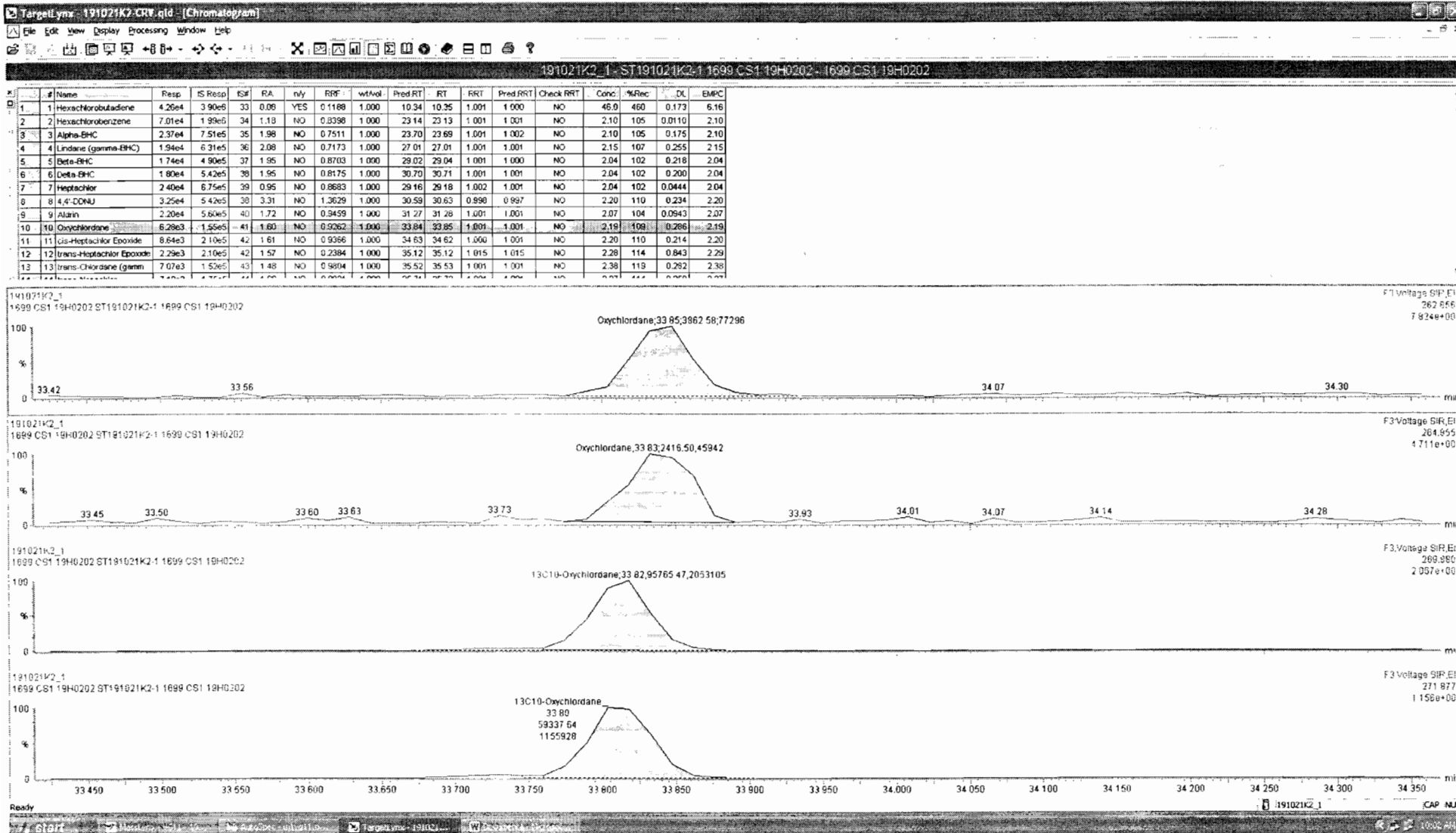


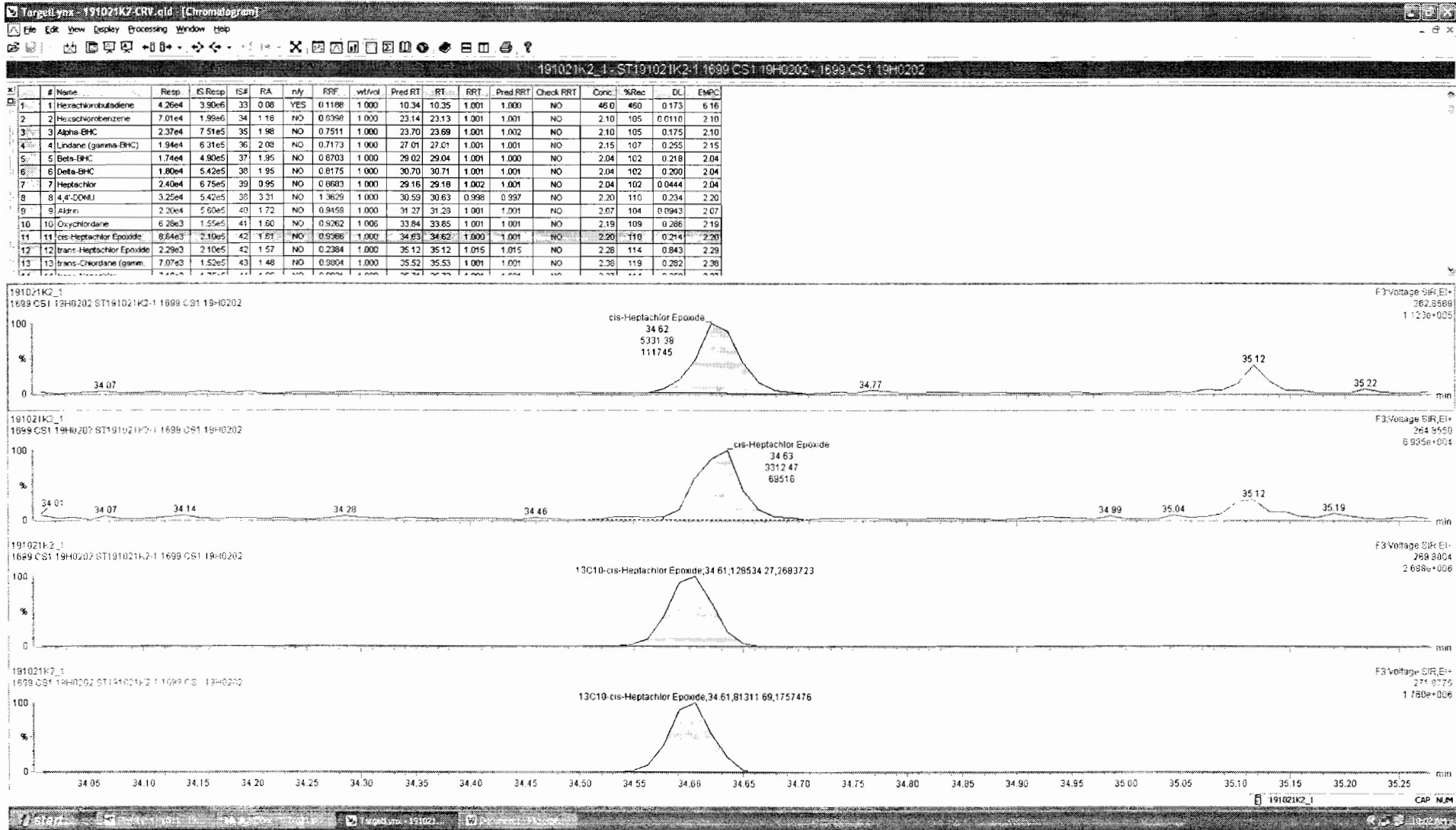
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

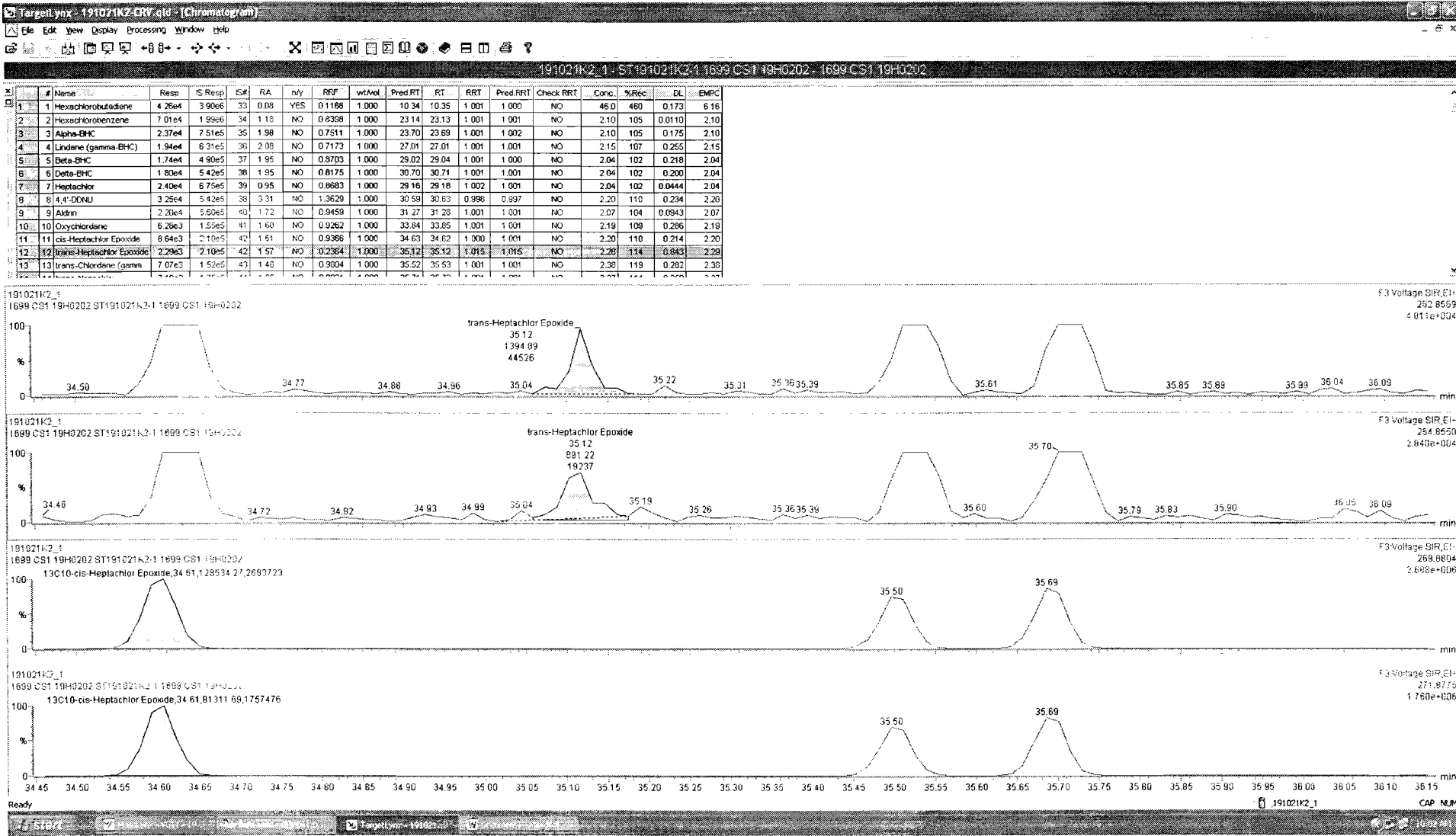
F3:Voltage SIR,EI+
271.8775
3.983e+006

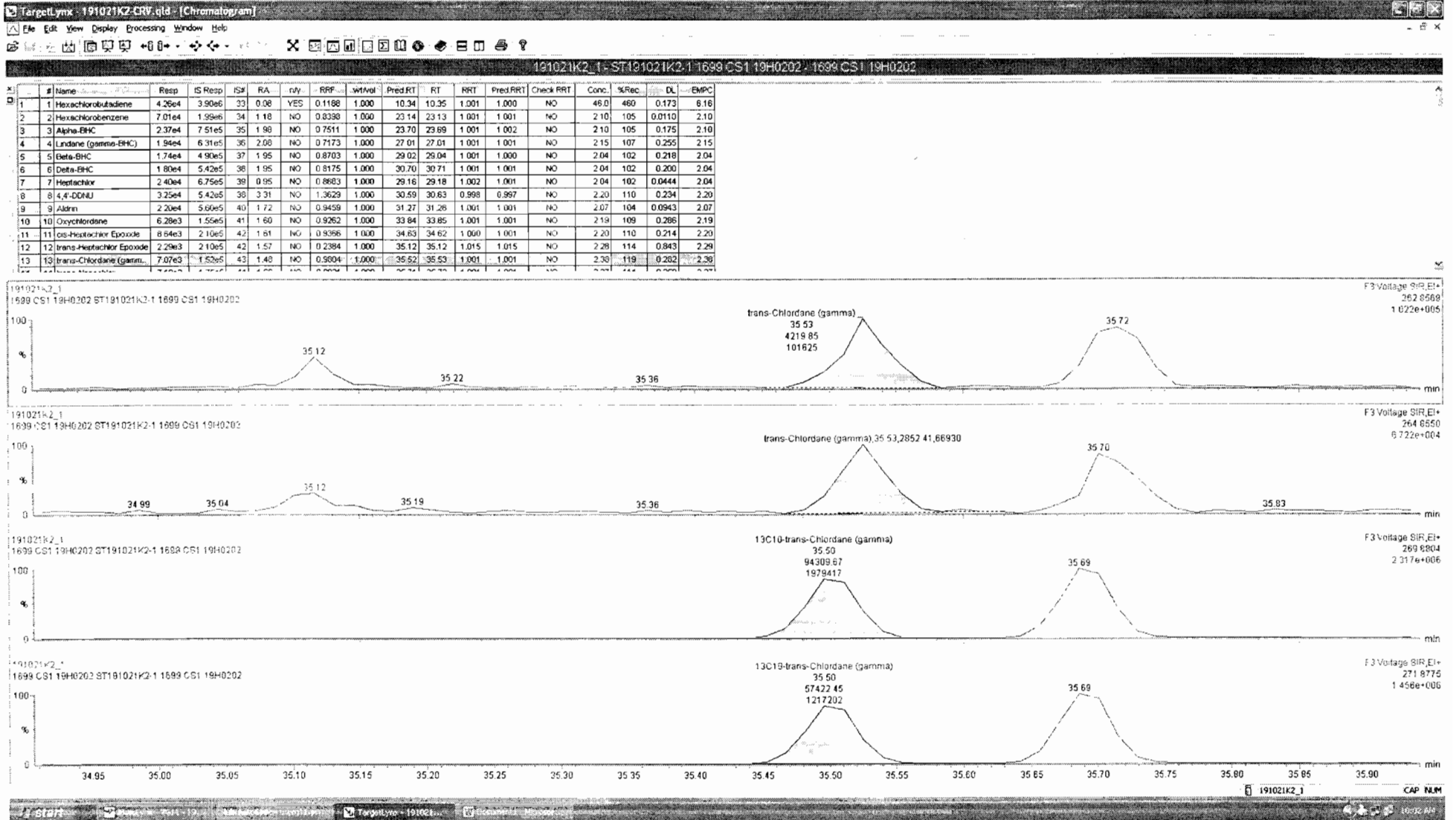


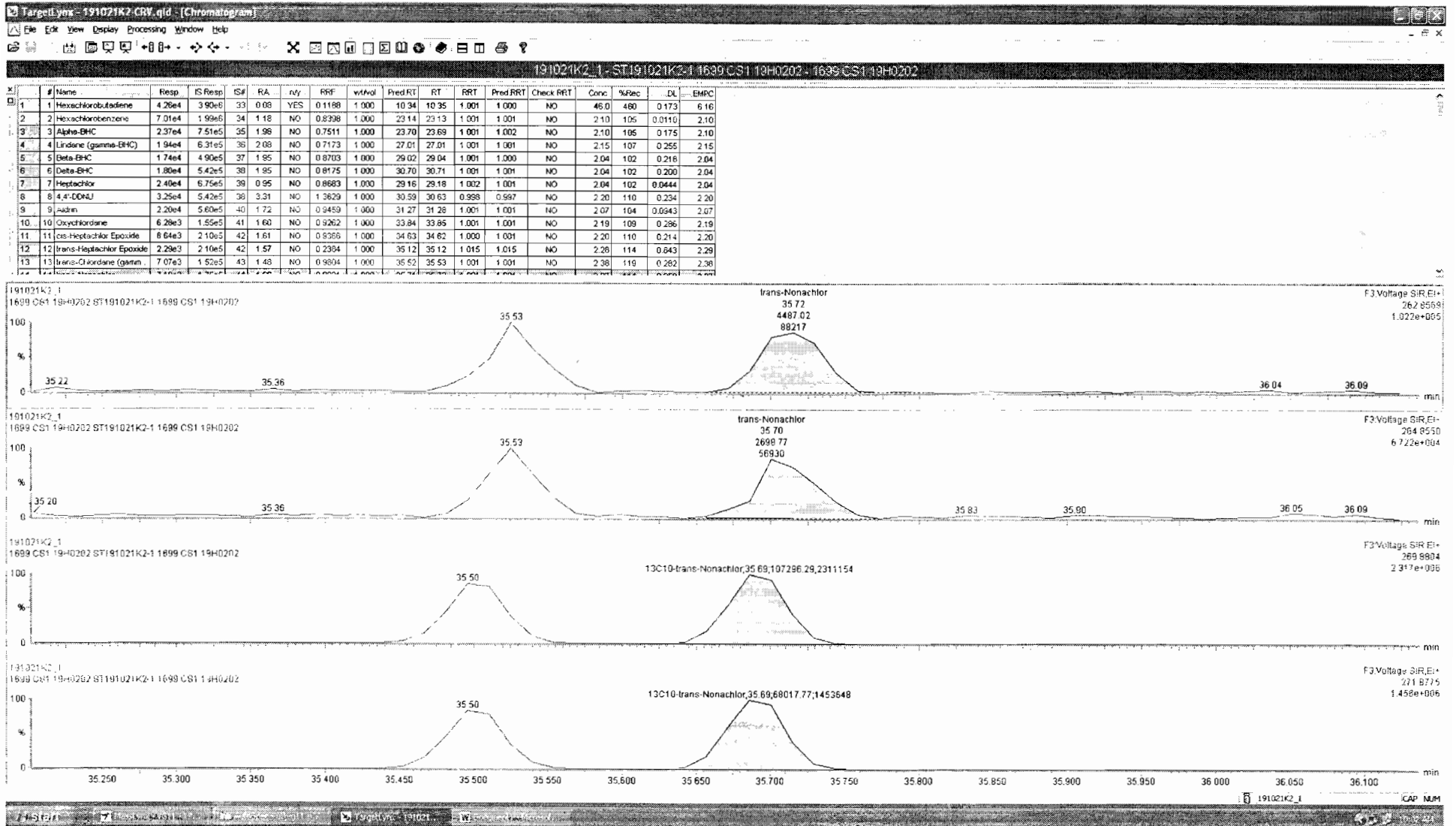






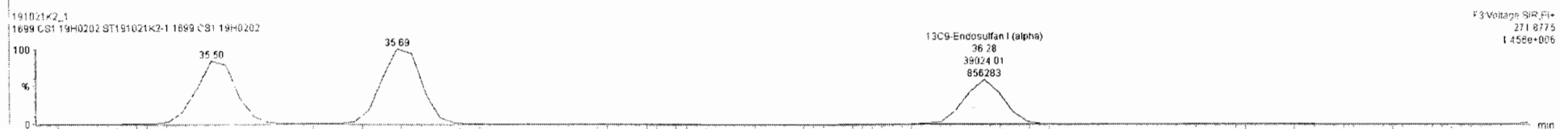
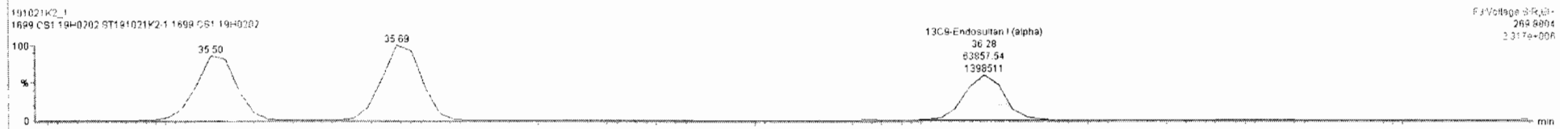
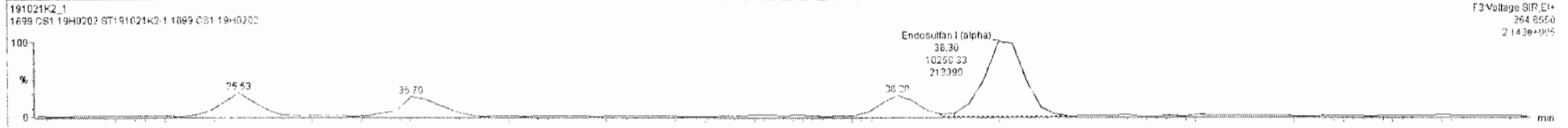
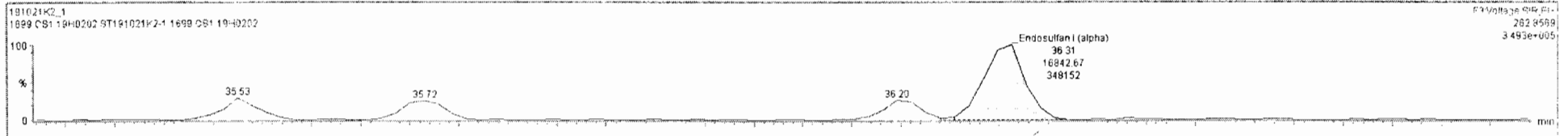






191021K2_1 - ST191021K2-1 1699 CS1 19H0202 - 1699 CS1 19H0202

| # | Name | Resp | IS Resp | IS# | RA | nly | RRF | wtAol | Pred RT | RT | RRT | Pred RRT | Check RRT | Conc | %Rec | DL | EMC |
|----|-------------------------|--------|---------|-----|------|-----|--------|-------|---------|-------|-------|----------|-----------|------|------|--------|------|
| 15 | 15 cis-Chlordane | 6.81e3 | 1.75e5 | 44 | 1.46 | NO | 0.8988 | 1.000 | 36.20 | 36.20 | 1.014 | 1.015 | NO | 2.16 | 108 | 0.259 | 216 |
| 16 | 16 Endosulfan I (alpha) | 2.71e4 | 1.03e5 | 45 | 1.84 | NO | 1.0346 | 1.000 | 36.31 | 36.31 | 1.001 | 1.001 | NO | 12.7 | 127 | 0.378 | 12.7 |
| 17 | 17 4,4'-DDMU | 6.63e4 | 2.94e6 | 46 | 3.26 | NO | 0.5214 | 1.000 | 35.94 | 35.95 | 0.994 | 0.994 | NO | 2.16 | 100 | 0.0810 | 2.16 |
| 18 | 18 2,4'-DDE | 9.81e4 | 2.94e6 | 46 | 1.24 | NO | 0.7575 | 1.000 | 36.16 | 36.18 | 1.000 | 1.000 | NO | 2.20 | 110 | 0.192 | 2.21 |
| 19 | 19 4,4'-DDE | 7.71e4 | 2.23e6 | 47 | 1.18 | NO | 0.7713 | 1.000 | 37.25 | 37.25 | 1.000 | 1.000 | NO | 2.24 | 112 | 0.247 | 2.24 |
| 20 | 20 Dieldrin | 9.46e3 | 2.29e5 | 48 | 1.43 | NO | 0.9273 | 1.000 | 37.75 | 37.75 | 1.000 | 1.000 | NO | 2.23 | 111 | 0.164 | 2.23 |
| 21 | 21 Endrin | 8.05e3 | 2.07e5 | 49 | 1.54 | NO | 0.9018 | 1.000 | 39.14 | 39.16 | 1.000 | 1.000 | NO | 2.15 | 108 | 0.201 | 2.15 |
| 22 | 22 cis-Nonachlor | 5.74e3 | 1.39e5 | 50 | 1.24 | NO | 0.9134 | 1.000 | 39.44 | 39.44 | 1.000 | 1.000 | NO | 2.27 | 114 | 0.285 | 2.27 |
| 23 | 23 Endosulfan II (beta) | 1.09e4 | 4.14e4 | 51 | 1.25 | NO | 1.0280 | 1.000 | 40.15 | 40.17 | 1.000 | 1.000 | NO | 12.8 | 128 | 0.743 | 12.8 |
| 24 | 24 2,4'-DDD | 7.98e4 | 2.09e6 | 52 | 1.42 | NO | 0.8901 | 1.000 | 36.37 | 36.39 | 1.000 | 1.000 | NO | 2.15 | 107 | 0.265 | 2.15 |
| 25 | 25 2,4'-DDT | 5.07e4 | 1.41e6 | 53 | 1.65 | NO | 0.8667 | 1.000 | 39.52 | 39.51 | 1.000 | 1.000 | NO | 2.08 | 104 | 0.417 | 2.08 |
| 26 | 26 4,4'-DDD | 7.19e4 | 1.70e6 | 54 | 1.62 | NO | 0.9710 | 1.000 | 39.65 | 39.65 | 1.000 | 1.000 | NO | 2.08 | 104 | 0.300 | 2.08 |
| 27 | 27 4,4'-DDT | 4.92e4 | 1.13e6 | 55 | 1.41 | NO | 0.8738 | 1.000 | 40.71 | 40.72 | 1.001 | 1.000 | NO | 2.24 | 112 | 0.460 | 2.24 |



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

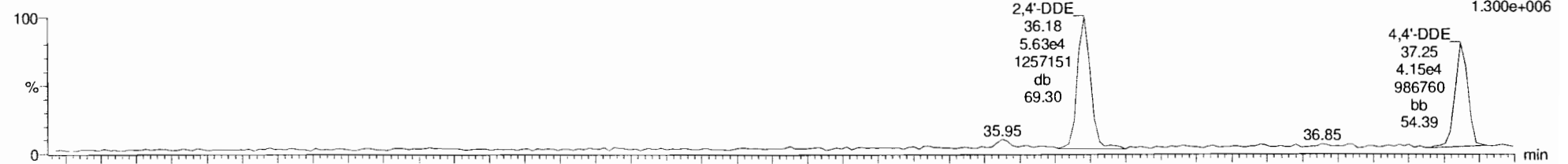
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

DDMU-DDE

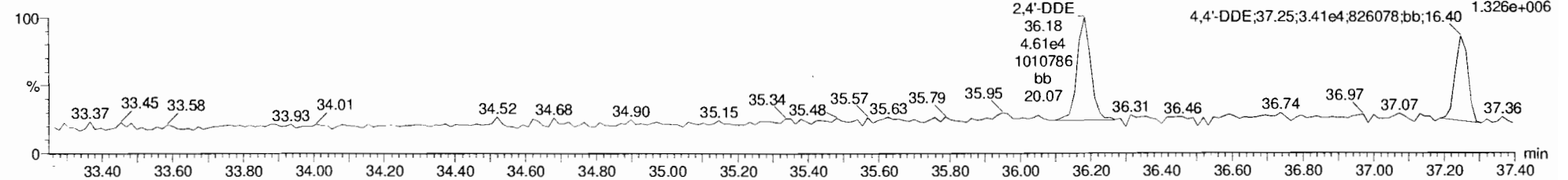
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
246.0003
1.300e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

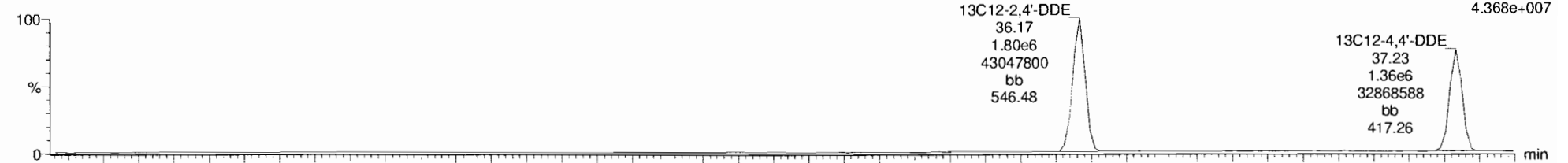
F3:Voltage SIR,EI+
247.9974
1.326e+006



DDE-isotopes

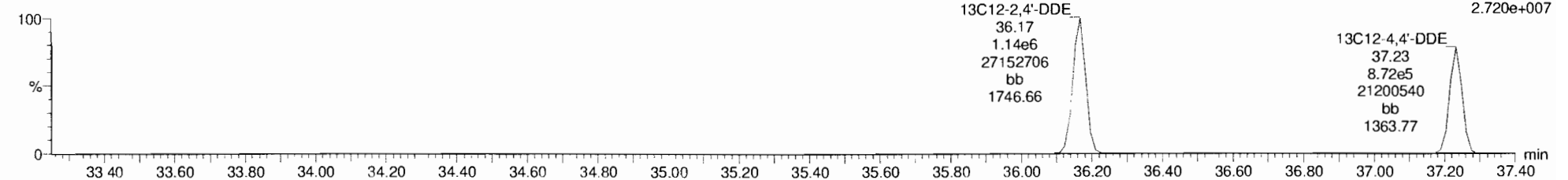
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

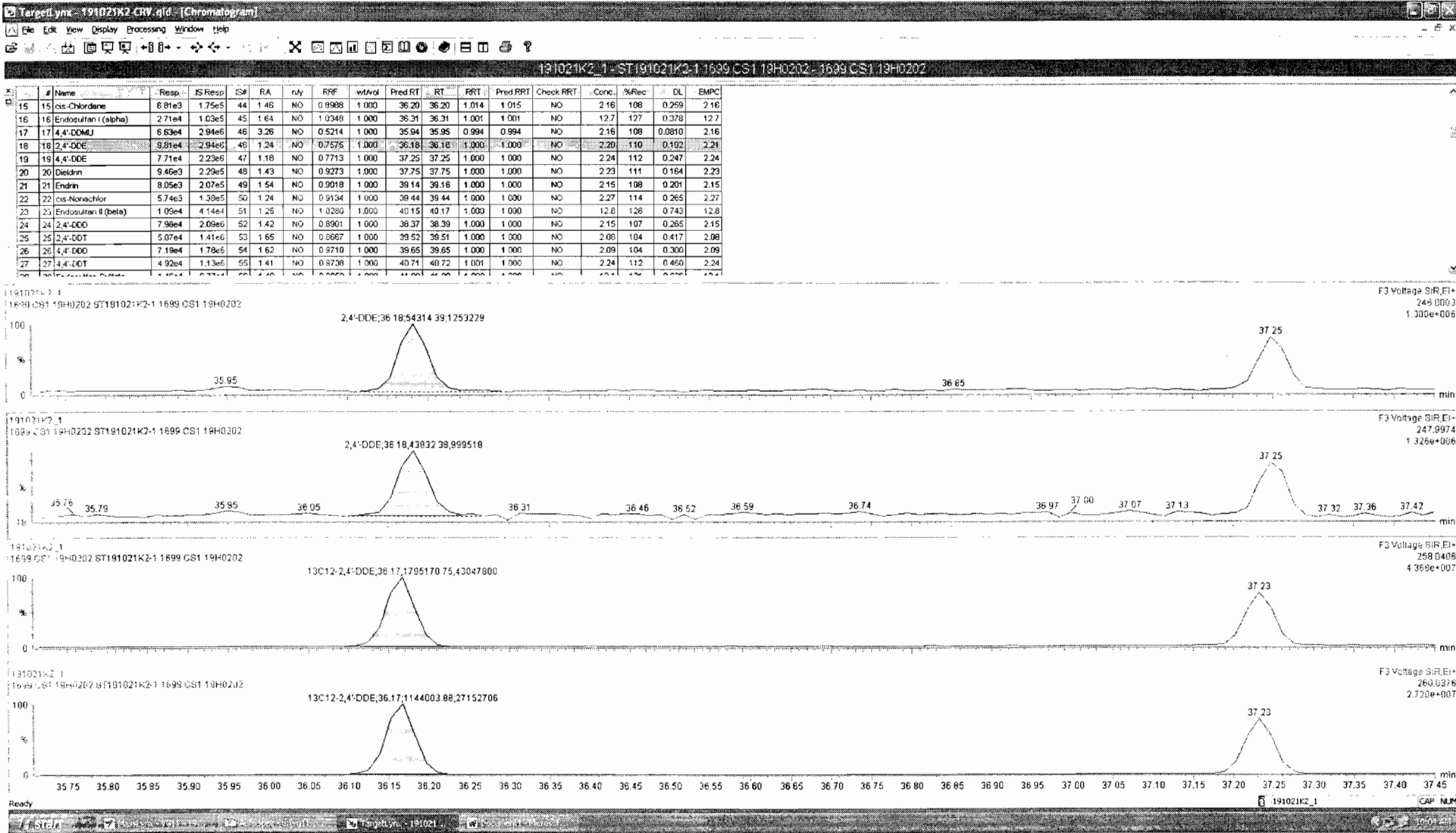
F3:Voltage SIR,EI+
258.0406
4.368e+007

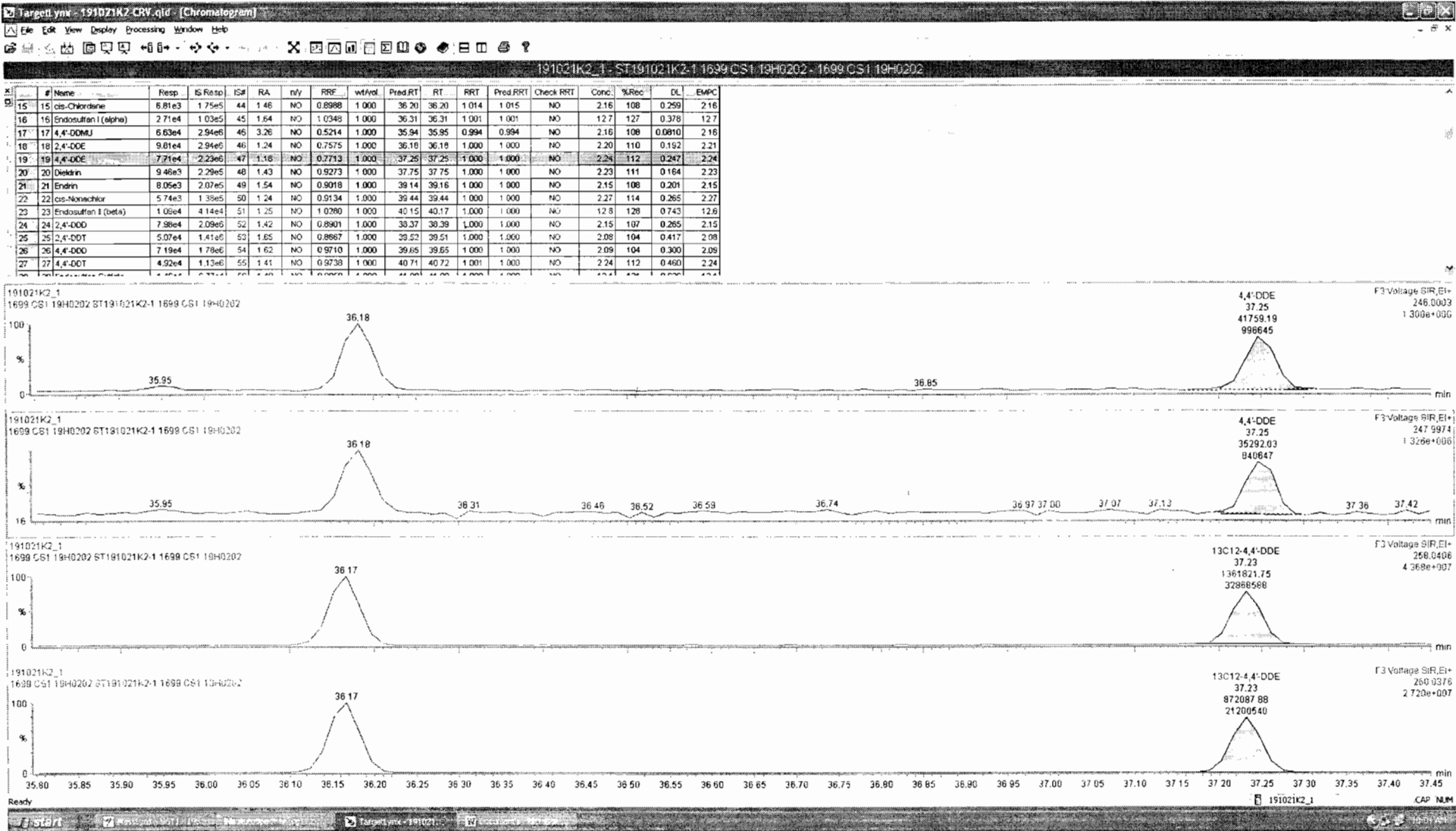


191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
260.0376
2.720e+007







Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

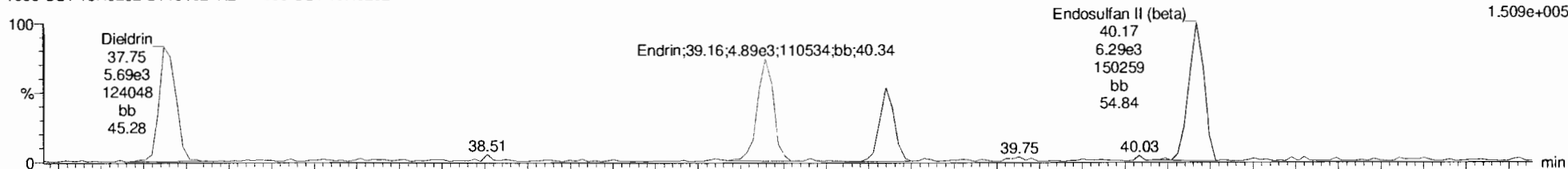
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Dieldrin-EII

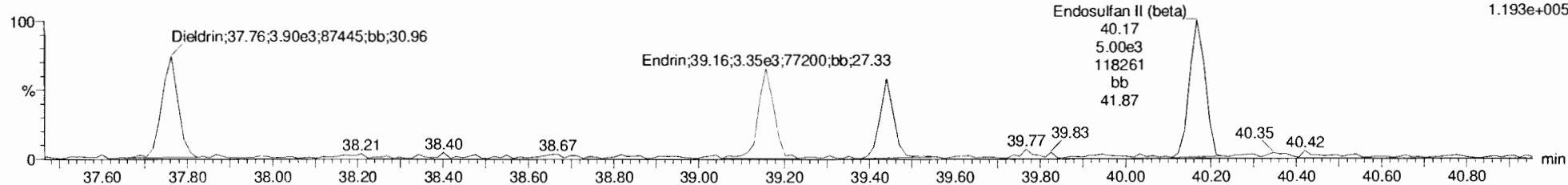
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
262.8569
1.509e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

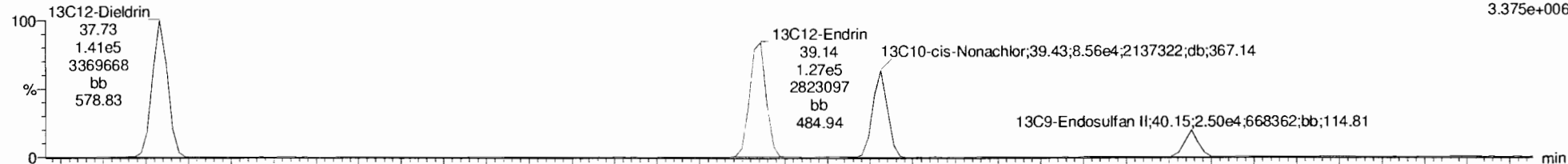
F4:Voltage SIR,EI+
264.8550
1.193e+005



Dieldrin-EII-isotopes

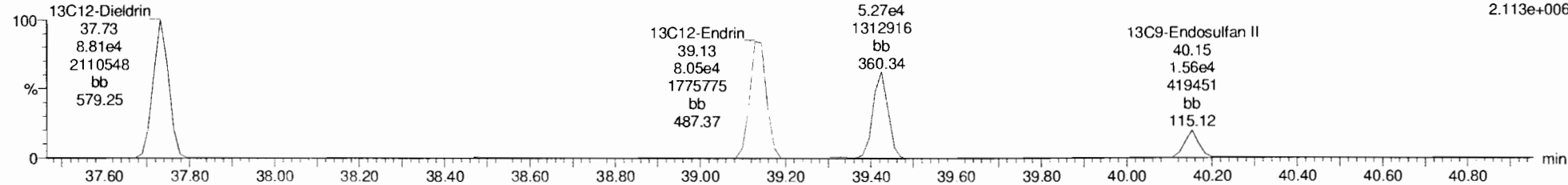
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

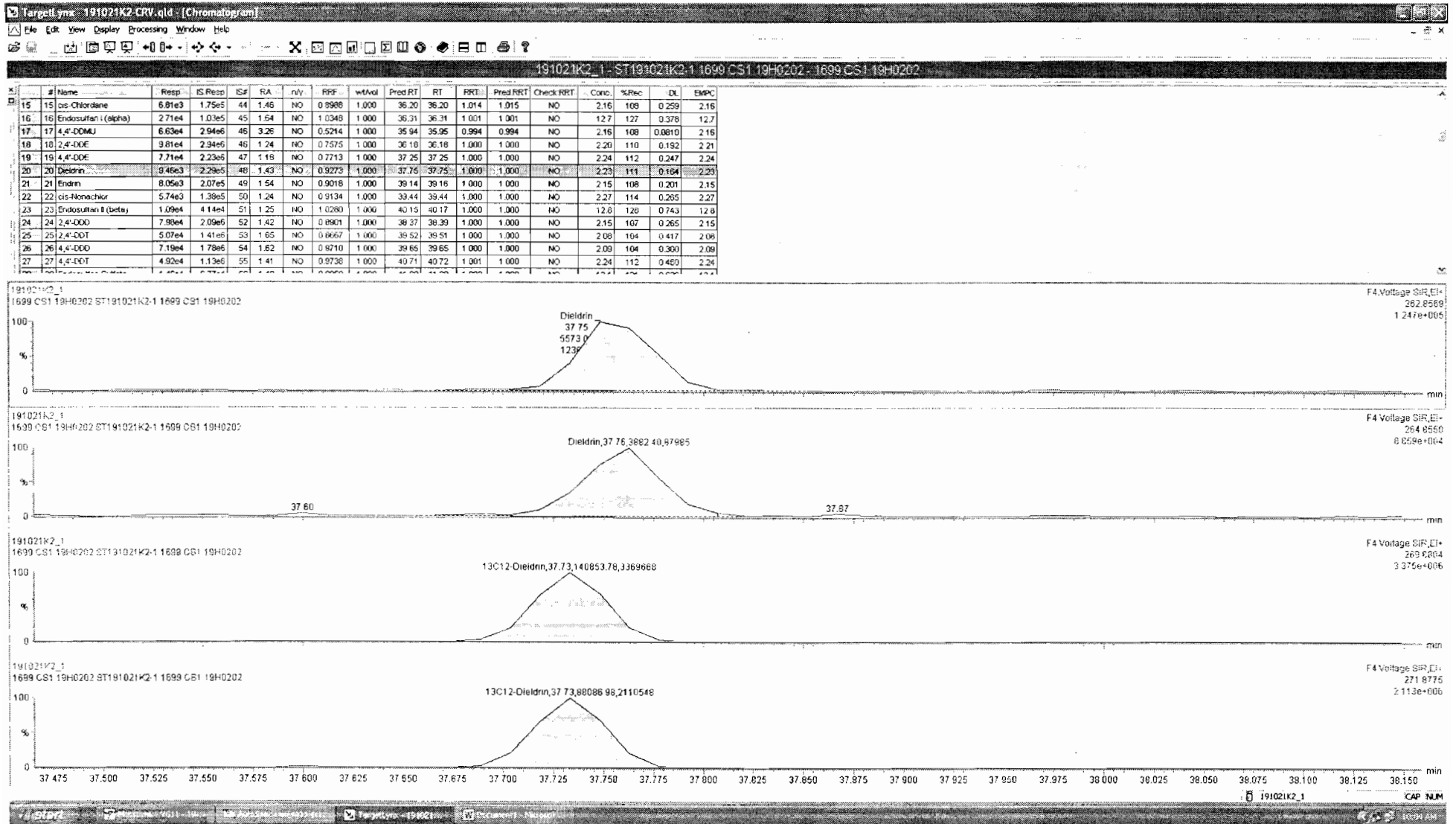
F4:Voltage SIR,EI+
269.8804
3.375e+006

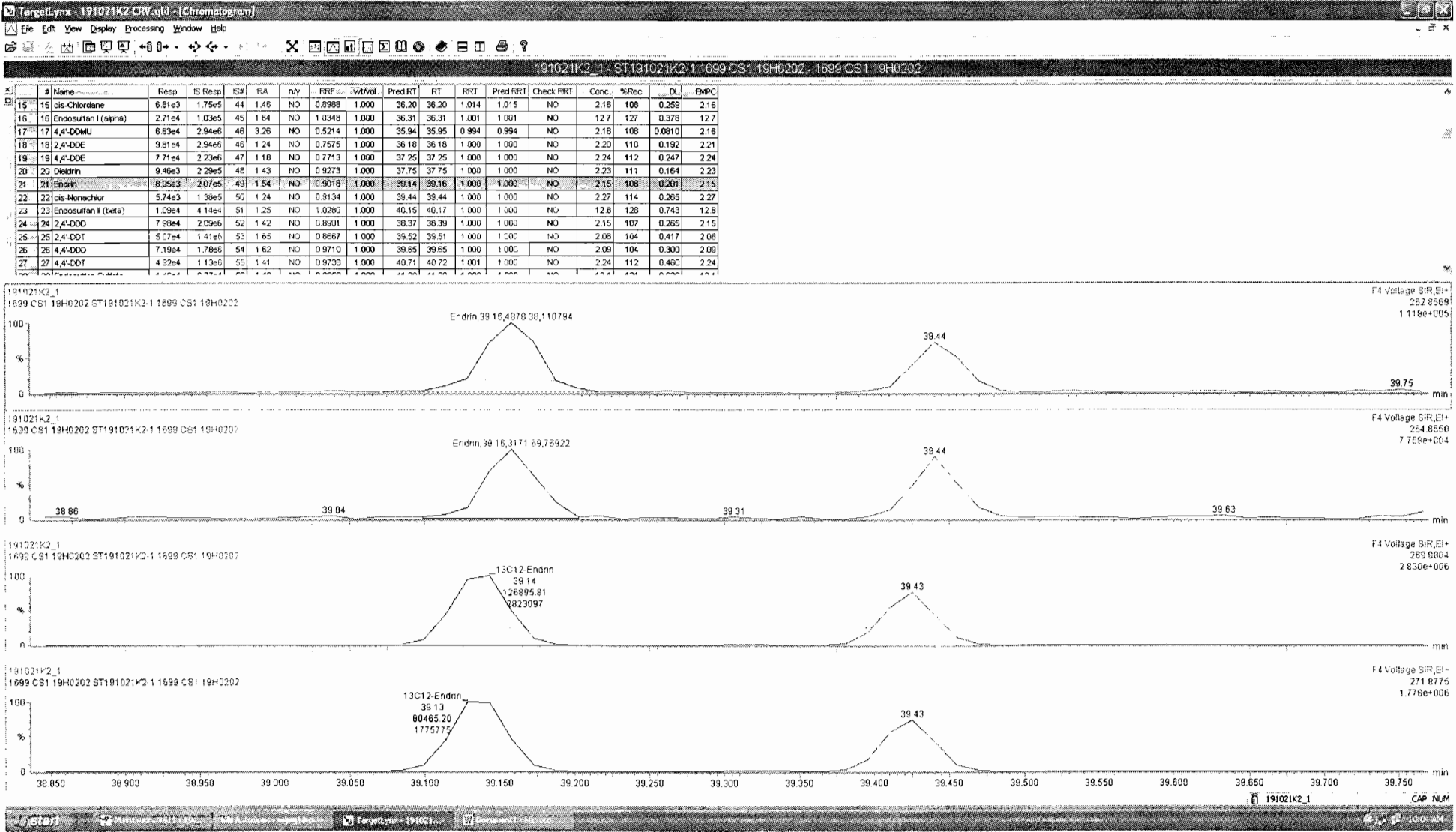


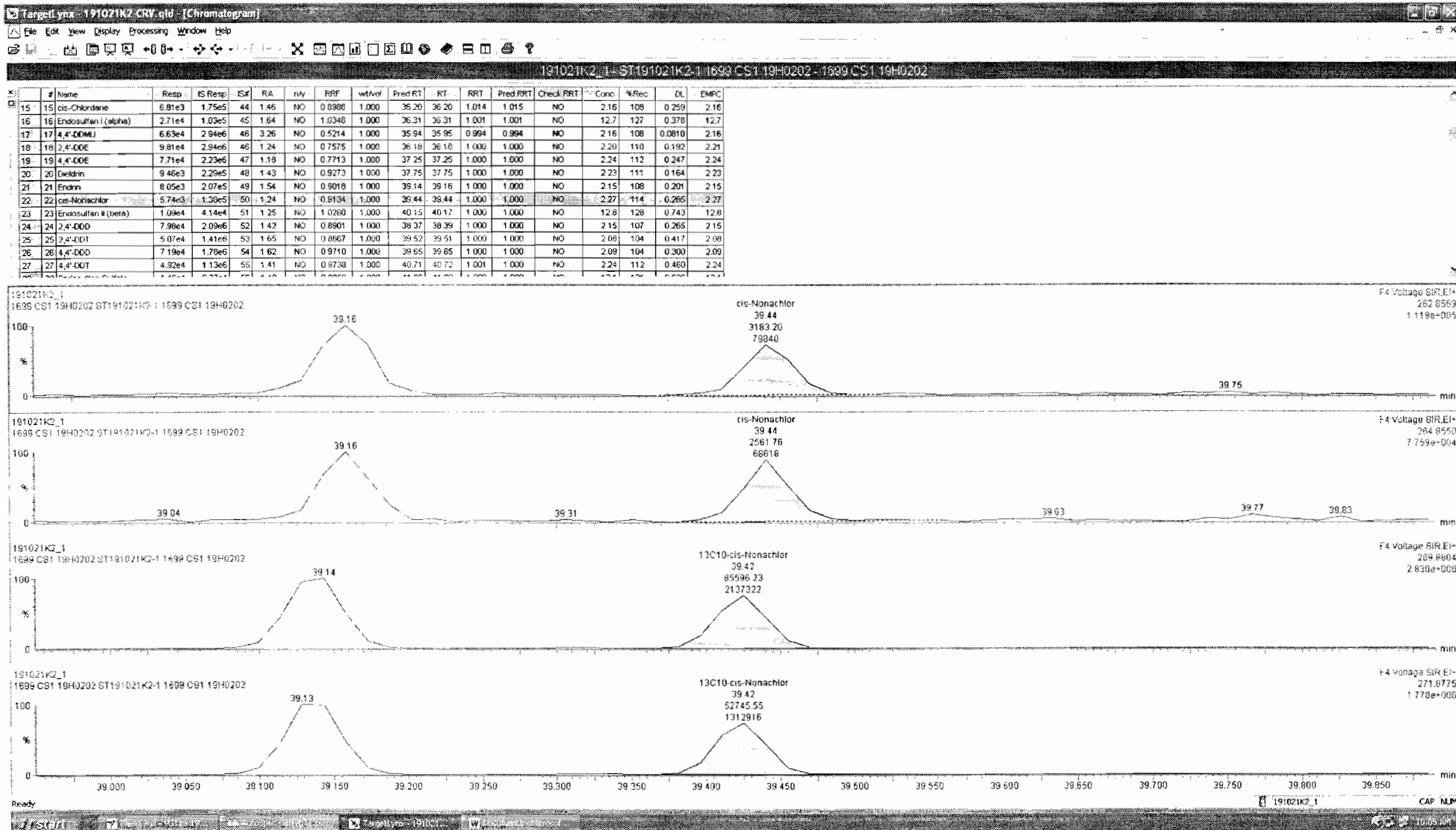
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

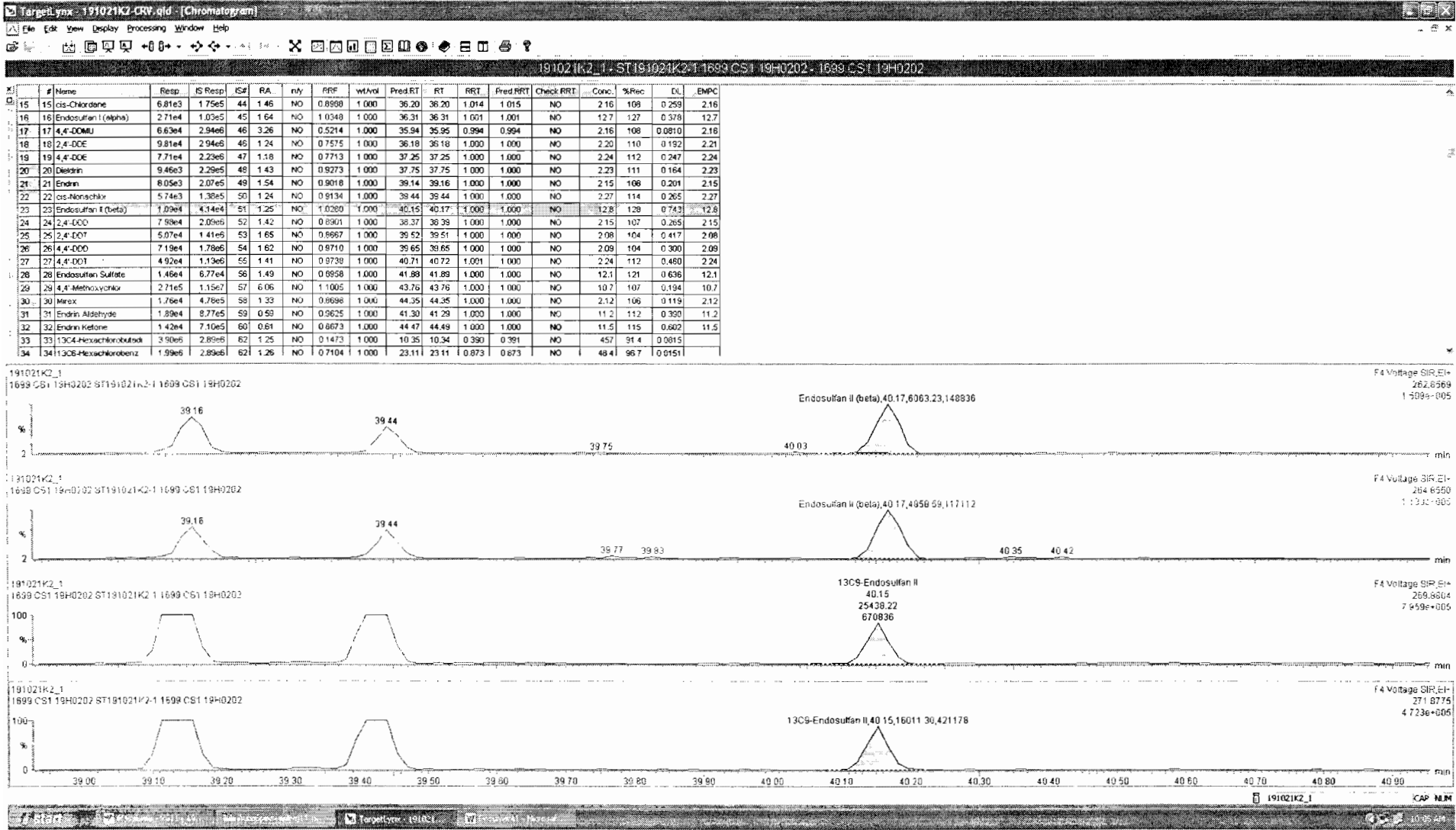
F4:Voltage SIR,EI+
271.8775
2.113e+006









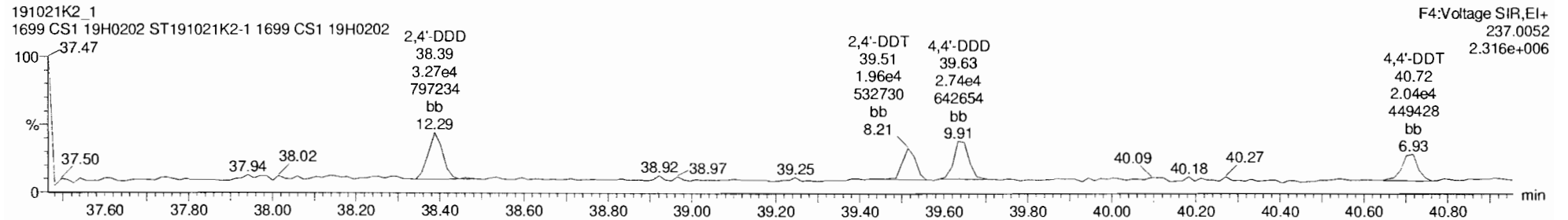
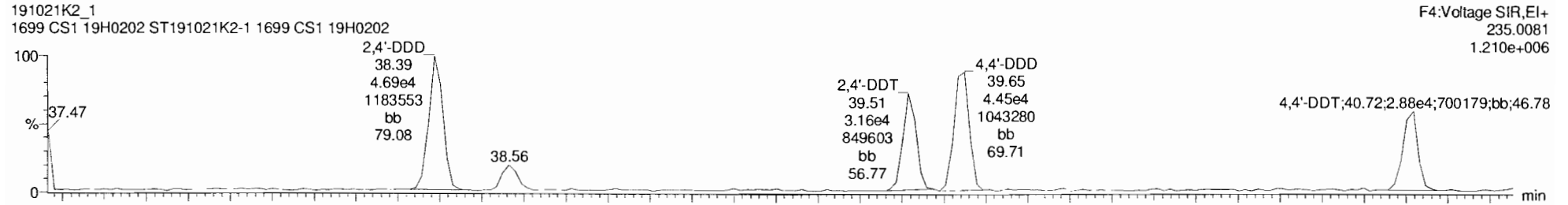


Dataset: Untitled

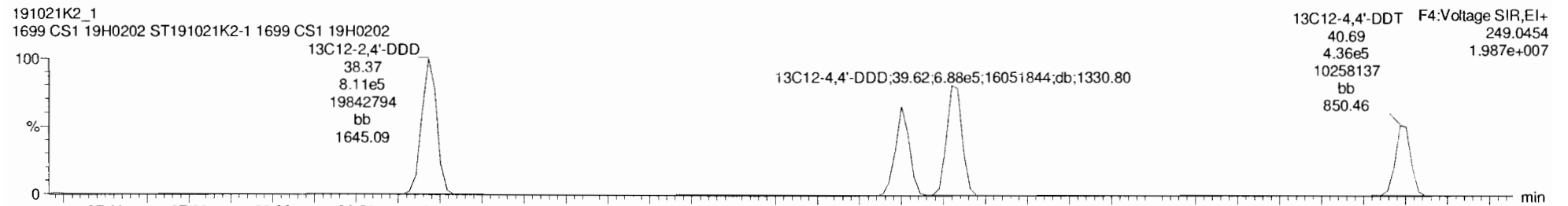
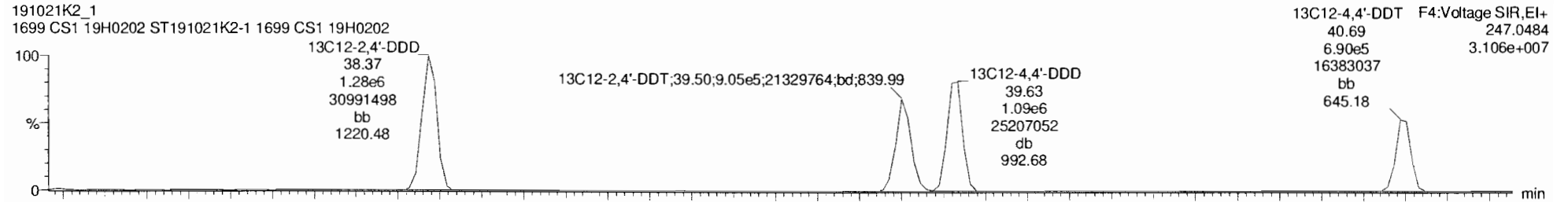
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

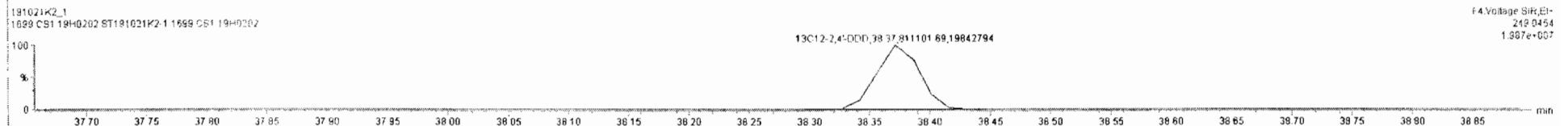
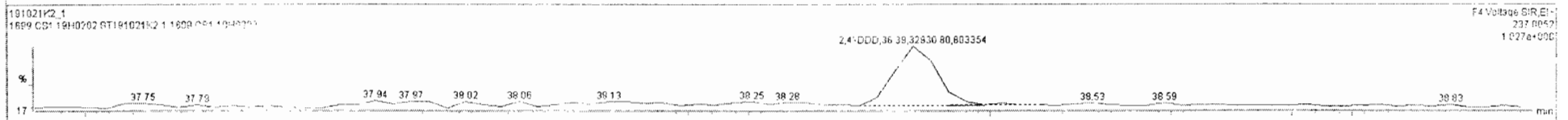
DDD-DDT

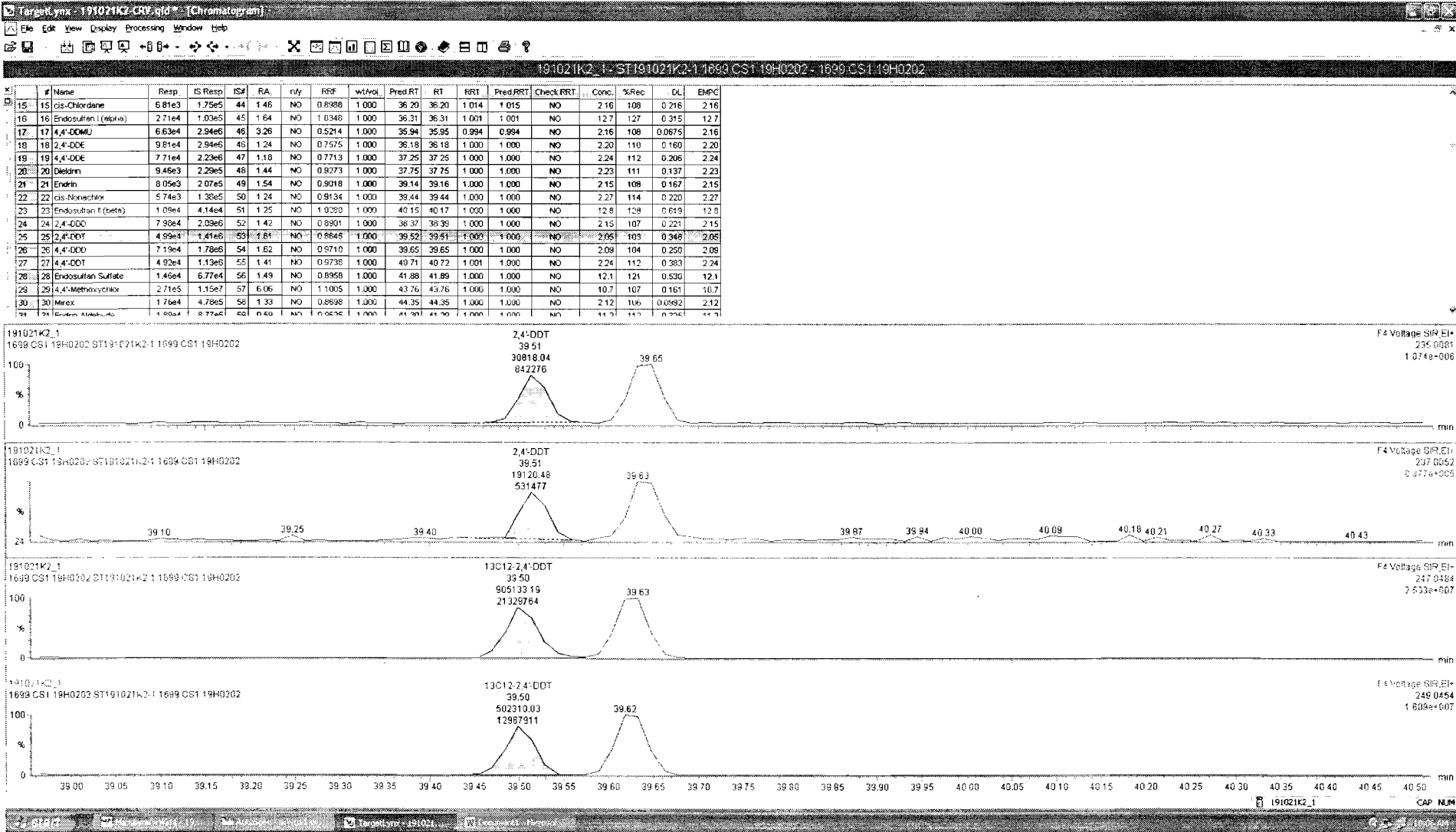


DDD-DDT-isotopes



| # | Name | Resp | IS Resp | IS# | RA | n/y | RRF | WtAveI | Pred RT | RT | RRT | Pred RRT | Check RRT | Conc | %Rec | DL | EMPC |
|----|-------------------------|--------|---------|-----|------|-----|--------|--------|---------|-------|-------|----------|-----------|------|------|--------|------|
| 15 | 15 cis-Chlordane | 6.81e3 | 1.75e5 | 44 | 1.45 | NO | 0.8998 | 1.000 | 36.20 | 36.20 | 1.014 | 1.015 | NO | 2.16 | 108 | 0.259 | 2.16 |
| 16 | 16 Endosulfan I (alpha) | 2.71e4 | 1.03e5 | 45 | 1.64 | NO | 1.0348 | 1.000 | 36.31 | 36.31 | 1.001 | 1.001 | NO | 12.7 | 127 | 0.378 | 12.7 |
| 17 | 17 4,4'-DDMU | 8.63e4 | 2.94e6 | 46 | 3.26 | NO | 0.5214 | 1.000 | 35.94 | 35.95 | 0.994 | 0.994 | NO | 2.16 | 108 | 0.0810 | 2.16 |
| 18 | 18 2,4'-DCE | 9.81e4 | 2.94e6 | 46 | 1.24 | NO | 0.7575 | 1.000 | 36.18 | 36.18 | 1.000 | 1.000 | NO | 2.20 | 110 | 0.192 | 2.21 |
| 19 | 19 4,4'-DOE | 7.71e4 | 2.23e6 | 47 | 1.18 | NO | 0.7713 | 1.000 | 37.25 | 37.25 | 1.000 | 1.000 | NO | 2.24 | 112 | 0.247 | 2.24 |
| 20 | 20 Dieldrin | 9.46e3 | 2.29e5 | 48 | 1.43 | NO | 0.9273 | 1.000 | 37.75 | 37.75 | 1.000 | 1.000 | NO | 2.23 | 111 | 0.164 | 2.23 |
| 21 | 21 Endrin | 8.05e3 | 2.07e5 | 49 | 1.54 | NO | 0.9018 | 1.000 | 39.14 | 39.16 | 1.000 | 1.000 | NO | 2.15 | 108 | 0.201 | 2.15 |
| 22 | 22 cis-Nonachlor | 5.74e3 | 1.39e5 | 50 | 1.24 | NO | 0.9134 | 1.000 | 39.44 | 39.44 | 1.000 | 1.000 | NO | 2.27 | 114 | 0.265 | 2.27 |
| 23 | 23 Endosulfan II (beta) | 1.09e4 | 4.14e4 | 51 | 1.25 | NO | 1.0280 | 1.000 | 40.15 | 40.17 | 1.000 | 1.000 | NO | 12.8 | 128 | 0.743 | 12.8 |
| 24 | 24 2,4'-DDD | 7.98e4 | 2.09e6 | 52 | 1.42 | NO | 0.8901 | 1.000 | 38.37 | 38.39 | 1.000 | 1.000 | NO | 2.16 | 107 | 0.265 | 2.15 |
| 25 | 25 2,4'-DDT | 5.07e4 | 1.41e5 | 53 | 1.65 | NO | 0.8667 | 1.000 | 39.52 | 39.51 | 1.000 | 1.000 | NO | 2.08 | 104 | 0.417 | 2.08 |
| 26 | 26 4,4'-DDD | 7.19e4 | 1.78e5 | 54 | 1.62 | NO | 0.9710 | 1.000 | 39.65 | 39.65 | 1.000 | 1.000 | NO | 2.09 | 104 | 0.300 | 2.09 |
| 27 | 27 4,4'-DDT | 4.52e4 | 1.13e5 | 55 | 1.41 | NO | 0.9738 | 1.000 | 40.71 | 40.72 | 1.001 | 1.000 | NO | 2.24 | 112 | 0.460 | 2.24 |
| 28 | 28 Endosulfan Sulfate | 1.46e4 | 6.77e4 | 56 | 1.49 | NO | 0.8958 | 1.000 | 41.88 | 41.89 | 1.000 | 1.000 | NO | 12.1 | 121 | 0.636 | 12.1 |
| 29 | 29 4,4'-Methoxychlor | 2.71e5 | 1.15e7 | 57 | 6.06 | NO | 1.1005 | 1.000 | 43.76 | 43.76 | 1.000 | 1.000 | NO | 10.7 | 107 | 0.194 | 10.7 |
| 30 | 30 Mirex | 1.76e4 | 4.78e5 | 58 | 1.33 | NO | 0.8698 | 1.000 | 44.35 | 44.35 | 1.000 | 1.000 | NO | 2.12 | 106 | 0.119 | 2.12 |
| 31 | 31 Endrin Aldehyde | 1.95e4 | 6.77e5 | 59 | 0.60 | NO | 0.6874 | 1.000 | 41.36 | 41.36 | 1.000 | 1.000 | NO | 11.5 | 115 | 0.300 | 11.5 |





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

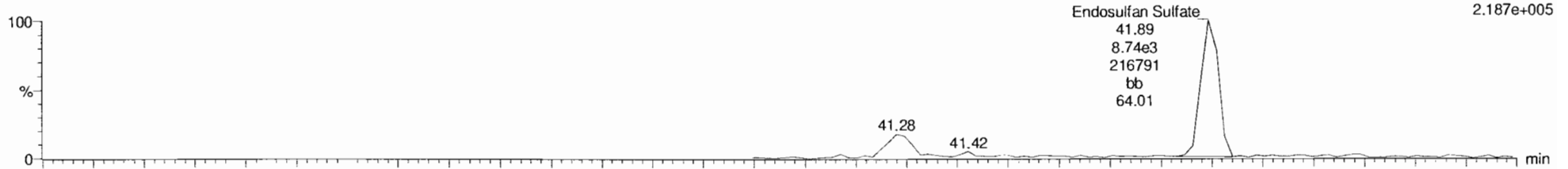
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Endosulfan Sulfate

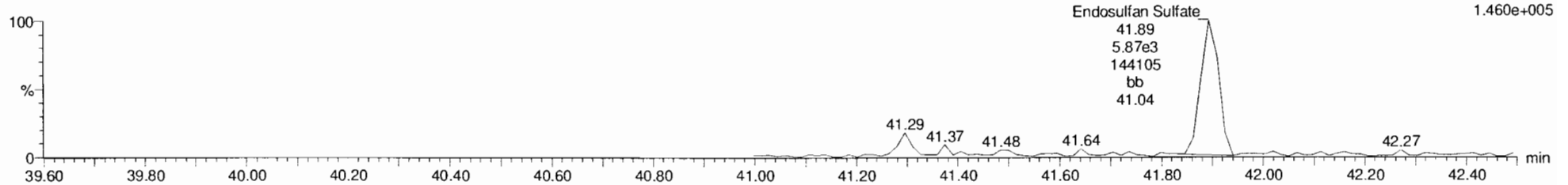
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
262.8569
2.187e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

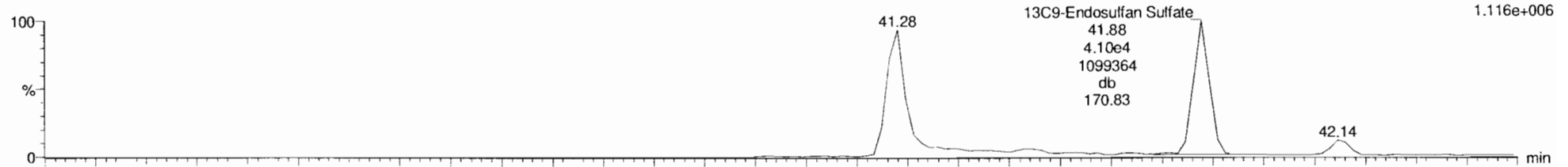
F5:Voltage SIR,EI+
264.8540
1.460e+005



¹³C9-Endosulfan Sulfate

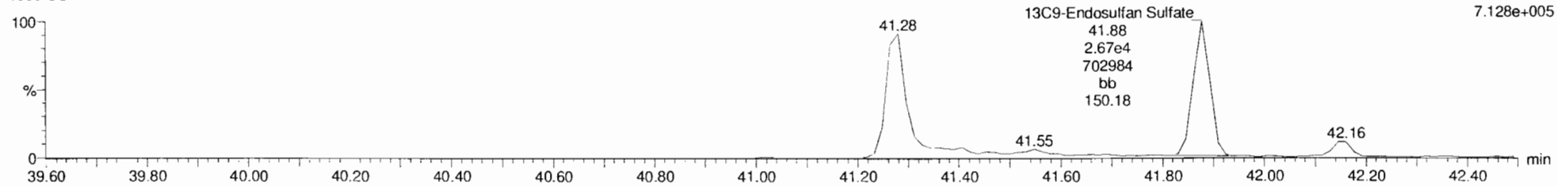
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
269.8804
1.116e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
271.8775
7.128e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

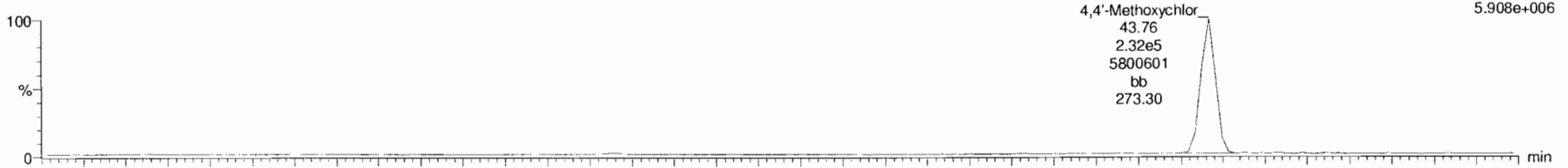
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

4,4'-Methoxychlor

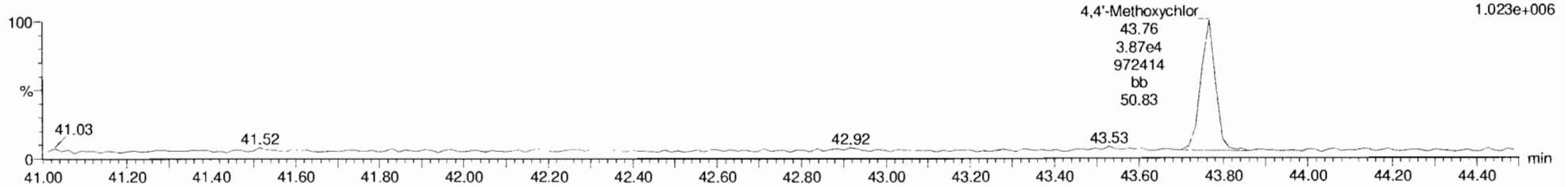
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,El+
227.1072
5.908e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

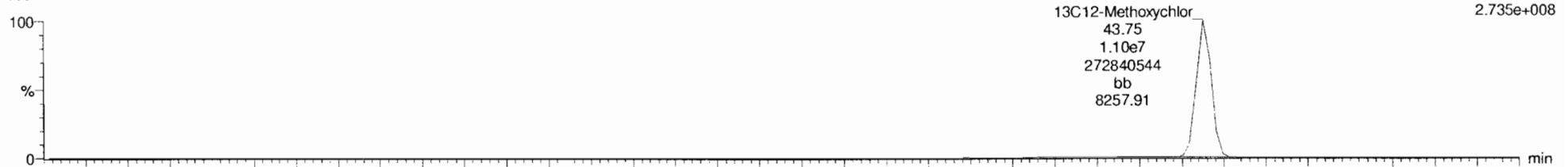
F5:Voltage SIR,El+
228.1106
1.023e+006



13C12-Methoxychlor

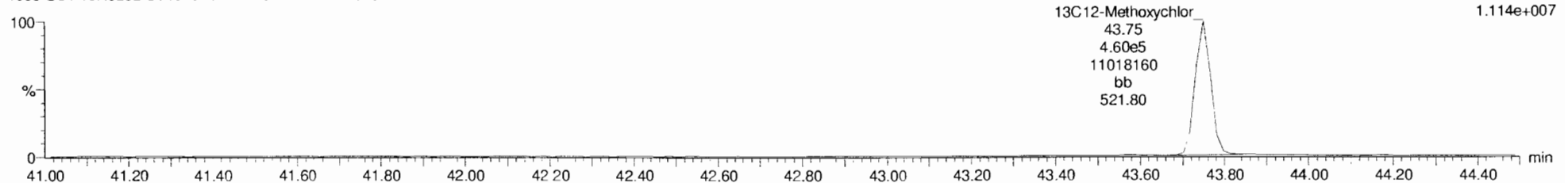
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

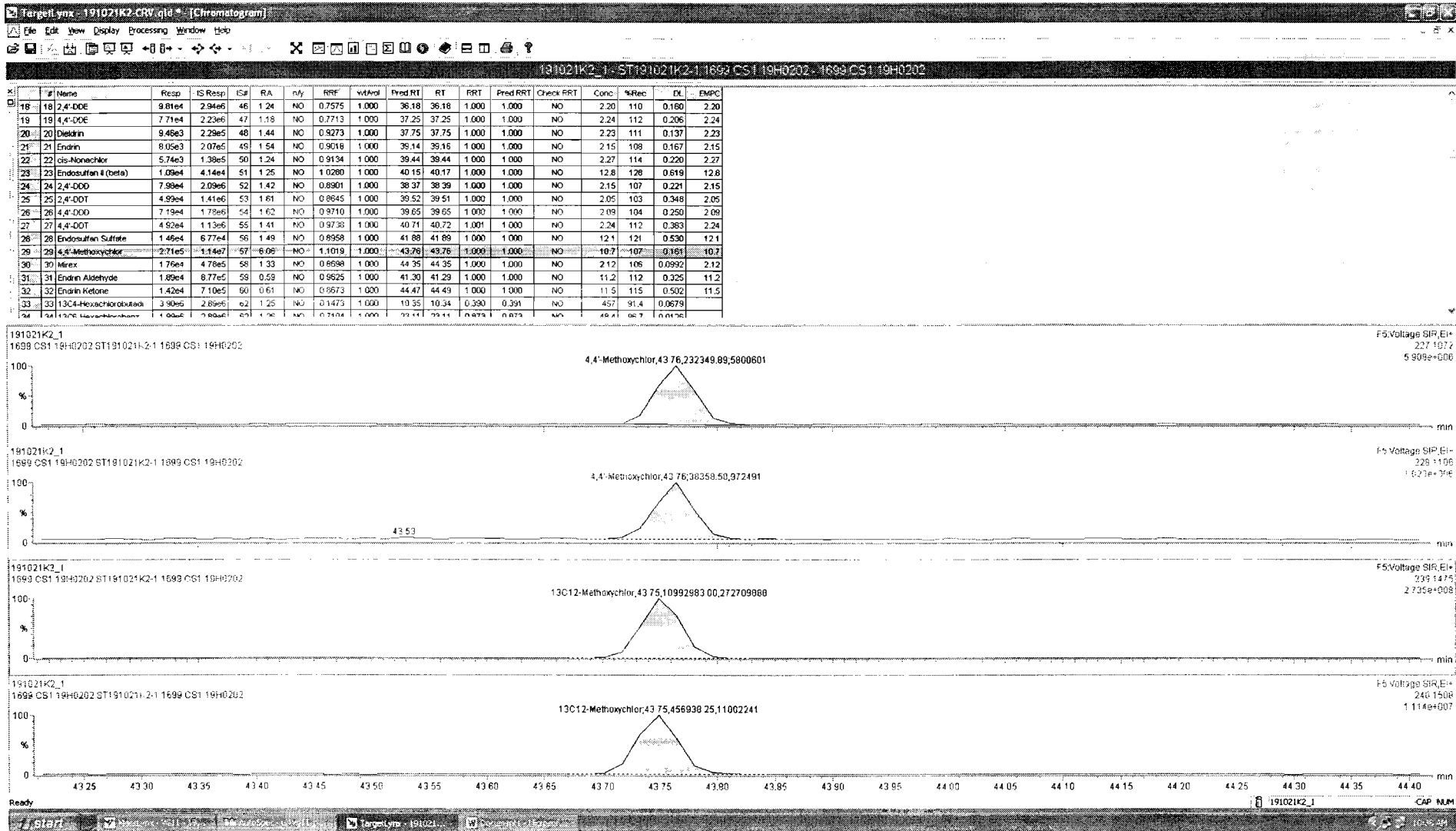
F5:Voltage SIR,El+
239.1475
2.735e+008



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,El+
240.1508
1.114e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

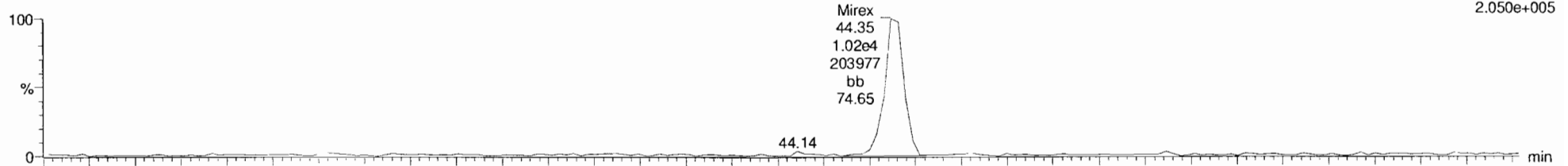
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Mirex

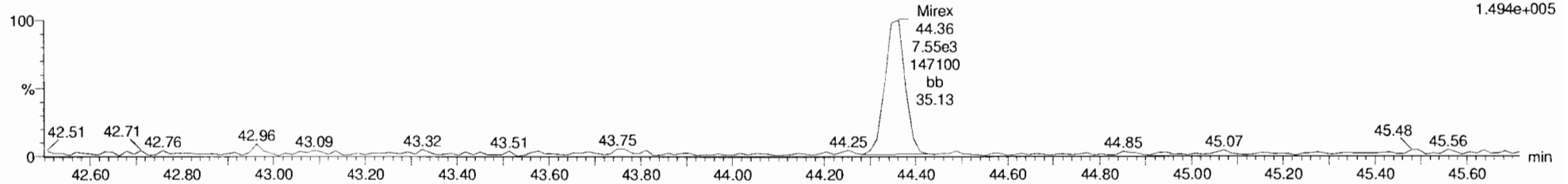
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
236.8413
2.050e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

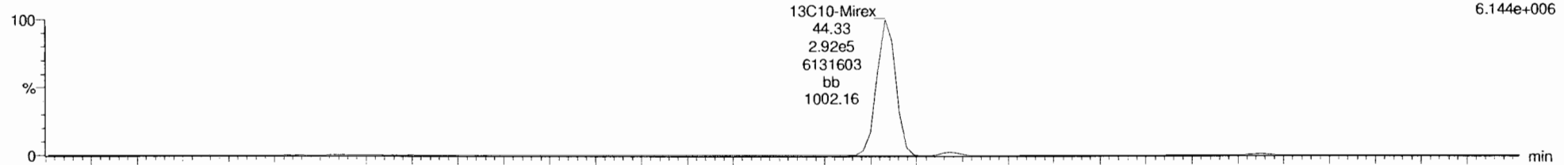
F5:Voltage SIR,EI+
238.8384
1.494e+005



13C10-Mirex

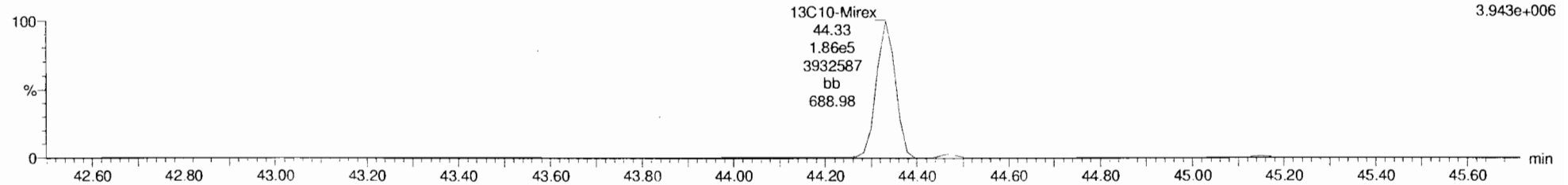
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

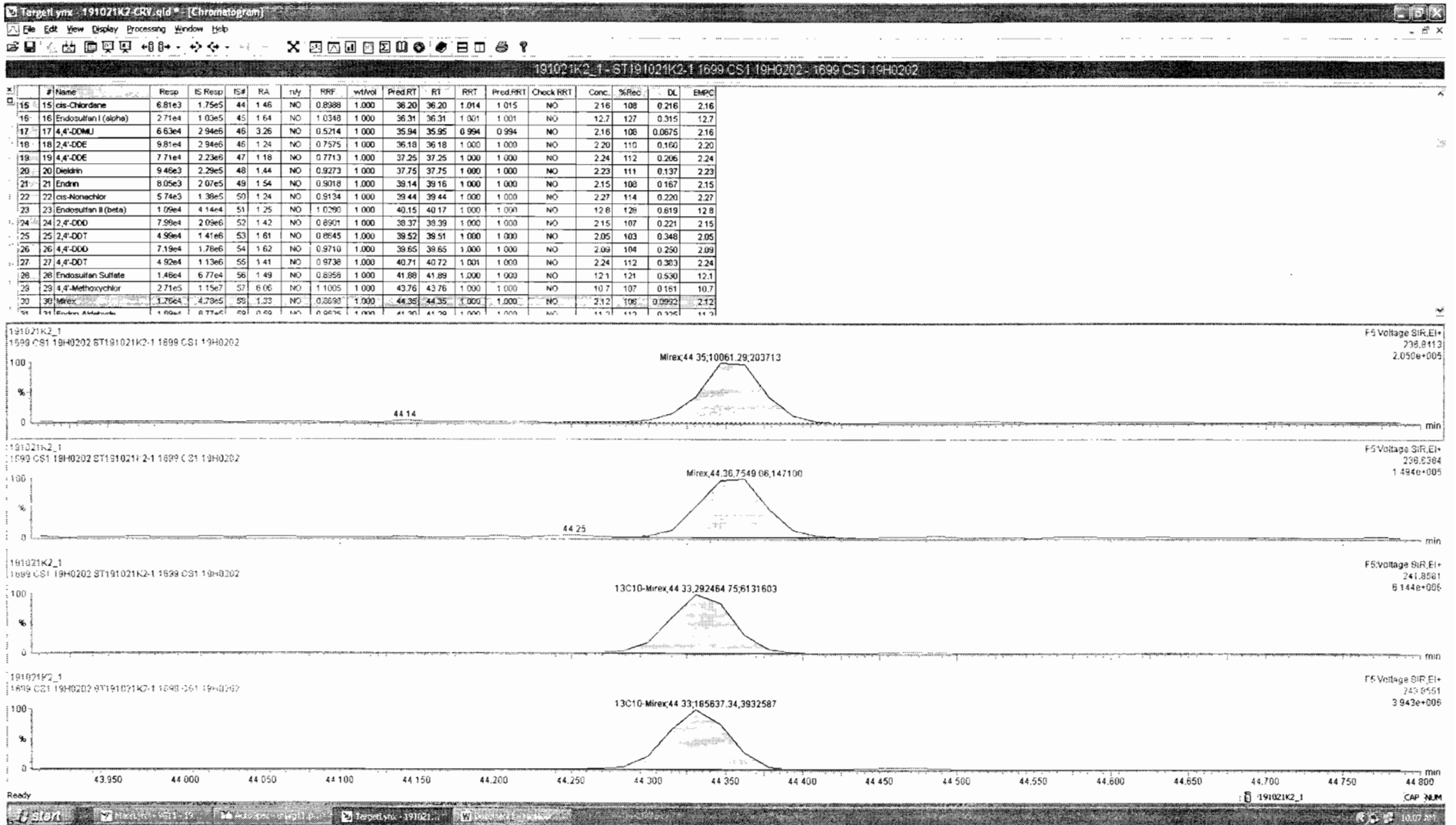
F5:Voltage SIR,EI+
241.8581
6.144e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
243.8551
3.943e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

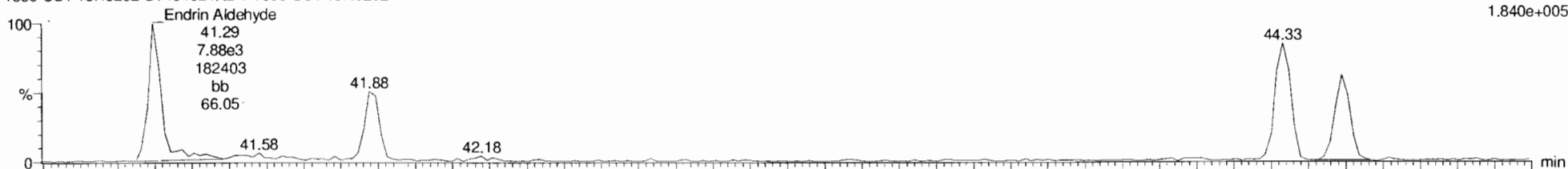
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

EA-EK

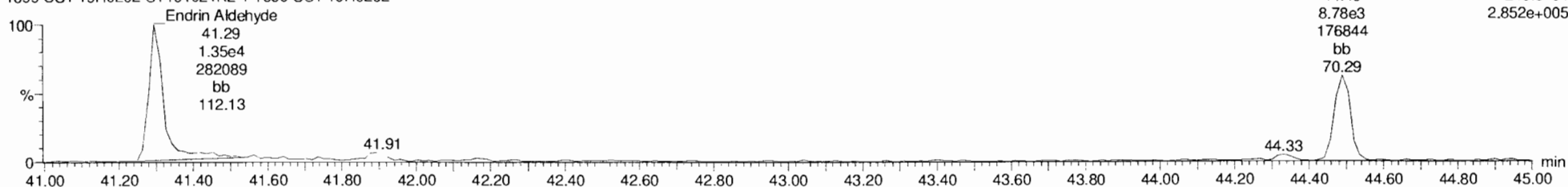
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
247.8521
1.840e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

Endrin Ketone
44.49
8.78e3
176844
bb
70.29
F5:Voltage SIR,EI+
249.8491
2.852e+005



EA-EK-isotopes

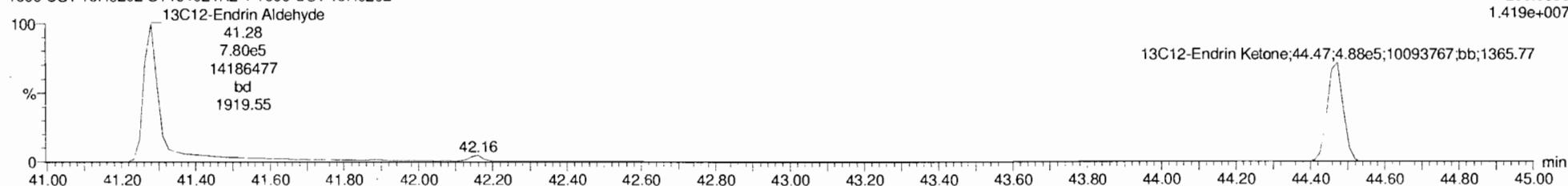
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

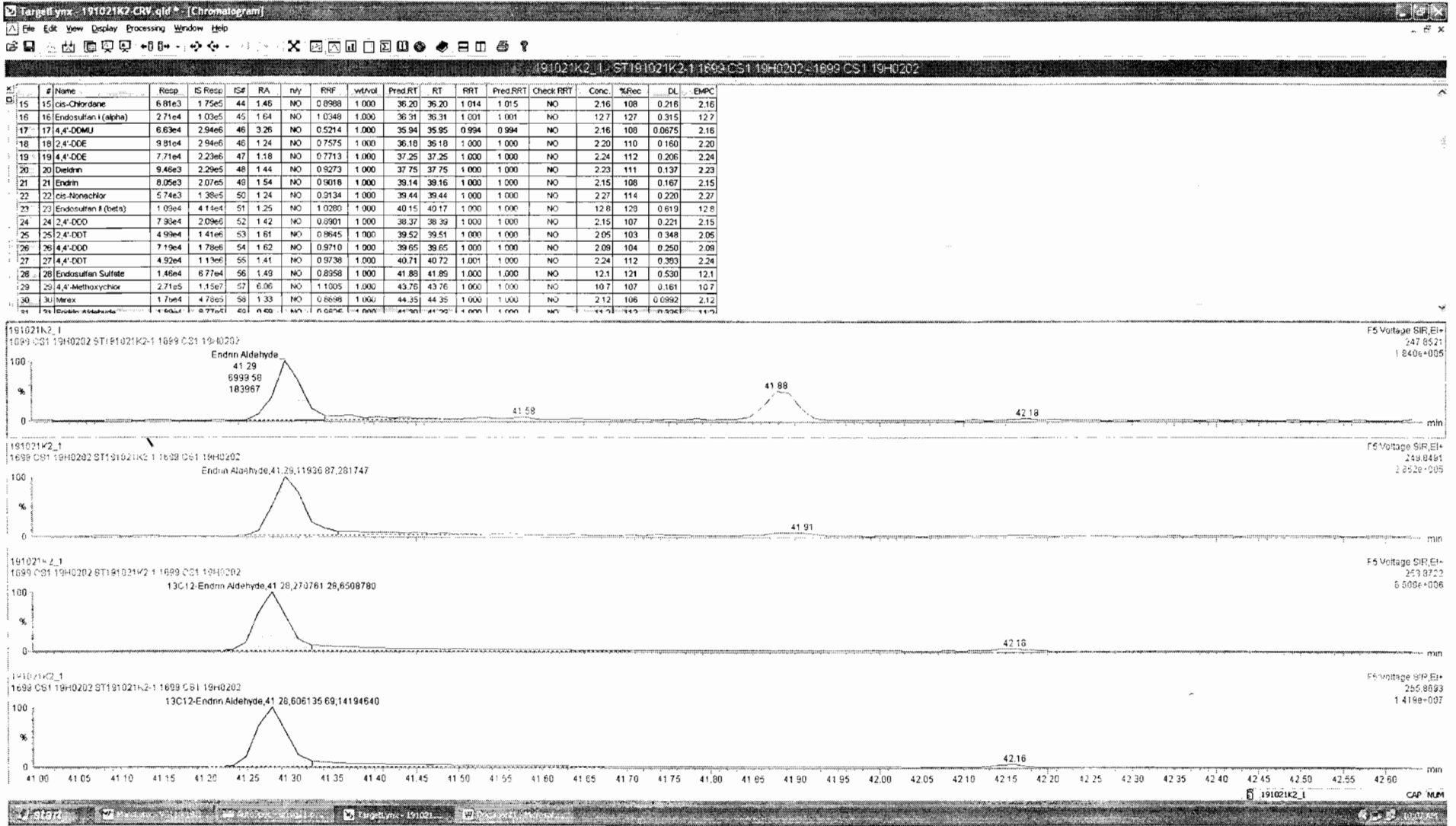
F5:Voltage SIR,EI+
253.8722
6.509e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
255.8693
1.419e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

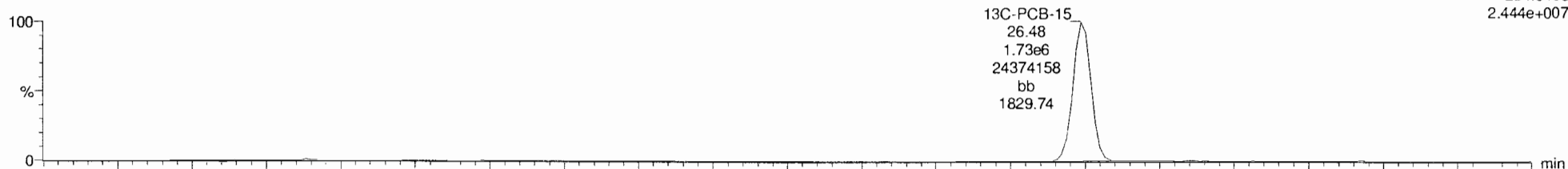
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

13C-PCB-15

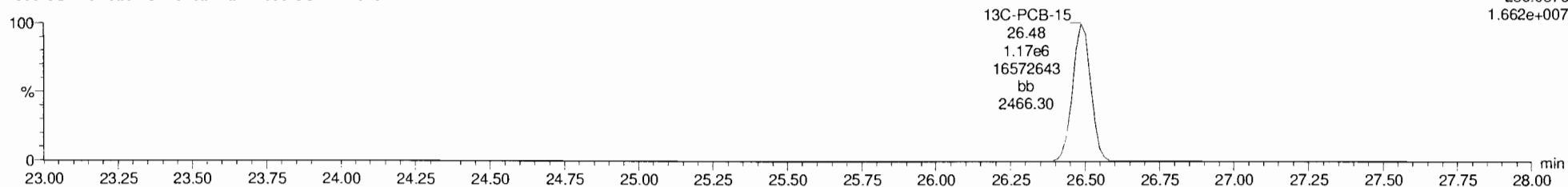
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
234.0406
2.444e+007



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

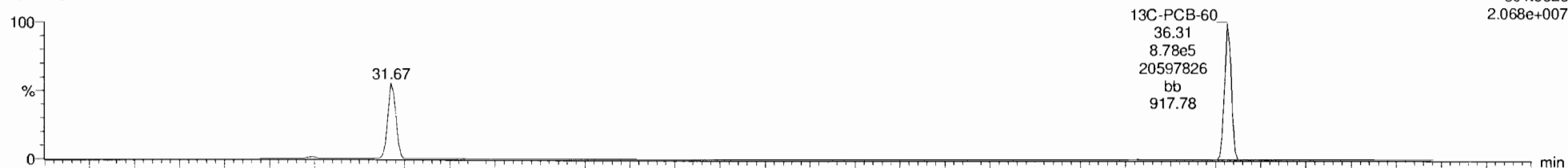
F2:Voltage SIR,EI+
236.0376
1.662e+007



13C-PCB-60

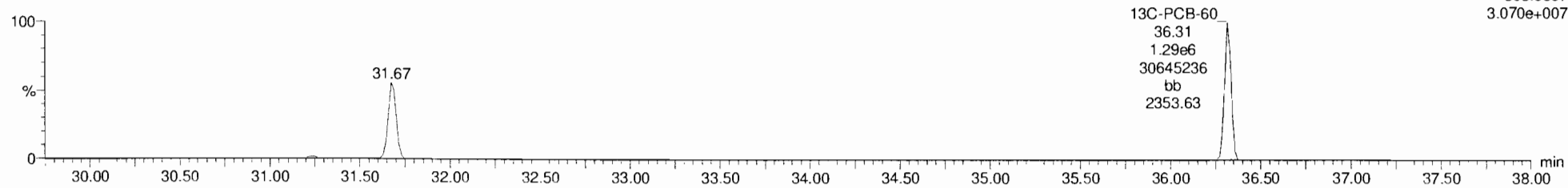
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
301.9626
2.068e+007



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
303.9597
3.070e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

13C-PCB-123

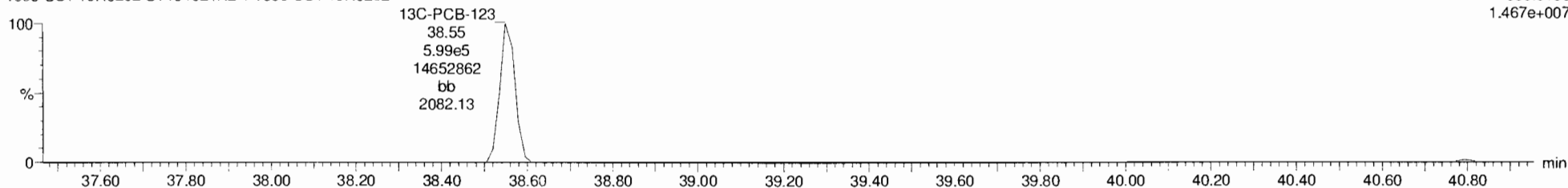
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
337.9210
1.782e+007



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

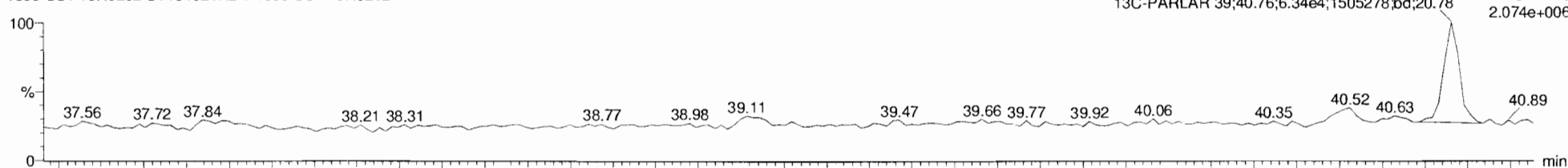
F4:Voltage SIR,EI+
339.9180
1.467e+007



13C-PARLAR 39

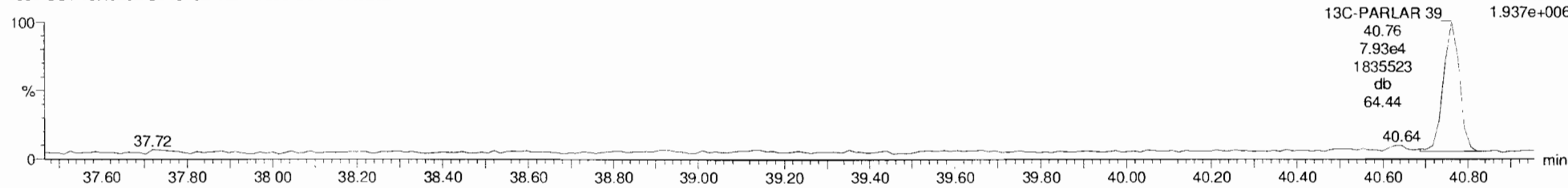
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
251.9648
2.074e+006
13C-PARLAR 39;40.76;6.34e4;1505278;bd;20.78



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
253.9619
1.937e+006



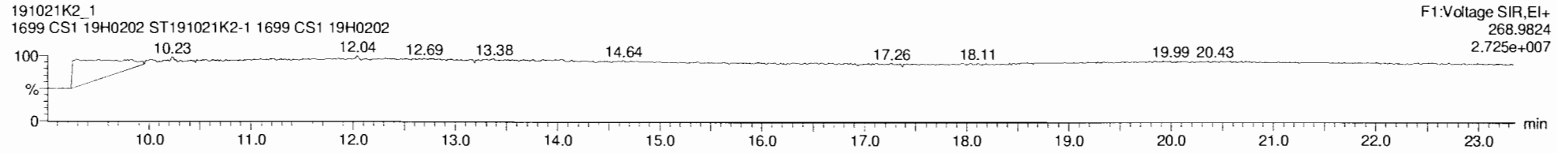
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

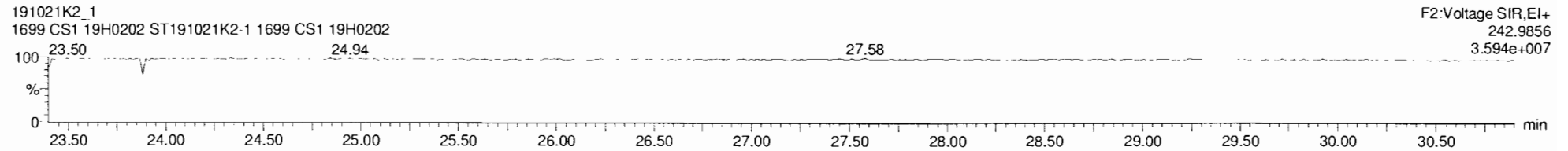
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

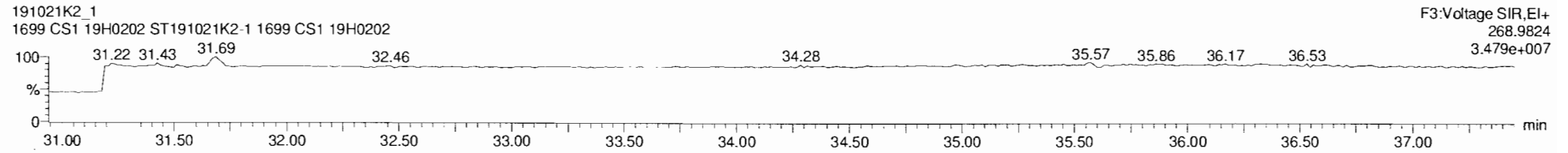
PFK1



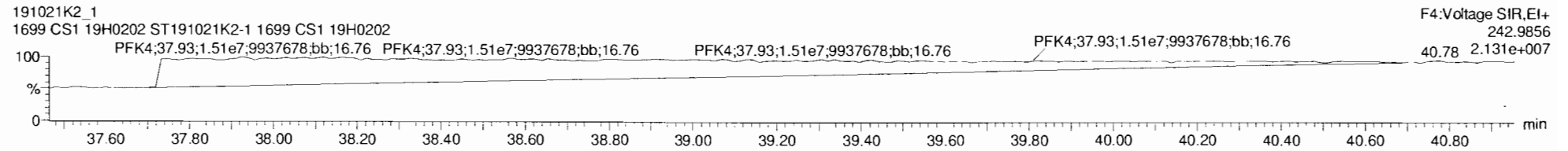
PFK2



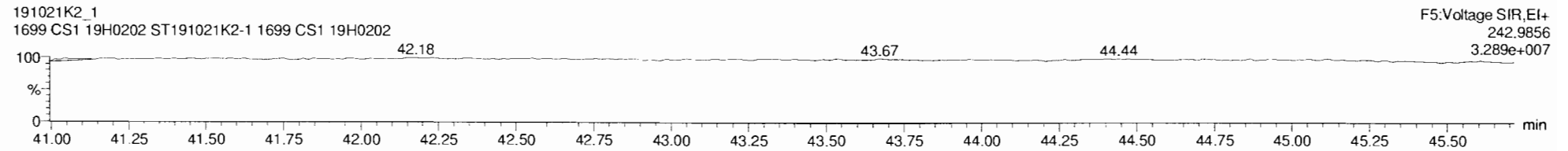
PFK3



PFK4



PFK5



Dataset: Untitled

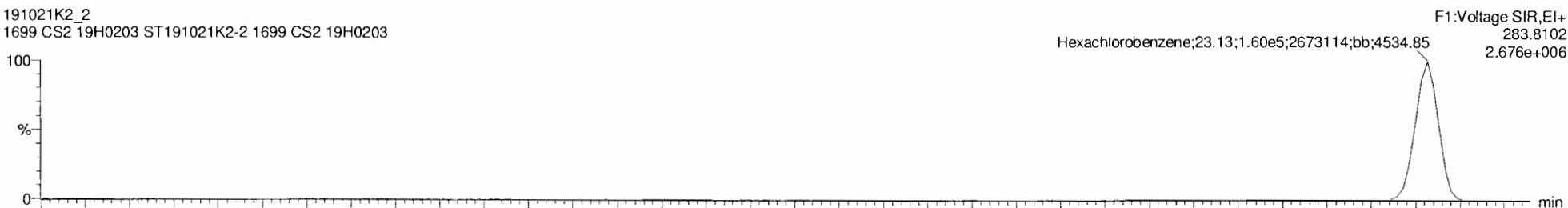
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

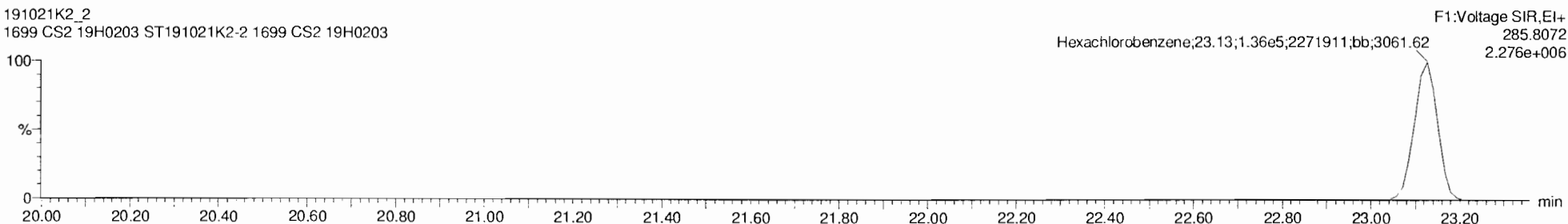
Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Hexachlorobenzene

191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

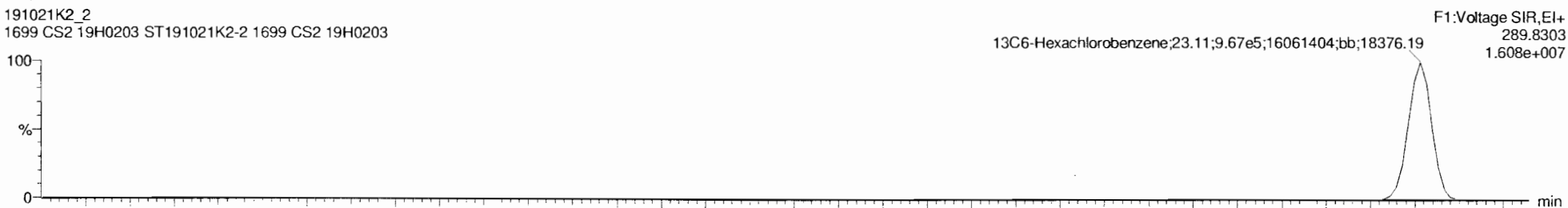


191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

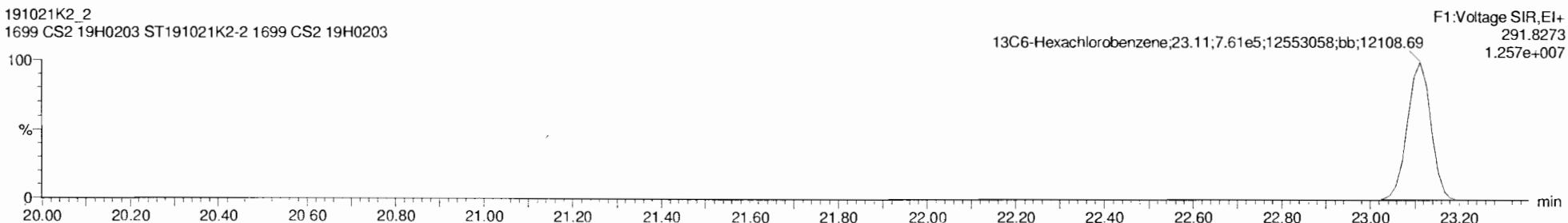


13C6-Hexachlorobenzene

191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

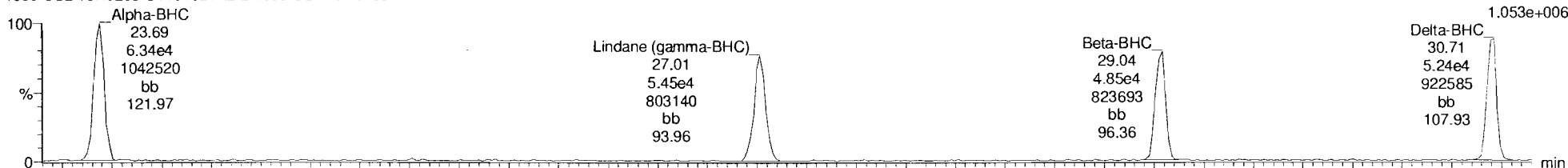
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

BHC Totals

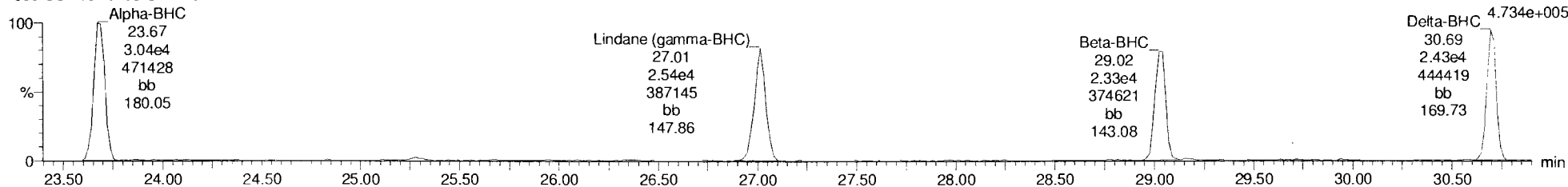
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
218.9116
1.053e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

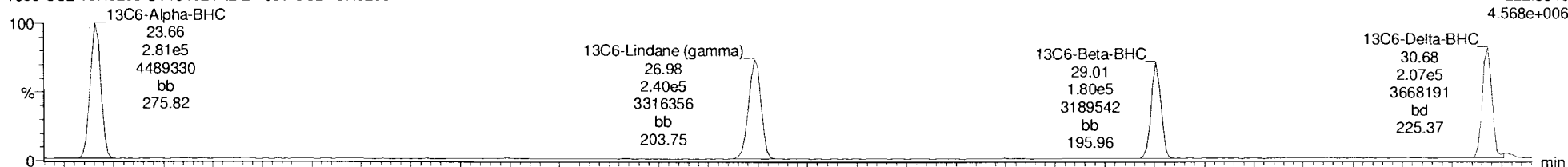
F2:Voltage SIR,EI+
220.9086
4.734e+005



BHC-isotopes

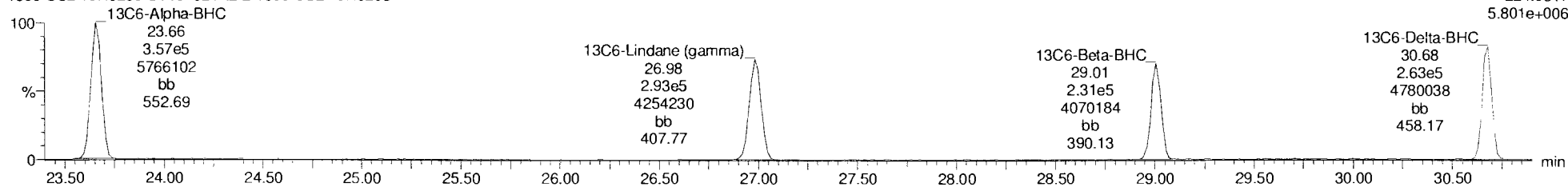
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
222.9346
4.568e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
224.9317
5.801e+006



Dataset: Untitled

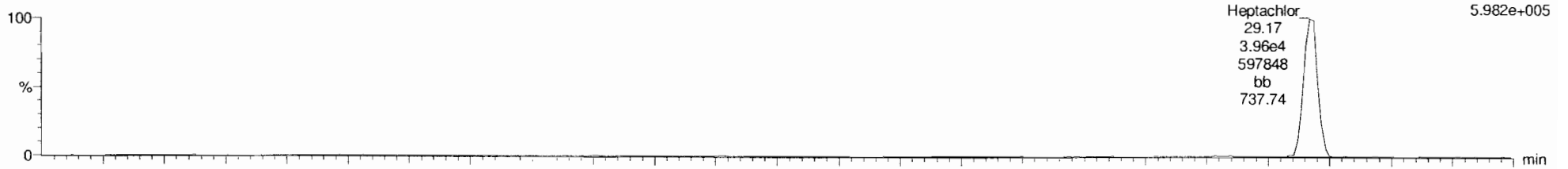
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Heptachlor

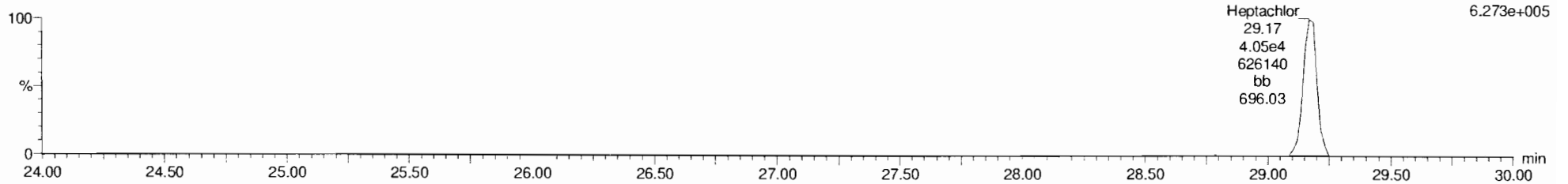
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
271.8102
5.982e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

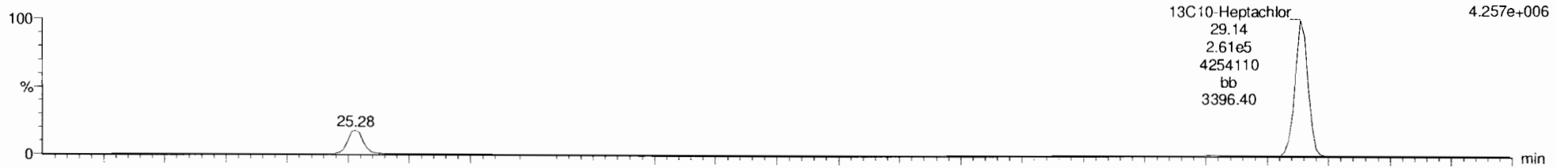
F2:Voltage SIR,EI+
273.8072
6.273e+005



13C10-Heptachlor

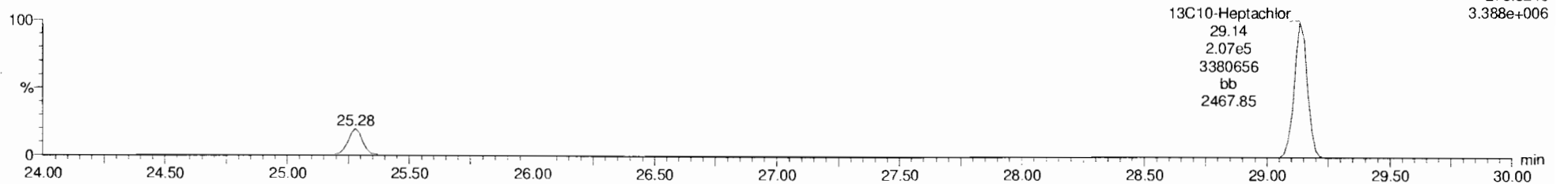
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
276.8269
4.257e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
278.8240
3.388e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

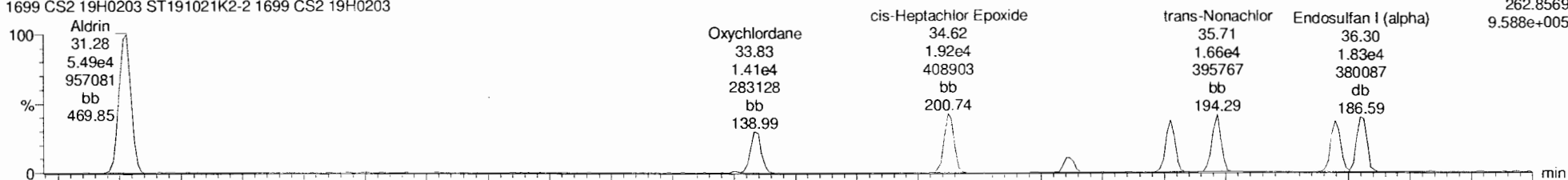
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Aldrin-EI

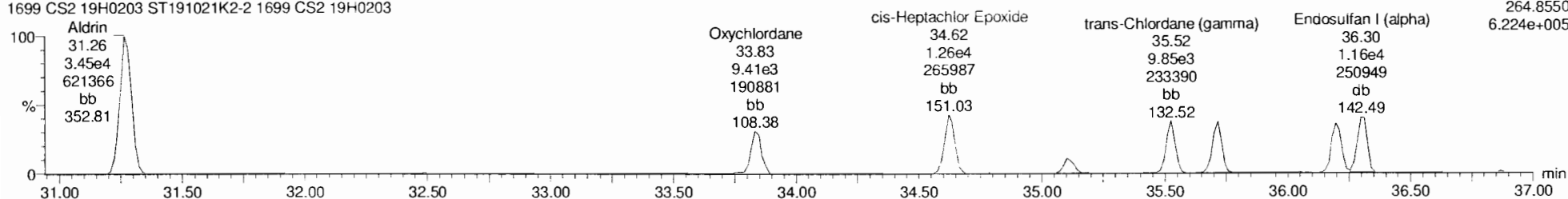
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
262.8569
9.588e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

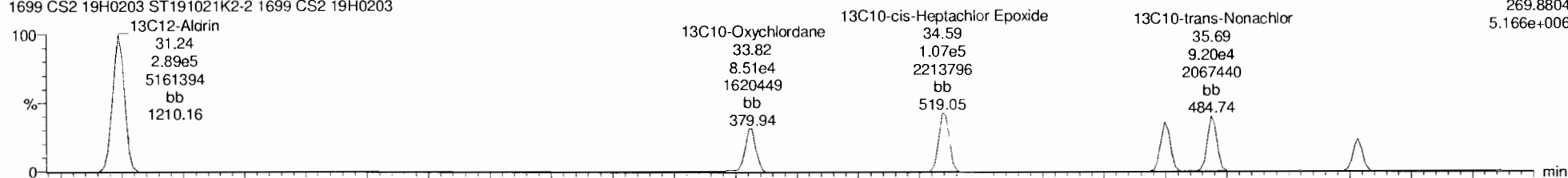
F3:Voltage SIR,EI+
264.8550
6.224e+005



Aldrin-EI-isotopes

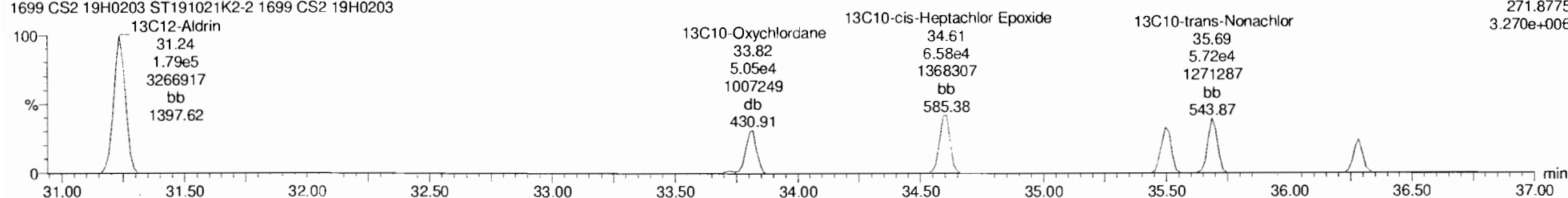
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
269.8804
5.166e+006

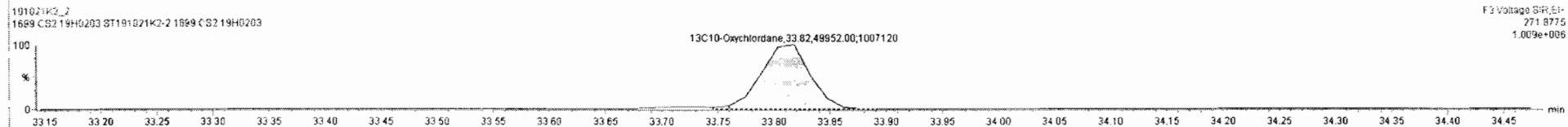
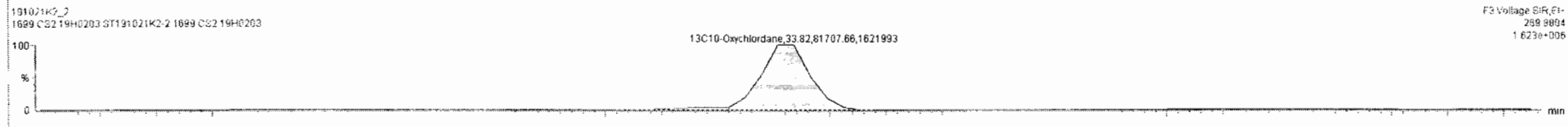
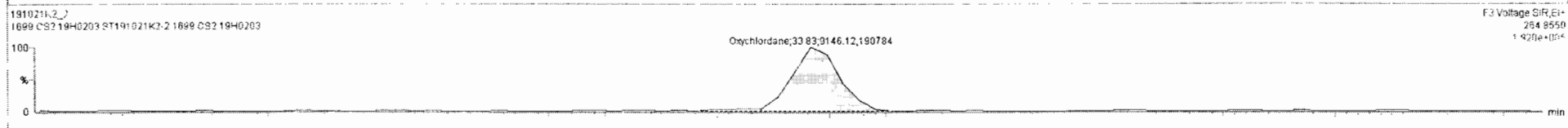
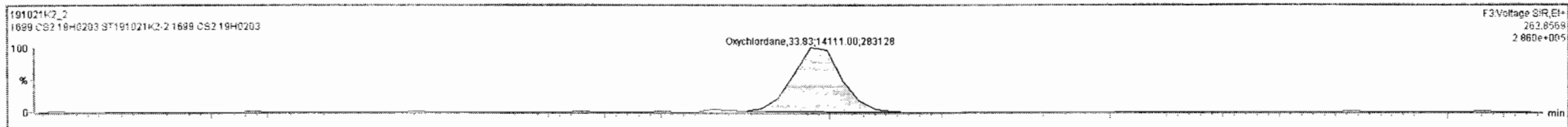


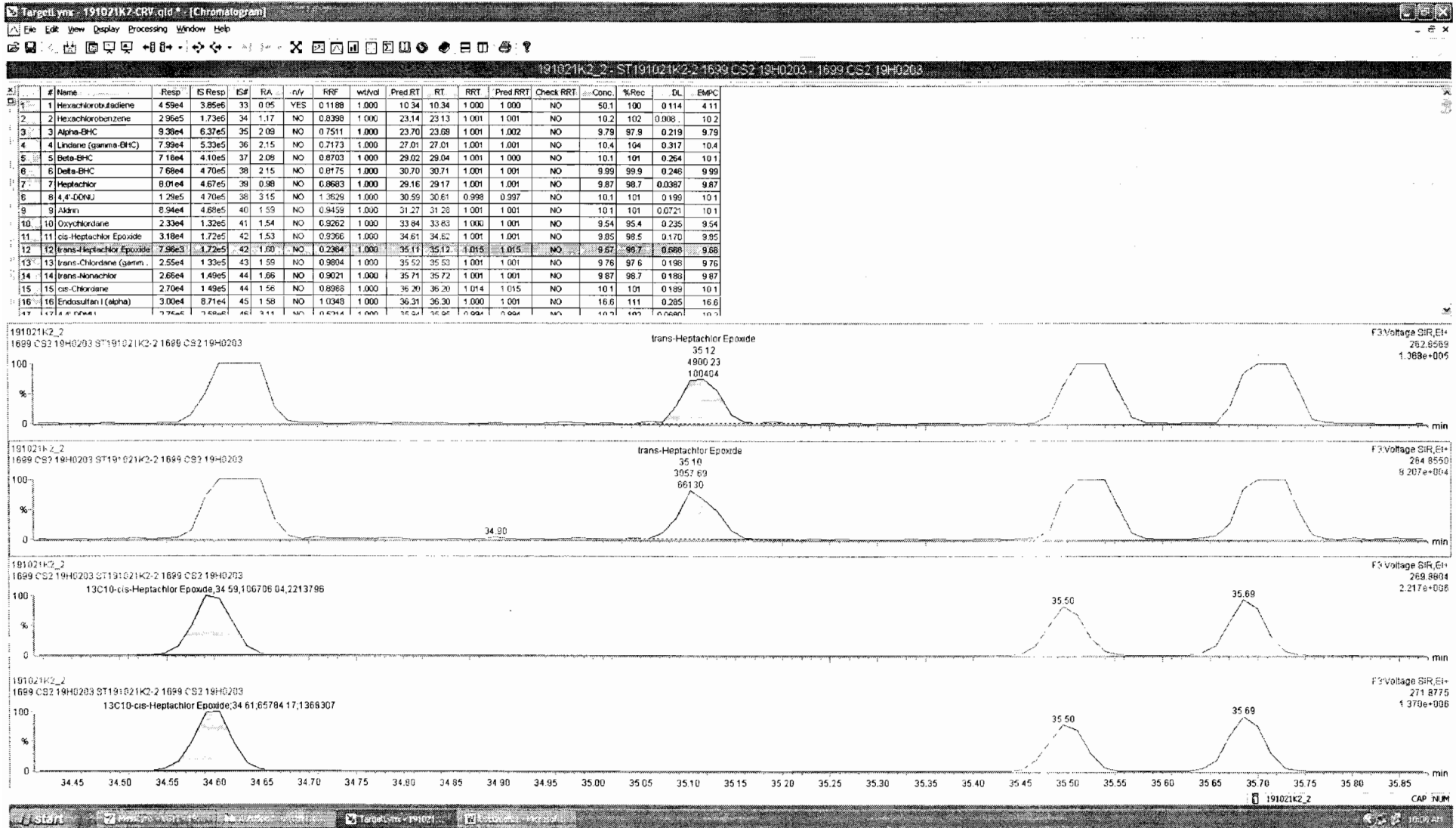
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
271.8775
3.270e+006



| # | Name | Resp | IS Resp | ISf | PA | n/y | RRF | wf/vol | Pred.RT | RT | RRT | Pred.RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|--------------------------|--------|---------|-----|------|-----|--------|--------|---------|-------|-------|----------|-----------|-------|------|--------|------|
| 1 | Hexachlorobutadiene | 4.59e4 | 3.85e6 | 33 | 0.05 | YES | 0.1188 | 1.000 | 10.34 | 10.34 | 1.000 | 1.000 | NO | 50.1 | 100 | 0.114 | 4.11 |
| 2 | Hexachlorobenzene | 2.96e5 | 1.73e6 | 34 | 1.17 | NO | 0.8398 | 1.000 | 23.14 | 23.13 | 1.001 | 1.001 | NO | 10.2 | 102 | 0.008 | 10.2 |
| 3 | Alpha-BHC | 9.38e4 | 6.37e5 | 35 | 2.09 | NO | 0.7511 | 1.000 | 23.70 | 23.69 | 1.001 | 1.002 | NO | 9.79 | 97.9 | 0.219 | 9.79 |
| 4 | Lindane (gamma-BHC) | 7.99e4 | 5.33e5 | 36 | 2.15 | NO | 0.7173 | 1.000 | 27.01 | 27.01 | 1.001 | 1.001 | NO | 10.4 | 104 | 0.317 | 10.4 |
| 5 | Beta-BHC | 7.18e4 | 4.10e5 | 37 | 2.08 | NO | 0.8703 | 1.000 | 29.02 | 29.04 | 1.001 | 1.000 | NO | 10.1 | 101 | 0.264 | 10.1 |
| 6 | Delta-BHC | 7.69e4 | 4.70e5 | 38 | 2.15 | NO | 0.8175 | 1.000 | 30.70 | 30.71 | 1.001 | 1.001 | NO | 9.99 | 99.9 | 0.246 | 9.99 |
| 7 | Heptachlor | 8.01e4 | 4.67e5 | 39 | 0.98 | NO | 0.8683 | 1.000 | 29.16 | 29.17 | 1.001 | 1.001 | NO | 9.87 | 98.7 | 0.0387 | 9.87 |
| 8 | 4,4'-DDE | 1.29e5 | 4.70e5 | 38 | 3.15 | NO | 1.3629 | 1.000 | 30.59 | 30.61 | 0.998 | 0.997 | NO | 10.1 | 101 | 0.196 | 10.1 |
| 9 | Aldrin | 8.94e4 | 4.68e5 | 40 | 1.59 | NO | 0.9459 | 1.000 | 31.27 | 31.28 | 1.001 | 1.001 | NO | 10.1 | 101 | 0.0721 | 10.1 |
| 10 | Oxychlorane | 2.33e4 | 1.32e5 | 41 | 1.54 | NO | 0.9262 | 1.000 | 33.84 | 33.83 | 1.000 | 1.001 | NO | 9.54 | 95.4 | 0.235 | 9.54 |
| 11 | cis-Heptachlor Epoxide | 3.18e4 | 1.72e5 | 42 | 1.53 | NO | 0.9366 | 1.000 | 34.61 | 34.62 | 1.001 | 1.001 | NO | 9.85 | 98.5 | 0.170 | 9.85 |
| 12 | trans-Heptachlor Epoxide | 7.96e3 | 1.72e5 | 42 | 1.60 | NO | 0.2364 | 1.000 | 35.11 | 35.12 | 1.015 | 1.015 | NO | 9.67 | 96.7 | 0.668 | 9.68 |
| 13 | trans-Chlordane (genm) | 2.55e4 | 1.35e5 | 43 | 1.59 | NO | 0.9904 | 1.000 | 35.52 | 35.53 | 1.001 | 1.001 | NO | 9.76 | 97.6 | 0.198 | 9.76 |
| 14 | trans-Nonachlor | 2.66e4 | 1.49e5 | 44 | 1.66 | NO | 0.9021 | 1.000 | 35.71 | 35.72 | 1.001 | 1.001 | NO | 9.87 | 98.7 | 0.188 | 9.87 |
| 15 | cis-Chlordane | 2.70e4 | 1.49e5 | 44 | 1.56 | NO | 0.8888 | 1.000 | 36.20 | 36.20 | 1.014 | 1.015 | NO | 10.1 | 101 | 0.189 | 10.1 |
| 16 | Endosulfen I (alpha) | 3.00e4 | 8.71e4 | 45 | 1.53 | NO | 1.0348 | 1.000 | 36.31 | 36.30 | 1.000 | 1.001 | NO | 16.6 | 111 | 0.285 | 16.6 |
| 17 | 4,4'-DDE | 1.29e5 | 4.70e5 | 38 | 3.15 | NO | 1.3629 | 1.000 | 30.59 | 30.61 | 0.998 | 0.997 | NO | 10.1 | 101 | 0.196 | 10.1 |





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

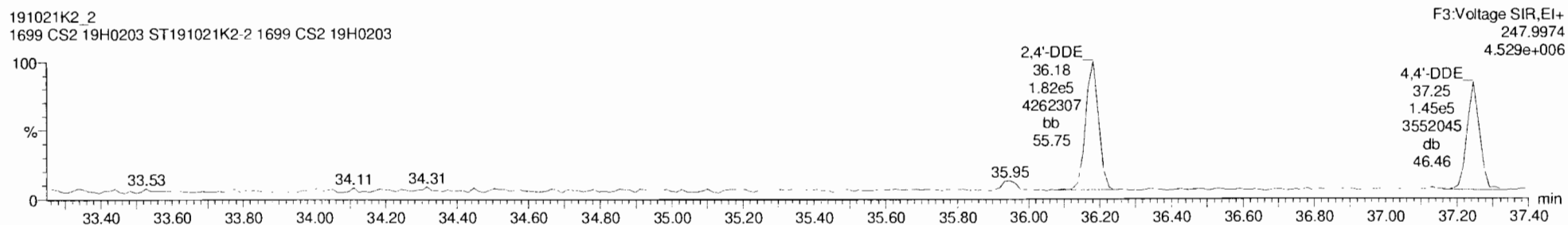
Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

DDMU-DDE

191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

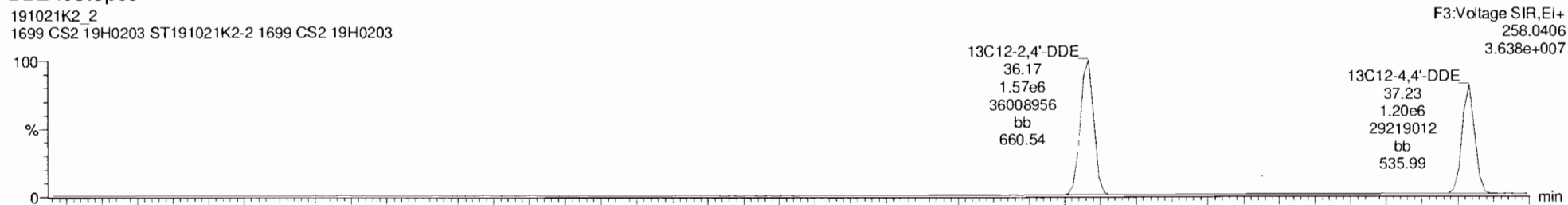


191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

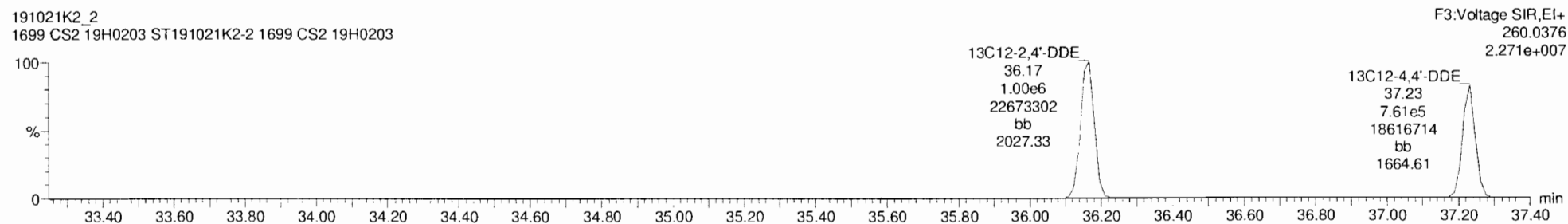


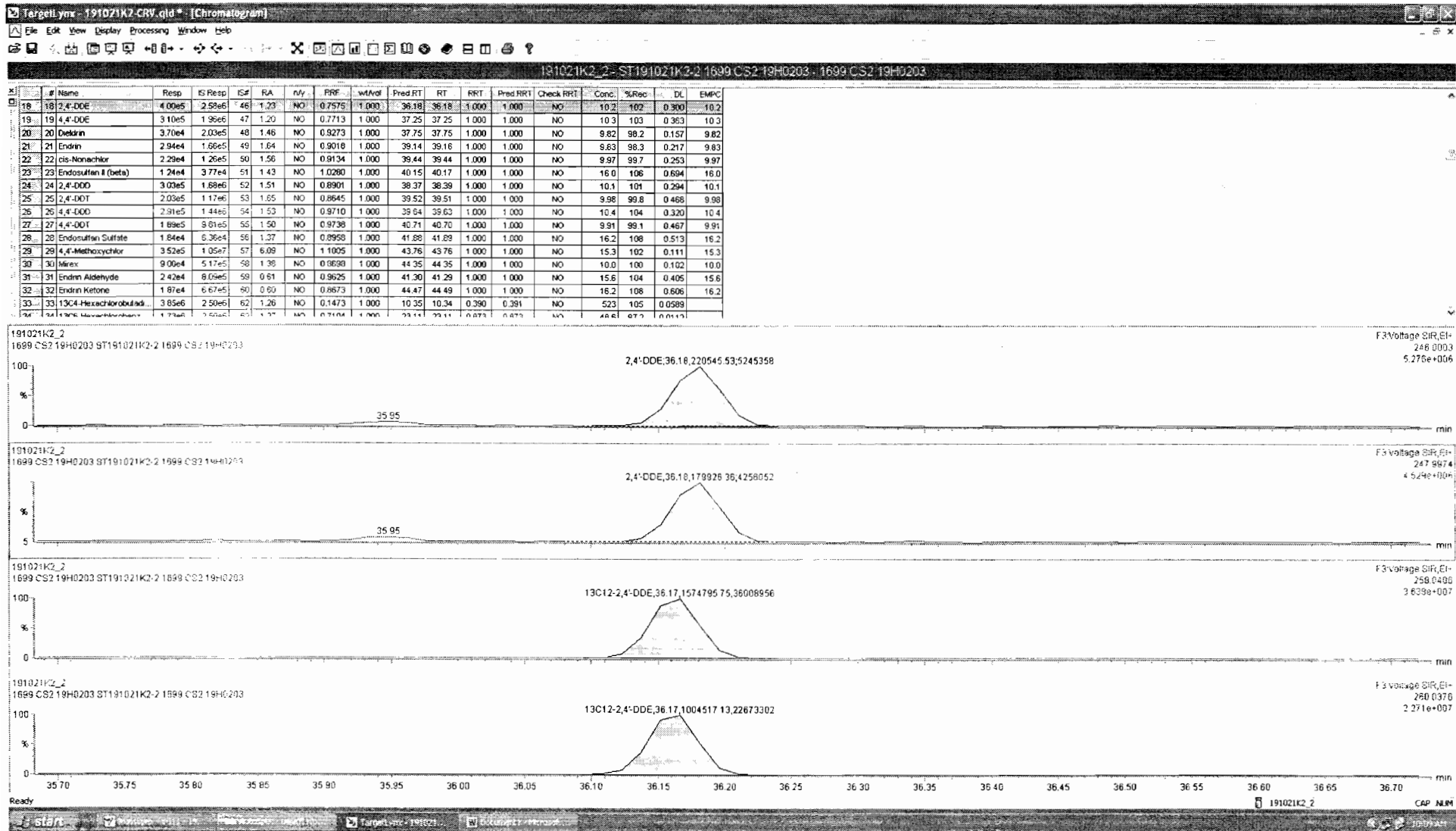
DDE-isotopes

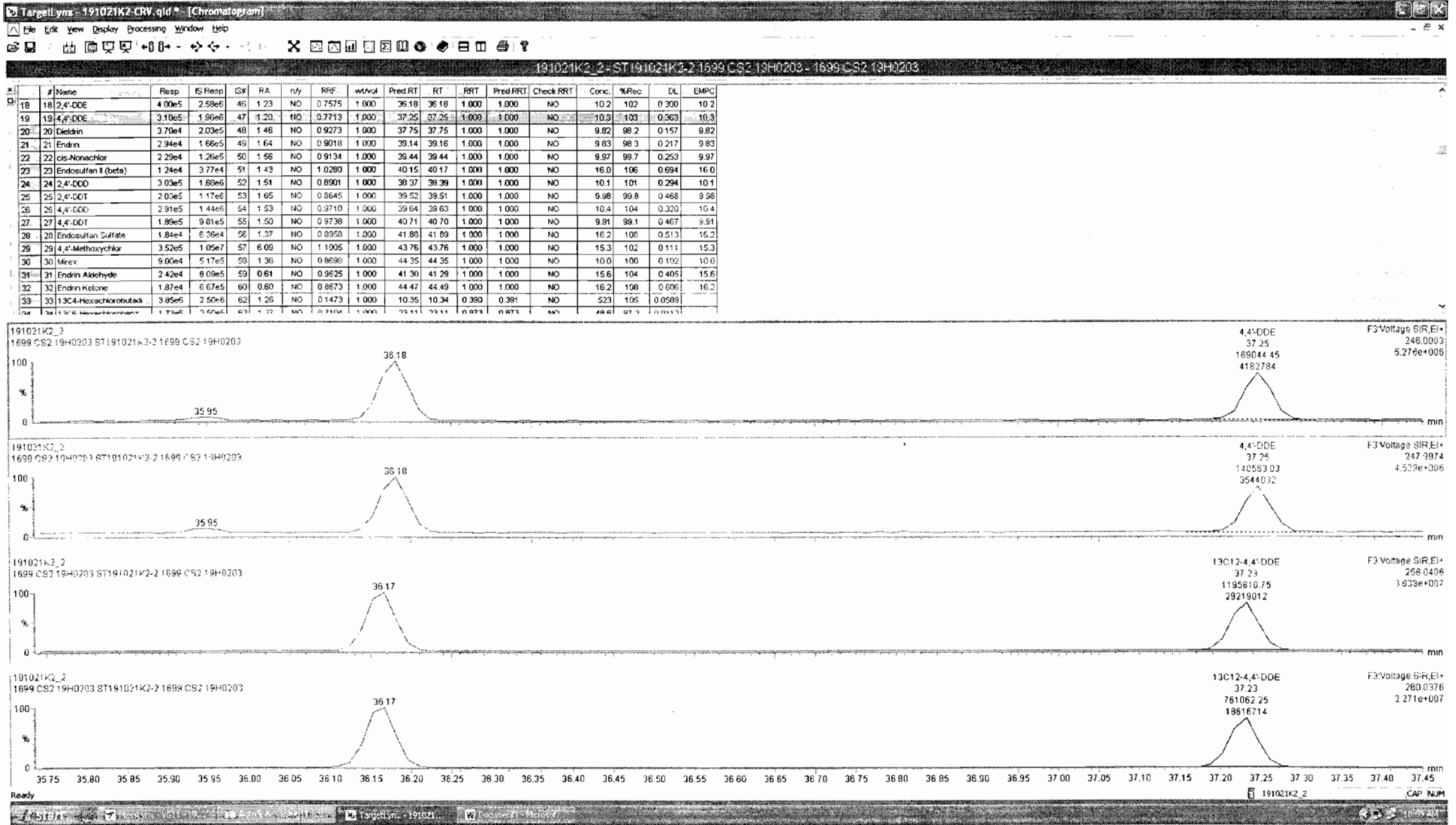
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203







Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

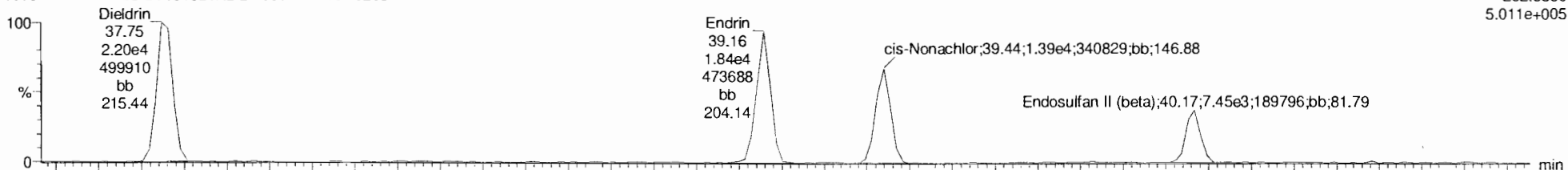
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Dieldrin-EII

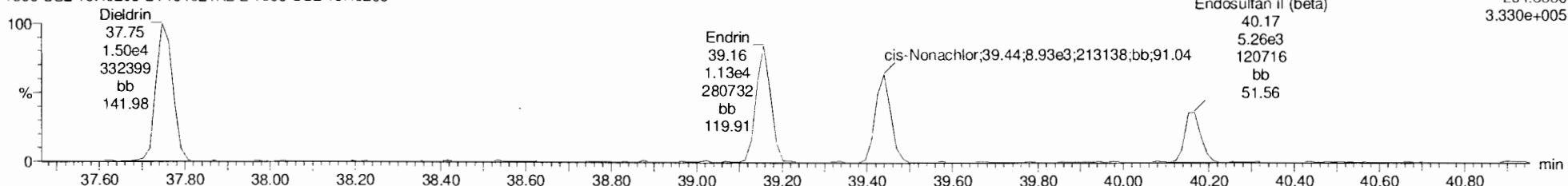
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
262.8569
5.011e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

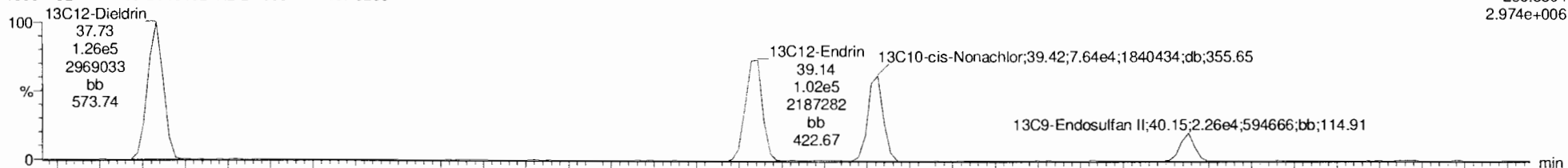
F4:Voltage SIR,EI+
264.8550
3.330e+005



Dieldrin-EII-isotopes

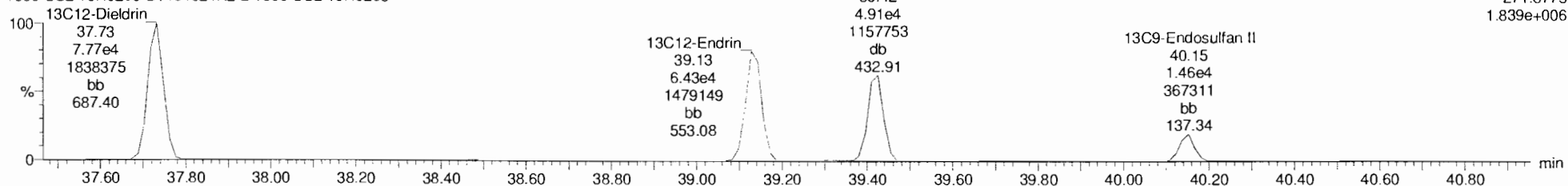
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

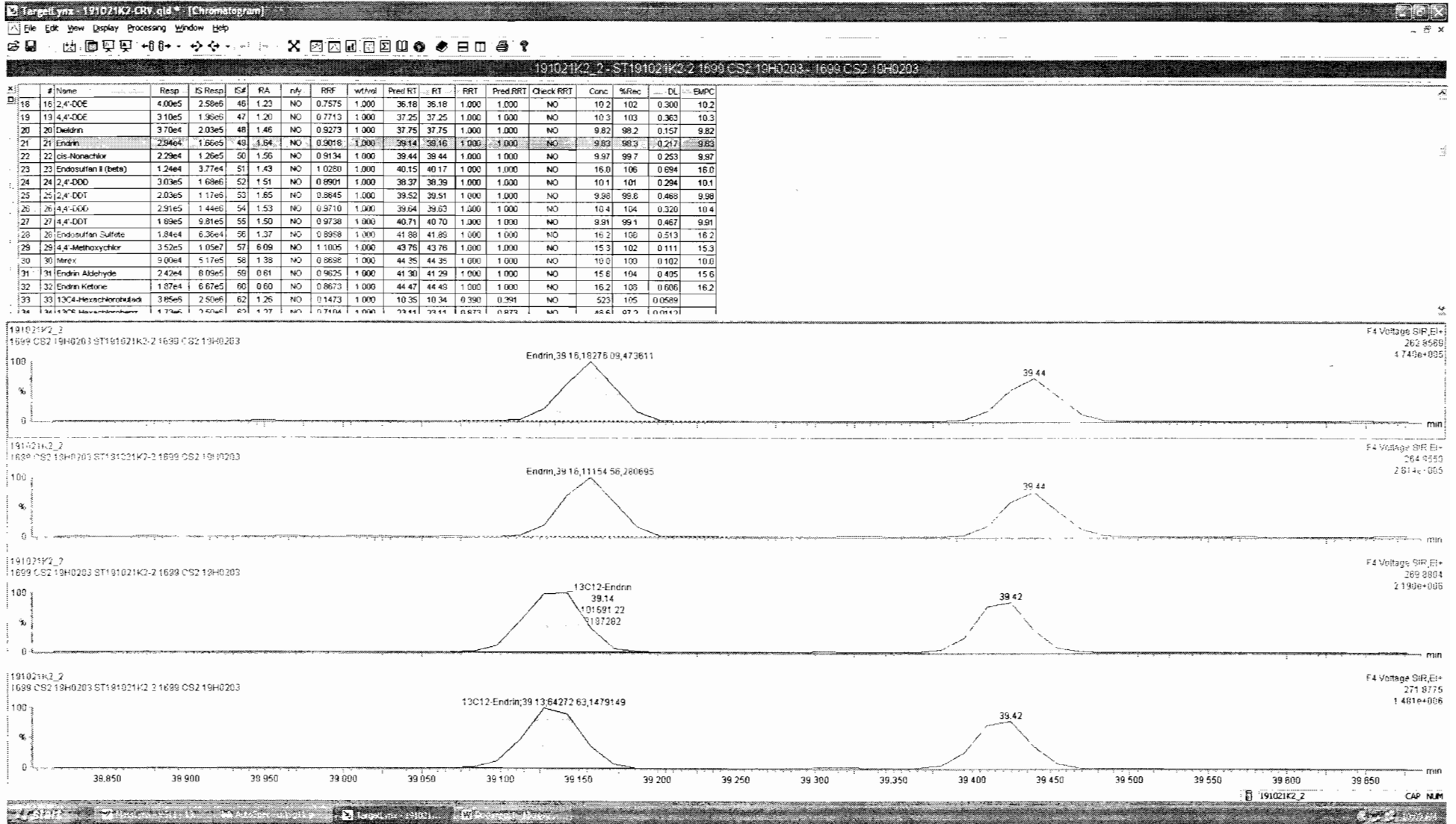
F4:Voltage SIR,EI+
269.8804
2.974e+006



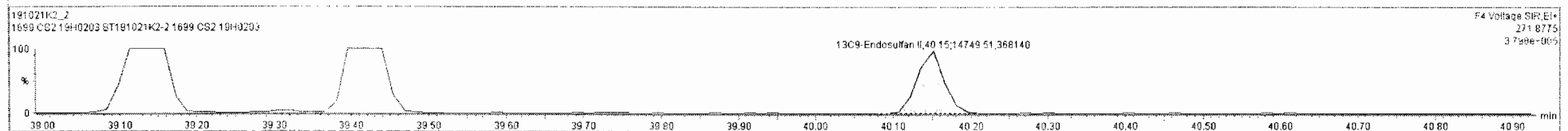
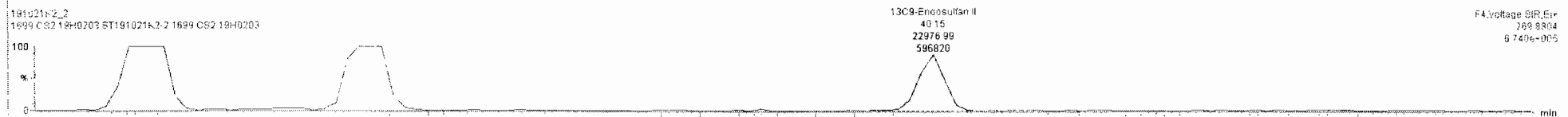
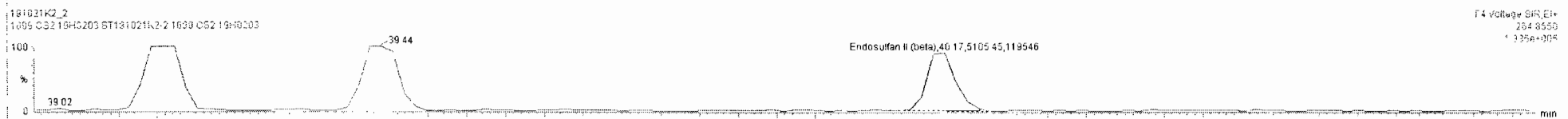
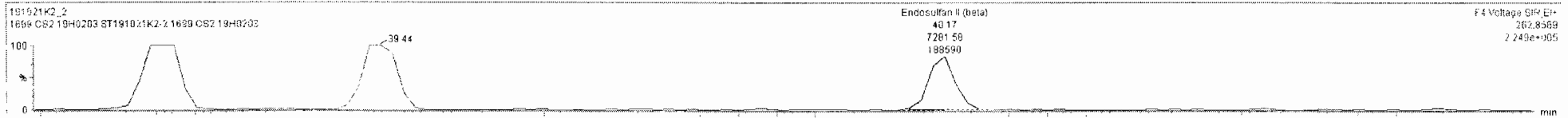
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
271.8775
1.839e+006





| # | Name | Resp | IS Resp | IS# | RA | n/y | RRF | wtAvl | Pred RT | RT | RRT | Pred RRT | Check RRT | Conc | %Rec | DL | EMPC |
|----|--------------------------|--------|---------|-----|------|-----|--------|-------|---------|-------|-------|----------|-----------|------|------|--------|------|
| 18 | 18 2,4'-DDE | 4.00e5 | 2.59e6 | 46 | 1.23 | NO | 0.7575 | 1.000 | 36.18 | 36.18 | 1.000 | 1.000 | NO | 10.2 | 102 | 0.300 | 10.2 |
| 19 | 19 4,4'-DDE | 3.10e5 | 1.96e6 | 47 | 1.20 | NO | 0.7713 | 1.000 | 37.25 | 37.25 | 1.000 | 1.000 | NO | 10.3 | 103 | 0.363 | 10.3 |
| 20 | 20 Dieldrin | 3.70e4 | 2.03e5 | 48 | 1.46 | NO | 0.9273 | 1.000 | 37.75 | 37.75 | 1.000 | 1.000 | NO | 9.82 | 98.2 | 0.157 | 9.82 |
| 21 | 21 Endrin | 2.94e4 | 1.66e5 | 49 | 1.64 | NO | 0.9016 | 1.000 | 39.14 | 39.16 | 1.000 | 1.000 | NO | 9.83 | 98.3 | 0.217 | 9.83 |
| 22 | 22 cis-Nonachlor | 2.29e4 | 1.26e5 | 50 | 1.56 | NO | 0.9134 | 1.000 | 39.44 | 39.44 | 1.000 | 1.000 | NO | 9.97 | 99.7 | 0.253 | 9.97 |
| 23 | 23 Endosulfan II (beta) | 1.24e4 | 3.77e4 | 51 | 1.43 | NO | 1.0260 | 1.000 | 40.15 | 40.17 | 1.000 | 1.000 | NO | 16.0 | 106 | 0.694 | 16.0 |
| 24 | 24 2,4'-DDD | 3.03e5 | 1.89e6 | 52 | 1.51 | NO | 0.8901 | 1.000 | 38.37 | 38.39 | 1.000 | 1.000 | NO | 10.1 | 101 | 0.294 | 10.1 |
| 25 | 25 2,4'-DDT | 2.03e5 | 1.17e6 | 53 | 1.85 | NO | 0.8645 | 1.000 | 39.52 | 39.51 | 1.000 | 1.000 | NO | 9.98 | 99.8 | 0.468 | 9.98 |
| 26 | 26 4,4'-DDD | 2.91e5 | 1.44e6 | 54 | 1.53 | NO | 0.9710 | 1.000 | 39.64 | 39.63 | 1.000 | 1.000 | NO | 10.4 | 104 | 0.320 | 10.4 |
| 27 | 27 4,4'-DDT | 1.89e5 | 9.81e5 | 55 | 1.50 | NO | 0.9738 | 1.000 | 40.71 | 40.70 | 1.000 | 1.000 | NO | 9.91 | 99.1 | 0.467 | 9.91 |
| 28 | 28 Endosulfan Sulfate | 1.84e4 | 6.36e4 | 56 | 1.37 | NO | 0.8958 | 1.000 | 41.88 | 41.89 | 1.000 | 1.000 | NO | 16.2 | 108 | 0.513 | 16.2 |
| 29 | 29 4,4'-Methoxychlor | 3.52e5 | 1.05e7 | 57 | 6.09 | NO | 1.1005 | 1.000 | 43.76 | 43.76 | 1.000 | 1.000 | NO | 15.3 | 102 | 0.111 | 15.3 |
| 30 | 30 Irex | 9.00e4 | 5.17e5 | 58 | 1.38 | NO | 0.8998 | 1.000 | 44.35 | 44.35 | 1.000 | 1.000 | NO | 10.0 | 100 | 0.102 | 10.0 |
| 31 | 31 Endrin Aldehyde | 2.42e4 | 8.09e5 | 59 | 0.61 | NO | 0.9525 | 1.000 | 41.30 | 41.29 | 1.000 | 1.000 | NO | 15.6 | 104 | 0.405 | 15.6 |
| 32 | 32 Endrin Ketone | 1.87e4 | 6.67e5 | 60 | 0.50 | NO | 0.8673 | 1.000 | 44.47 | 44.49 | 1.000 | 1.000 | NO | 16.2 | 108 | 0.606 | 16.2 |
| 33 | 33 13C4-Hexachlorobutadi | 3.85e6 | 2.50e6 | 62 | 1.26 | NO | 0.1473 | 1.000 | 10.35 | 10.34 | 0.990 | 0.991 | NO | 523 | 105 | 0.0588 | |
| 34 | 34 13C6-Hexachlorobutadi | 4.73e6 | 2.50e6 | 63 | 1.37 | NO | 0.1104 | 1.000 | 10.11 | 10.11 | 0.873 | 0.873 | NO | 48.6 | 97.3 | 0.0113 | |



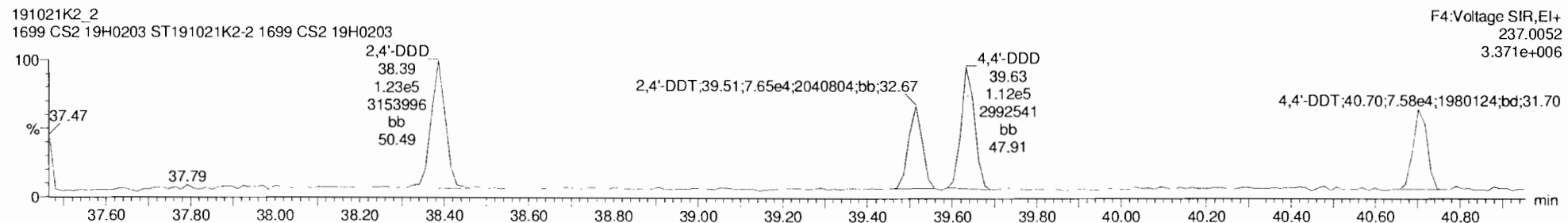
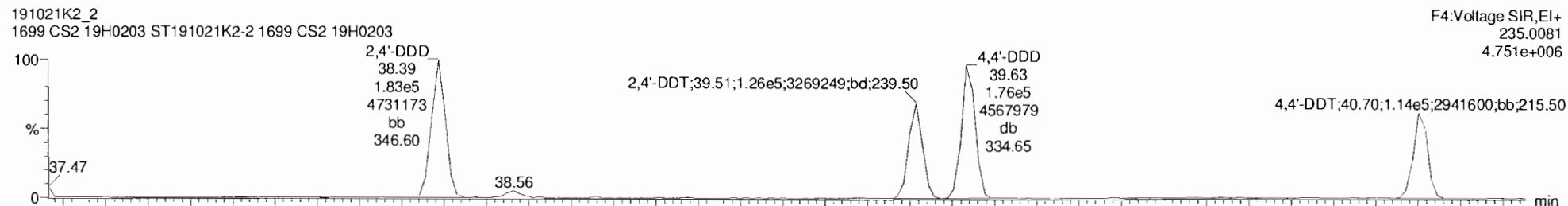
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

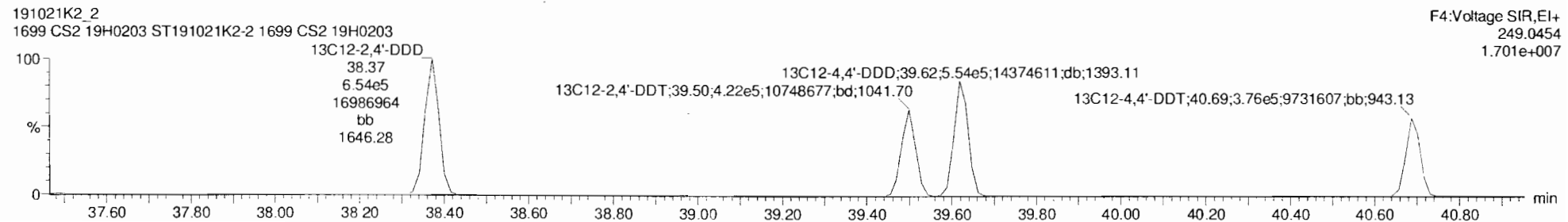
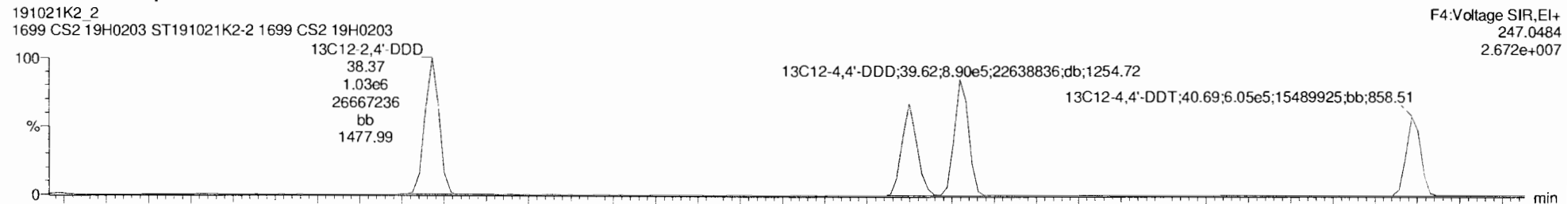
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

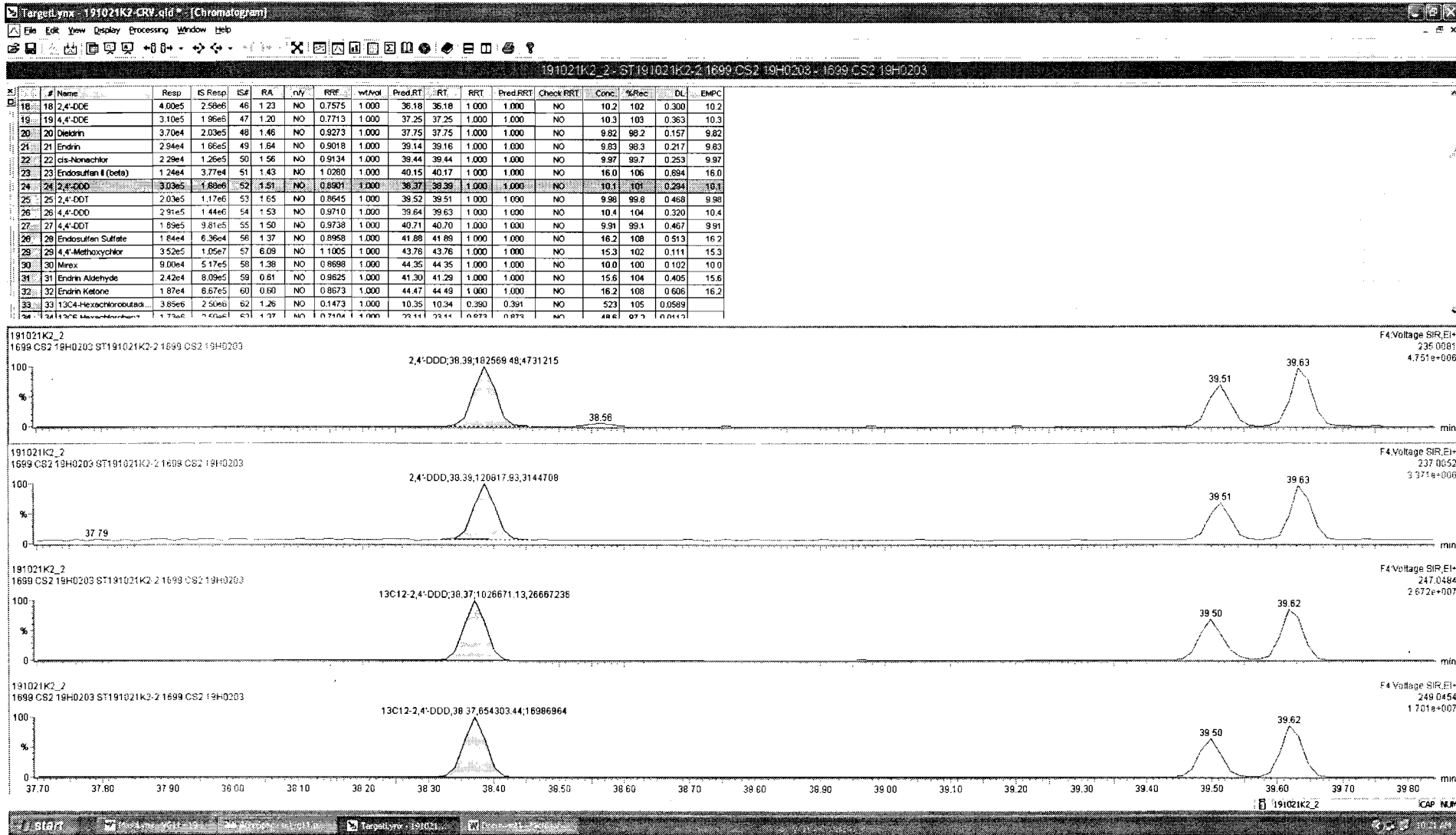
Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

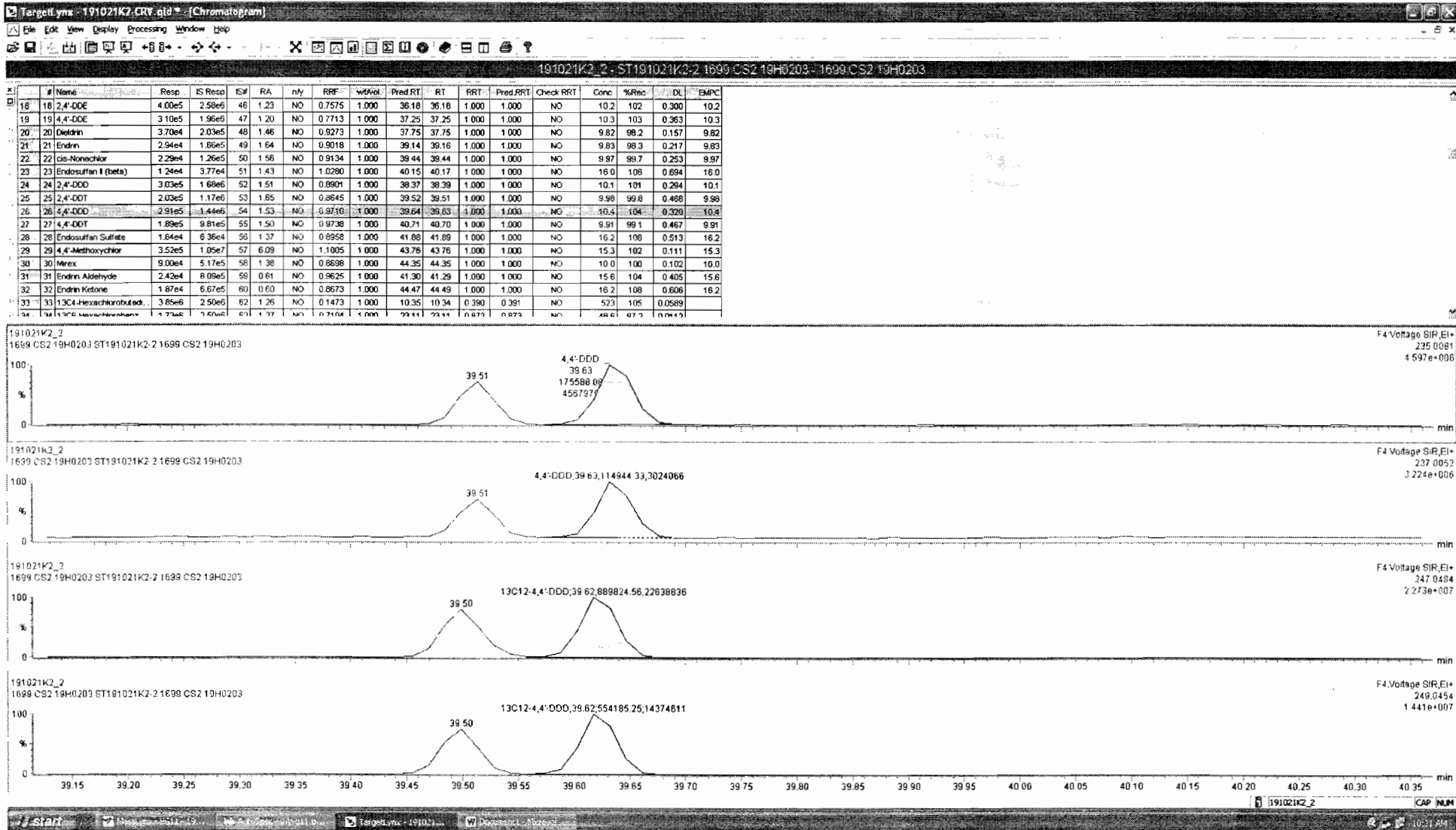
DDD-DDT



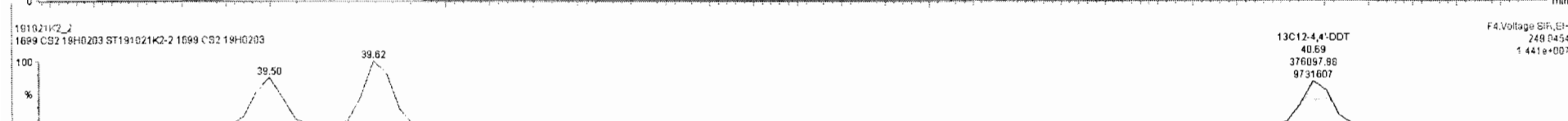
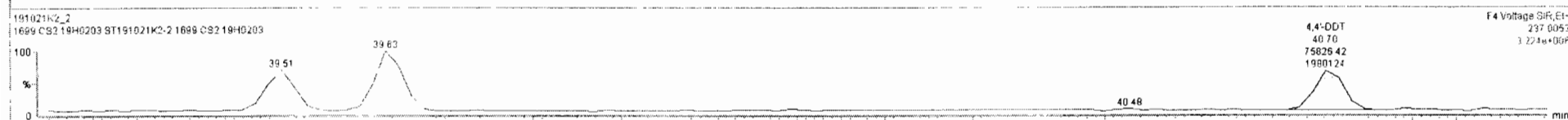
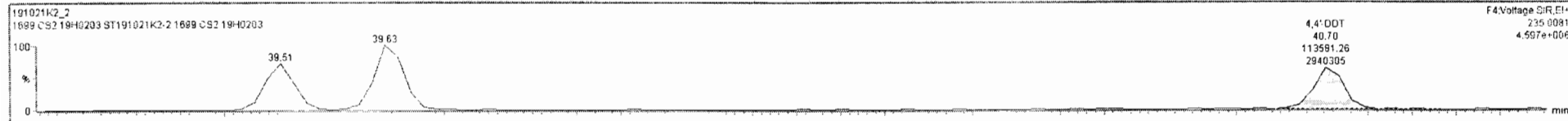
DDD-DDT-isotopes







| # | Name | Resp | IS Resp | IS# | RA | n/y | RRF | wtVol | Pred.RT | RT | RRF | Pred.RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|-----|------|-----|--------|-------|---------|-------|-------|----------|-----------|-------|------|--------|------|
| 18 | 18 2,4'-DOE | 4.00e5 | 2.58e6 | 46 | 1.23 | NO | 0.7575 | 1.000 | 36.18 | 36.18 | 1.000 | 1.000 | NO | 10.2 | 102 | 0.300 | 10.2 |
| 19 | 19 4,4'-DOE | 3.10e5 | 1.96e6 | 47 | 1.20 | NO | 0.7713 | 1.000 | 37.25 | 37.25 | 1.000 | 1.000 | NO | 10.3 | 103 | 0.363 | 10.3 |
| 20 | 20 Dieldrin | 3.70e4 | 2.03e5 | 48 | 1.46 | NO | 0.9273 | 1.000 | 37.75 | 37.75 | 1.000 | 1.000 | NO | 9.82 | 98.2 | 0.157 | 9.82 |
| 21 | 21 Endrin | 2.94e4 | 1.66e5 | 49 | 1.64 | NO | 0.9018 | 1.000 | 39.14 | 39.16 | 1.000 | 1.000 | NO | 9.83 | 98.3 | 0.217 | 9.83 |
| 22 | 22 cis-Nonachlor | 2.29e4 | 1.26e5 | 50 | 1.56 | NO | 0.9134 | 1.000 | 39.44 | 39.44 | 1.000 | 1.000 | NO | 9.97 | 99.7 | 0.253 | 9.97 |
| 23 | 23 Endosulfan II (beta) | 1.24e4 | 3.77e4 | 51 | 1.43 | NO | 1.0280 | 1.000 | 40.15 | 40.17 | 1.000 | 1.000 | NO | 16.0 | 106 | 0.694 | 16.0 |
| 24 | 24 2,4'-DDD | 3.03e5 | 1.68e6 | 52 | 1.51 | NO | 0.9601 | 1.000 | 38.37 | 38.39 | 1.000 | 1.000 | NO | 10.1 | 101 | 0.294 | 10.1 |
| 25 | 25 2,4'-DDT | 2.03e5 | 1.17e6 | 53 | 1.65 | NO | 0.9845 | 1.000 | 39.52 | 39.51 | 1.000 | 1.000 | NO | 9.98 | 99.8 | 0.468 | 9.98 |
| 26 | 26 4,4'-DDD | 2.91e5 | 1.44e6 | 54 | 1.53 | NO | 0.9710 | 1.000 | 39.64 | 39.63 | 1.000 | 1.000 | NO | 10.4 | 104 | 0.320 | 10.4 |
| 27 | 27 4,4'-DDT | 1.99e5 | 9.81e5 | 55 | 1.50 | NO | 0.9738 | 1.000 | 40.71 | 40.70 | 1.000 | 1.000 | NO | 9.91 | 99.1 | 0.467 | 9.91 |
| 28 | 28 Endosulfan Sulfate | 1.84e4 | 6.30e4 | 56 | 1.37 | NO | 0.8958 | 1.000 | 41.88 | 41.89 | 1.000 | 1.000 | NO | 15.2 | 108 | 0.513 | 15.2 |
| 29 | 29 4,4'-Methoxychlor | 3.52e5 | 1.05e7 | 57 | 6.09 | NO | 1.1005 | 1.000 | 43.76 | 43.76 | 1.000 | 1.000 | NO | 15.3 | 102 | 0.111 | 15.3 |
| 30 | 30 Mirex | 9.00e4 | 5.17e5 | 58 | 1.38 | NO | 0.8890 | 1.000 | 44.35 | 44.35 | 1.000 | 1.000 | NO | 10.0 | 100 | 0.102 | 10.0 |
| 31 | 31 Endrin Aldehyde | 2.42e4 | 8.09e5 | 59 | 0.61 | NO | 0.9625 | 1.000 | 41.30 | 41.29 | 1.000 | 1.000 | NO | 15.6 | 104 | 0.405 | 15.6 |
| 32 | 32 Endrin Ketone | 1.87e4 | 6.67e5 | 60 | 0.60 | NO | 0.9673 | 1.000 | 44.47 | 44.49 | 1.000 | 1.000 | NO | 16.2 | 108 | 0.606 | 16.2 |
| 33 | 33 13C4-Hexachlorobutadiene | 3.85e6 | 2.50e6 | 62 | 1.26 | NO | 0.1473 | 1.000 | 10.35 | 10.34 | 0.390 | 0.391 | NO | 523 | 105 | 0.0589 | |
| 34 | 34 1,1'-DDE | 1.73e5 | 7.65e5 | 63 | 1.27 | NO | 0.7164 | 1.000 | 33.14 | 33.14 | 0.873 | 0.873 | NO | 48.6 | 87.3 | 0.0413 | |



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

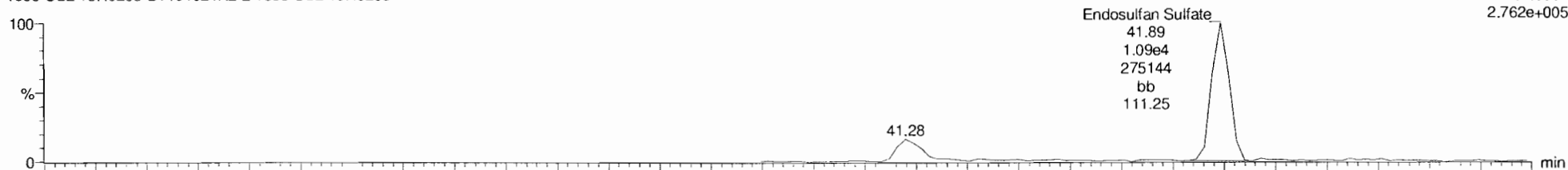
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Endosulfan Sulfate

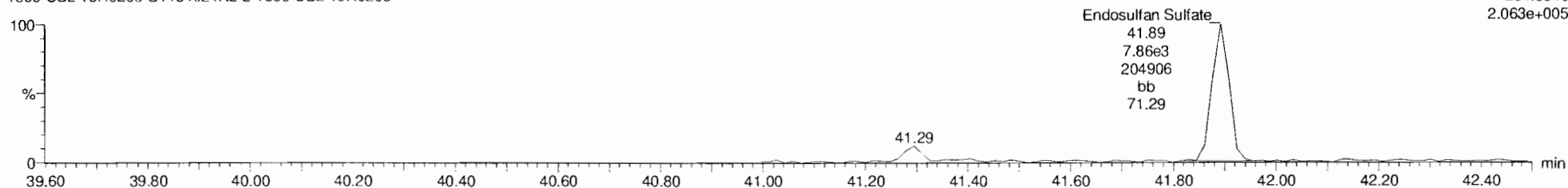
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
262.8569
2.762e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

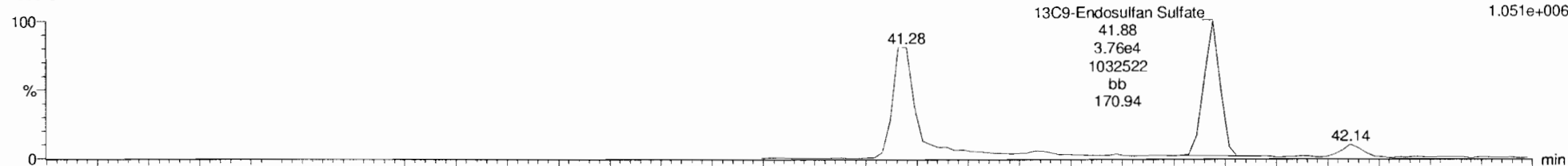
F5:Voltage SIR,EI+
264.8540
2.063e+005



¹³C9-Endosulfan Sulfate

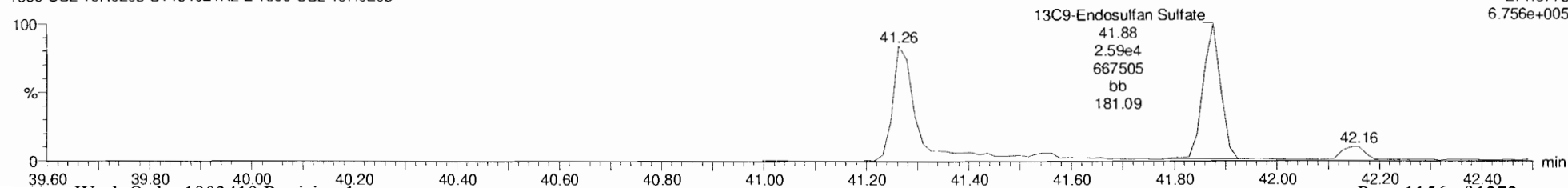
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

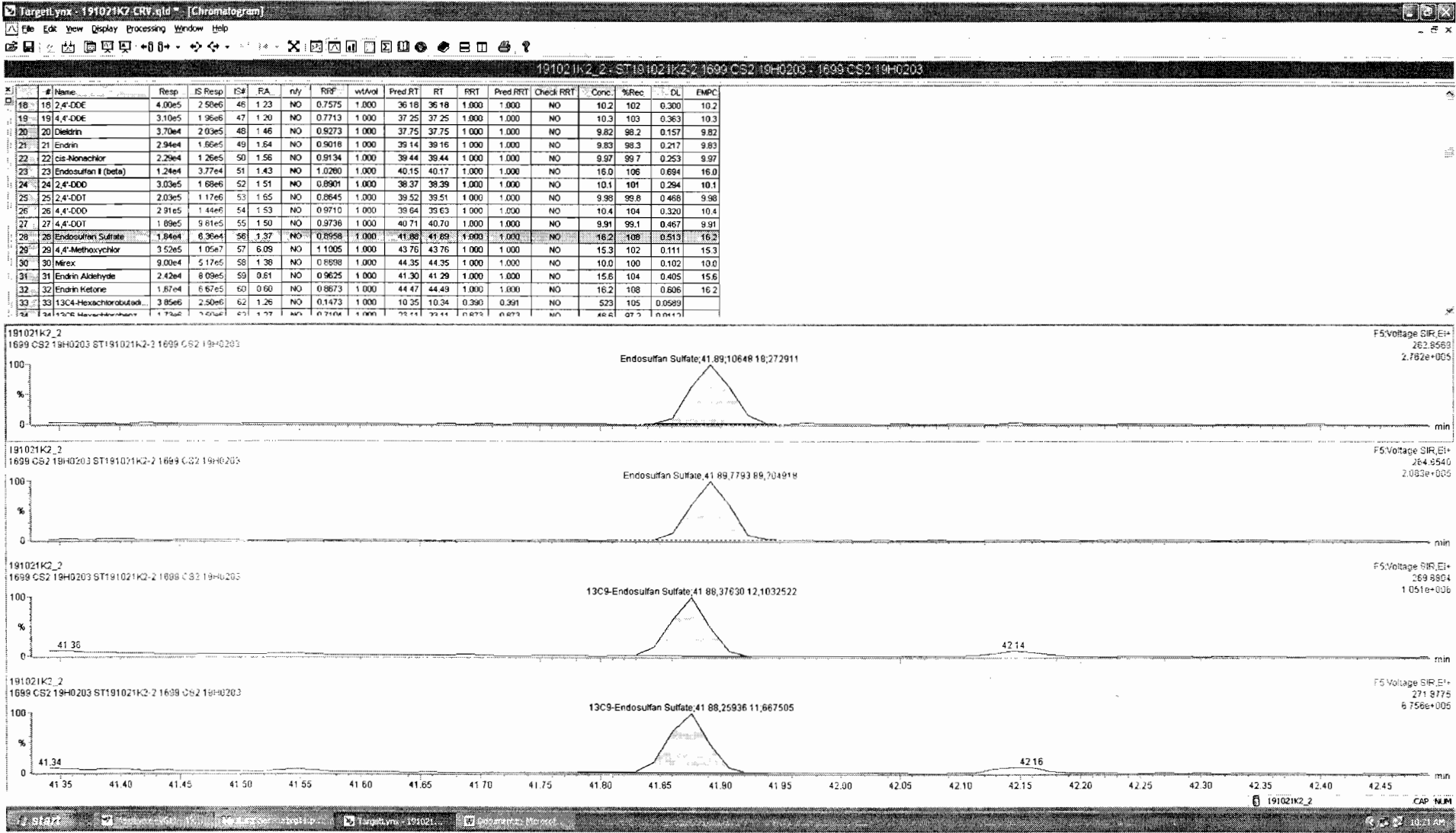
F5:Voltage SIR,EI+
269.8804
1.051e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
271.8775
6.756e+005





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

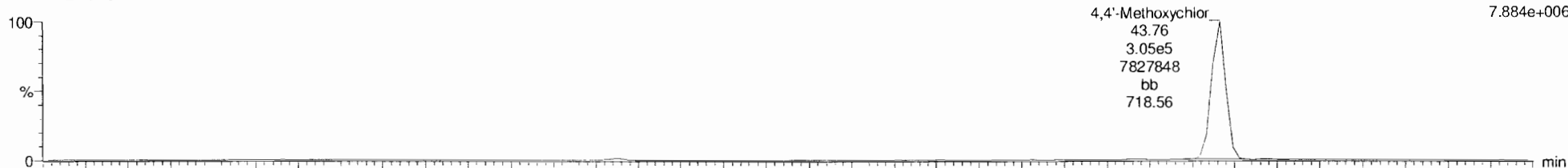
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

4,4'-Methoxychlor

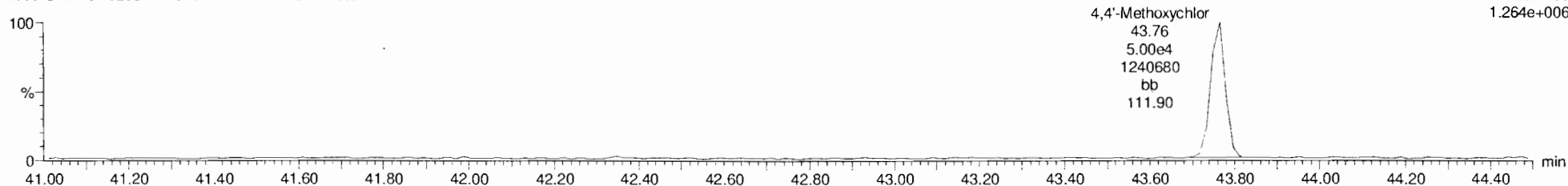
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR, EI+
227.1072
7.884e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR, EI+
228.1106
1.264e+006



13C12-Methoxychlor

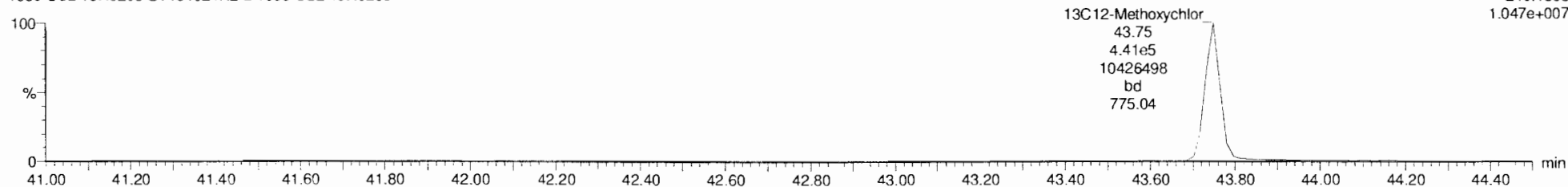
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

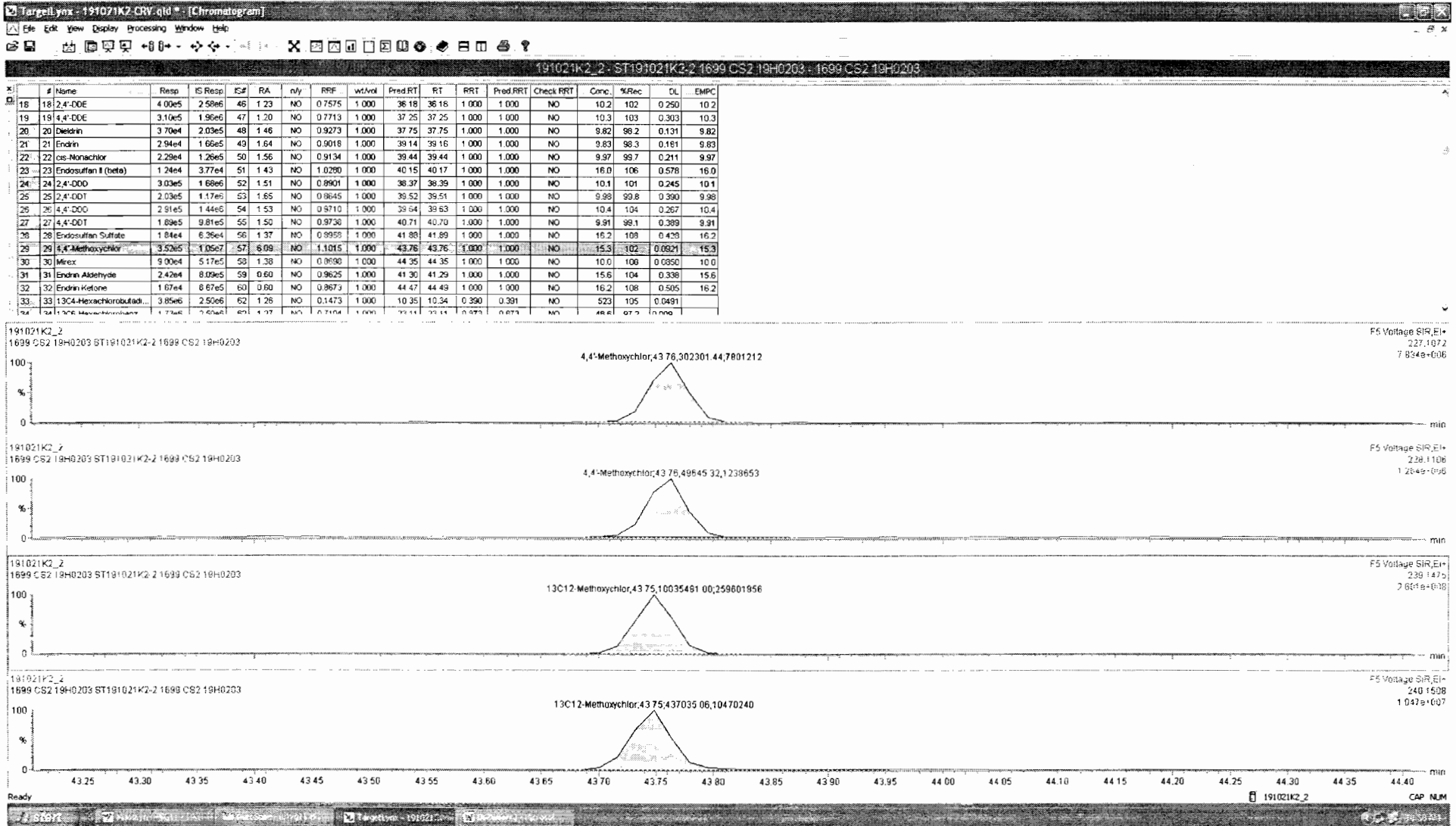
F5:Voltage SIR, EI+
239.1475
2.601e+008



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR, EI+
240.1508
1.047e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

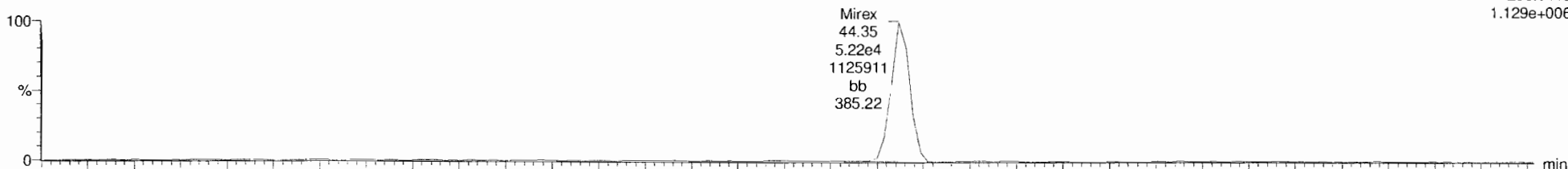
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Mirex

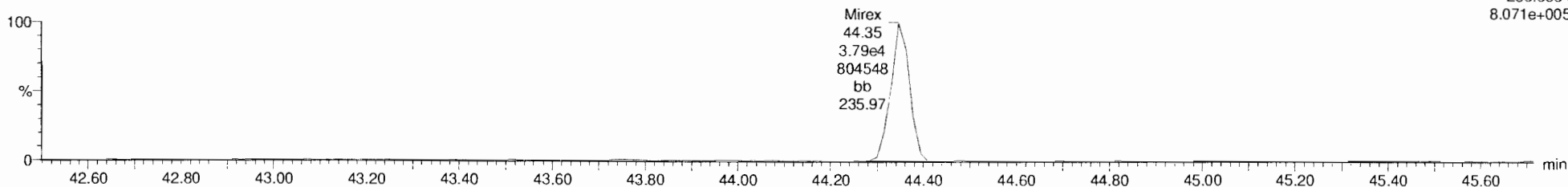
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
236.8413
1.129e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

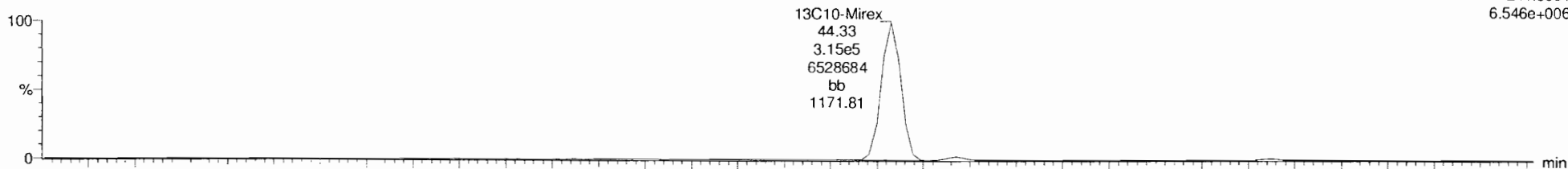
F5:Voltage SIR,EI+
238.8384
8.071e+005



13C10-Mirex

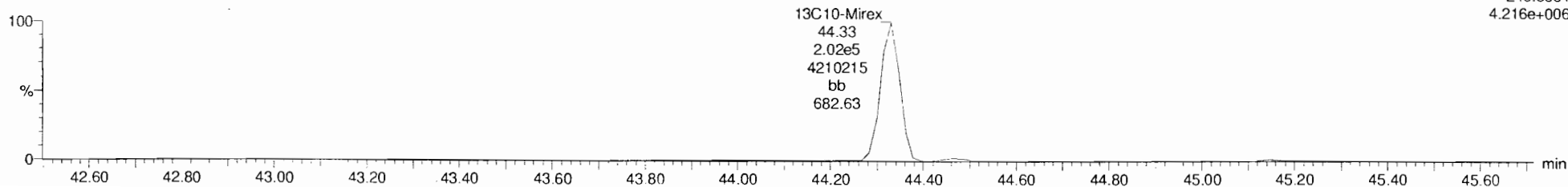
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
241.8581
6.546e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
243.8551
4.216e+006



Dataset: Untitled

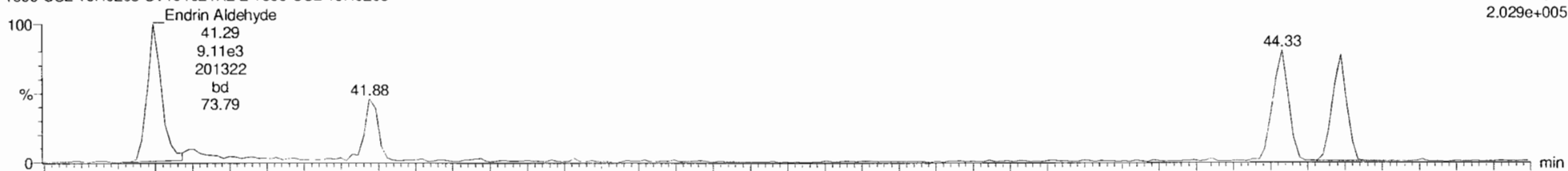
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

EA-EK

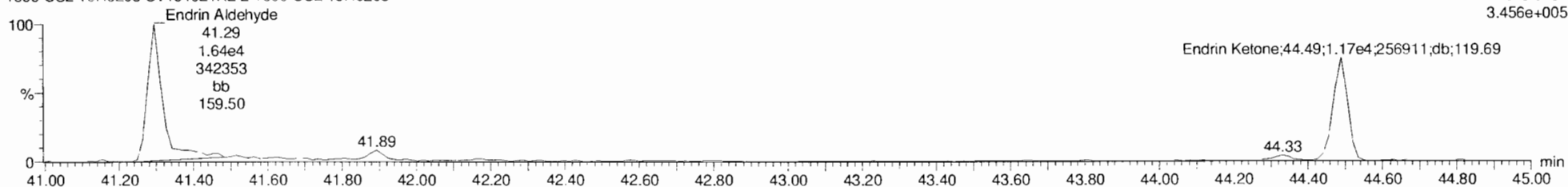
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
247.8521
2.029e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

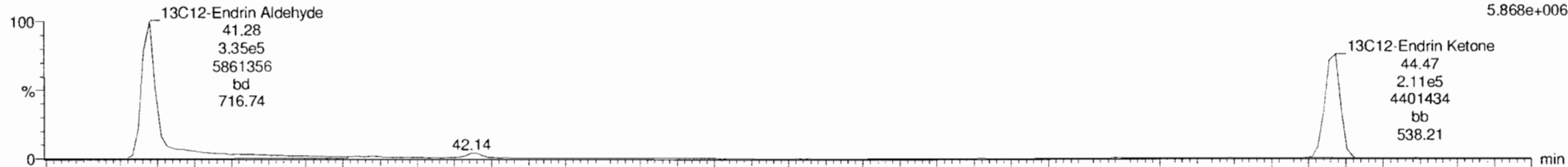
F5:Voltage SIR,EI+
249.8491
3.456e+005



EA-EK-isotopes

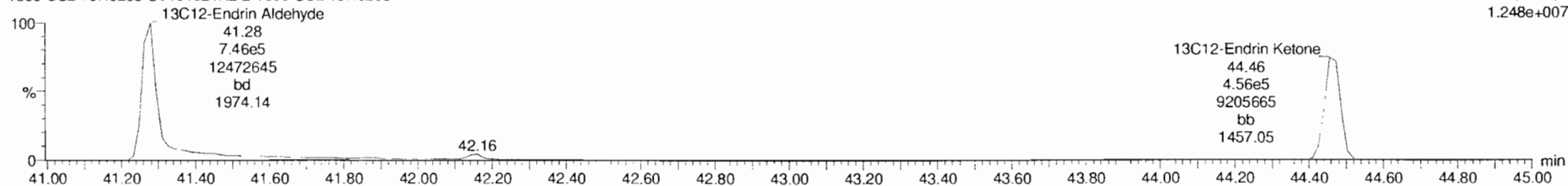
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

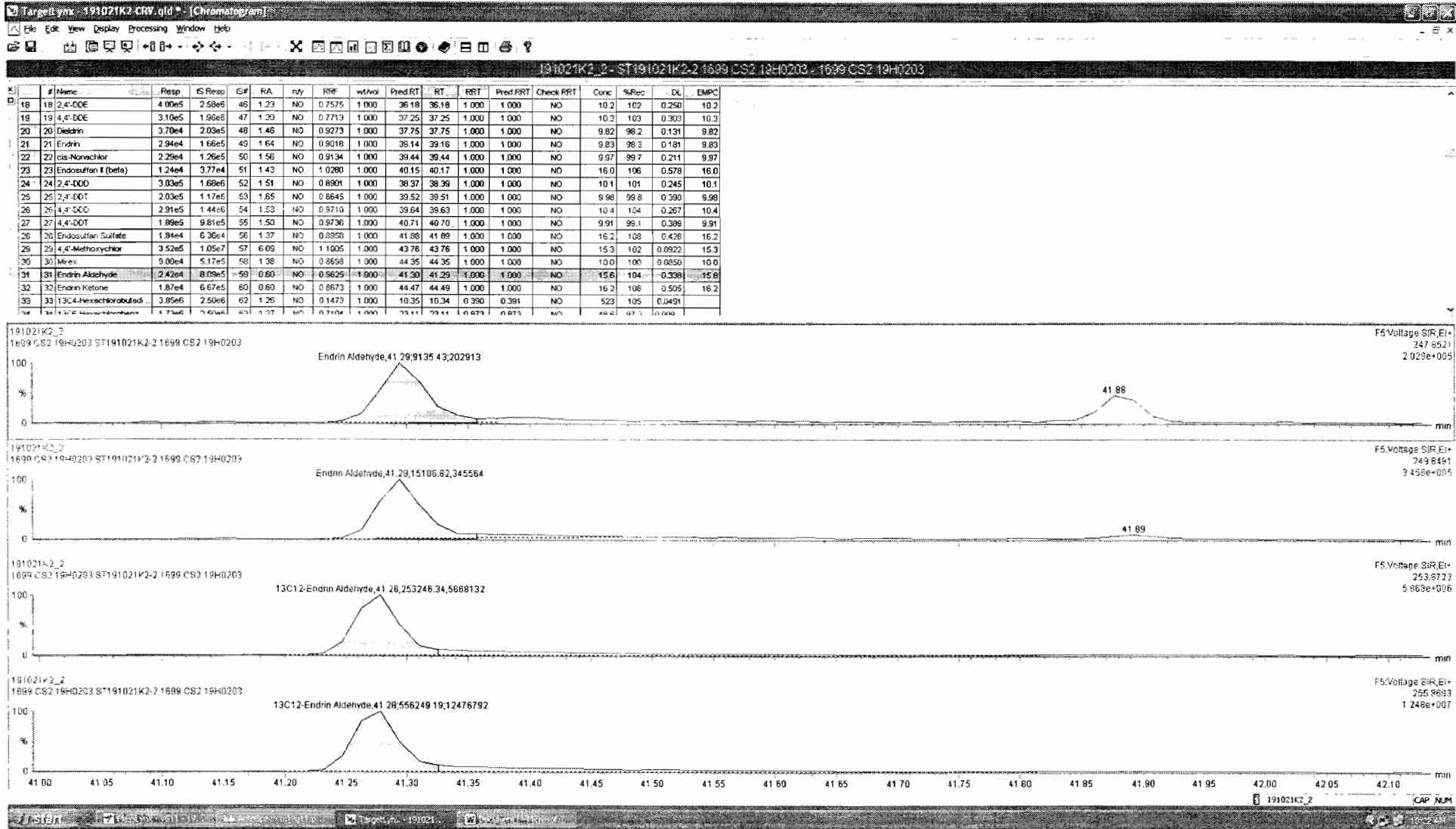
F5:Voltage SIR,EI+
253.8722
5.868e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
255.8693
1.248e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

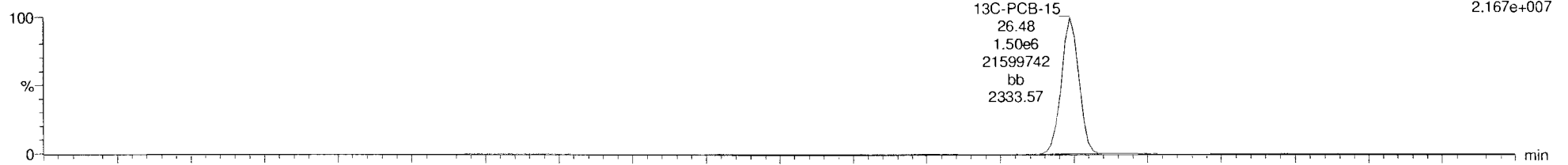
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

13C-PCB-15

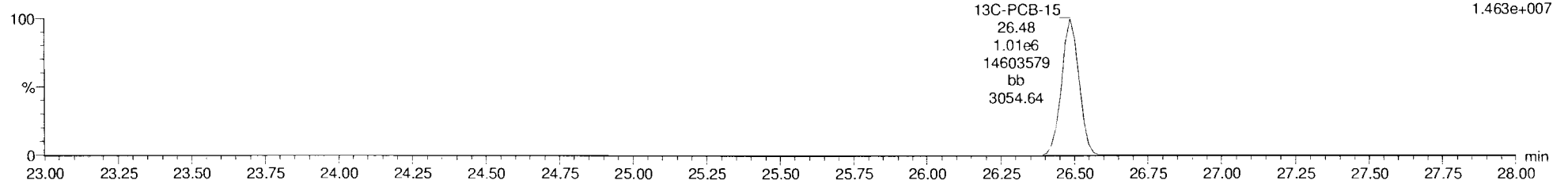
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
234.0406
2.167e+007



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

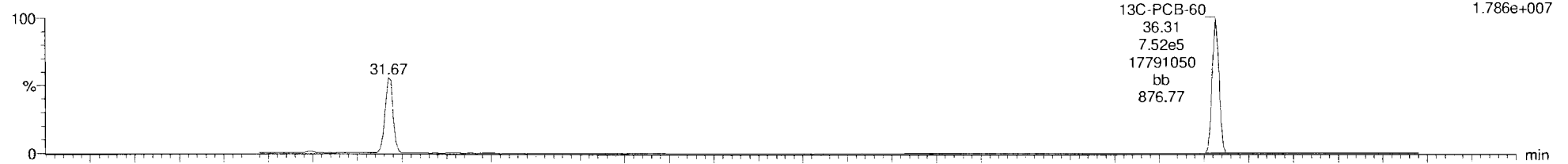
F2:Voltage SIR,EI+
236.0376
1.463e+007



13C-PCB-60

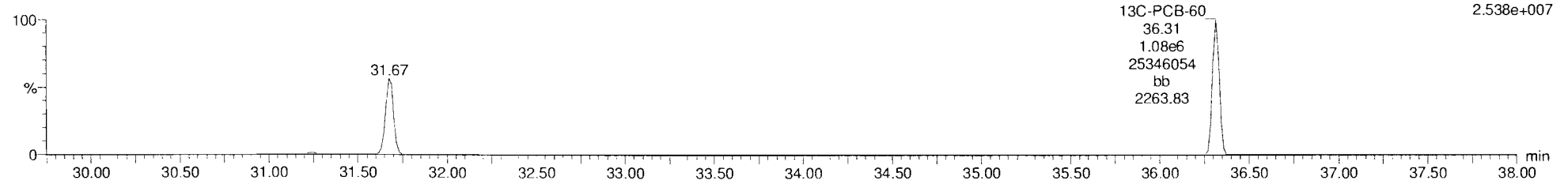
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
301.9626
1.786e+007



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
303.9597
2.538e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

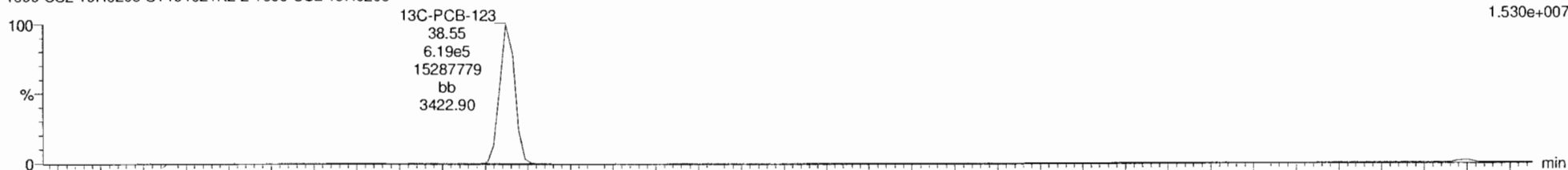
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

13C-PCB-123

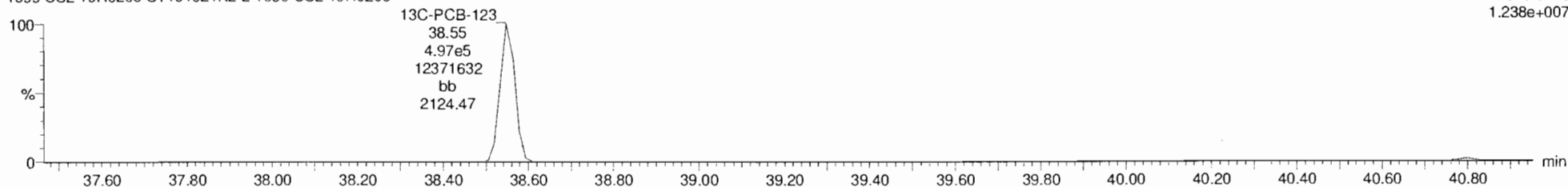
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
337.9210
1.530e+007



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

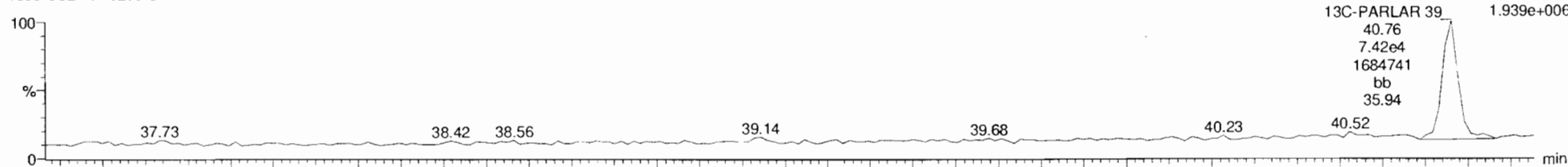
F4:Voltage SIR,EI+
339.9180
1.238e+007



13C-PARLAR 39

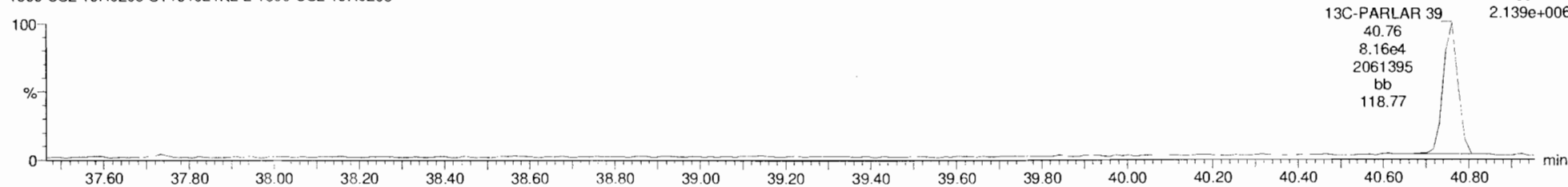
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
251.9648
1.939e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
253.9619
2.139e+006



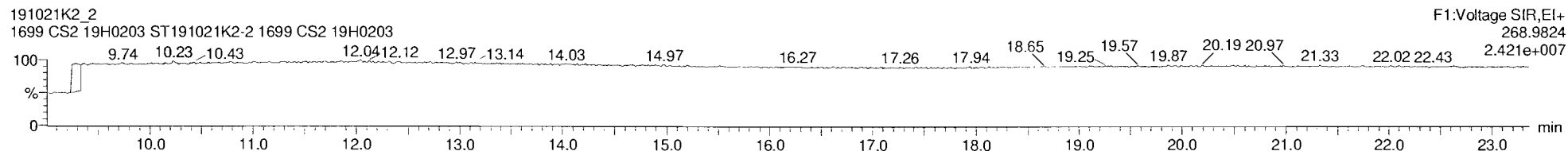
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

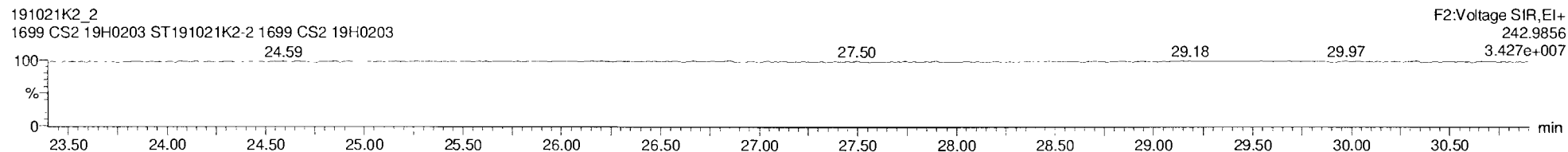
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

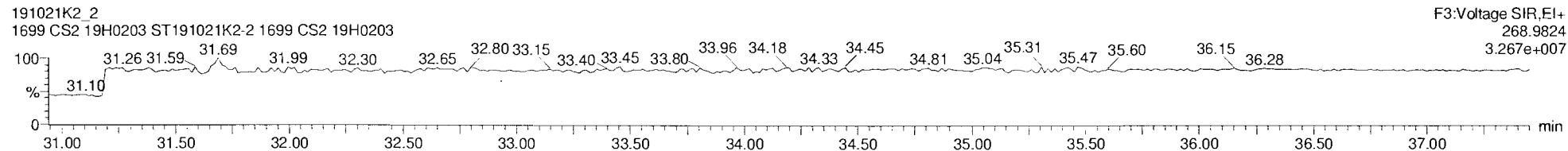
PFK1



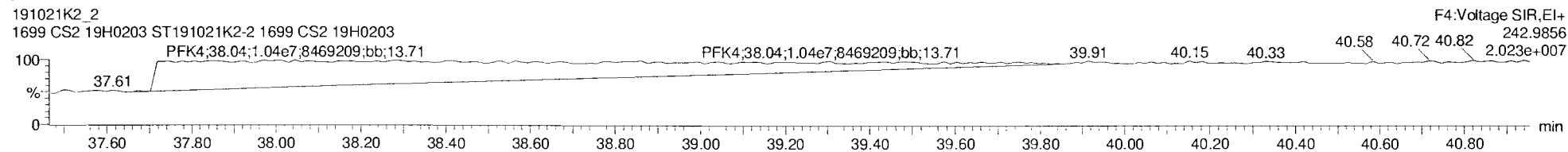
PFK2



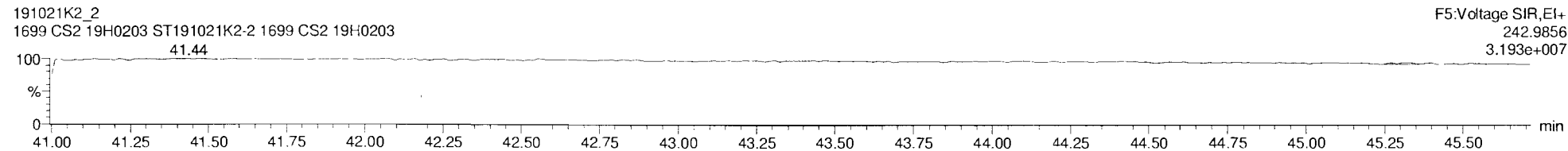
PFK3



PFK4



PFK5



Dataset: Untitled

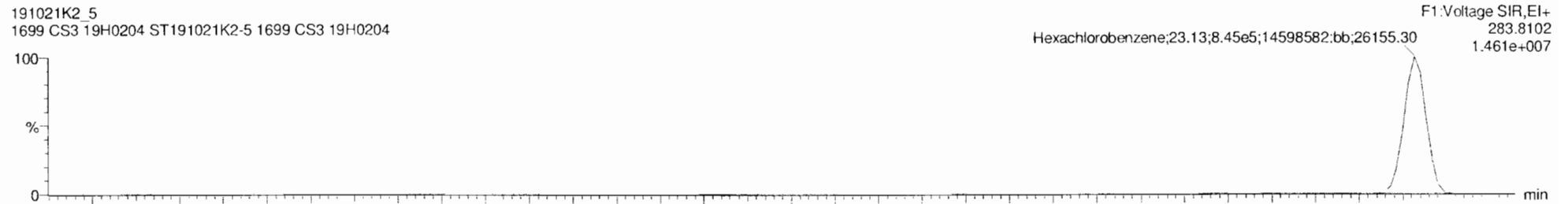
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

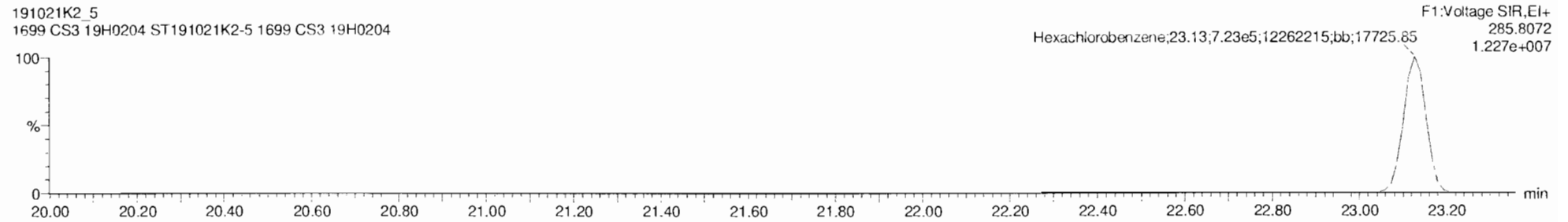
Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Hexachlorobenzene

191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

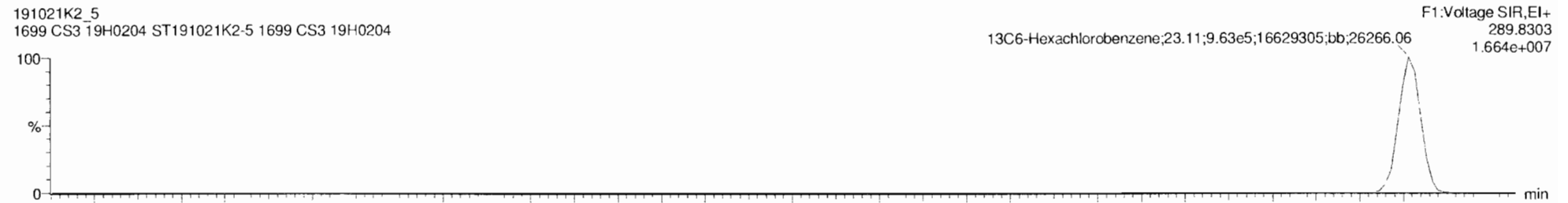


191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

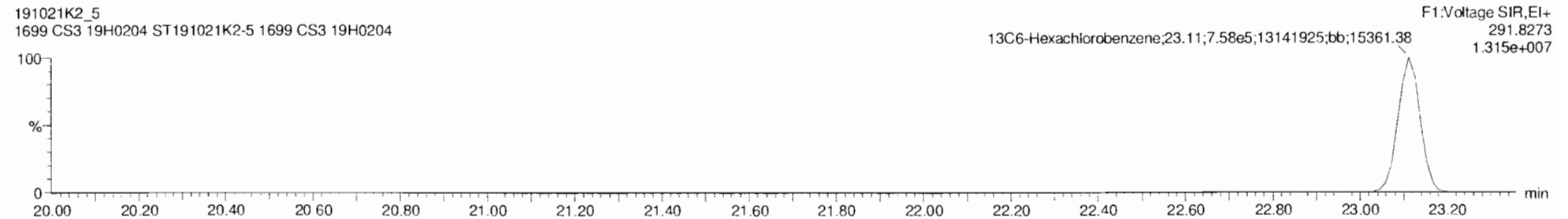


13C6-Hexachlorobenzene

191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

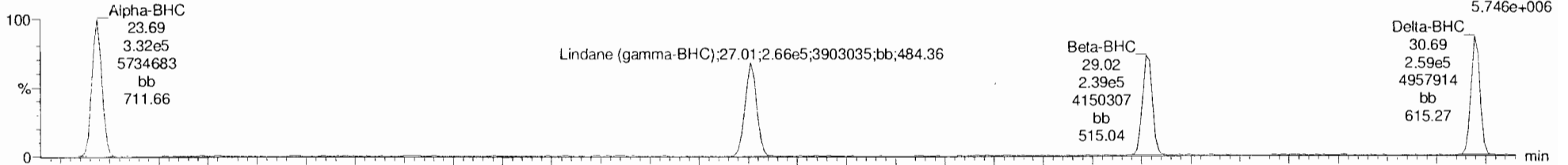
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

BHC Totals

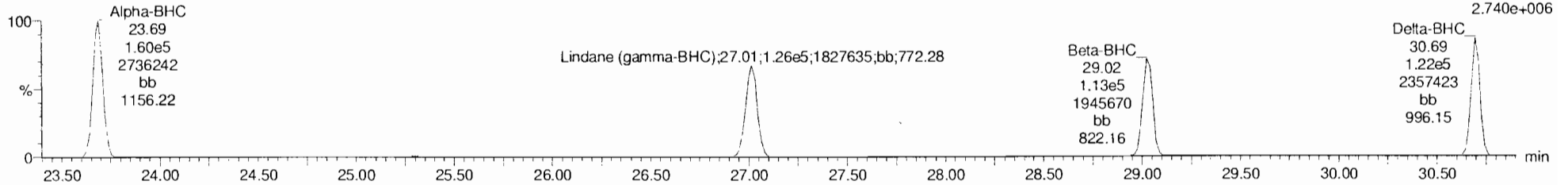
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
218.9116
5.746e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

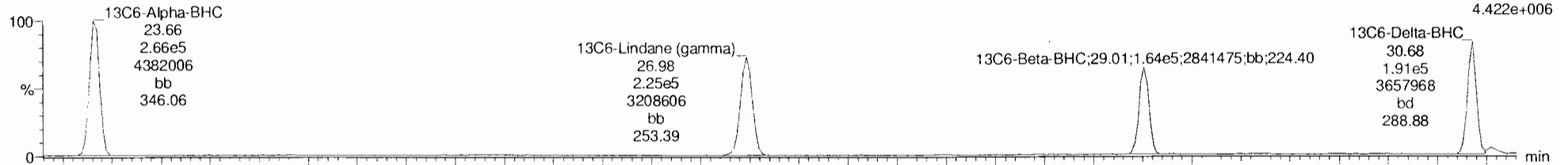
F2:Voltage SIR,EI+
220.9086
2.740e+006



BHC-isotopes

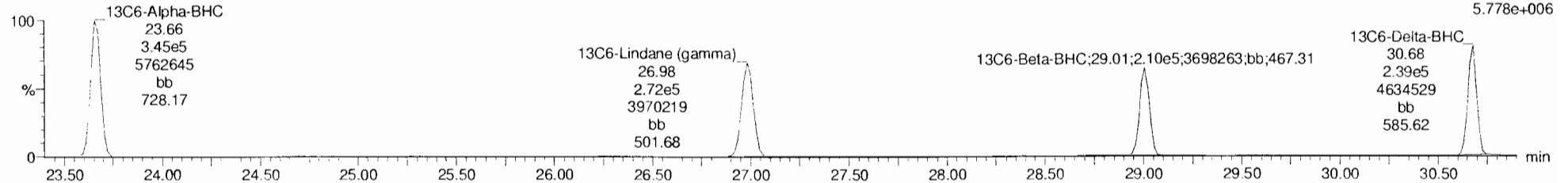
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
222.9346
4.422e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
224.9317
5.778e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

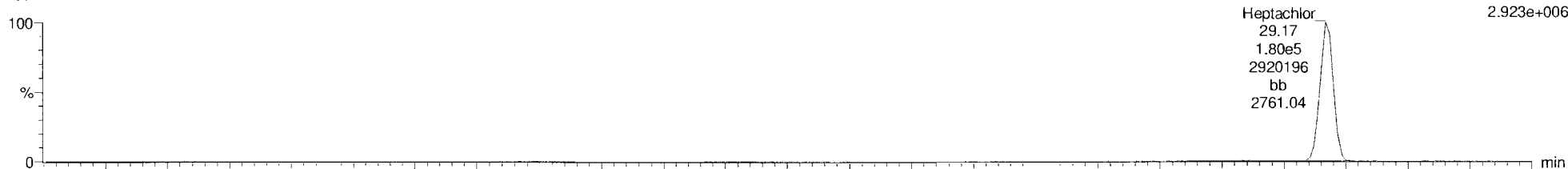
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Heptachlor

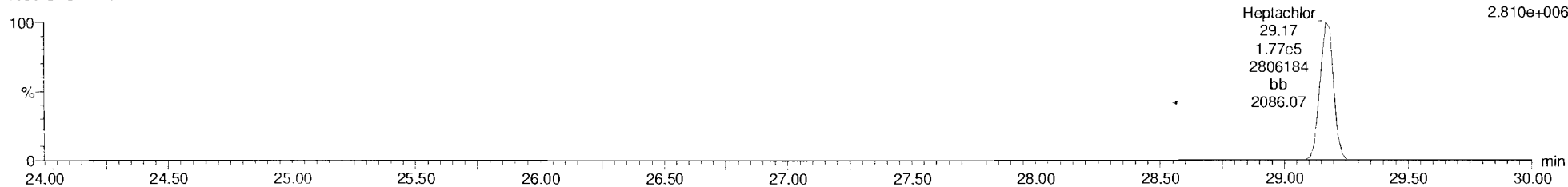
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
271.8102
2.923e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

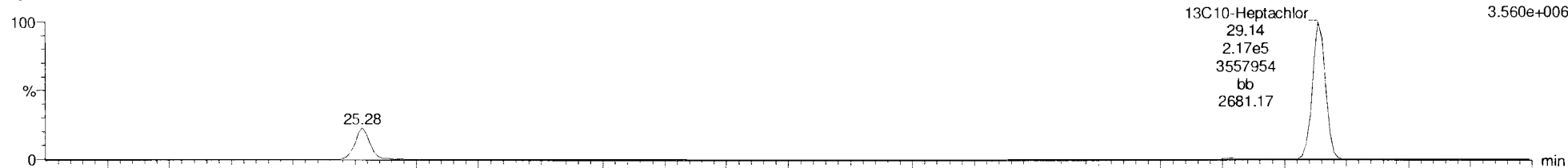
F2:Voltage SIR,EI+
273.8072
2.810e+006



13C10-Heptachlor

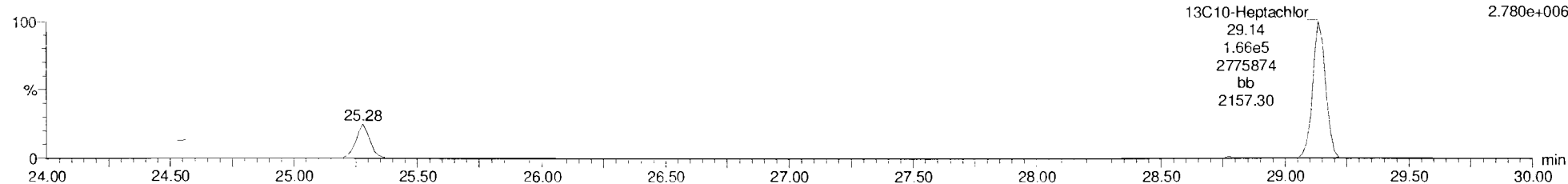
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
276.8269
3.560e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
278.8240
2.780e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

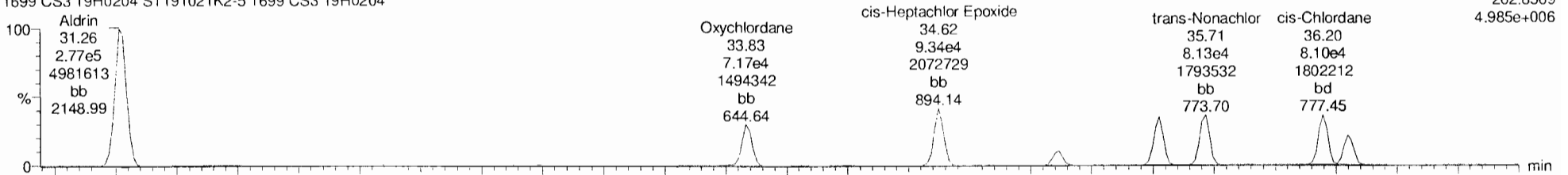
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Aldrin-EI

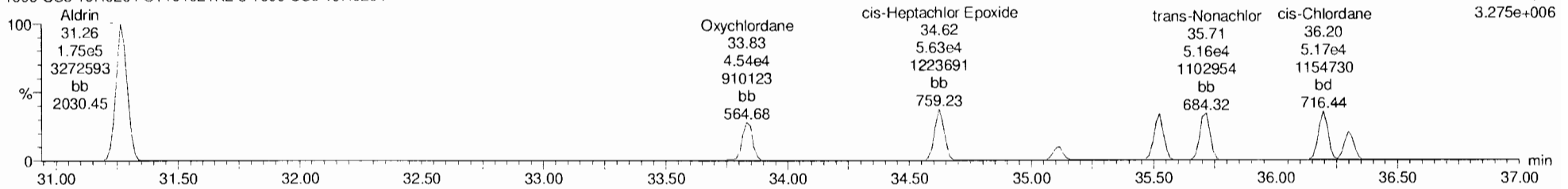
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
262.8569
4.985e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

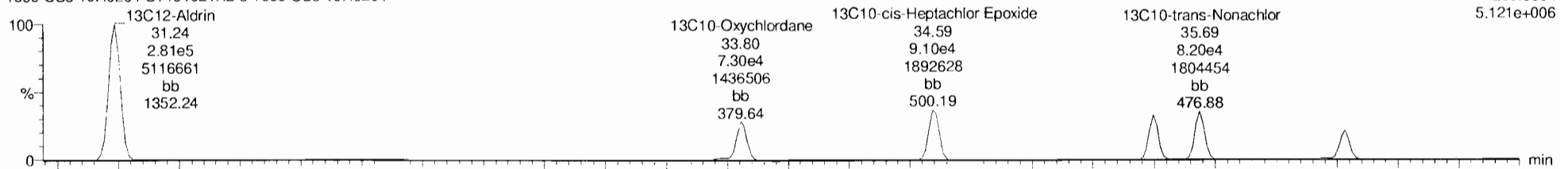
F3:Voltage SIR,EI+
264.8550
3.275e+006



Aldrin-EI-isotopes

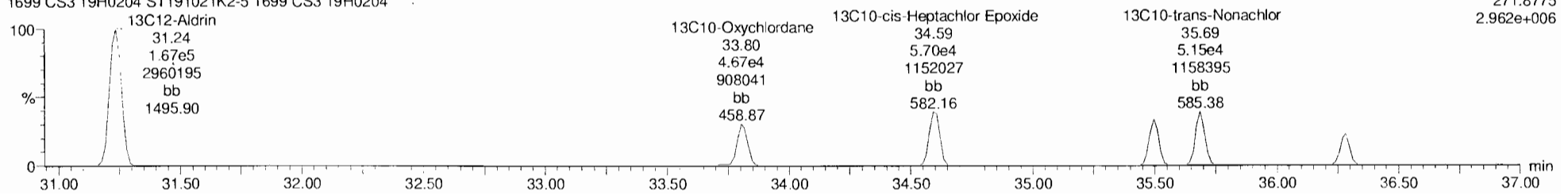
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

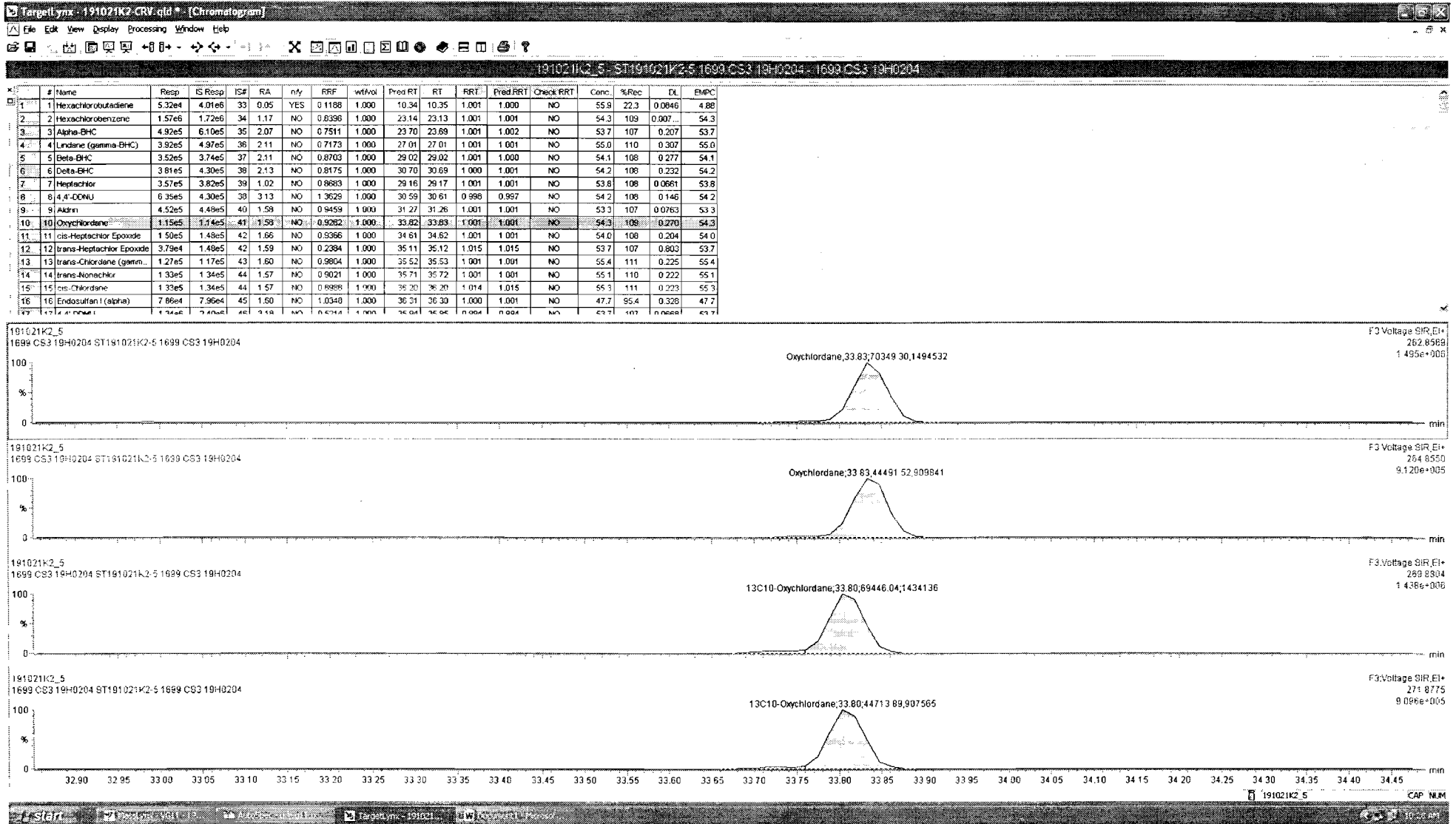
F3:Voltage SIR,EI+
269.8804
5.121e+006

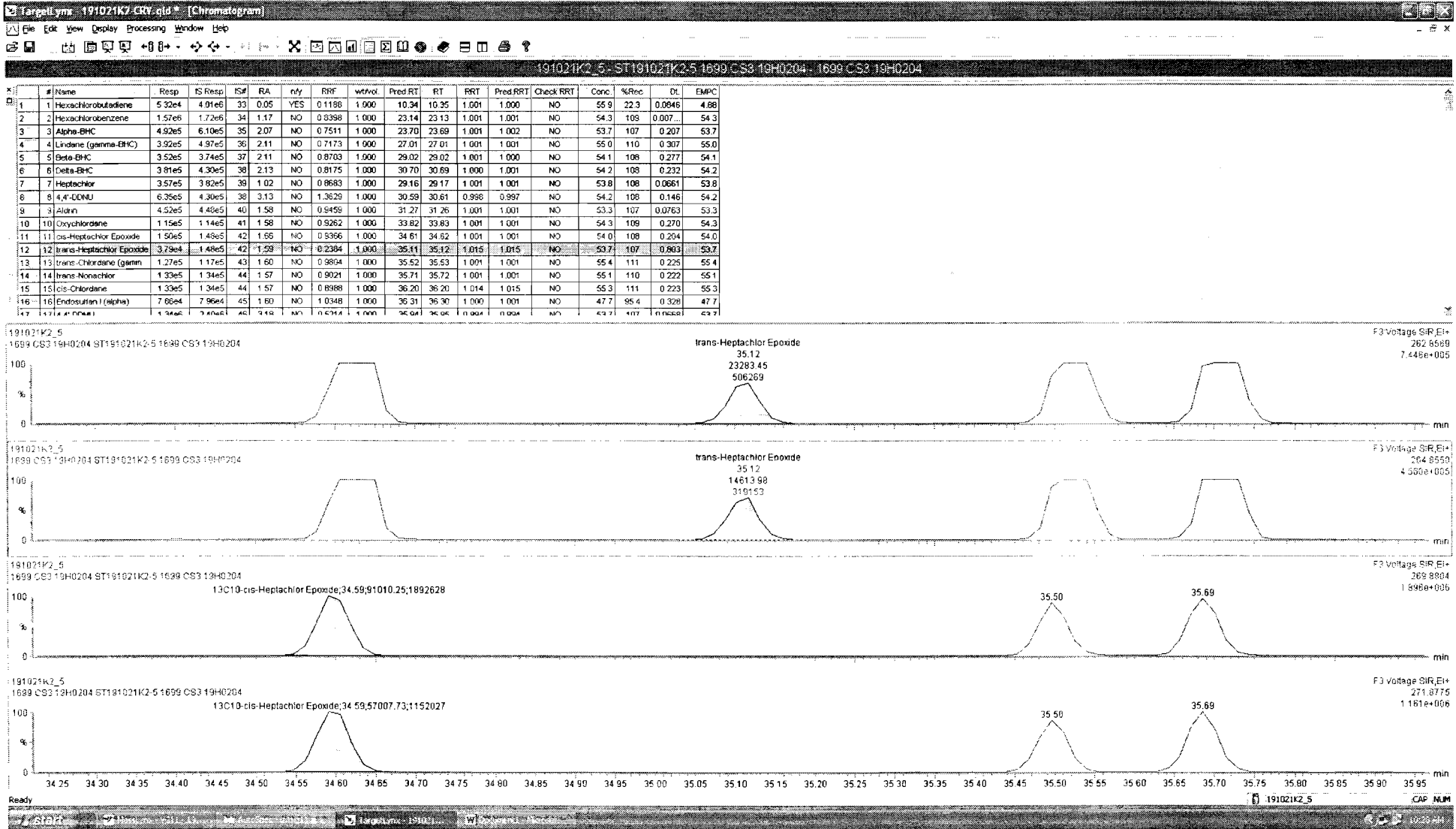


191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
271.8775
2.962e+006







Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

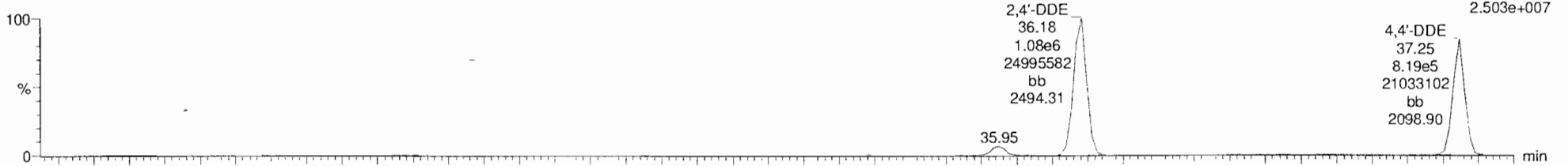
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDMU-DDE

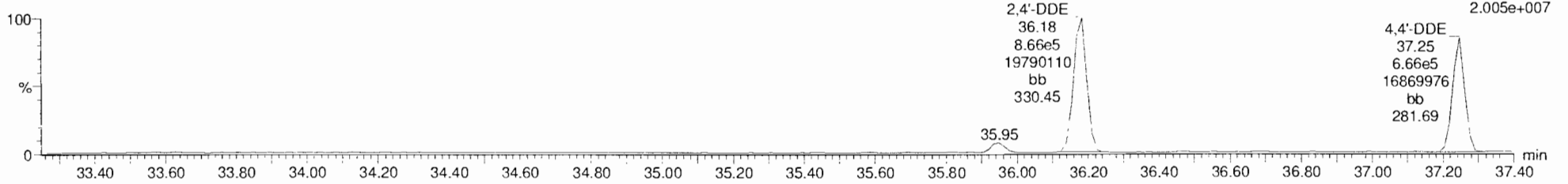
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
246.0003
2.503e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

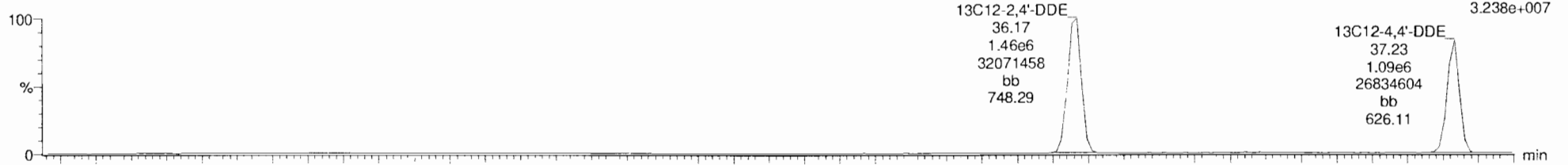
F3:Voltage SIR,EI+
247.9974
2.005e+007



DDE-isotopes

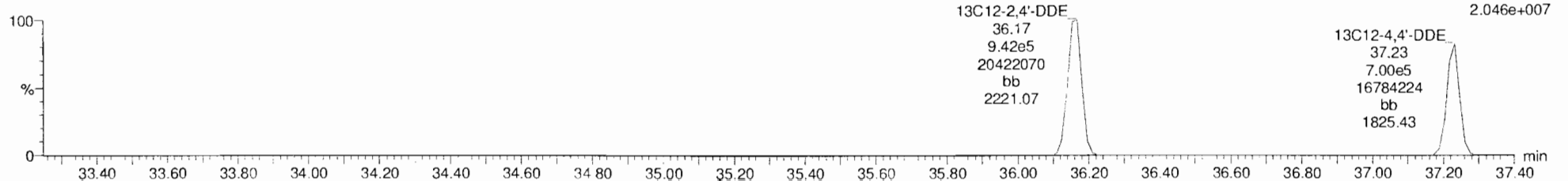
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
258.0406
3.238e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
260.0376
2.046e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

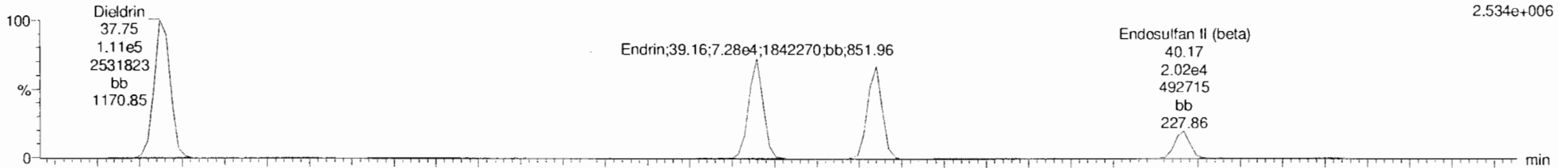
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Dieldrin-EII

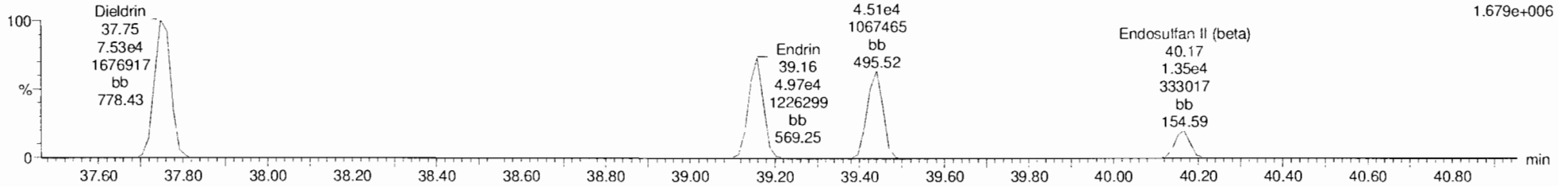
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
262.8569
2.534e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

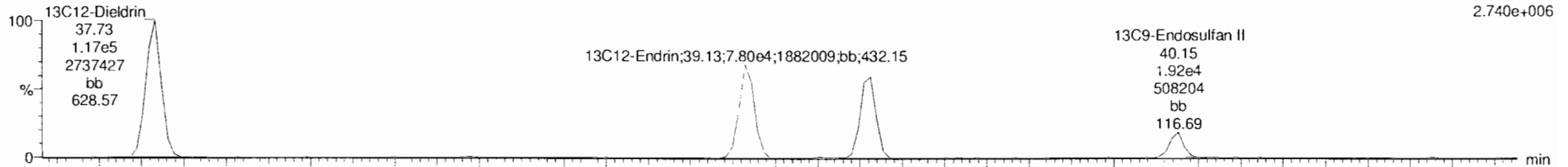
F4:Voltage SIR,EI+
264.8550
1.679e+006



Dieldrin-EII-isotopes

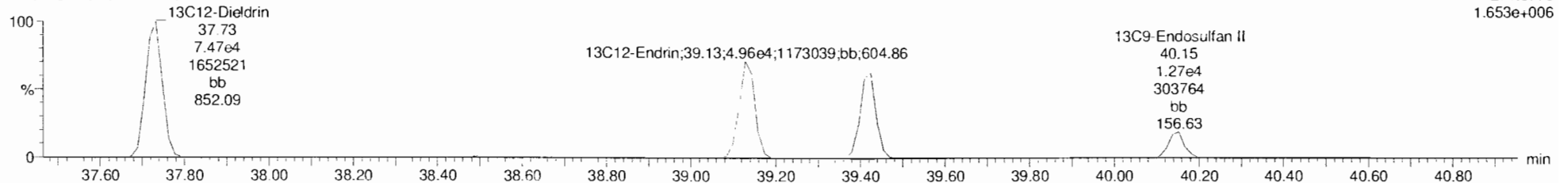
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

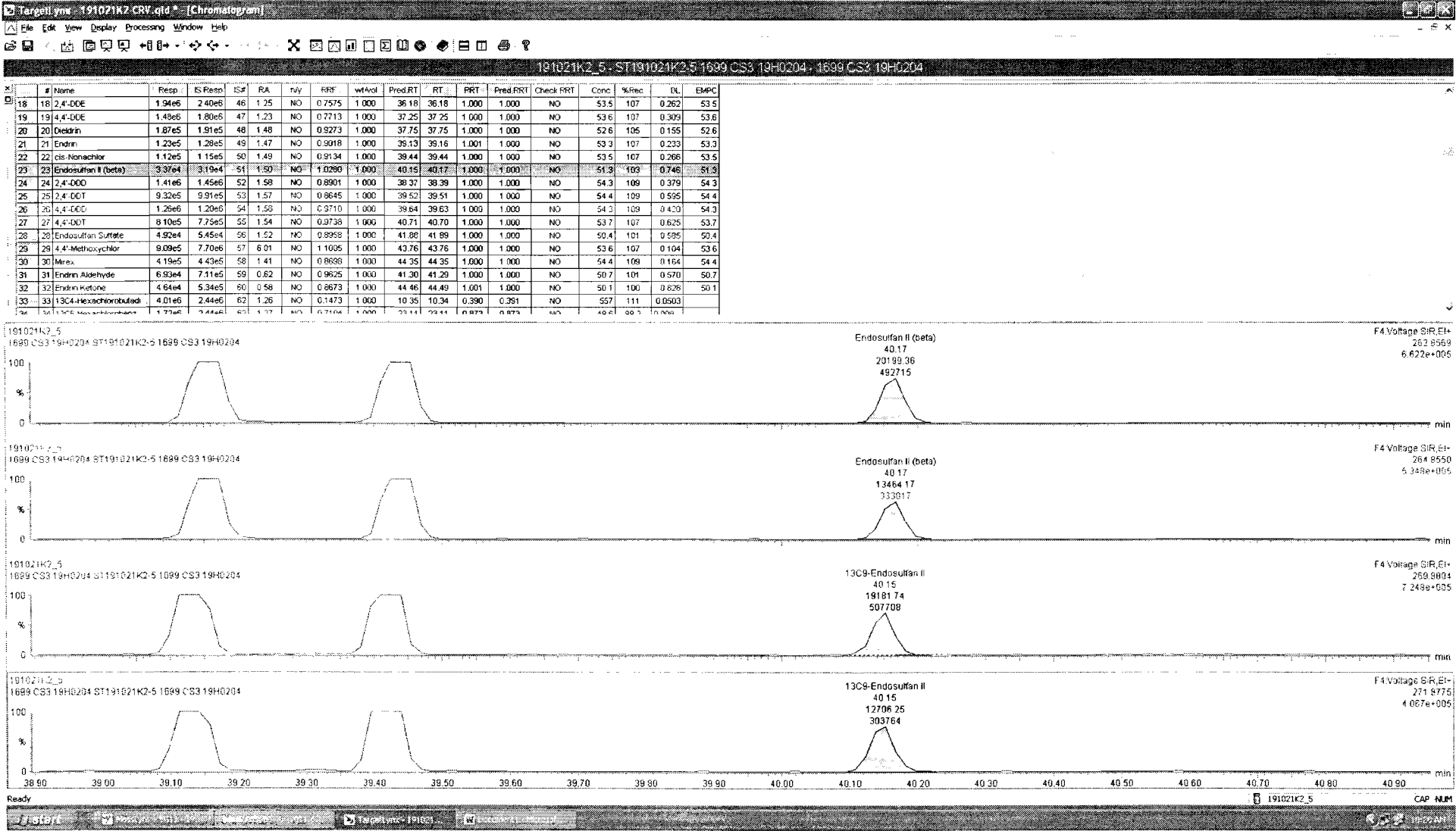
F4:Voltage SIR,EI+
269.8804
2.740e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
271.8775
1.653e+006





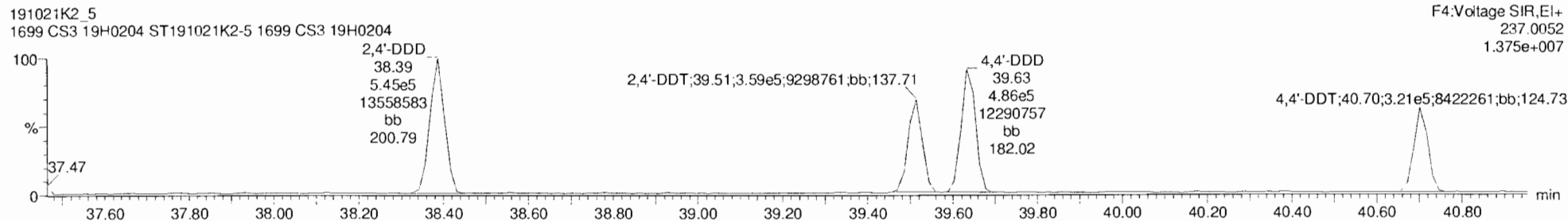
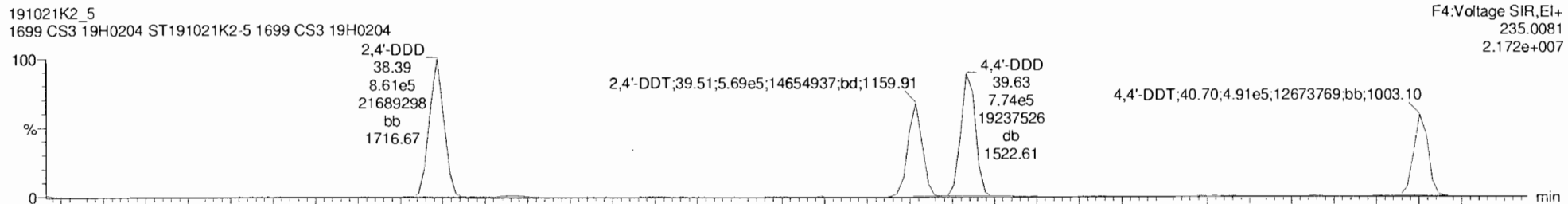
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

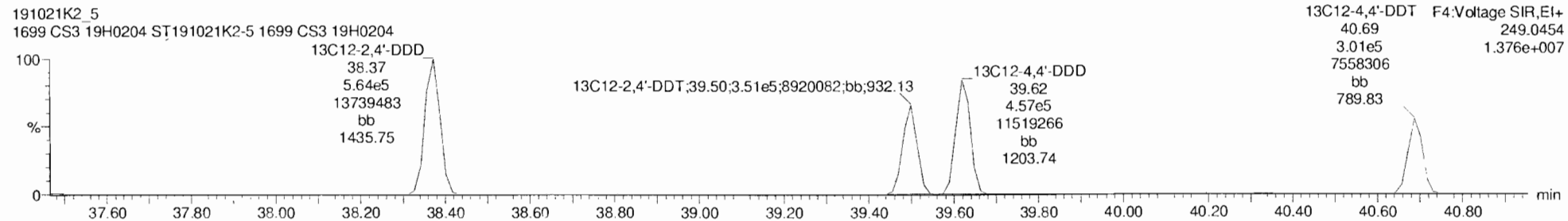
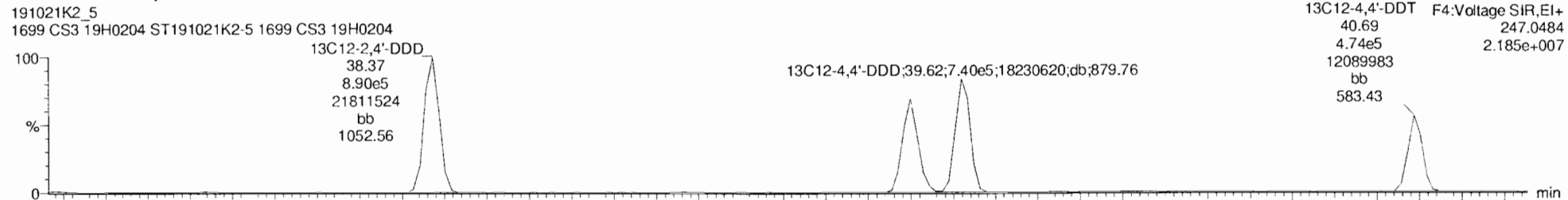
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

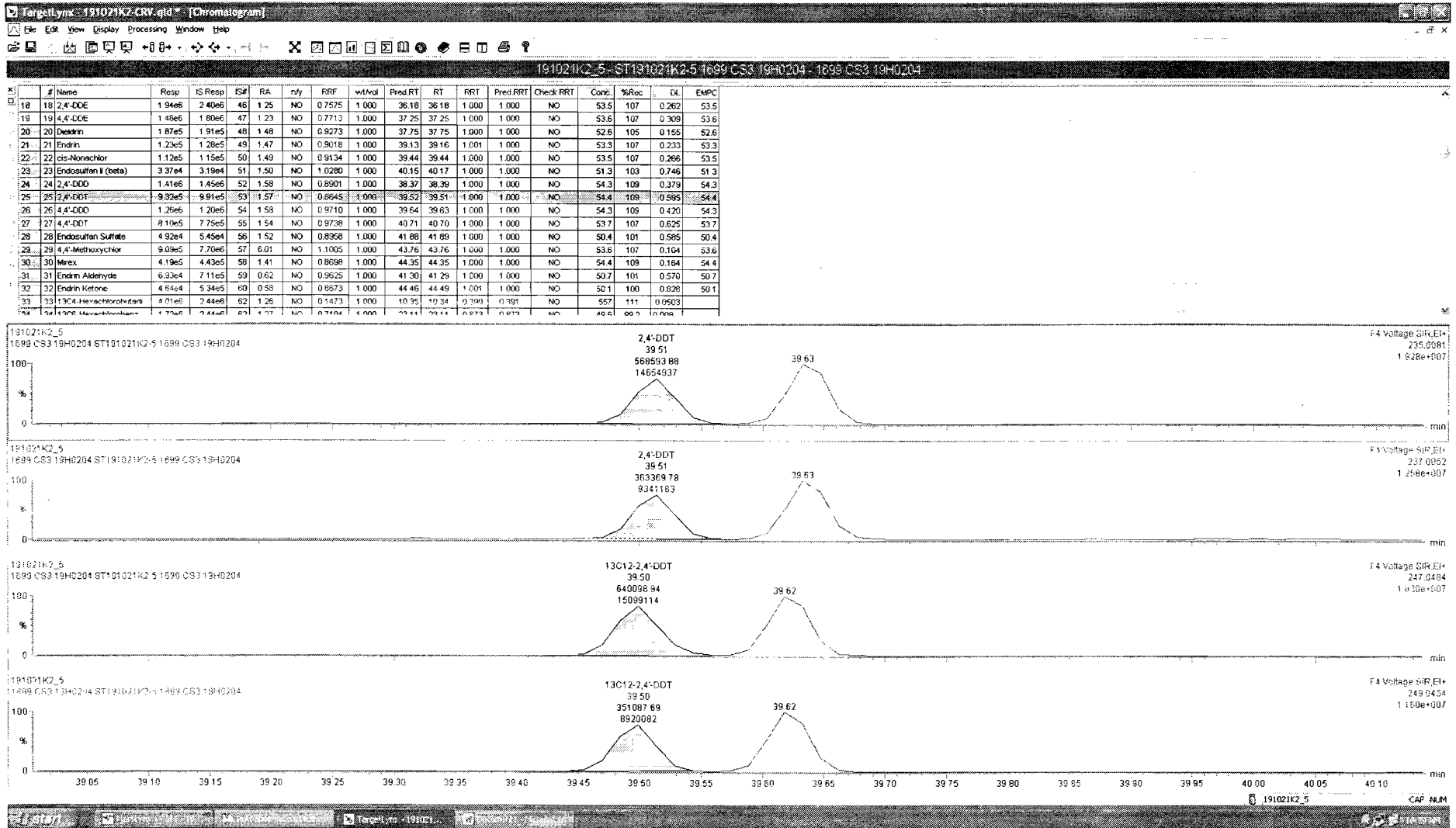
Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

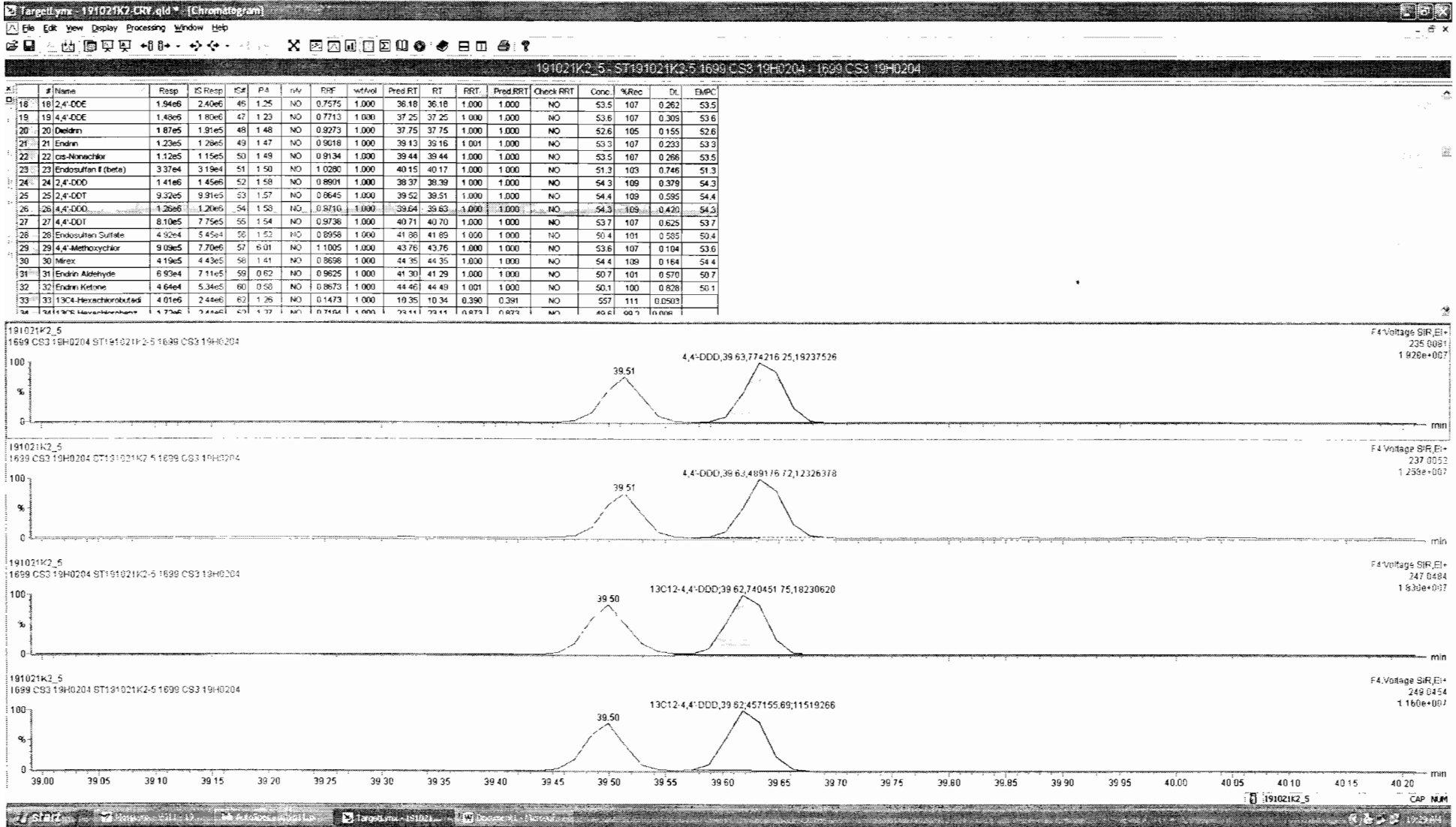
DDD-DDT

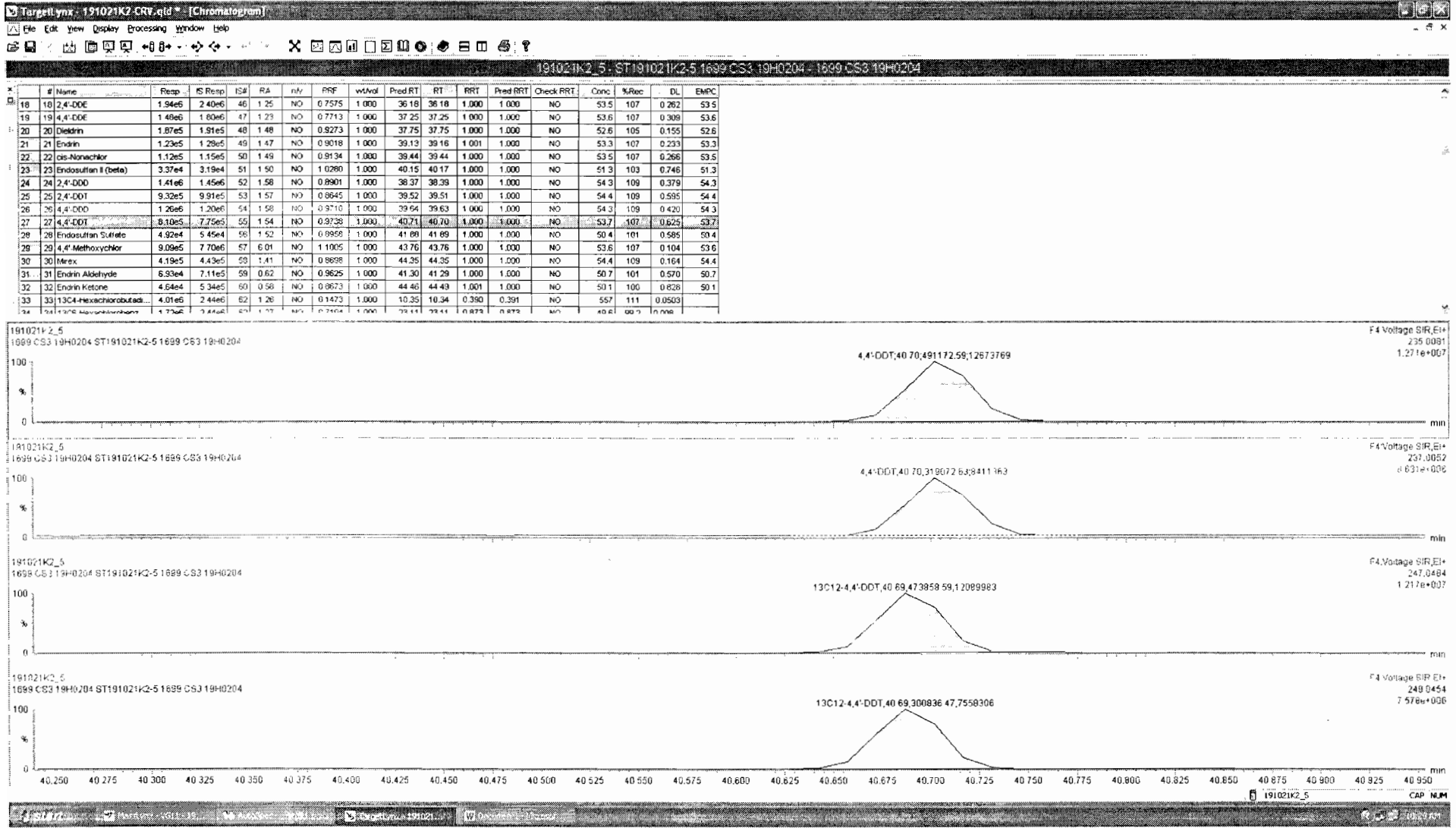


DDD-DDT-isotopes









Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

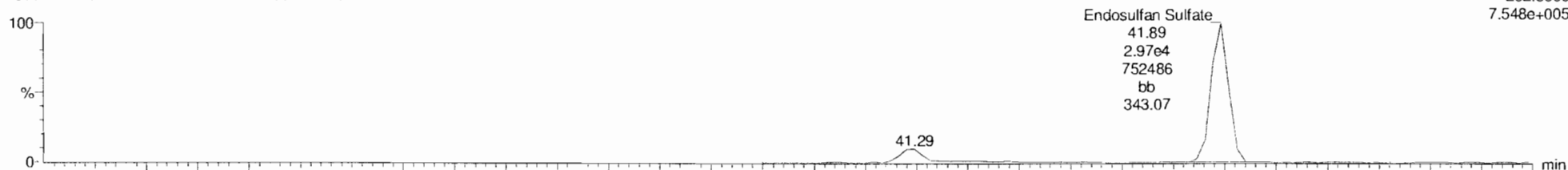
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Endosulfan Sulfate

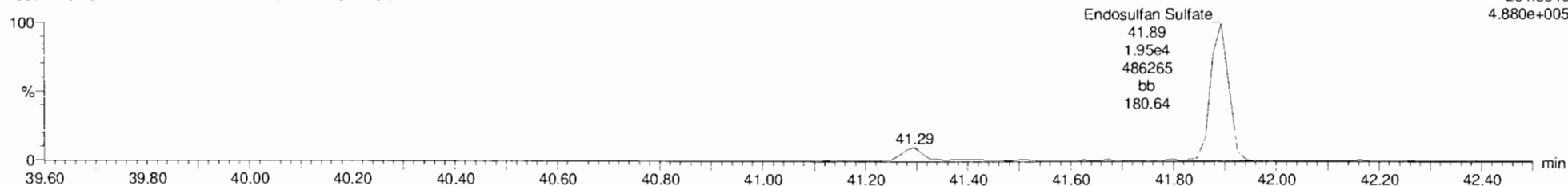
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
262.8569
7.548e+005



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

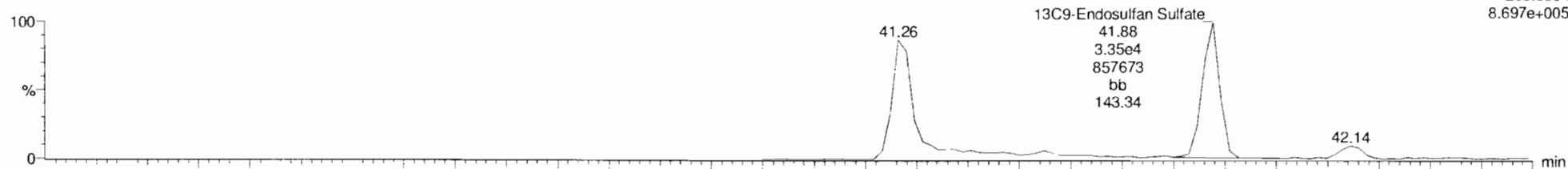
F5:Voltage SIR,EI+
264.8540
4.880e+005



13C9-Endosulfan Sulfate

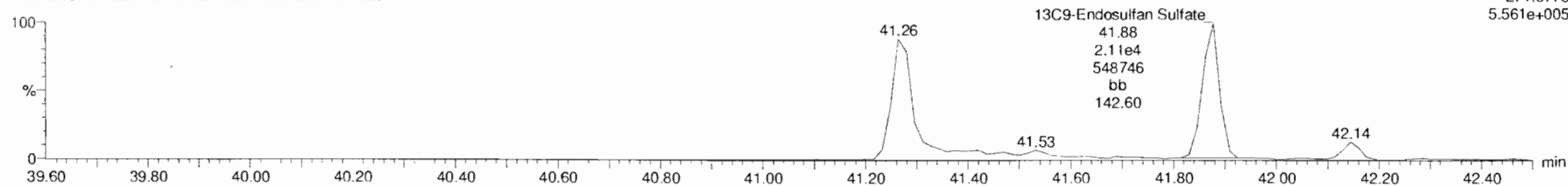
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
269.8804
8.697e+005



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
271.8775
5.561e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

4,4'-Methoxychlor

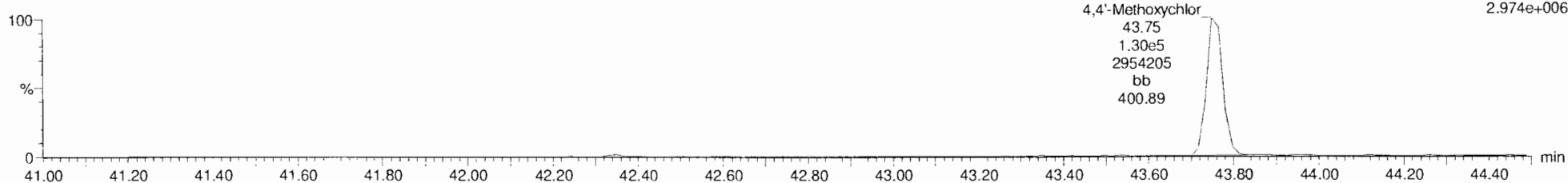
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
227.1072
1.795e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
228.1106
2.974e+006



13C12-Methoxychlor

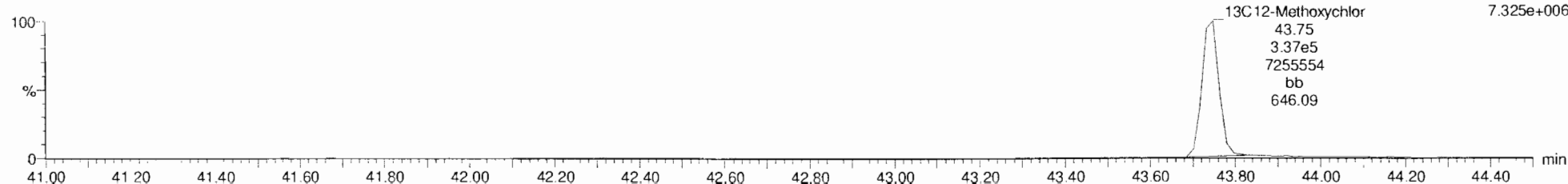
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

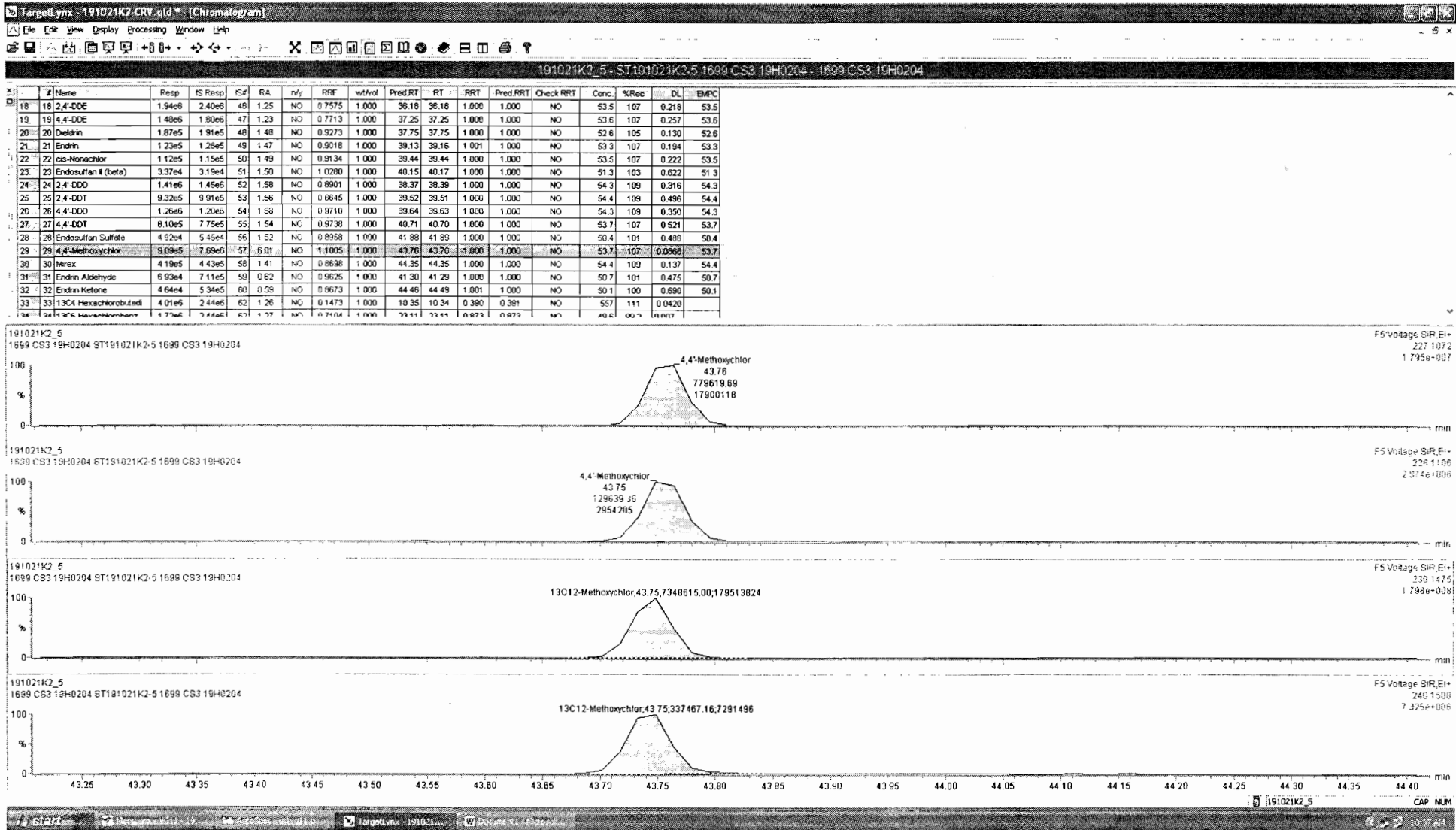
F5:Voltage SIR,EI+
239.1475
1.798e+008



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
240.1508
7.325e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

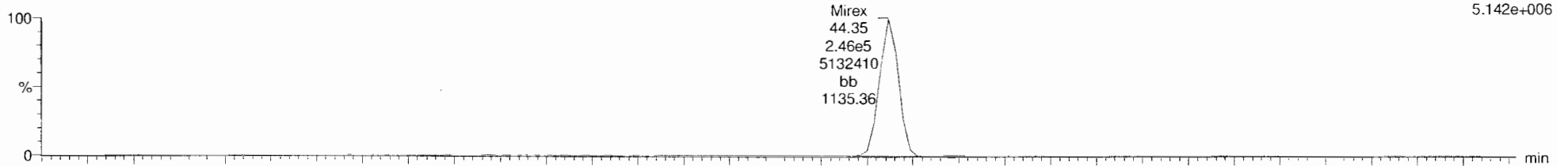
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Mirex

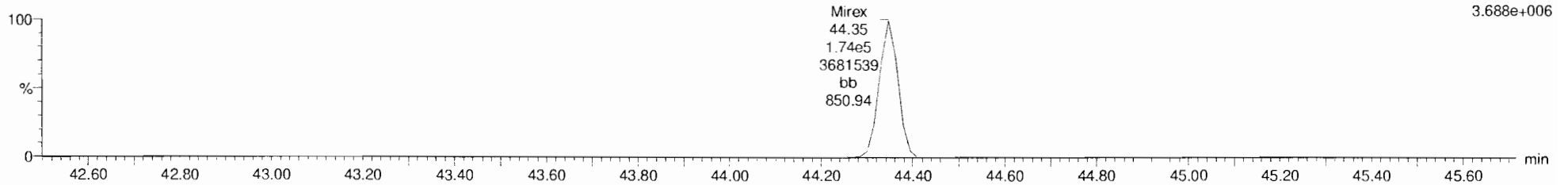
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
236.8413
5.142e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

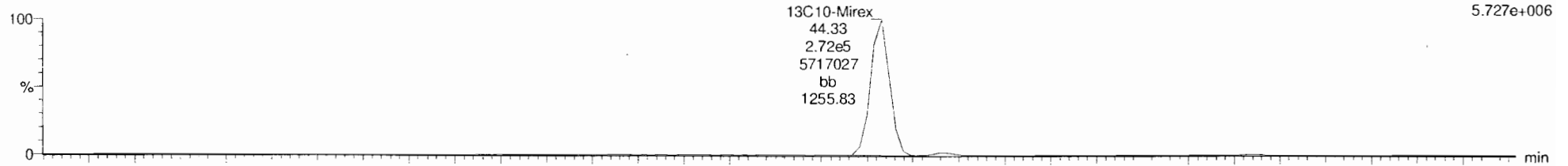
F5:Voltage SIR,EI+
238.8384
3.688e+006



13C10-Mirex

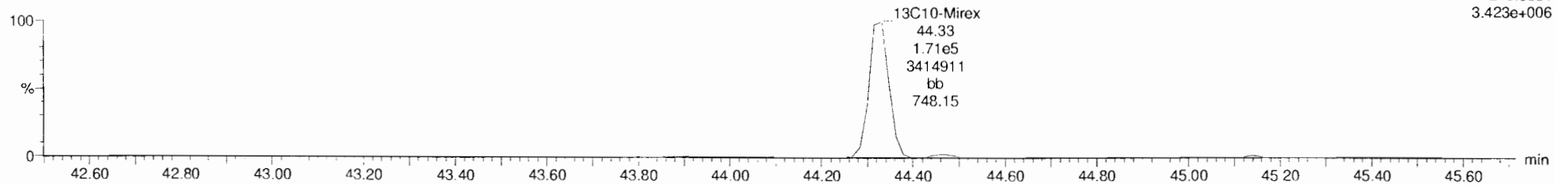
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
241.8581
5.727e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
243.8551
3.423e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

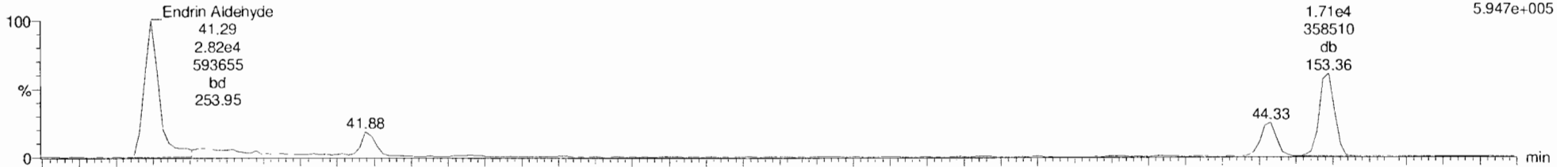
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

EA-EK

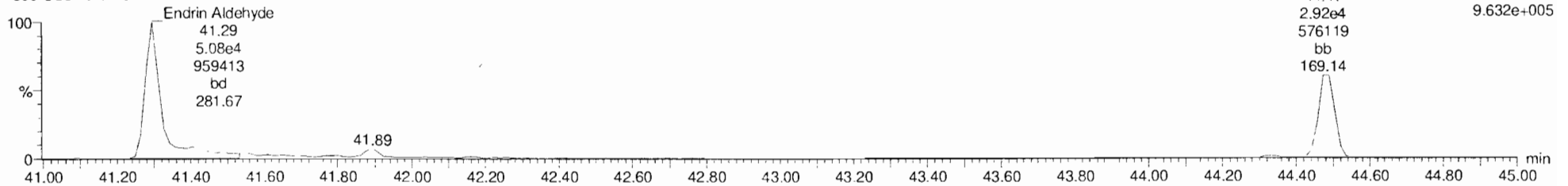
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

Endrin Ketone
44.49
1.71e4
358510
db
153.36
F5:Voltage SIR,EI+
247.8521
5.947e+005



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

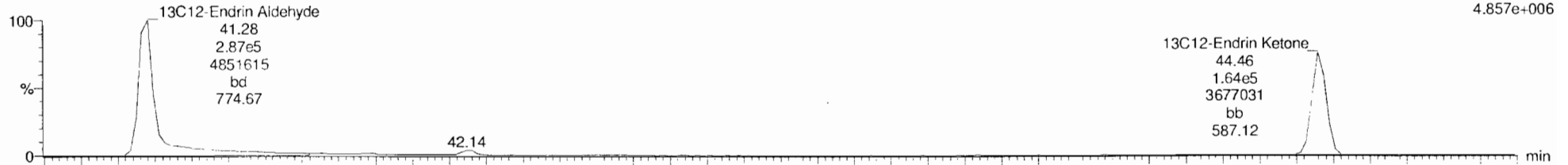
Endrin Ketone
44.47
2.92e4
576119
bb
169.14
F5:Voltage SIR,EI+
249.8491
9.632e+005



EA-EK-isotopes

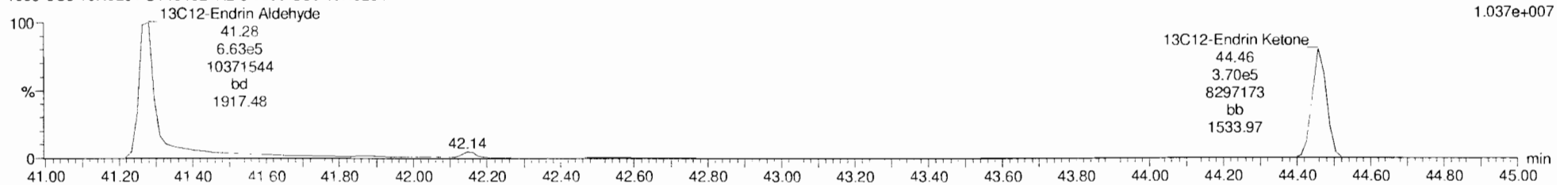
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

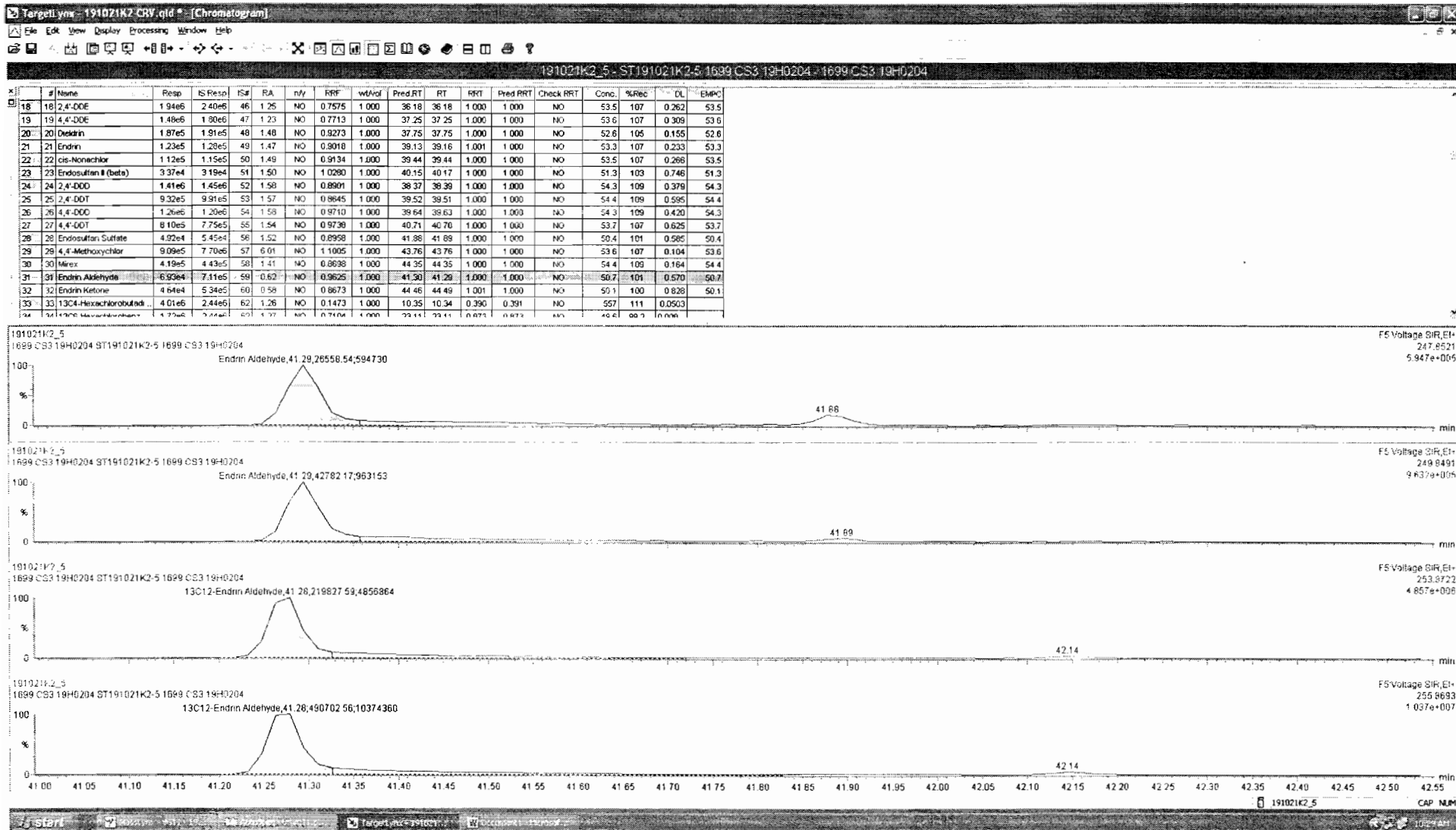
F5:Voltage SIR,EI+
253.8722
4.857e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
255.8693
1.037e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

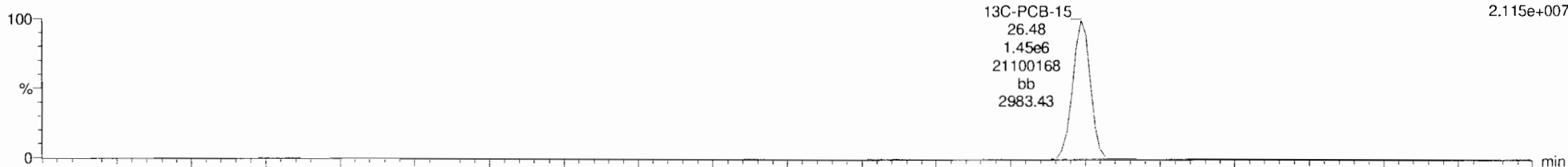
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-15

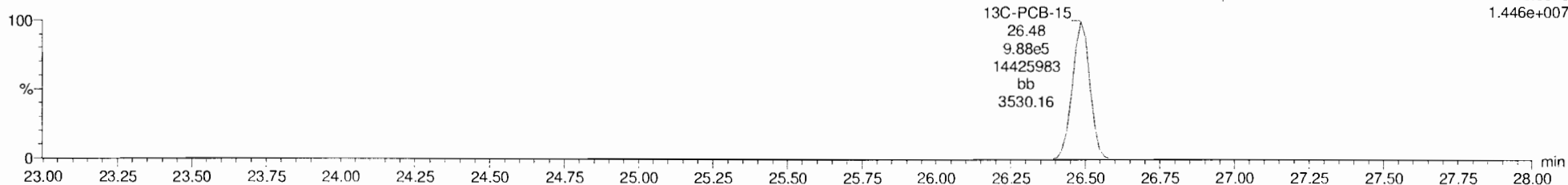
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
234.0406
2.115e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

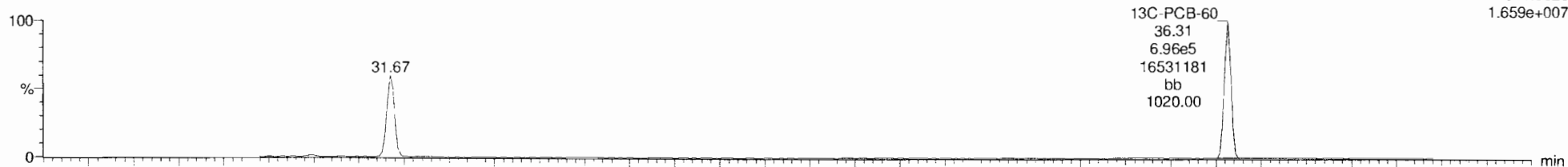
F2:Voltage SIR,EI+
236.0376
1.446e+007



13C-PCB-60

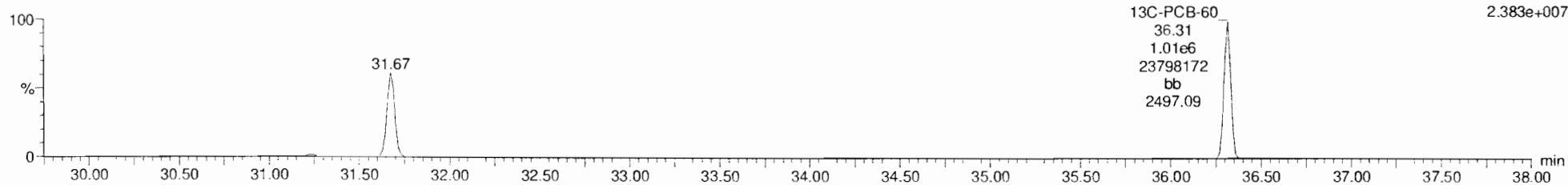
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
301.9626
1.659e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
303.9597
2.383e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

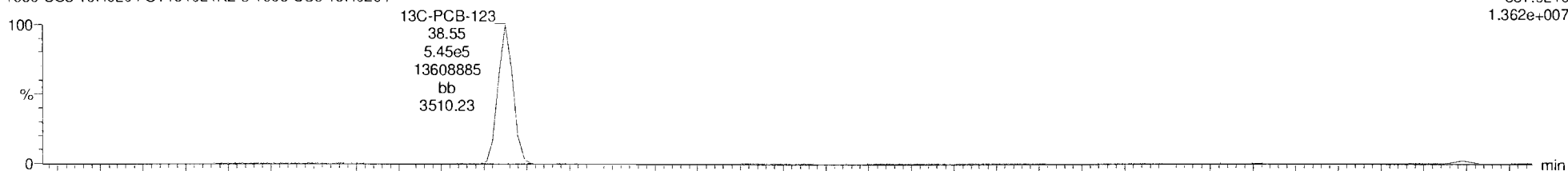
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-123

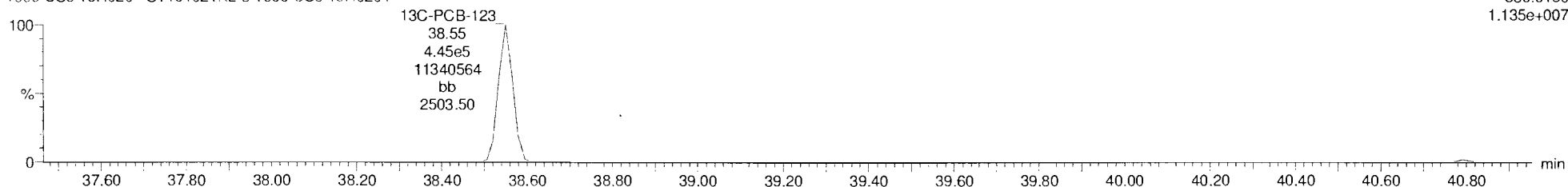
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
337.9210
1.362e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

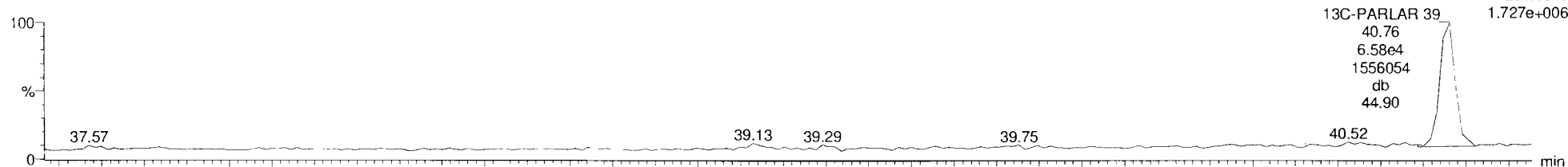
F4:Voltage SIR,EI+
339.9180
1.135e+007



13C-PARLAR 39

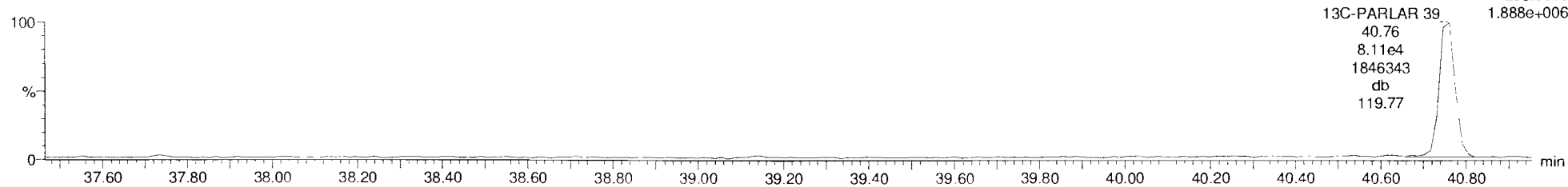
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
251.9648
1.727e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
253.9619
1.888e+006



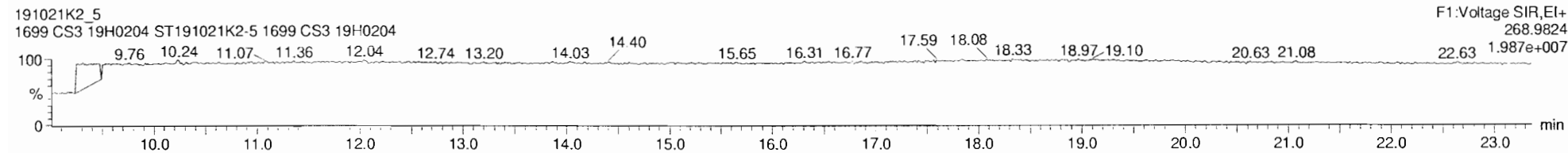
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

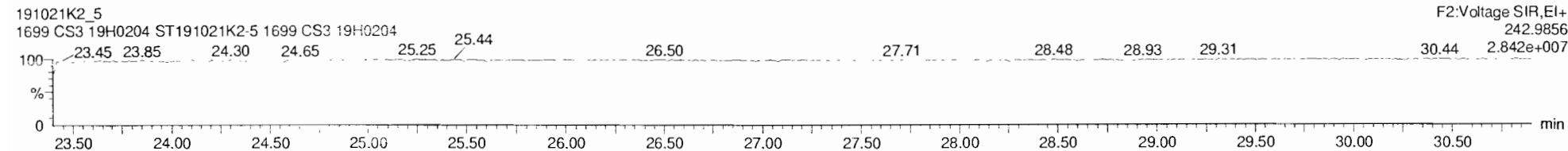
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

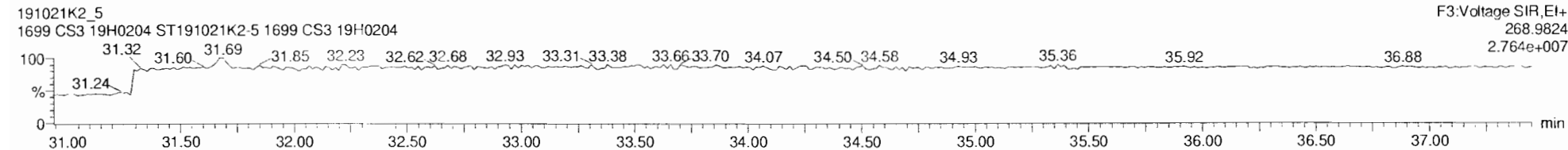
PFK1



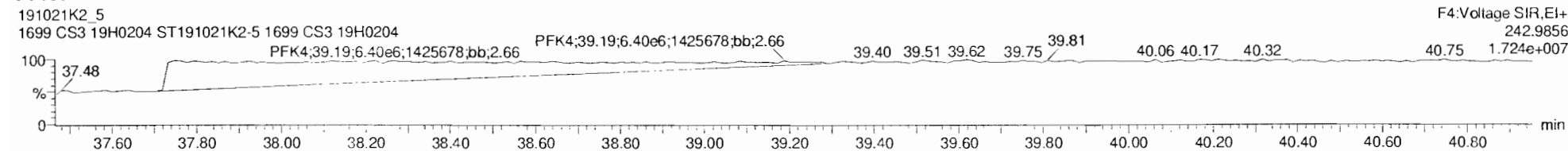
PFK2



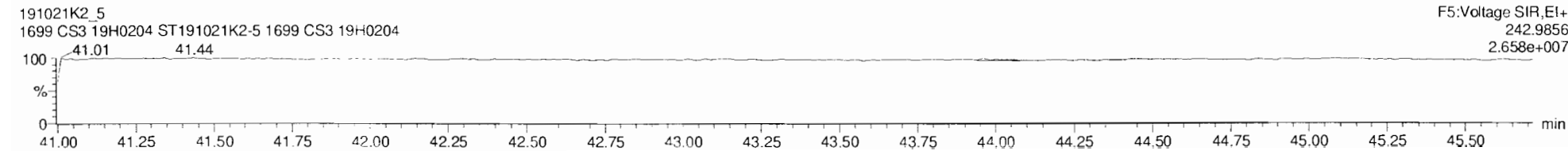
PFK3



PFK4



PFK5



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Hexachlorobenzene

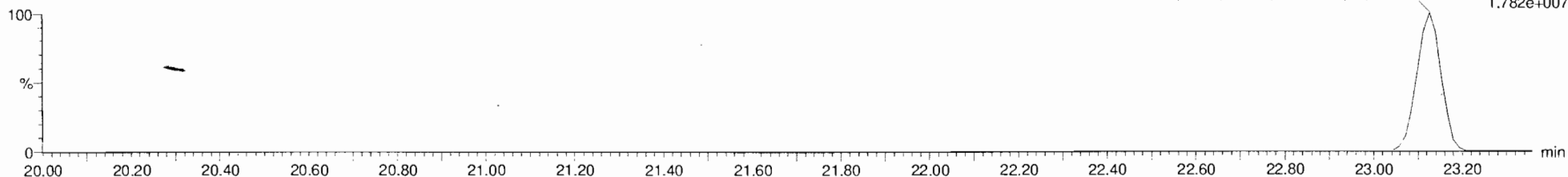
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F1:Voltage SIR,EI+
Hexachlorobenzene;23.13;1.29e6;20280386;bb;37754.29
283.8102
2.030e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F1:Voltage SIR,EI+
Hexachlorobenzene;23.13;1.11e6;17797592;bb;24175.17
285.8072
1.782e+007



13C6-Hexachlorobenzene

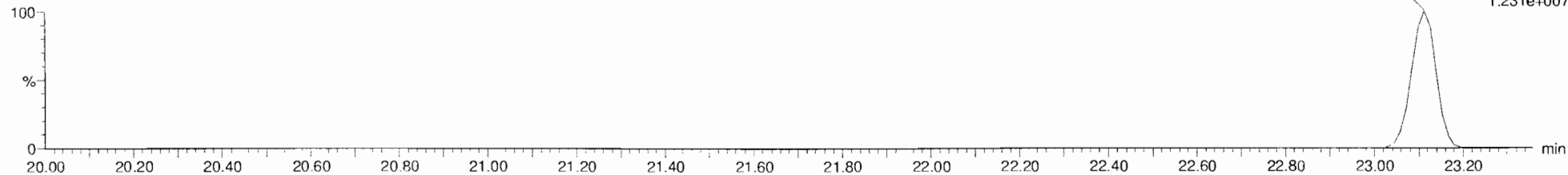
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F1:Voltage SIR,EI+
13C6-Hexachlorobenzene;23.11;9.90e5;15629528;bb;18697.29
289.8303
1.565e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F1:Voltage SIR,EI+
13C6-Hexachlorobenzene;23.11;7.81e5;12302677;bb;14808.67
291.8273
1.231e+007



Dataset: Untitled

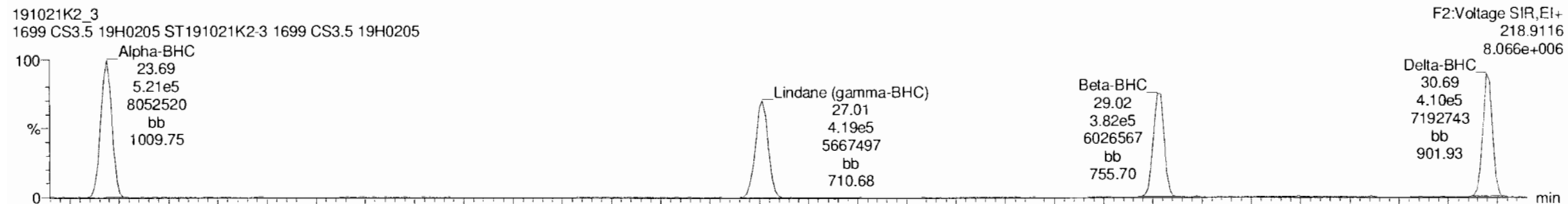
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

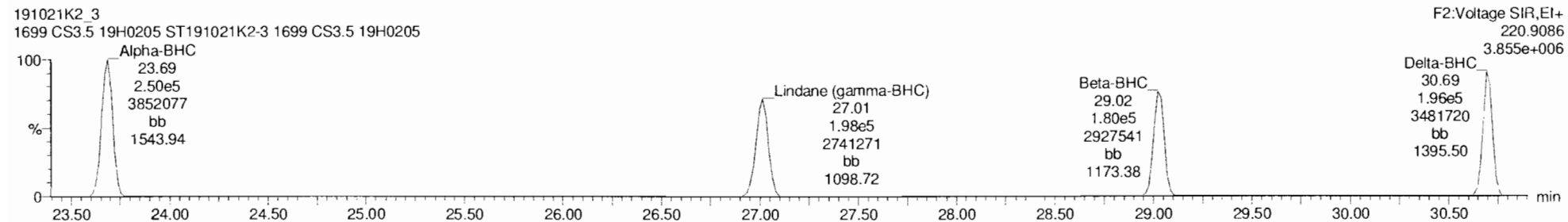
Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

BHC Totals

191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

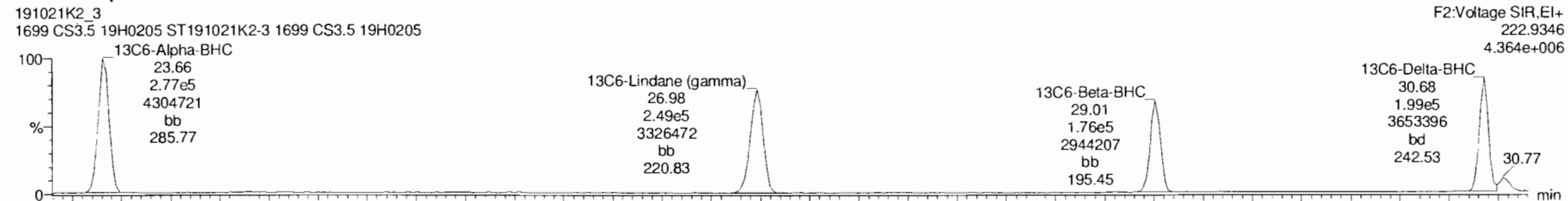


191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

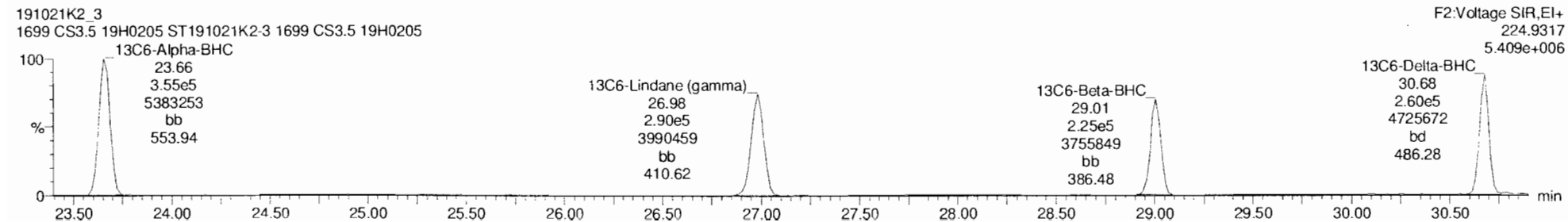


BHC-isotopes

191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Heptachlor

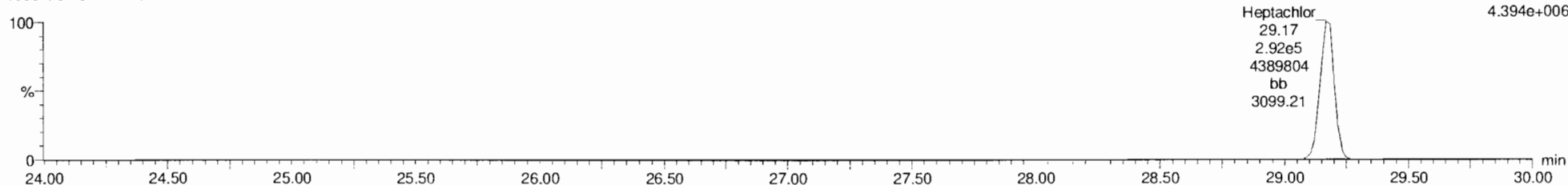
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
271.8102
4.548e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

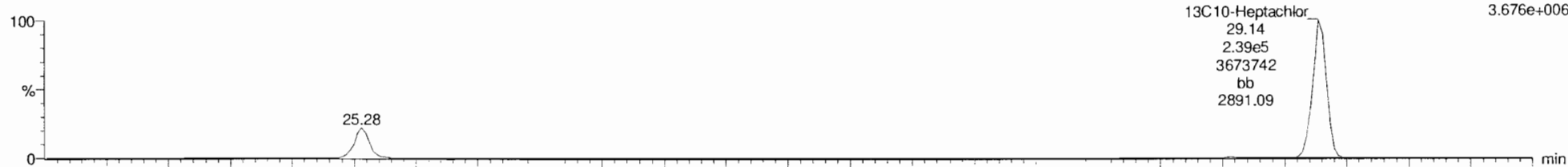
F2:Voltage SIR,EI+
273.8072
4.394e+006



13C10-Heptachlor

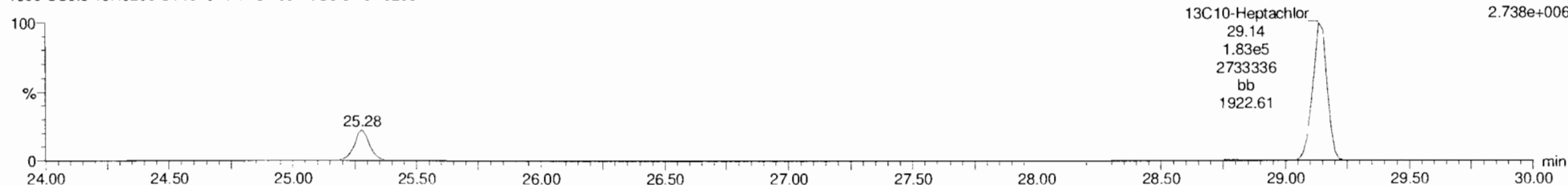
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
276.8269
3.676e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
278.8240
2.738e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

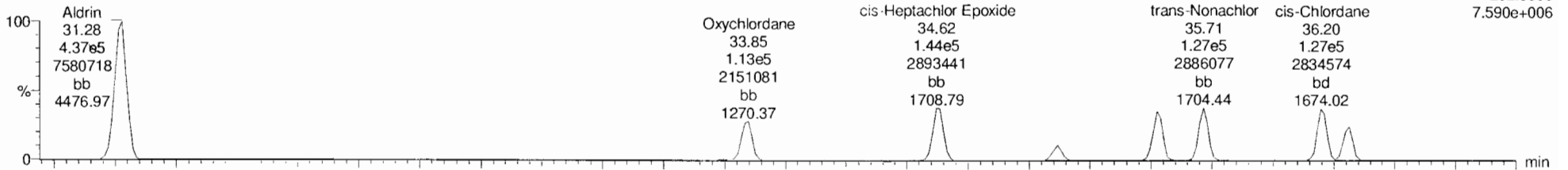
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Aldrin-EI

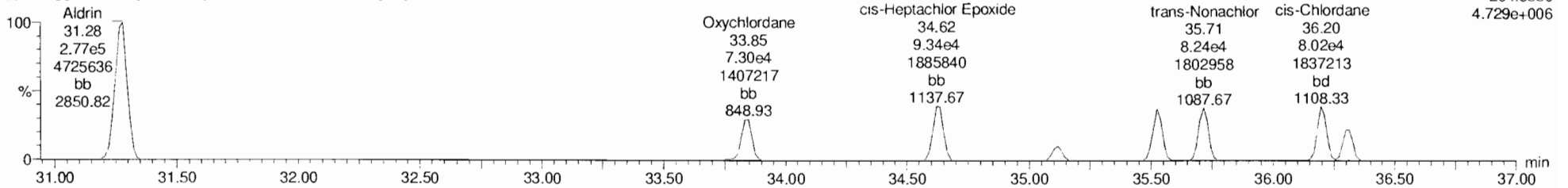
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
262.8569
7.590e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

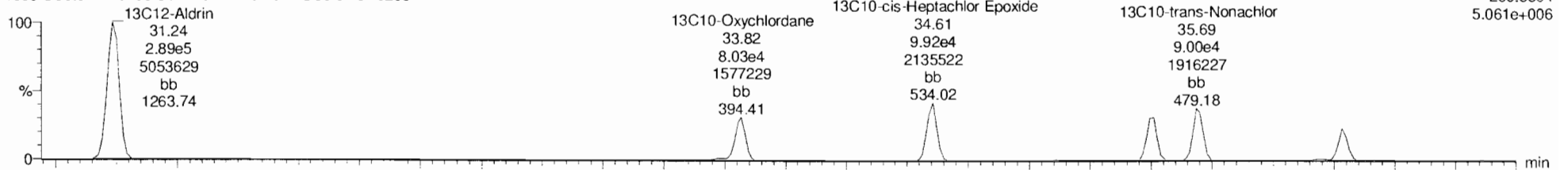
F3:Voltage SIR,EI+
264.8550
4.729e+006



Aldrin-EI-isotopes

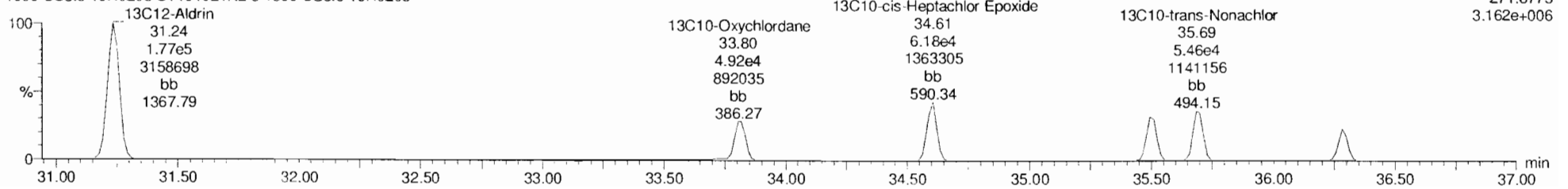
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
269.8804
5.061e+006

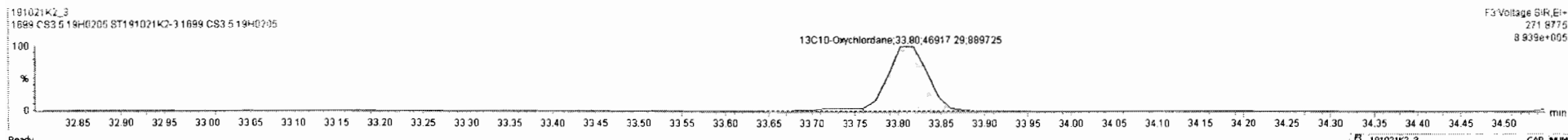
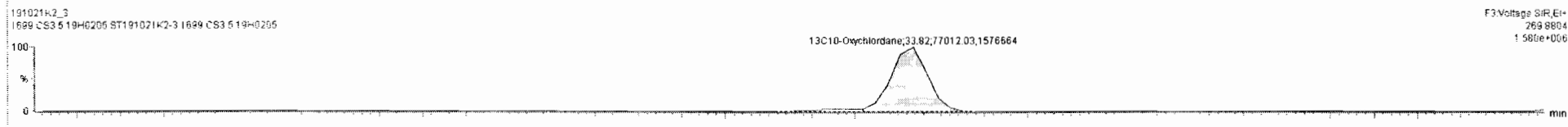
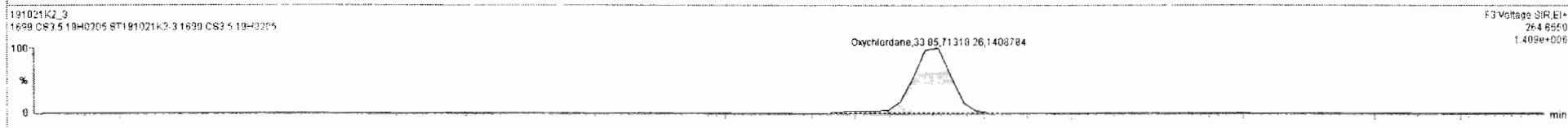
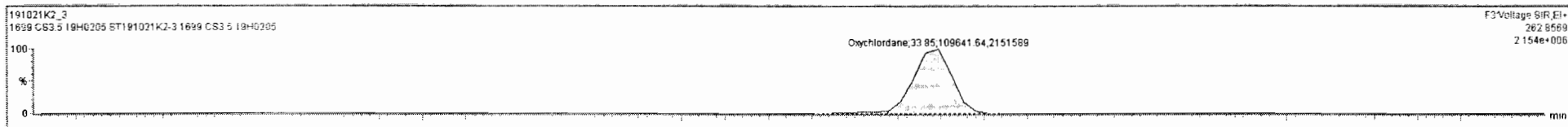


191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
271.8775
3.162e+006



| # | Name | Resp | IS Resp | IS# | RA | n/y | RRF... | wtAveI | Pred RT | RT | PRT | Pred PRT | Check PRT | Conc. | %Rec | DL | EMPC |
|----|--------------------------|--------|---------|-----|------|-----|--------|--------|---------|-------|-------|----------|-----------|-------|------|--------|------|
| 1 | Hexachlorobutadiene | 5.62e4 | 3.96e6 | 33 | 0.04 | YES | 0.1188 | 1.000 | 10.34 | 10.35 | 1.001 | 1.000 | NO | 59.8 | 12.0 | 0.0979 | 4.10 |
| 2 | Hexachlorobenzene | 2.41e6 | 1.77e6 | 34 | 1.16 | NO | 0.8398 | 1.000 | 23.14 | 23.13 | 1.001 | 1.001 | NO | 80.9 | 80.9 | 0.008 | 80.9 |
| 3 | Alpha-EHC | 7.71e5 | 6.32e5 | 35 | 2.09 | NO | 0.7511 | 1.000 | 23.70 | 23.69 | 1.001 | 1.002 | NO | 81.2 | 81.2 | 0.213 | 81.2 |
| 4 | Lindene (gamma-EHC) | 6.18e5 | 5.39e5 | 36 | 2.11 | NO | 0.7173 | 1.000 | 27.01 | 27.01 | 1.001 | 1.001 | NO | 79.9 | 79.9 | 0.304 | 79.9 |
| 5 | Beta-EHC | 5.62e5 | 4.01e5 | 37 | 2.12 | NO | 0.8703 | 1.000 | 29.02 | 29.02 | 1.001 | 1.000 | NO | 80.5 | 80.5 | 0.269 | 80.5 |
| 6 | Delta-EHC | 6.09e5 | 4.59e5 | 38 | 2.09 | NO | 0.8175 | 1.000 | 30.70 | 30.69 | 1.000 | 1.001 | NO | 80.7 | 80.7 | 0.228 | 80.7 |
| 7 | Heptachlor | 5.93e5 | 4.22e5 | 39 | 1.03 | NO | 0.8683 | 1.000 | 29.16 | 29.17 | 1.001 | 1.001 | NO | 81.0 | 81.0 | 0.0665 | 81.0 |
| 8 | 4,4'-DDNU | 1.01e6 | 4.58e5 | 33 | 3.13 | NO | 1.3629 | 1.000 | 30.53 | 30.61 | 0.998 | 0.997 | NO | 80.9 | 80.9 | 0.165 | 80.9 |
| 9 | Alarin | 7.14e5 | 4.66e5 | 40 | 1.57 | NO | 0.9459 | 1.000 | 31.27 | 31.28 | 1.001 | 1.001 | NO | 80.9 | 80.9 | 0.0652 | 80.9 |
| 10 | Oxychlorane | 1.81e5 | 1.24e5 | 41 | 1.54 | NO | 0.8262 | 1.000 | 33.84 | 33.85 | 1.001 | 1.001 | NO | 78.8 | 78.8 | 0.214 | 78.8 |
| 11 | cis-Heptachlor Epoxide | 2.38e5 | 1.61e5 | 42 | 1.54 | NO | 0.8366 | 1.000 | 34.63 | 34.62 | 1.000 | 1.001 | NO | 78.8 | 78.8 | 0.155 | 78.8 |
| 12 | trans-Heptachlor Epoxide | 5.87e4 | 1.61e5 | 42 | 1.59 | NO | 0.2384 | 1.000 | 35.12 | 35.12 | 1.015 | 1.015 | NO | 76.5 | 76.5 | 0.608 | 76.5 |
| 13 | trans-Chlordane (gam) | 2.02e5 | 1.27e5 | 43 | 1.56 | NO | 0.9804 | 1.000 | 35.53 | 35.53 | 1.000 | 1.001 | NO | 81.1 | 81.1 | 0.198 | 81.1 |
| 14 | trans-Nonachlor | 2.09e5 | 1.45e5 | 44 | 1.54 | NO | 0.9021 | 1.000 | 35.71 | 35.72 | 1.001 | 1.001 | NO | 80.3 | 80.3 | 0.181 | 80.3 |
| 15 | cis-Chlordane | 2.07e5 | 1.45e5 | 44 | 1.58 | NO | 0.8988 | 1.000 | 36.20 | 36.20 | 1.014 | 1.015 | NO | 79.8 | 79.8 | 0.182 | 79.8 |
| 16 | Endosulfan I (alpha) | 1.31e5 | 8.43e4 | 45 | 1.61 | NO | 1.0348 | 1.000 | 36.31 | 36.31 | 1.001 | 1.001 | NO | 75.1 | 75.1 | 0.256 | 75.1 |



Dataset: Untitled

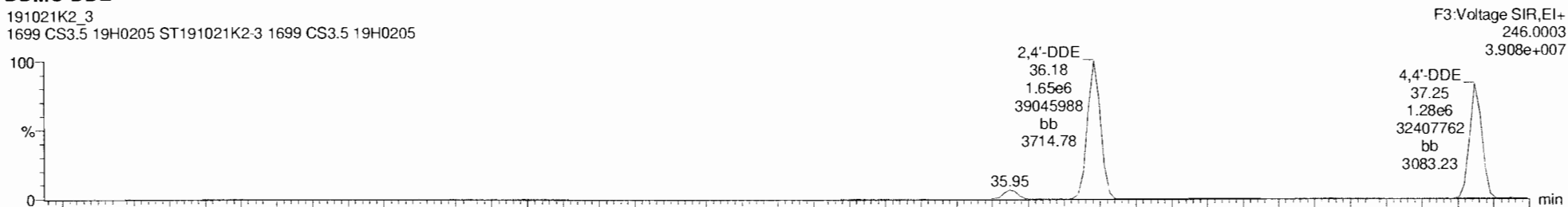
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

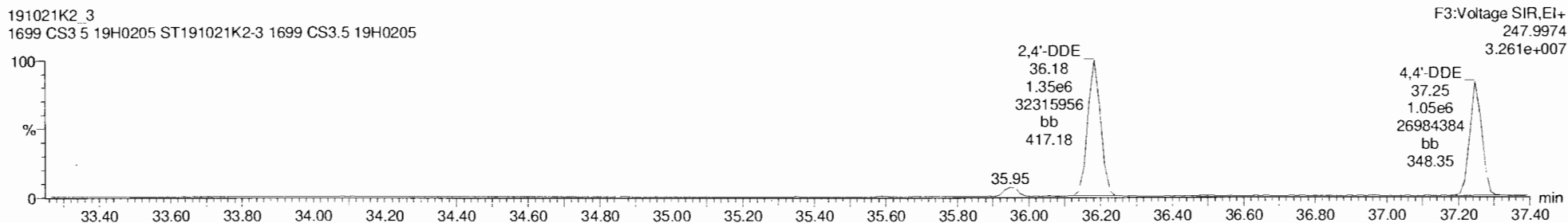
Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

DDMU-DDE

191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

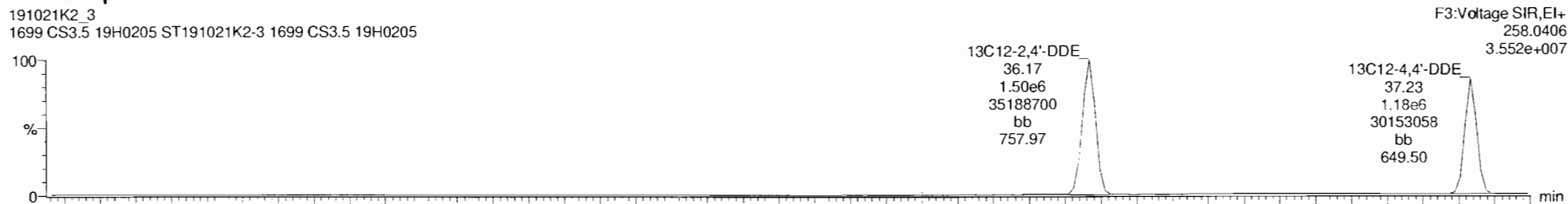


191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

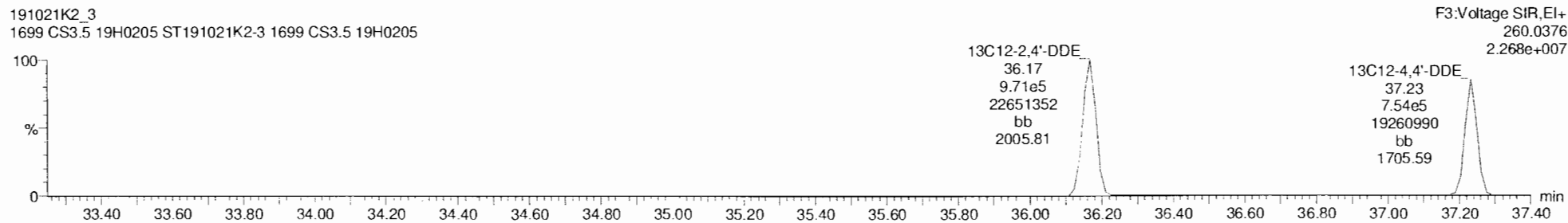


DDE-isotopes

191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

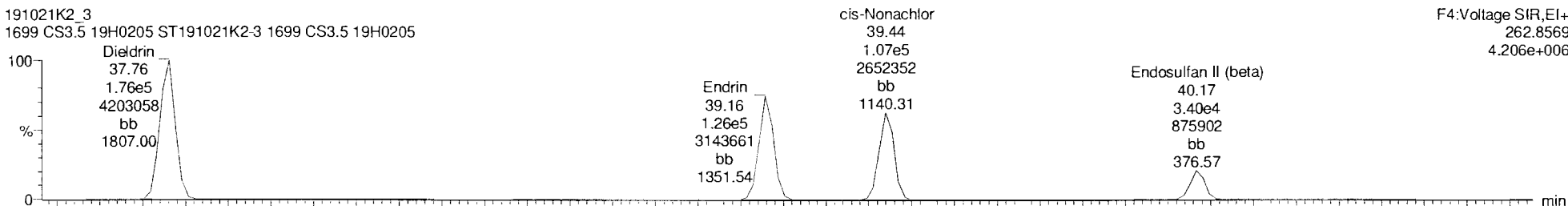
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Dieldrin-EII

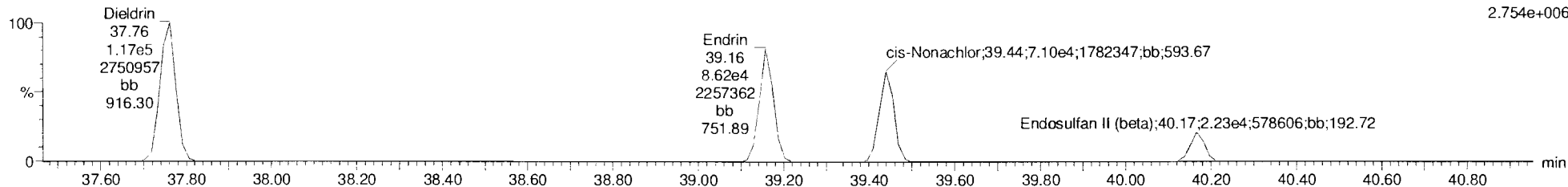
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
262.8569
4.206e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

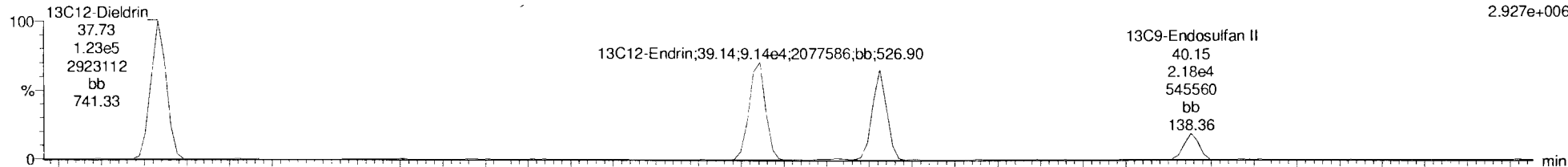
F4:Voltage SIR,EI+
264.8550
2.754e+006



Dieldrin-EII-isotopes

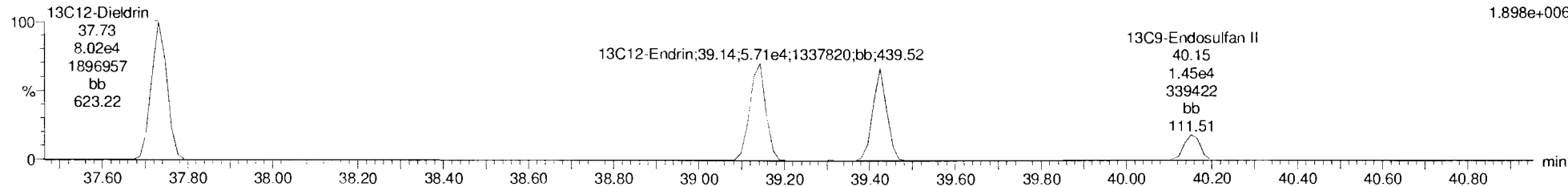
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
269.8804
2.927e+006

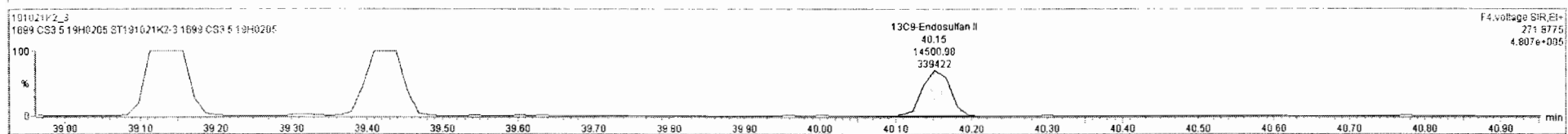
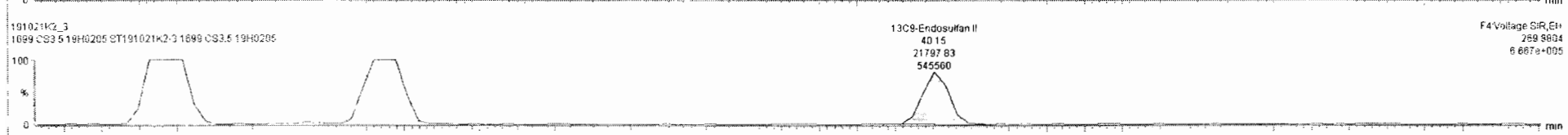
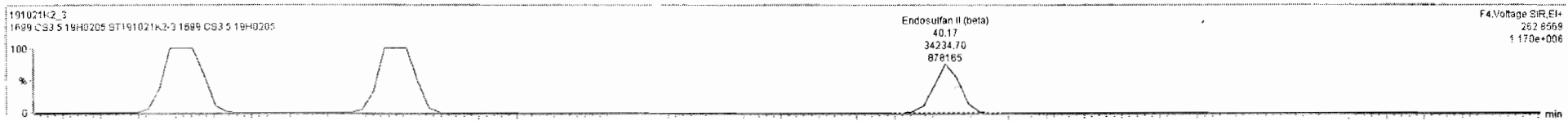


191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
271.8775
1.898e+006



| # | Name | Resp. | IS Resp | ISF | RA | n/y | RRF | w/Vol | Pred.RT | RT | RRT | Pred.RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|------------------------|--------|---------|-----|------|-----|--------|-------|---------|-------|-------|----------|-----------|-------|------|--------|------|
| 18 | 2,4'-DDE | 3.00e6 | 2.47e6 | 46 | 1.23 | NO | 0.7575 | 1.000 | 36.18 | 36.18 | 1.000 | 1.000 | NO | 80.2 | 80.2 | 0.301 | 80.2 |
| 19 | 4,4'-DDE | 2.33e6 | 1.93e6 | 47 | 1.23 | NO | 0.7713 | 1.000 | 37.25 | 37.25 | 1.000 | 1.000 | NO | 78.1 | 78.1 | 0.346 | 78.1 |
| 20 | Dieldrin | 2.93e5 | 2.04e5 | 48 | 1.50 | NO | 0.9273 | 1.000 | 37.75 | 37.76 | 1.001 | 1.000 | NO | 77.6 | 77.6 | 0.179 | 77.6 |
| 21 | Endrin | 2.12e5 | 1.49e5 | 49 | 1.46 | NO | 0.9016 | 1.000 | 39.14 | 39.16 | 1.000 | 1.000 | NO | 79.1 | 79.1 | 0.262 | 79.1 |
| 22 | cis-Nonachlor | 1.78e5 | 1.21e5 | 50 | 1.51 | NO | 0.9134 | 1.000 | 39.44 | 39.44 | 1.000 | 1.000 | NO | 80.4 | 80.4 | 0.290 | 80.4 |
| 23 | Endosulfan II (beta) | 5.66e4 | 3.63e4 | 51 | 1.52 | NO | 1.0280 | 1.000 | 40.15 | 40.17 | 1.000 | 1.000 | NO | 75.8 | 75.8 | 0.858 | 75.8 |
| 24 | 2,4'-DDD | 2.29e6 | 1.59e6 | 52 | 1.59 | NO | 0.8901 | 1.000 | 38.37 | 38.39 | 1.000 | 1.000 | NO | 80.6 | 80.6 | 0.381 | 80.6 |
| 25 | 2,4'-DDT | 1.54e6 | 1.09e6 | 53 | 1.57 | NO | 0.8645 | 1.000 | 39.52 | 39.51 | 1.000 | 1.000 | NO | 82.1 | 82.1 | 0.577 | 82.1 |
| 26 | 4,4'-DDD | 2.11e6 | 1.33e6 | 54 | 1.55 | NO | 0.9710 | 1.000 | 39.65 | 39.65 | 1.000 | 1.000 | NO | 81.4 | 81.4 | 0.431 | 81.4 |
| 27 | 4,4'-DDT | 1.36e6 | 8.71e5 | 55 | 1.56 | NO | 0.9738 | 1.000 | 40.71 | 40.72 | 1.001 | 1.000 | NO | 80.0 | 80.0 | 0.664 | 80.0 |
| 28 | Endosulfan Sulfate | 8.27e4 | 6.02e4 | 56 | 1.51 | NO | 0.8958 | 1.000 | 41.89 | 41.89 | 1.000 | 1.000 | NO | 76.7 | 76.7 | 0.653 | 76.7 |
| 29 | 4,4'-Methoxychlor | 1.68e6 | 9.52e6 | 57 | 5.85 | NO | 1.1005 | 1.000 | 43.76 | 43.76 | 1.000 | 1.000 | NO | 80.2 | 80.2 | 0.121 | 80.2 |
| 30 | Mirex | 7.12e5 | 5.05e5 | 58 | 1.41 | NO | 0.8698 | 1.000 | 44.35 | 44.35 | 1.000 | 1.000 | NO | 81.1 | 81.1 | 0.166 | 81.1 |
| 31 | Endrin Aldehyde | 1.16e5 | 7.47e5 | 59 | 0.60 | NO | 0.9625 | 1.000 | 41.30 | 41.29 | 1.000 | 1.000 | NO | 81.0 | 81.0 | 0.838 | 81.0 |
| 32 | Endrin Ketone | 8.40e4 | 6.25e5 | 60 | 0.60 | NO | 0.8673 | 1.000 | 44.47 | 44.49 | 1.000 | 1.000 | NO | 77.4 | 77.4 | 1.22 | 77.4 |
| 33 | 13C4-Hexachlorobutadi. | 3.96e6 | 2.44e6 | 62 | 1.26 | NO | 0.1473 | 1.000 | 10.35 | 10.34 | 0.990 | 0.991 | NO | 550 | 110 | 0.0547 | |
| 34 | 13C6-Hexachlorobenz. | 1.77e6 | 3.44e6 | 63 | 1.97 | NO | 0.7194 | 1.000 | 33.14 | 33.14 | 0.973 | 0.973 | NO | 43.0 | 100 | 0.0507 | |



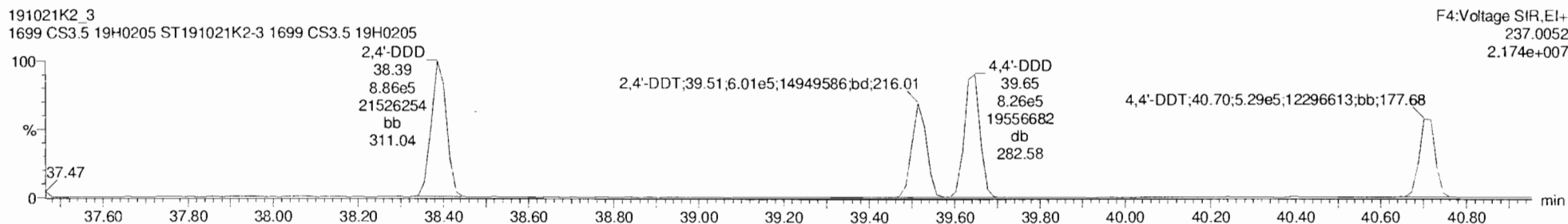
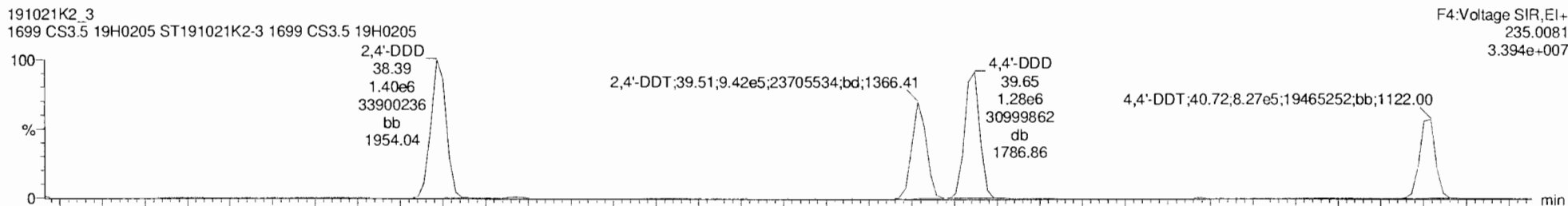
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

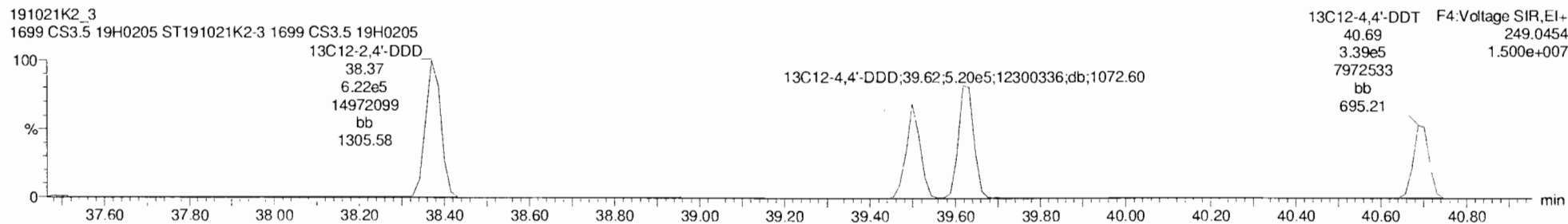
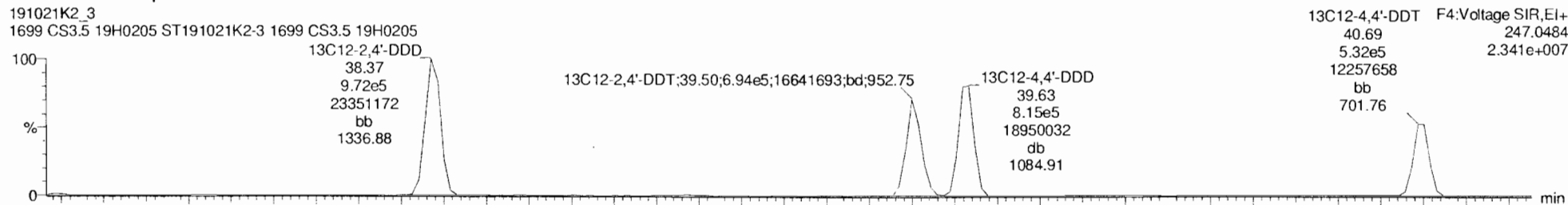
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

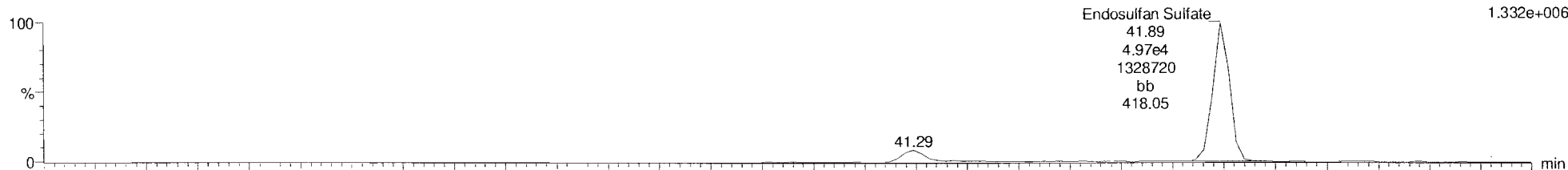
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Endosulfan Sulfate

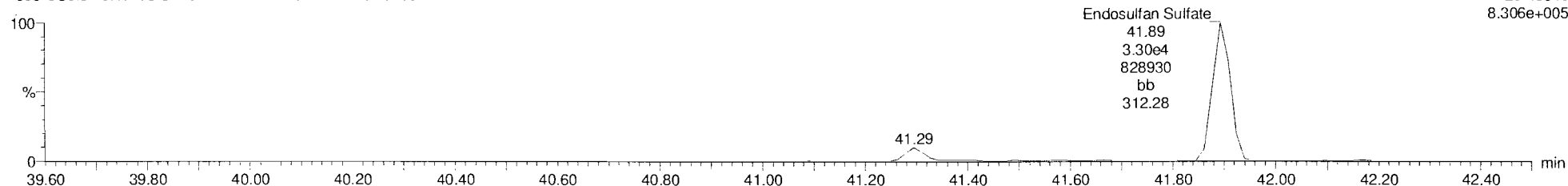
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
262.8569
1.332e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

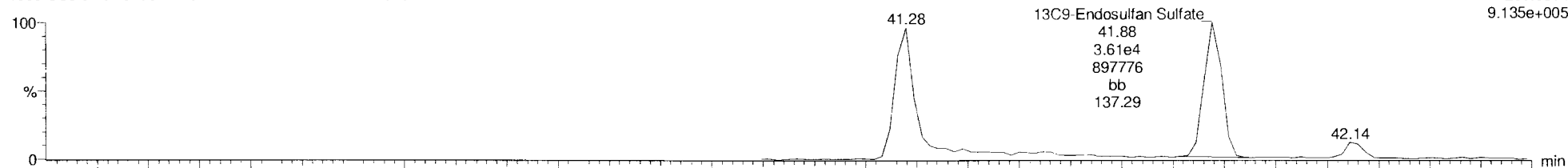
F5:Voltage SIR,EI+
264.8540
8.306e+005



13C9-Endosulfan Sulfate

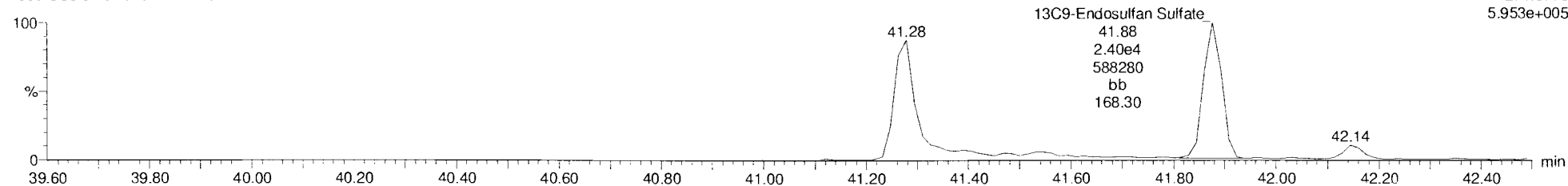
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
269.8804
9.135e+005



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
271.8775
5.953e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

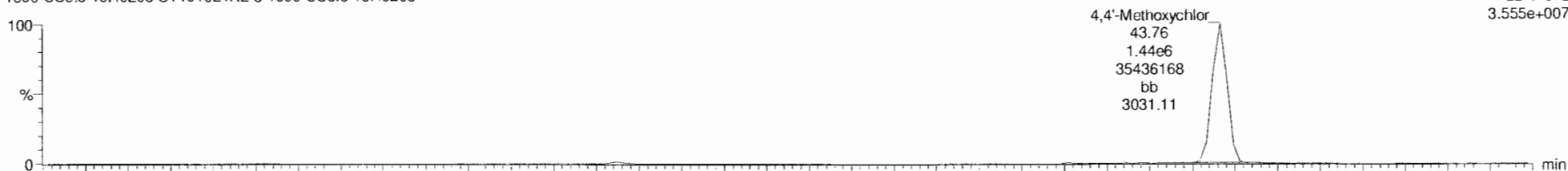
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

4,4'-Methoxychlor

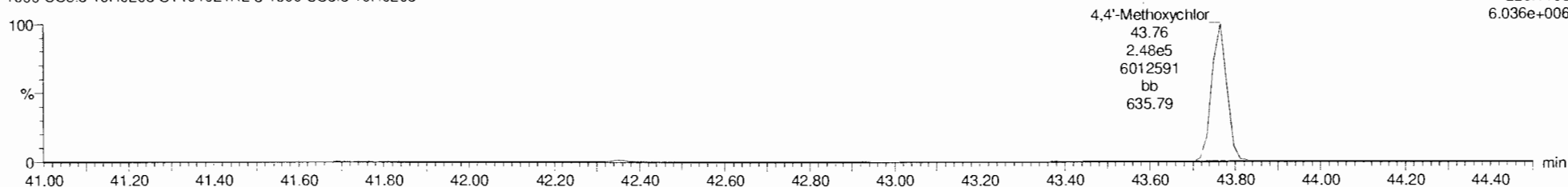
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
227.1072
3.555e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
228.1106
6.036e+006



13C12-Methoxychlor

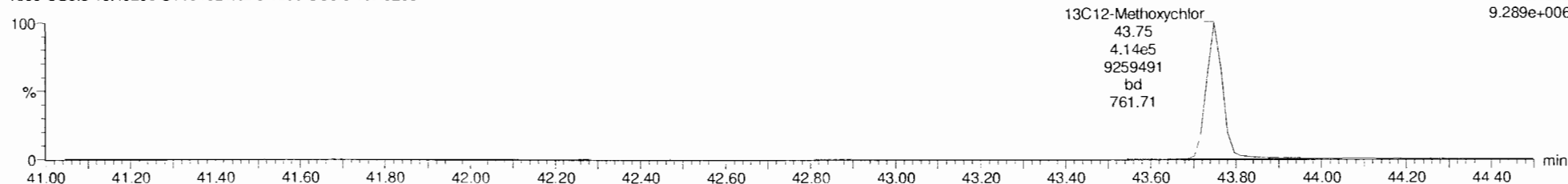
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

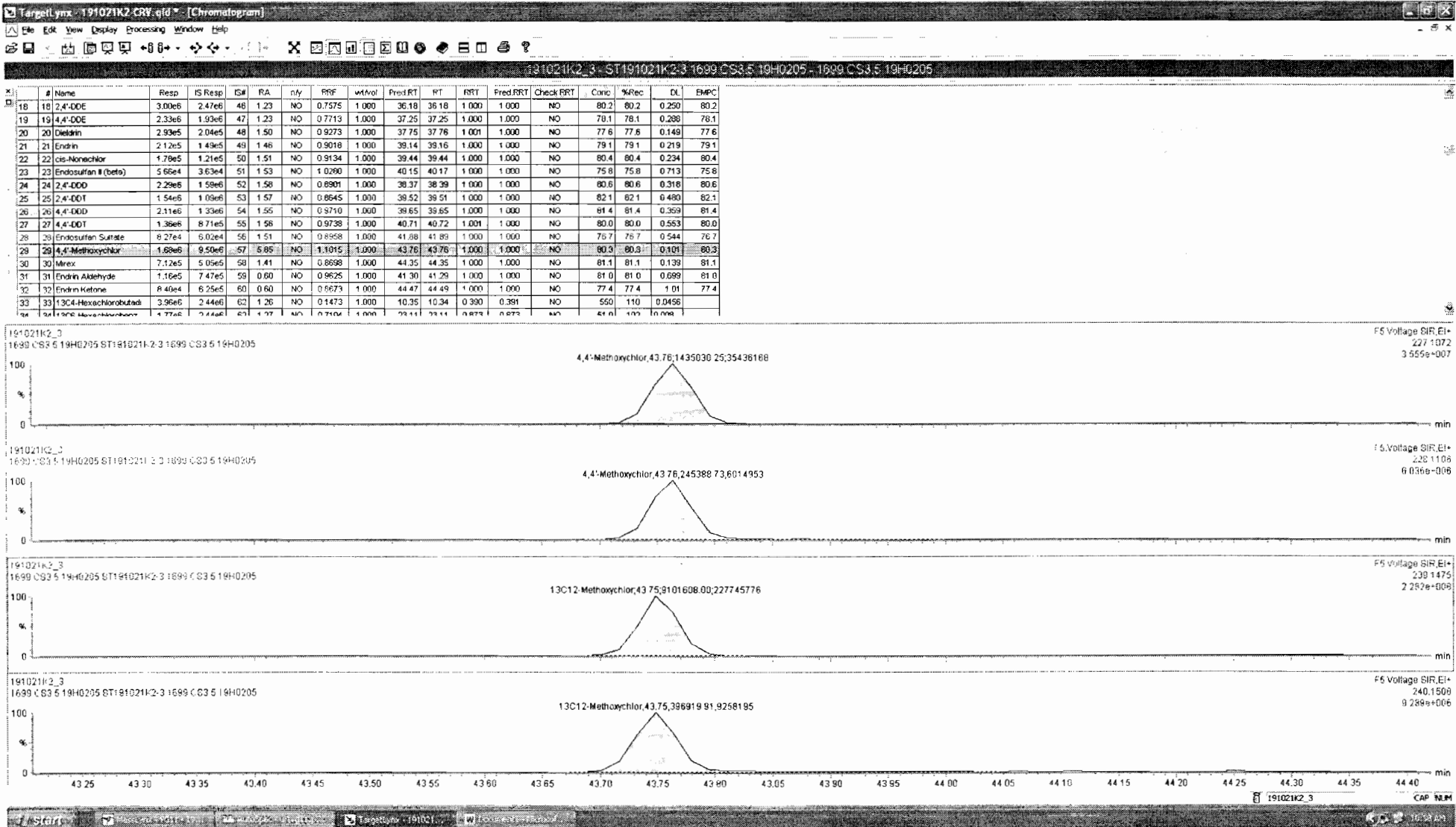
F5:Voltage SIR,EI+
239.1475
2.282e+008



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
240.1508
9.289e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

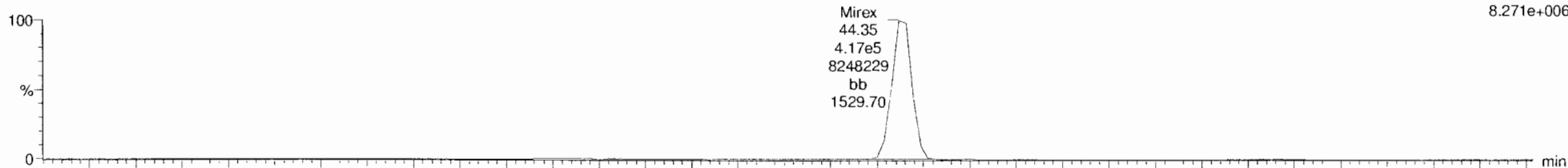
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Mirex

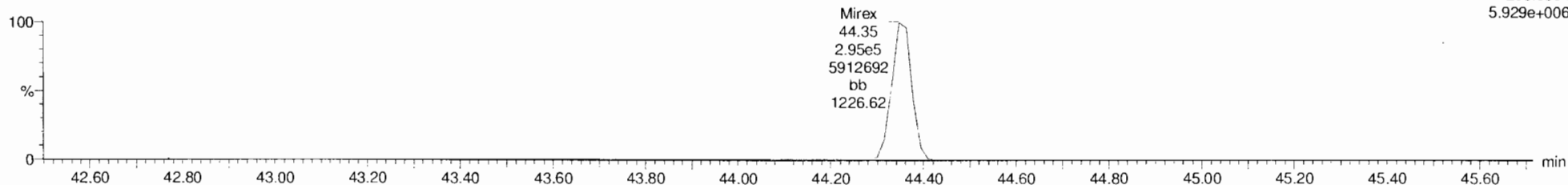
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
236.8413
8.271e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

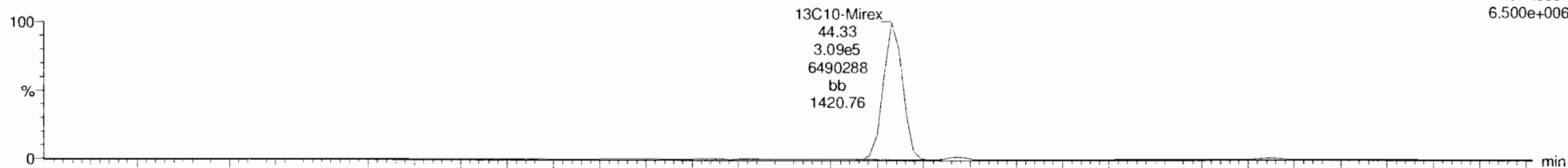
F5:Voltage SIR,EI+
238.8384
5.929e+006



13C10-Mirex

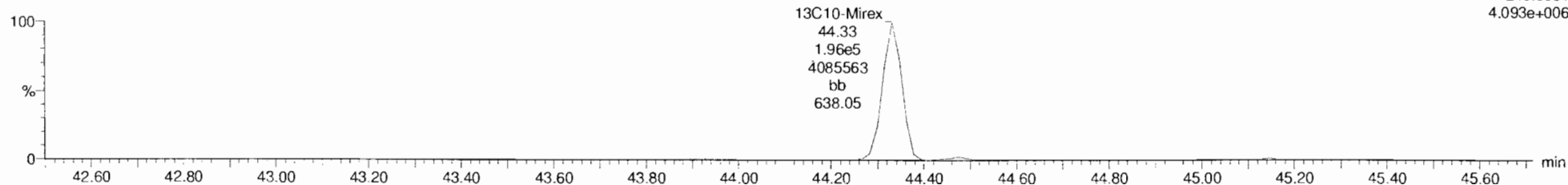
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
241.8581
6.500e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
243.8551
4.093e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

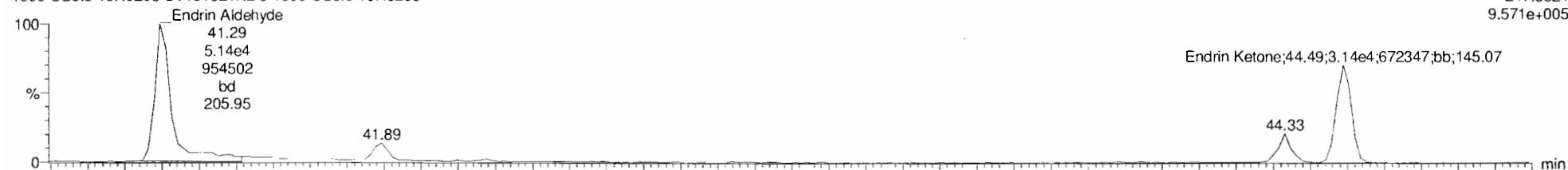
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

EA-EK

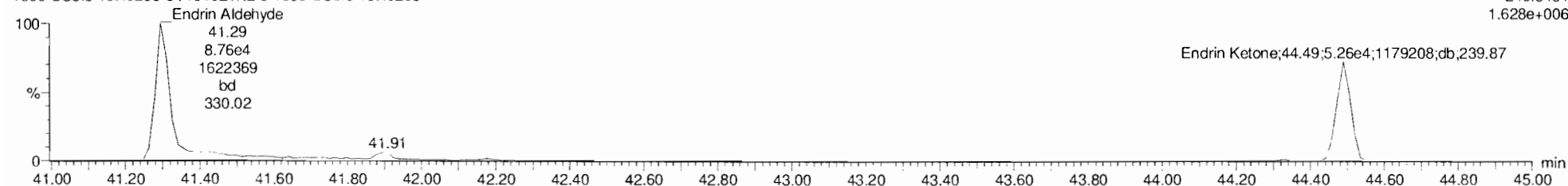
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
247.8521
9.571e+005



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
249.8491
1.628e+006



EA-EK-isotopes

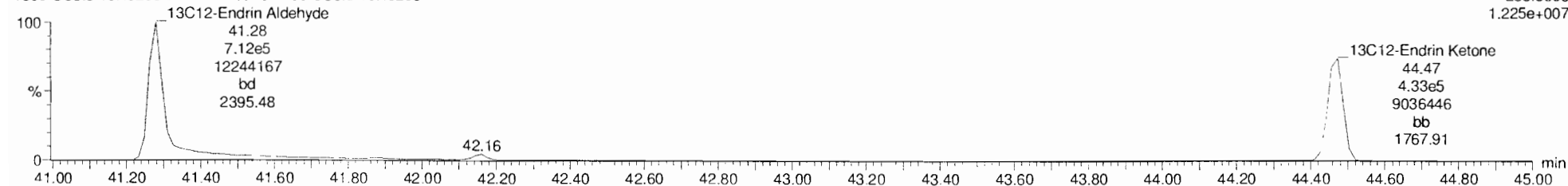
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

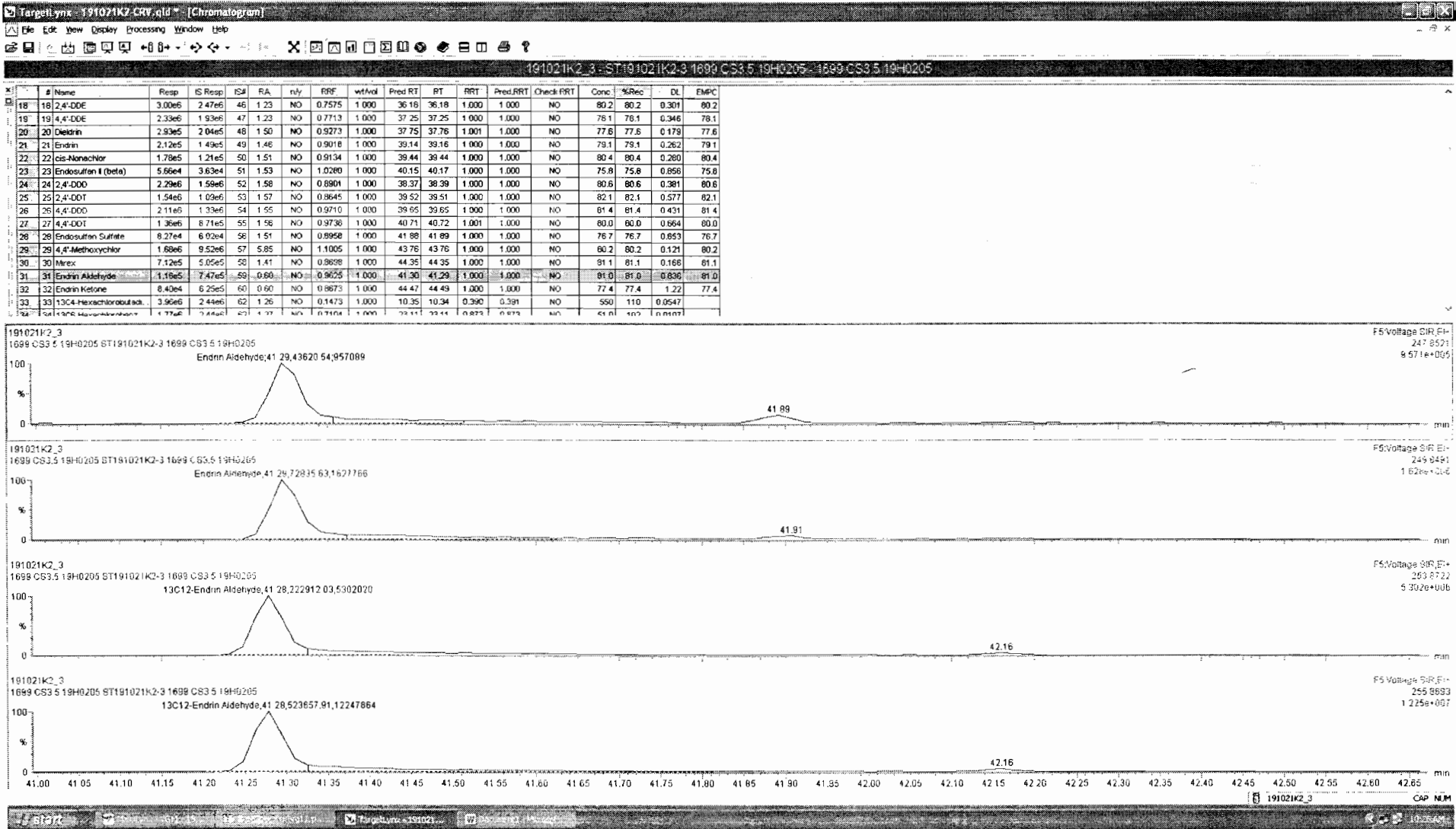
F5:Voltage SIR,EI+
253.8722
5.302e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
255.8693
1.225e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

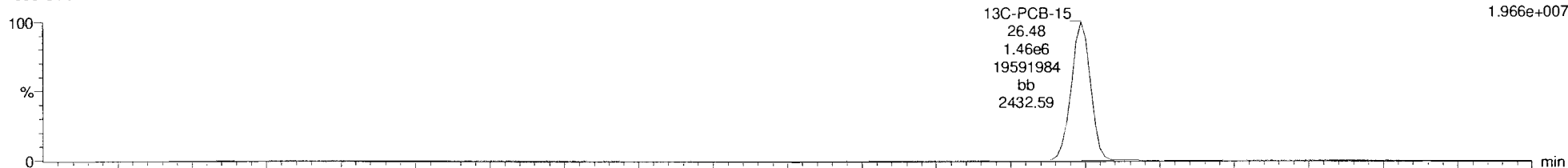
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

13C-PCB-15

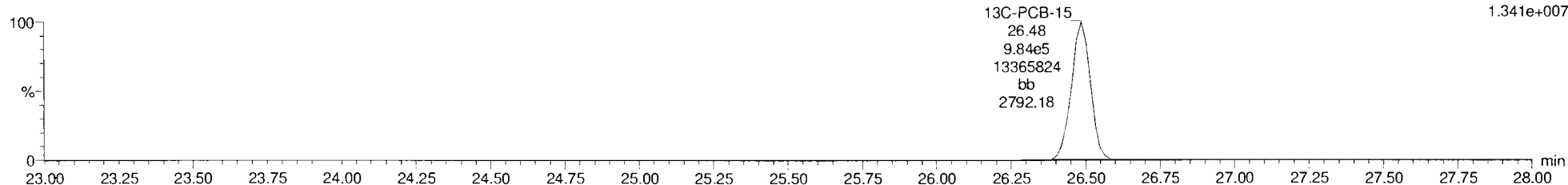
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage S1R,EI+
234.0406
1.966e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

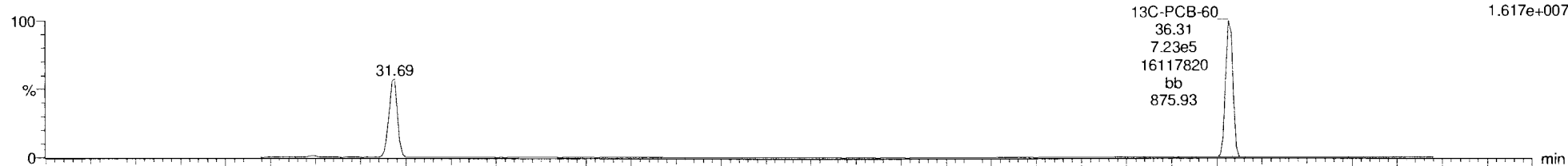
F2:Voltage S1R,EI+
236.0376
1.341e+007



13C-PCB-60

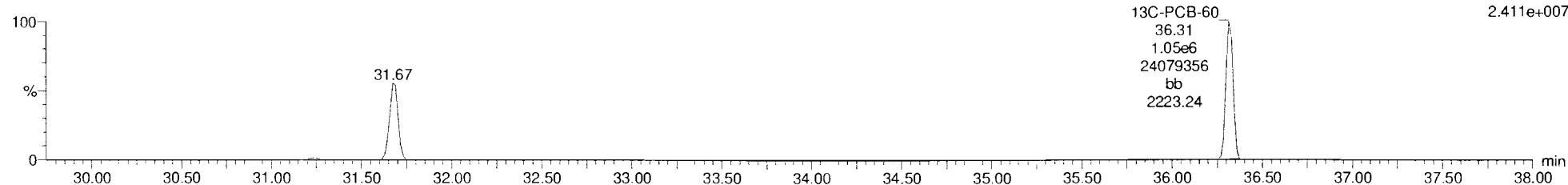
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage S1R,EI+
301.9626
1.617e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage S1R,EI+
303.9597
2.411e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

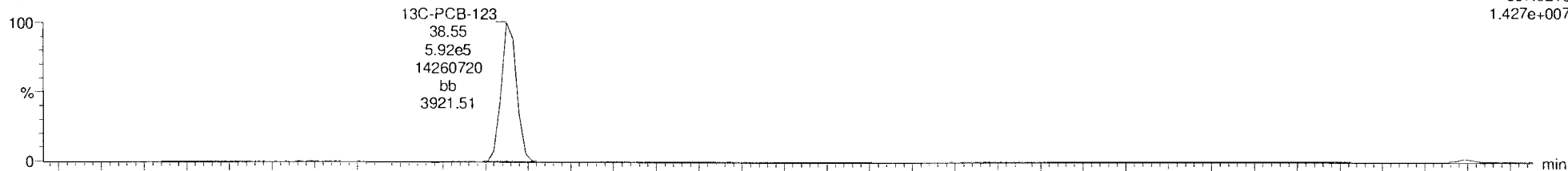
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

13C-PCB-123

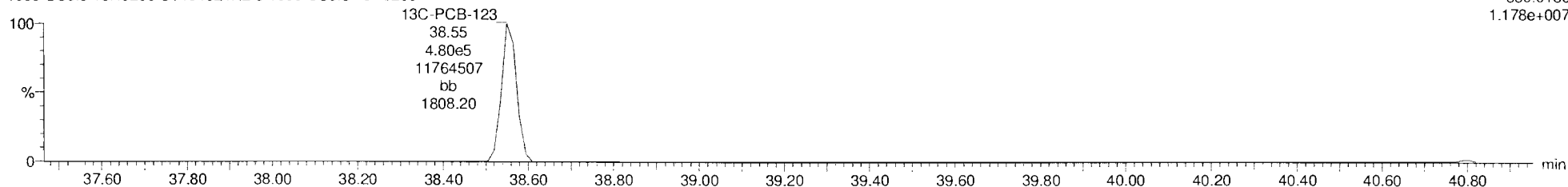
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
337.9210
1.427e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

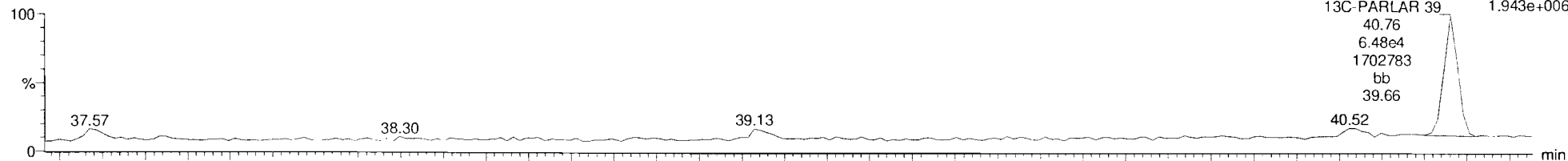
F4:Voltage SIR,EI+
339.9180
1.178e+007



13C-PARLAR 39

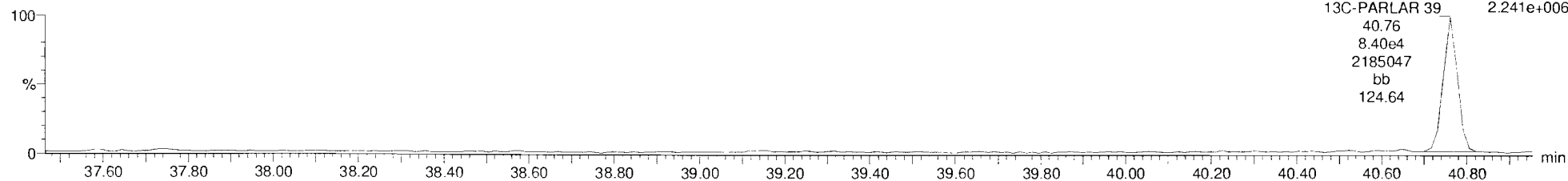
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
251.9648
1.943e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
253.9619
2.241e+006



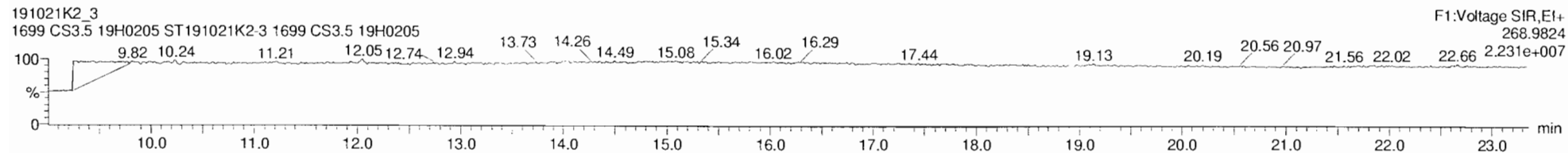
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

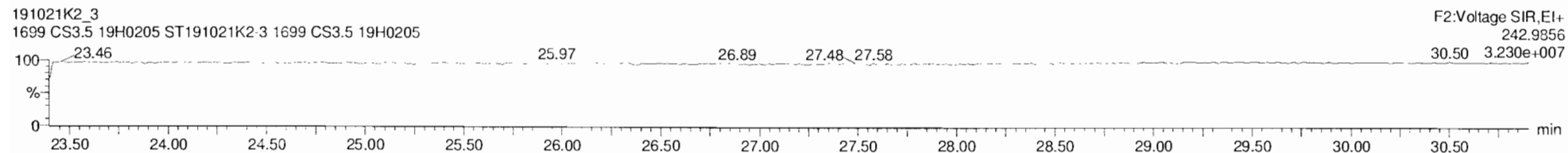
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

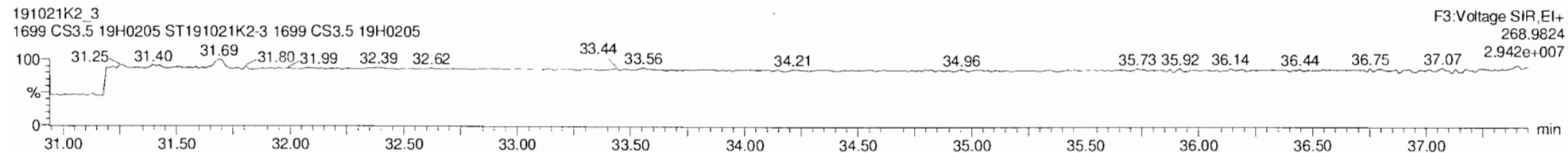
PFK1



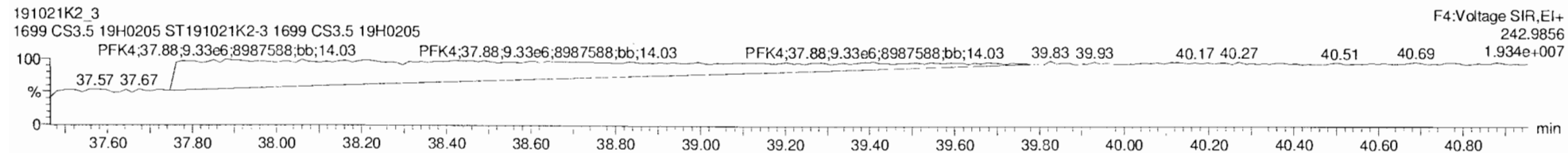
PFK2



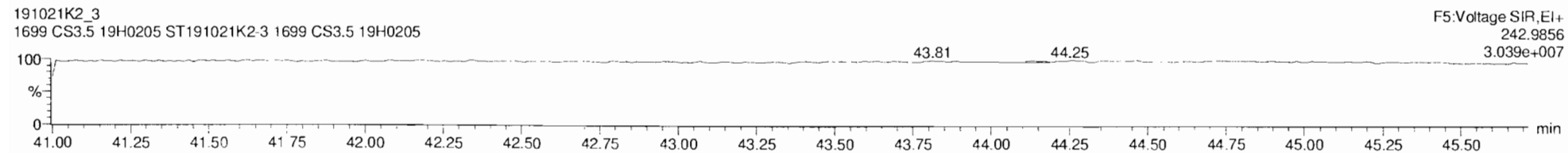
PFK3



PFK4



PFK5



Dataset: Untitled

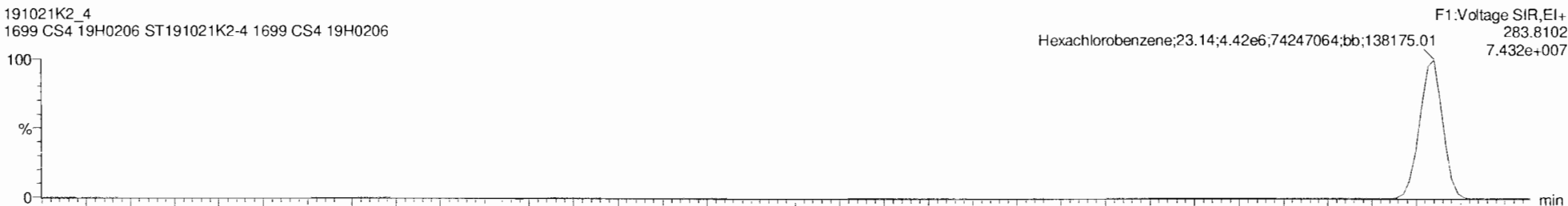
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

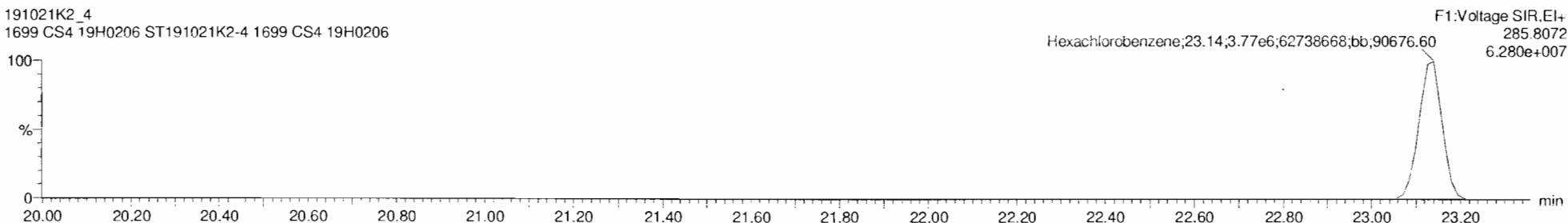
Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Hexachlorobenzene

191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

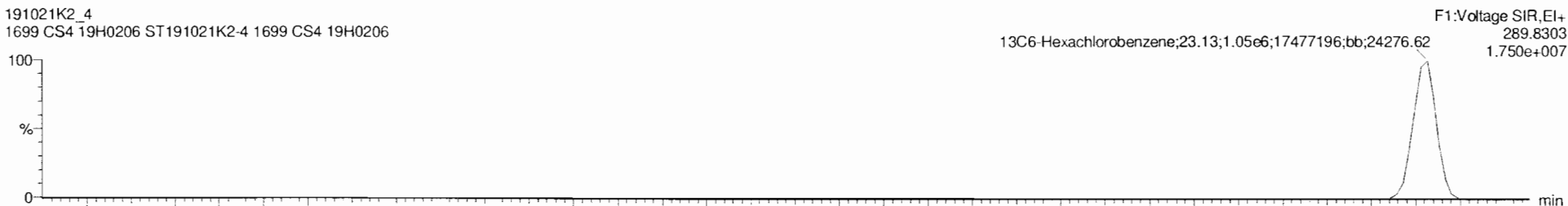


191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

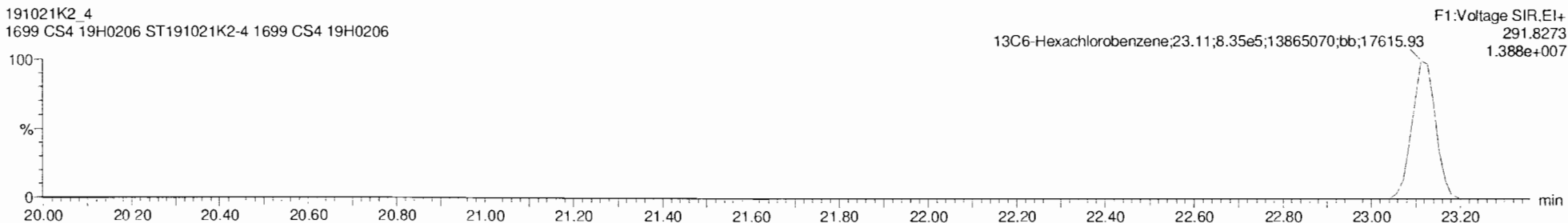


13C6-Hexachlorobenzene

191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206



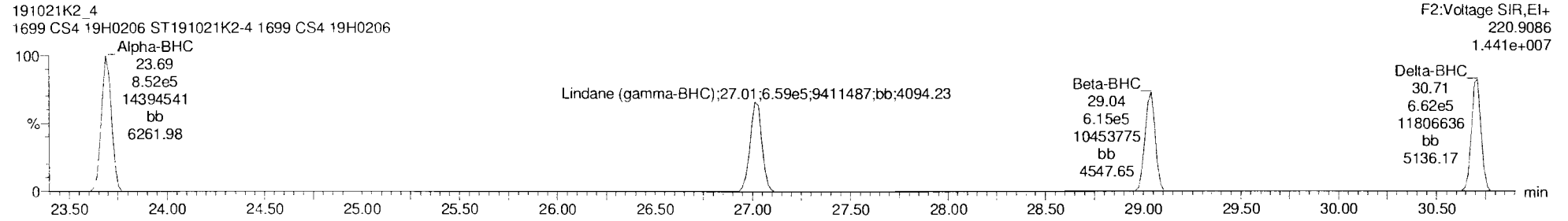
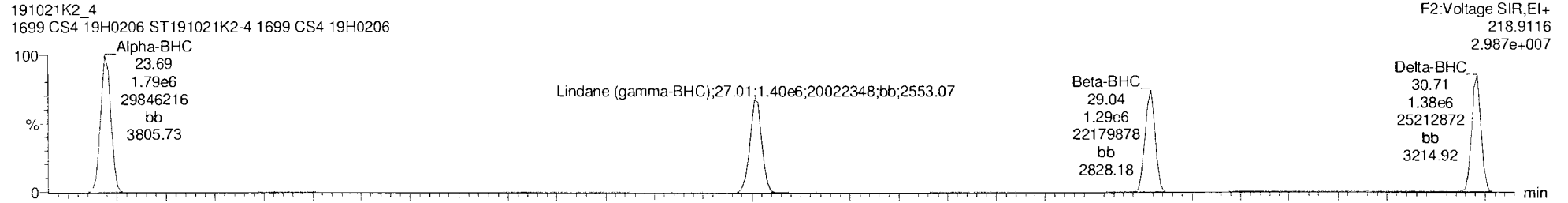
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

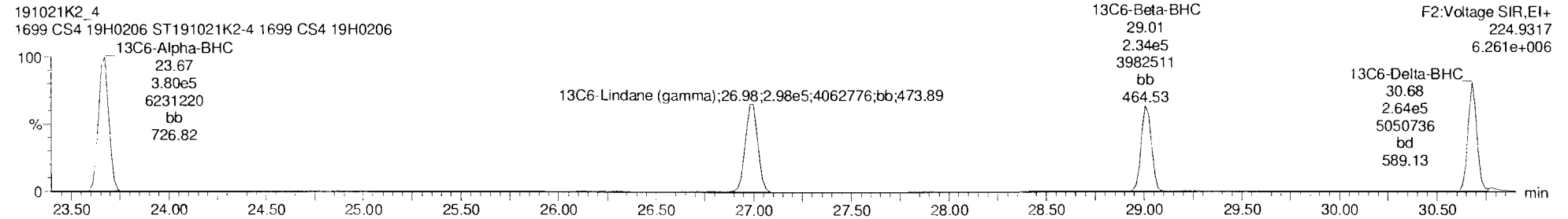
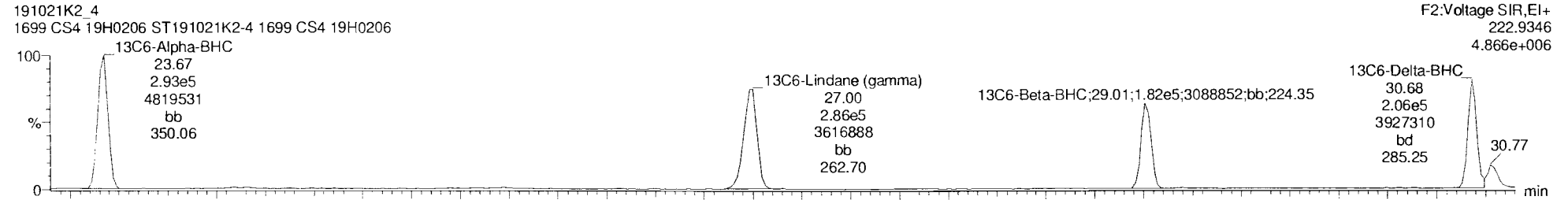
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

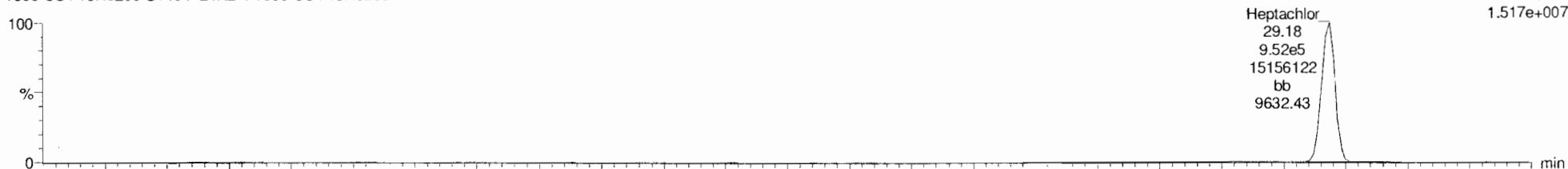
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Heptachlor

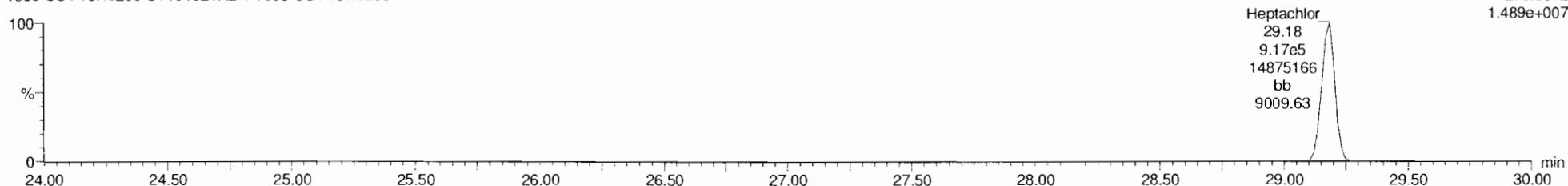
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
271.8102
1.517e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

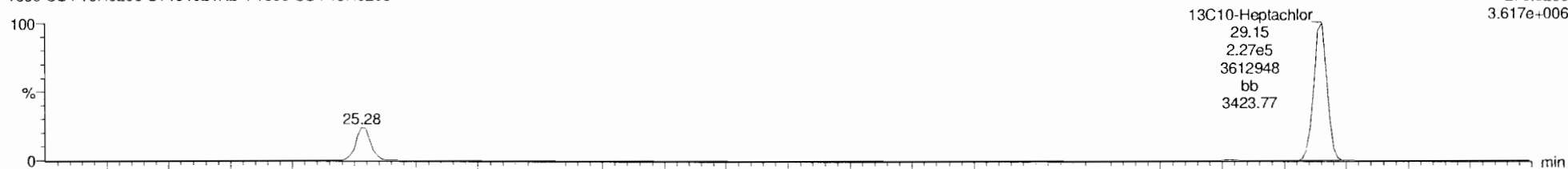
F2:Voltage SIR,EI+
273.8072
1.489e+007



13C10-Heptachlor

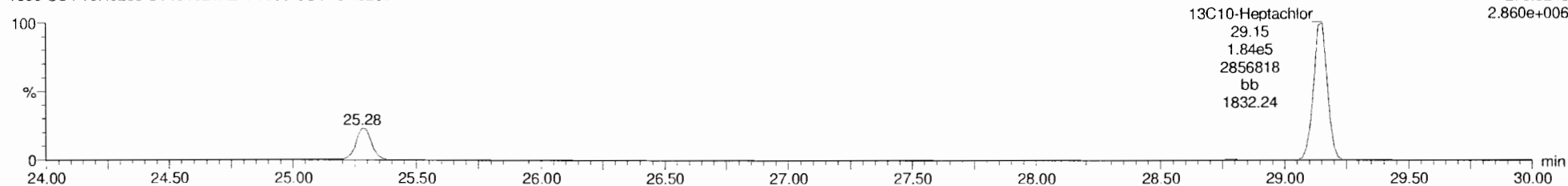
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
276.8269
3.617e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
278.8240
2.860e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

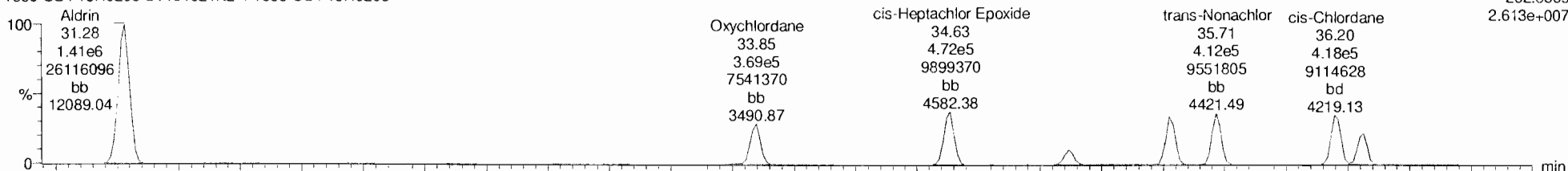
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Aldrin-EI

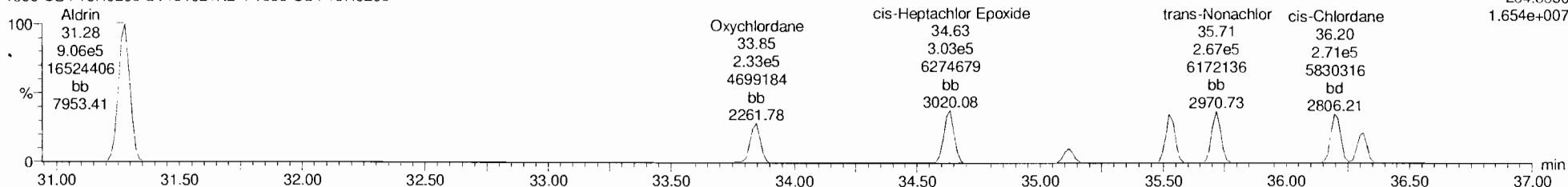
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
262.8569
2.613e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

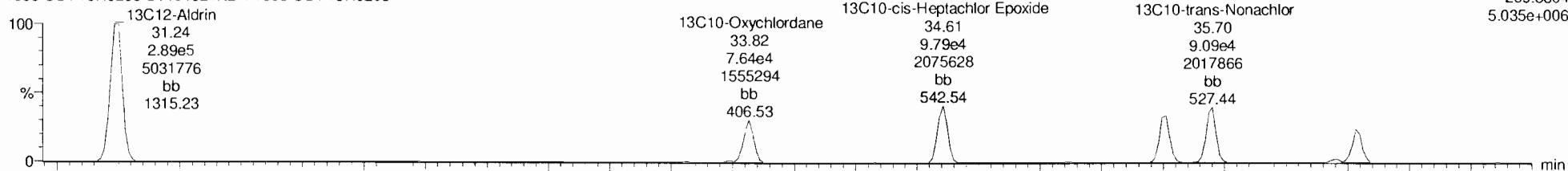
F3:Voltage SIR,EI+
264.8550
1.654e+007



Aldrin-EI-isotopes

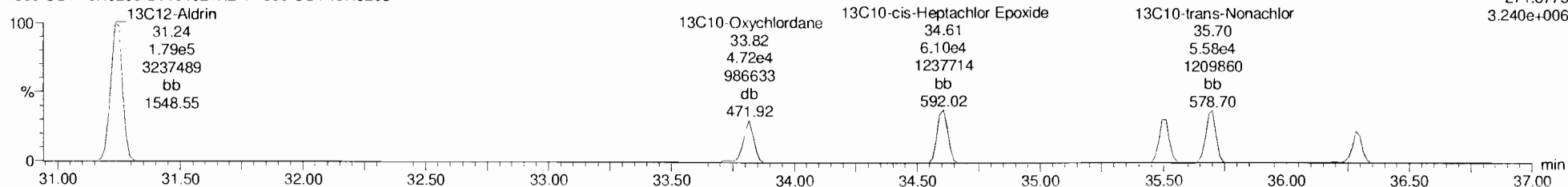
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

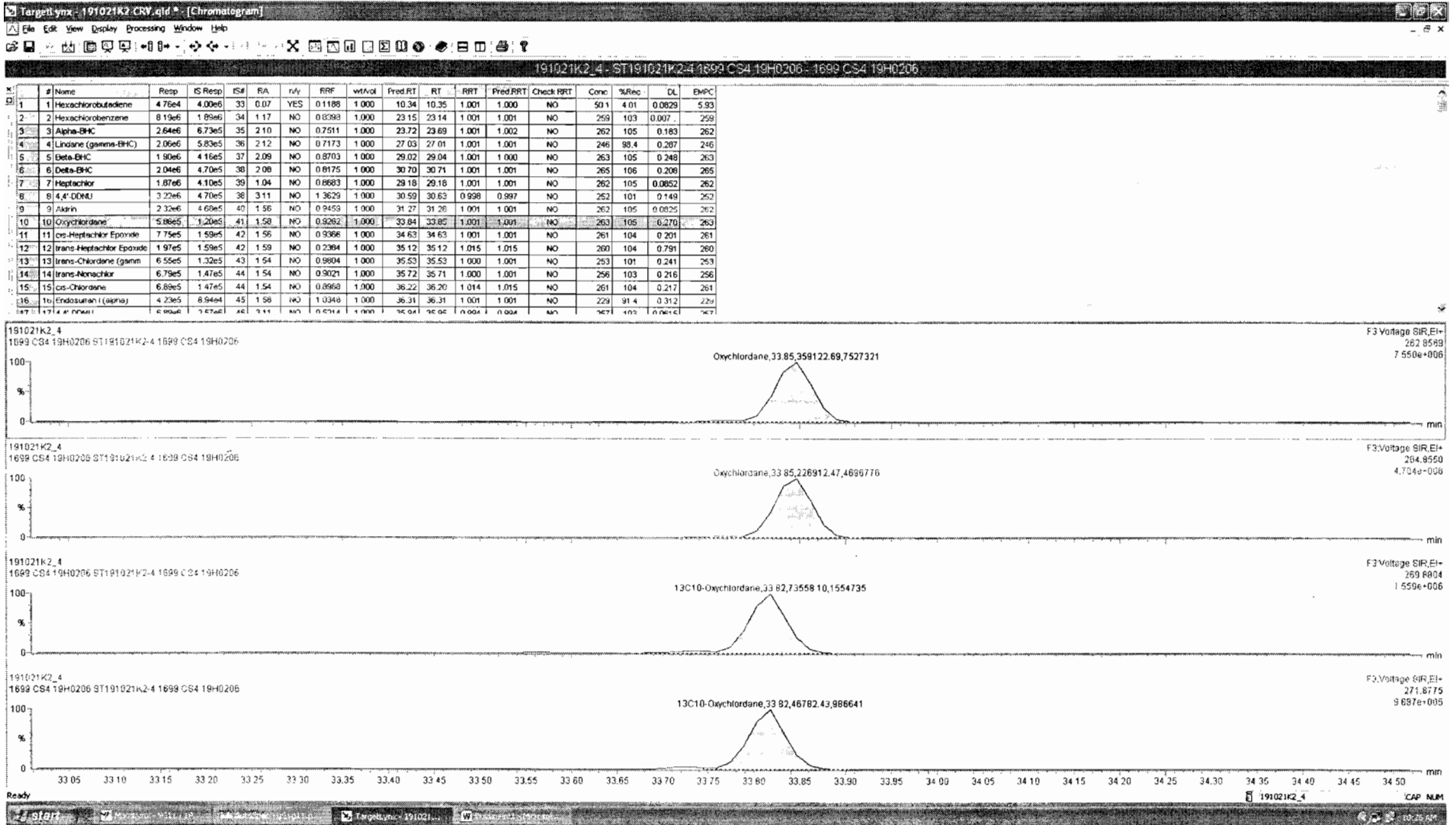
F3:Voltage SIR,EI+
269.8804
5.035e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
271.8775
3.240e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

DDMU-DDE

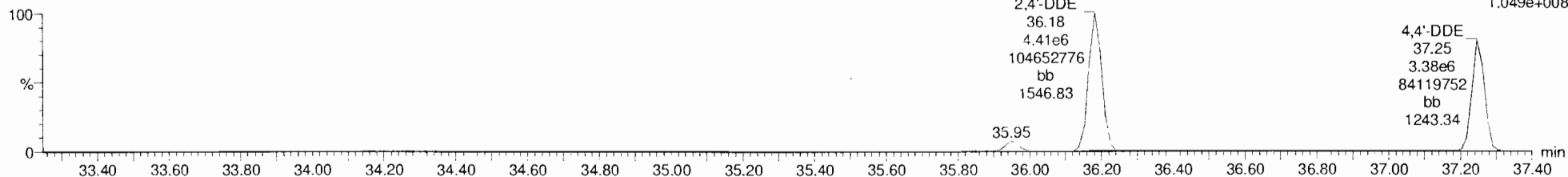
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
246.0003
1.263e+008



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

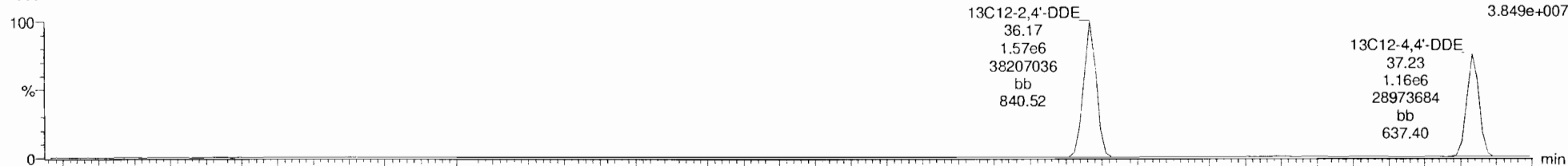
F3:Voltage SIR,EI+
247.9974
1.049e+008



DDE-isotopes

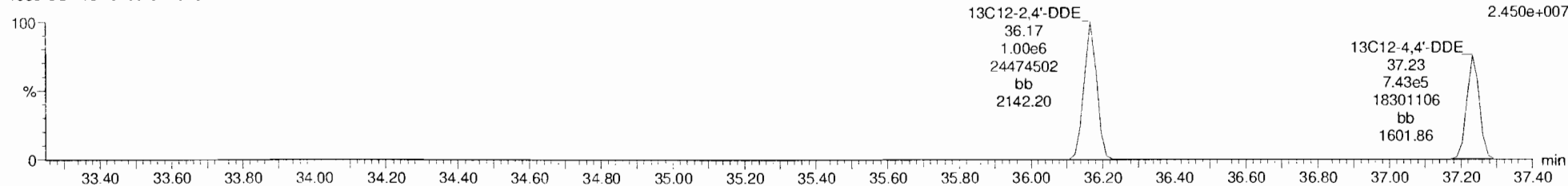
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
258.0406
3.849e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
260.0376
2.450e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

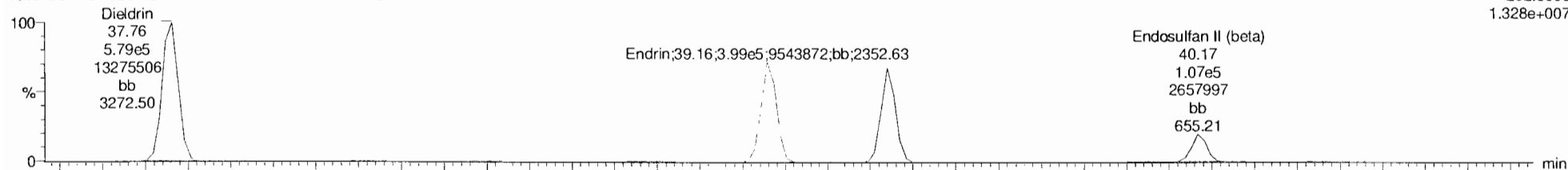
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Dieldrin-EII

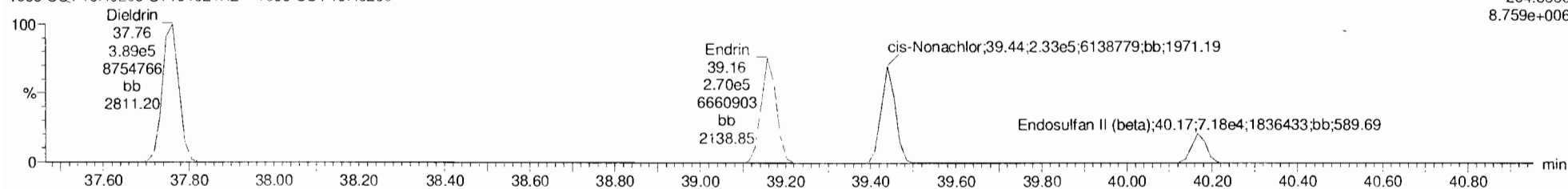
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
262.8569
1.328e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

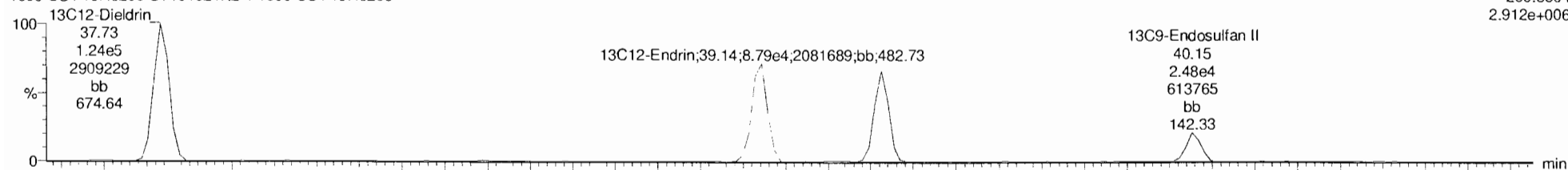
F4:Voltage SIR,EI+
264.8550
8.759e+006



Dieldrin-EII-isotopes

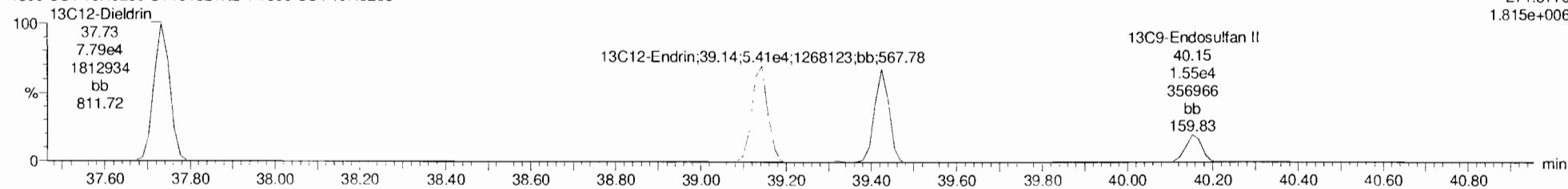
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
269.8804
2.912e+006

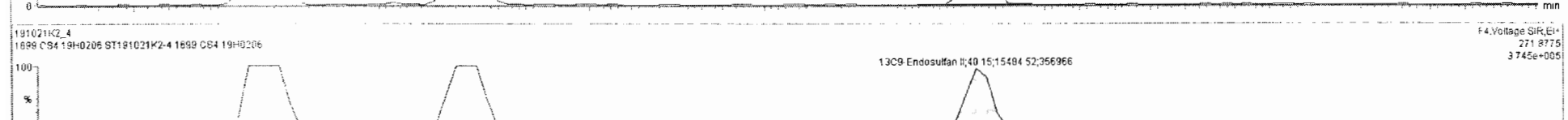
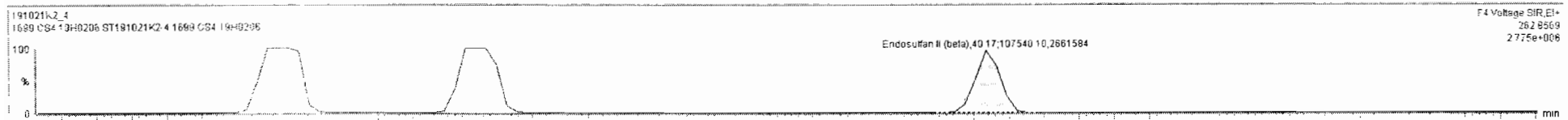


191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
271.8775
1.815e+006



| # | Name | Resp | IS Resp | ISF | RA | n/y | RRF | wAve | Pred RT | RT | RRT | Pred RRT | Check RRT | Conc | %Rec | DL | EMPC |
|----|------------------------|--------|---------|-----|------|-----|--------|-------|---------|-------|-------|----------|-----------|------|------|--------|------|
| 18 | 2,4-DDE | 9.78e6 | 2.57e6 | 46 | 1.22 | NO | 0.7575 | 1.000 | 36.18 | 36.18 | 1.000 | 1.000 | NO | 251 | 100 | 0.244 | 251 |
| 19 | 4,4'-DDE | 7.51e6 | 1.91e6 | 47 | 1.22 | NO | 0.7713 | 1.000 | 37.25 | 37.25 | 1.000 | 1.000 | NO | 255 | 102 | 0.317 | 255 |
| 20 | Dieldrin | 9.88e5 | 2.02e5 | 48 | 1.49 | NO | 0.9273 | 1.000 | 37.75 | 37.76 | 1.001 | 1.000 | NO | 259 | 104 | 0.245 | 259 |
| 21 | Endrin | 6.69e5 | 1.42e5 | 49 | 1.48 | NO | 0.9018 | 1.000 | 39.14 | 39.16 | 1.000 | 1.000 | NO | 261 | 104 | 0.355 | 261 |
| 22 | cis-Nonachlor | 5.84e5 | 1.25e5 | 50 | 1.50 | NO | 0.9134 | 1.000 | 39.44 | 39.44 | 1.000 | 1.000 | NO | 256 | 102 | 0.371 | 256 |
| 23 | Endosulfan II (beta) | 1.80e5 | 4.02e4 | 51 | 1.49 | NO | 1.0280 | 1.000 | 40.15 | 40.17 | 1.000 | 1.000 | NO | 217 | 86.9 | 1.05 | 217 |
| 24 | 2,4'-DDD | 7.35e6 | 1.60e6 | 52 | 1.56 | NO | 0.8901 | 1.000 | 38.37 | 38.39 | 1.000 | 1.000 | NO | 259 | 104 | 0.334 | 259 |
| 25 | 2,4'-DDT | 4.87e6 | 1.08e6 | 53 | 1.55 | NO | 0.8645 | 1.000 | 39.52 | 39.51 | 1.000 | 1.000 | NO | 260 | 104 | 0.550 | 260 |
| 26 | 4,4'-DDD | 6.85e6 | 1.36e6 | 54 | 1.55 | NO | 0.9710 | 1.000 | 39.65 | 39.65 | 1.000 | 1.000 | NO | 259 | 104 | 0.348 | 259 |
| 27 | 4,4'-DDT | 4.24e6 | 8.57e5 | 55 | 1.56 | NO | 0.9738 | 1.000 | 40.72 | 40.72 | 1.000 | 1.000 | NO | 254 | 102 | 0.581 | 254 |
| 28 | Endosulfan Sulfate | 2.69e5 | 6.13e4 | 56 | 1.53 | NO | 0.8958 | 1.000 | 41.88 | 41.89 | 1.000 | 1.000 | NO | 244 | 97.7 | 0.702 | 244 |
| 29 | 4,4'-Methoxychlor | 4.82e6 | 8.48e6 | 57 | 5.50 | NO | 1.1005 | 1.000 | 43.76 | 43.76 | 1.000 | 1.000 | NO | 258 | 103 | 0.141 | 258 |
| 30 | Mirex | 2.06e6 | 4.63e5 | 58 | 1.40 | NO | 0.6693 | 1.000 | 44.35 | 44.36 | 1.001 | 1.000 | NO | 258 | 103 | 0.280 | 258 |
| 31 | Endrin Aldehyde | 3.74e5 | 7.59e5 | 59 | 0.60 | NO | 0.9625 | 1.000 | 41.30 | 41.29 | 1.000 | 1.000 | NO | 256 | 102 | 1.03 | 256 |
| 32 | Endrin Ketone | 2.54e5 | 5.91e5 | 60 | 0.62 | NO | 0.8673 | 1.000 | 44.47 | 44.49 | 1.000 | 1.000 | NO | 248 | 99.1 | 1.61 | 248 |
| 33 | 13C4-Hexachlorobutadi. | 4.00e6 | 2.62e6 | 62 | 1.26 | NO | 0.1473 | 1.000 | 10.36 | 10.34 | 0.390 | 0.391 | NO | 517 | 163 | 0.0480 | |



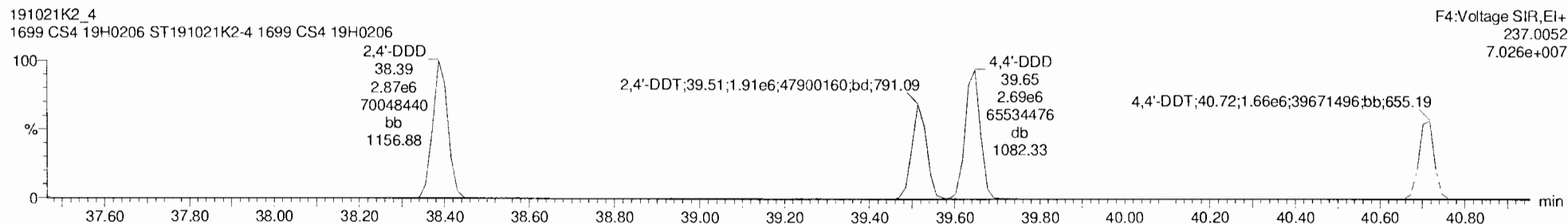
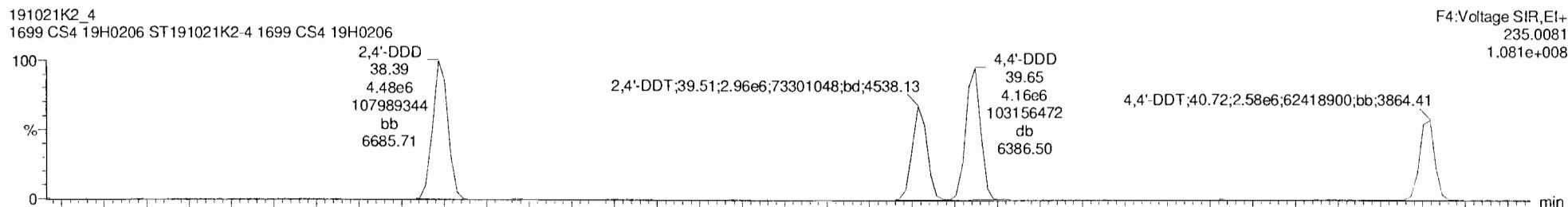
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

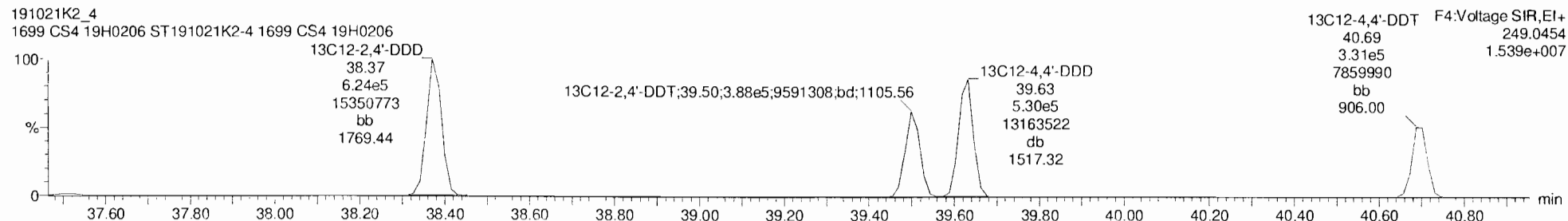
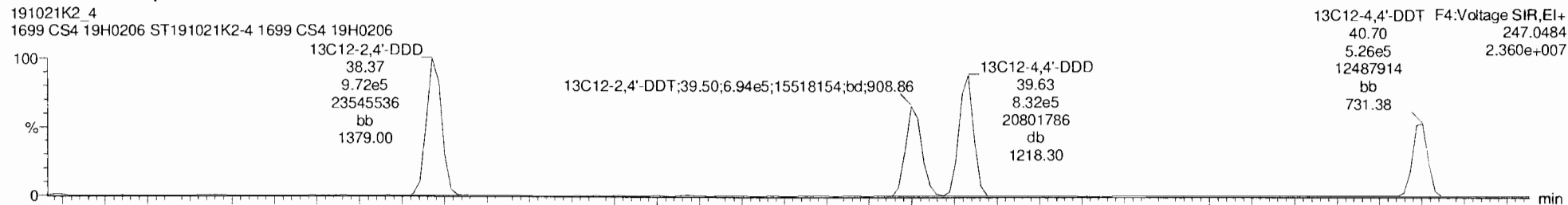
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

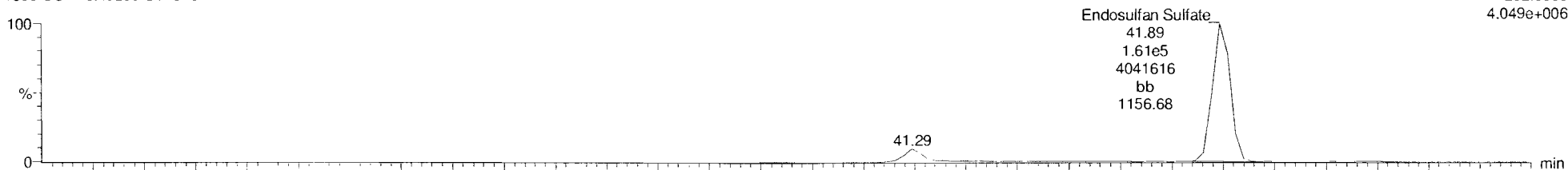
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Endosulfan Sulfate

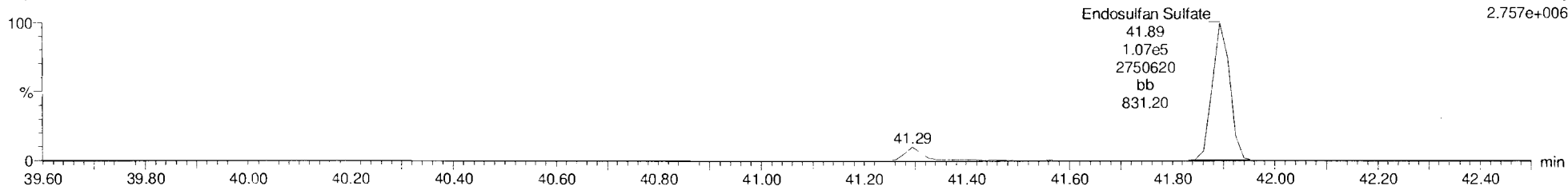
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
262.8569
4.049e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

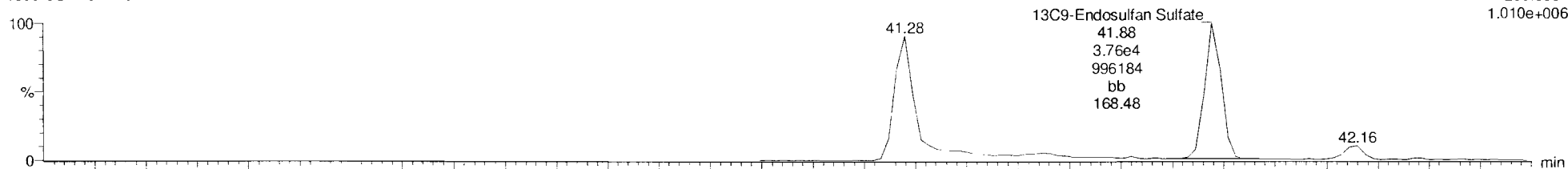
F5:Voltage SIR,EI+
264.8540
2.757e+006



13C9-Endosulfan Sulfate

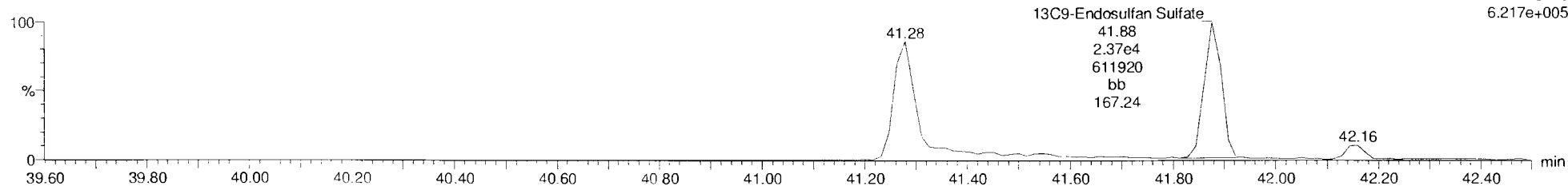
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
269.8804
1.010e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
271.8775
6.217e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

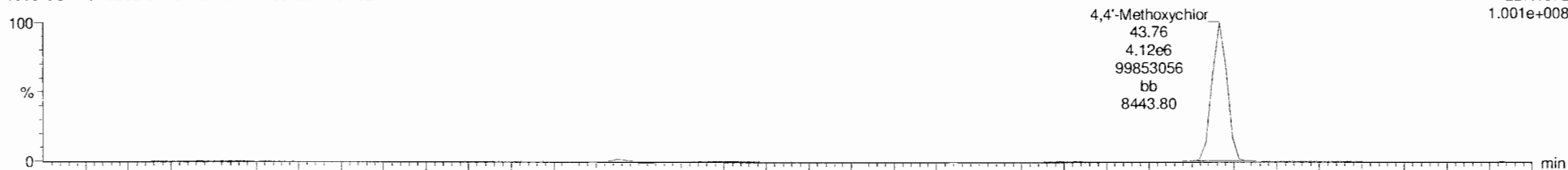
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

4,4'-Methoxychlor

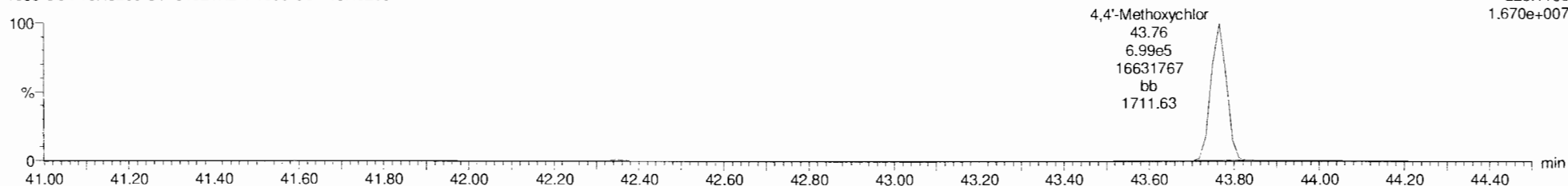
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
227.1072
1.001e+008



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
228.1106
1.670e+007



13C12-Methoxychlor

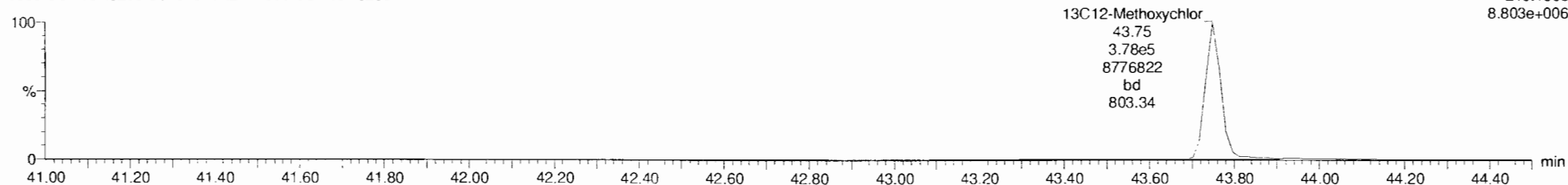
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

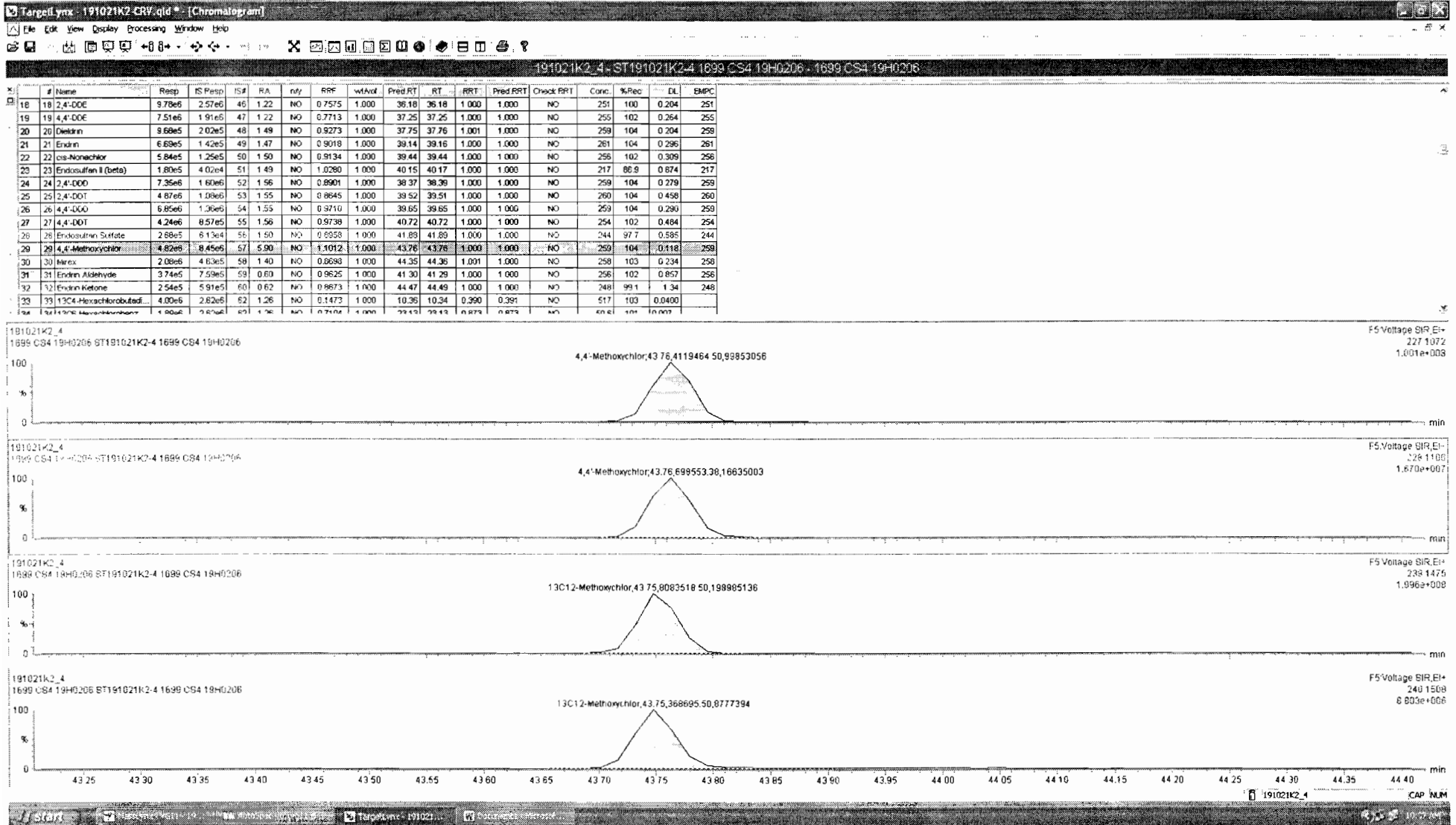
F5:Voltage SIR,EI+
239.1475
1.996e+008



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
240.1508
8.803e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

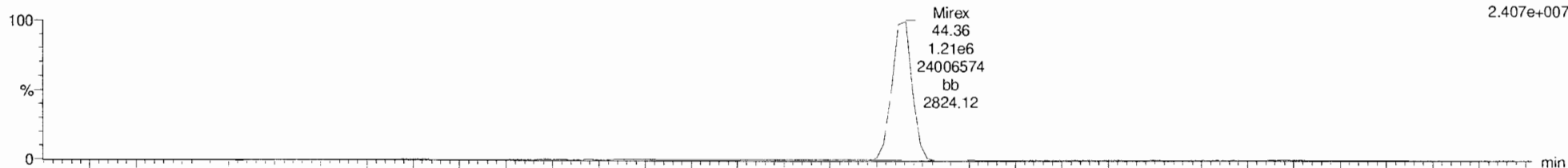
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Mirex

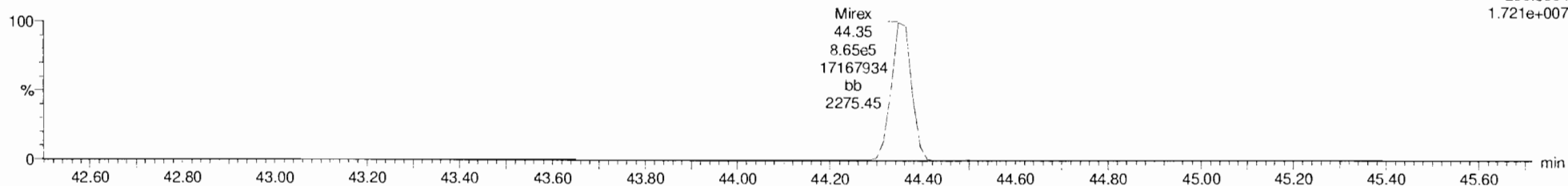
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
236.8413
2.407e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

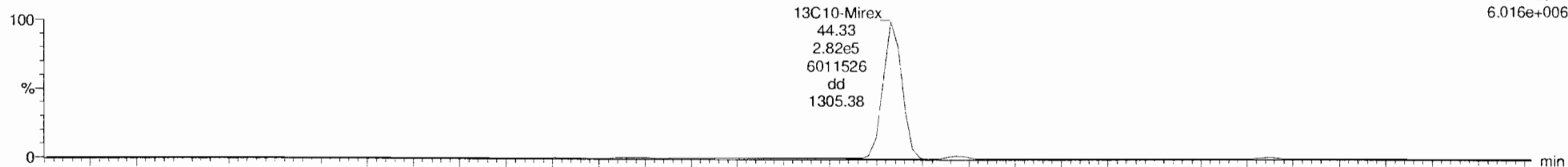
F5:Voltage SIR,EI+
238.8384
1.721e+007



13C10-Mirex

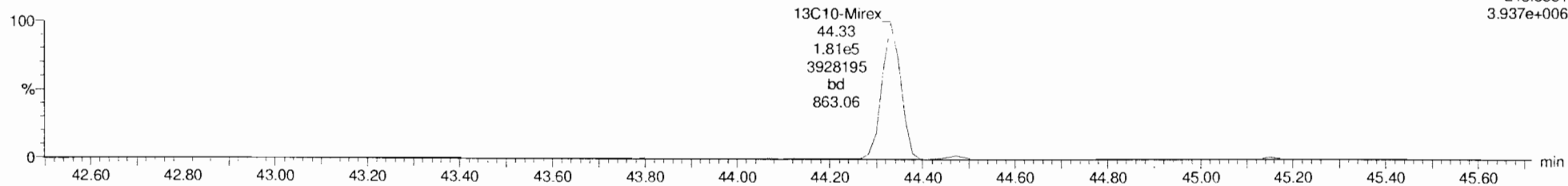
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
241.8581
6.016e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
243.8551
3.937e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

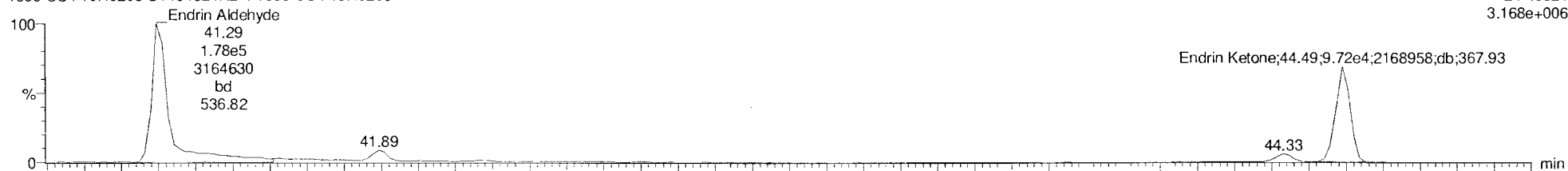
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

EA-EK

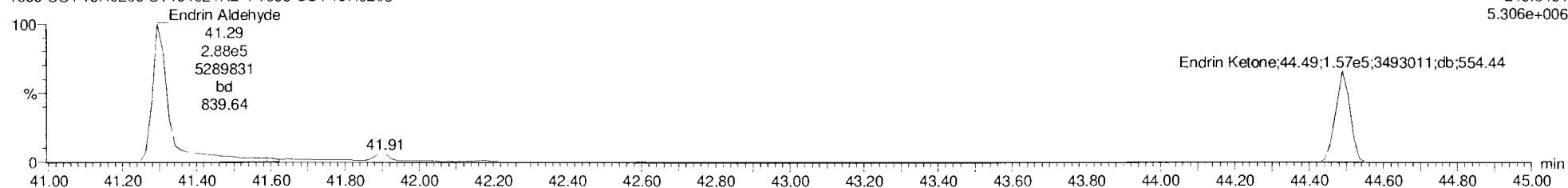
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,El+
247.8521
3.168e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

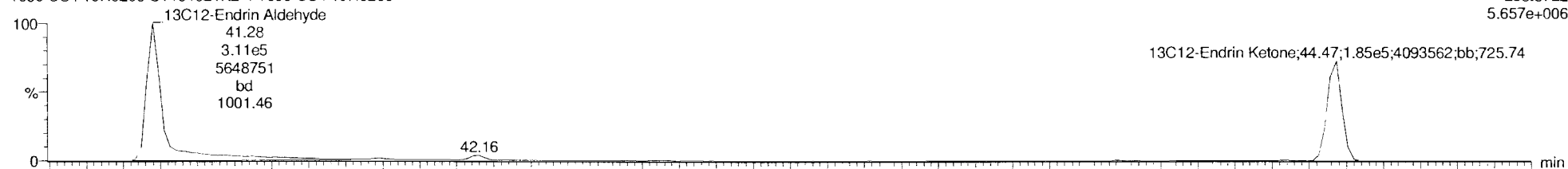
F5:Voltage SIR,El+
249.8491
5.306e+006



EA-EK-isotopes

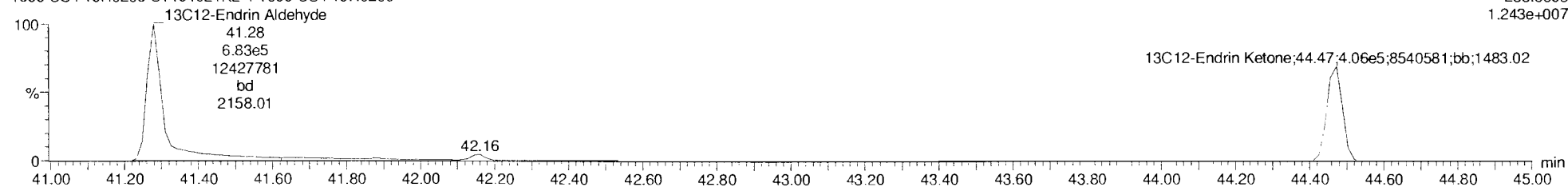
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

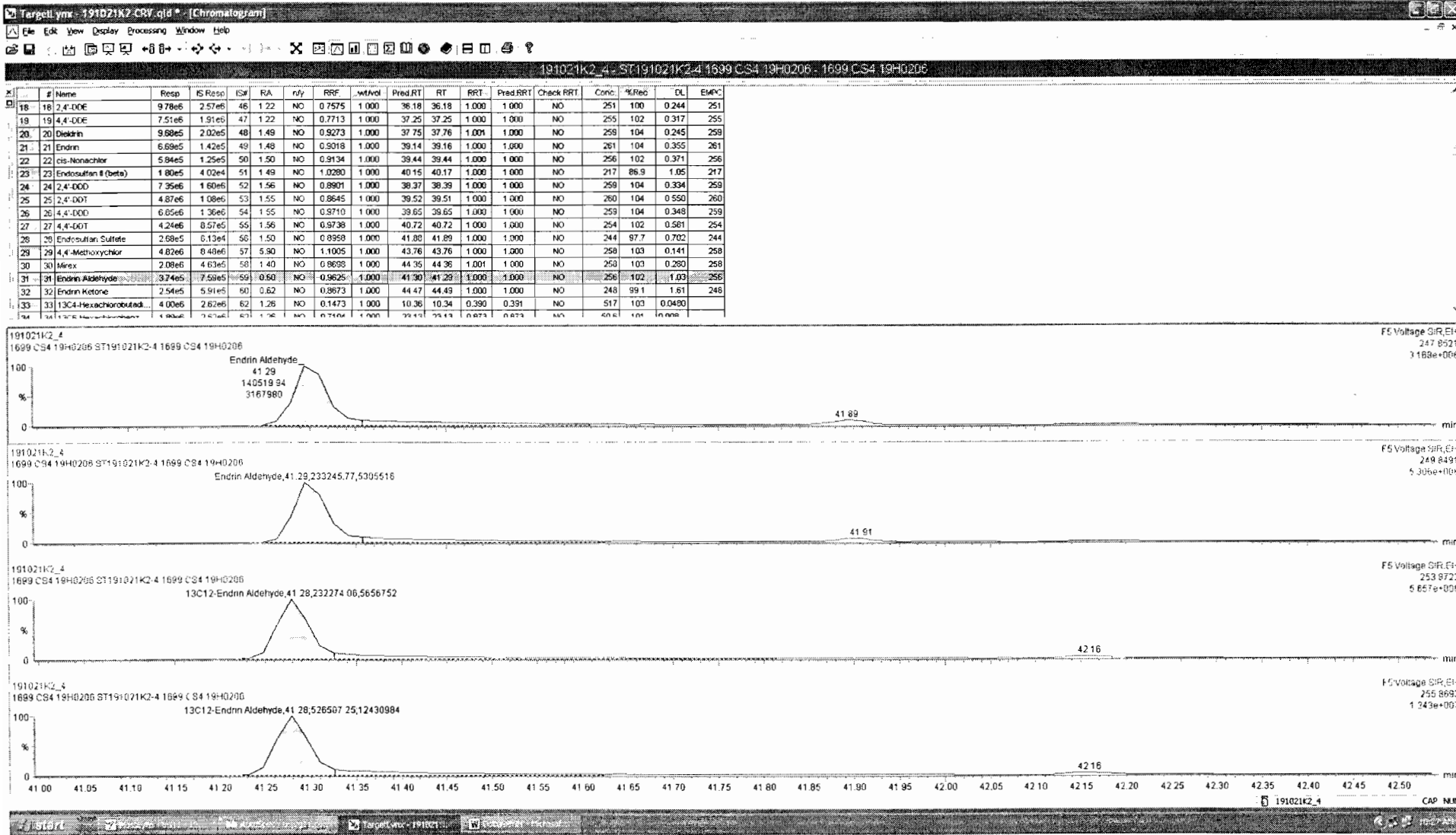
F5:Voltage SIR,El+
253.8722
5.657e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,El+
255.8693
1.243e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

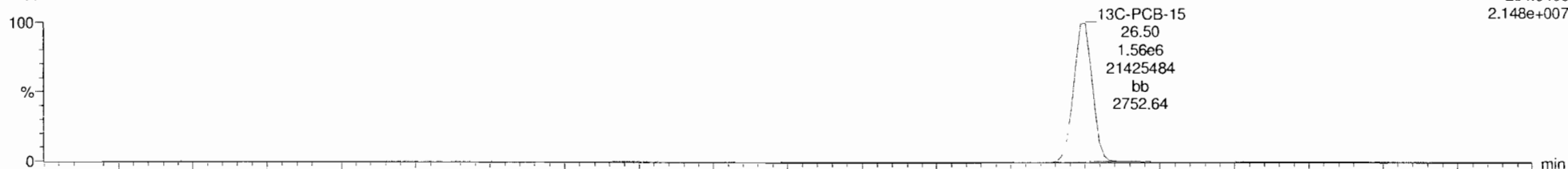
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

13C-PCB-15

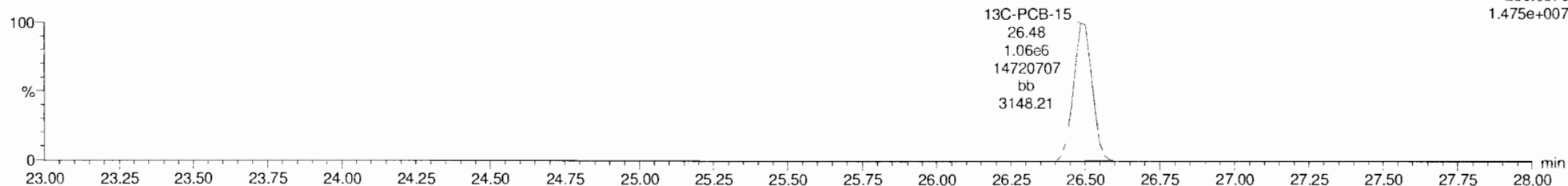
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
234.0406
2.148e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

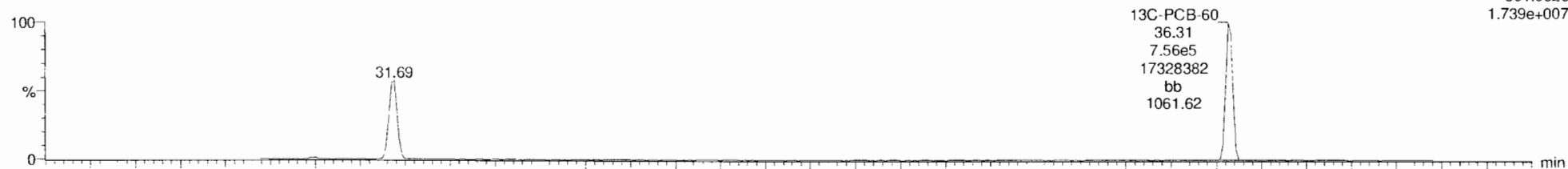
F2:Voltage SIR,EI+
236.0376
1.475e+007



13C-PCB-60

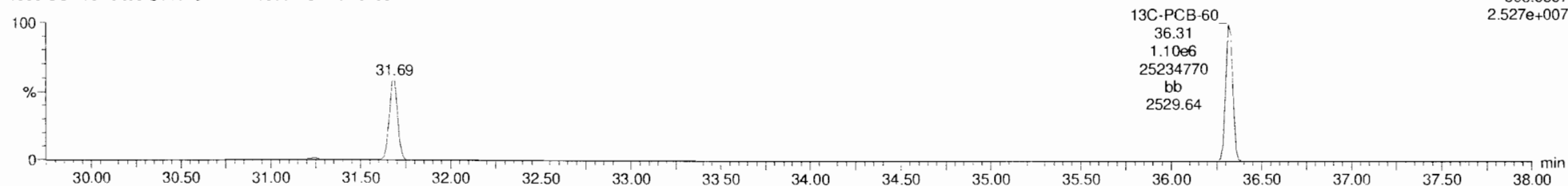
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
301.9626
1.739e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
303.9597
2.527e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

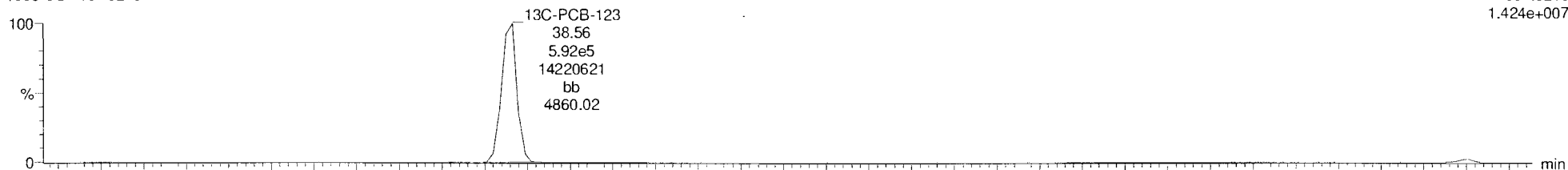
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

13C-PCB-123

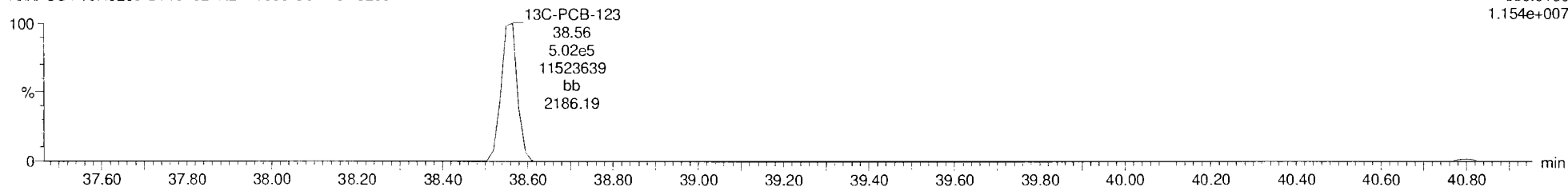
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
337.9210
1.424e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

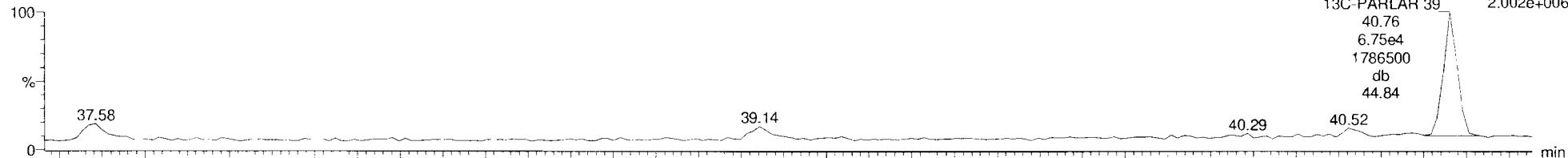
F4:Voltage SIR,EI+
339.9180
1.154e+007



13C-PARLAR 39

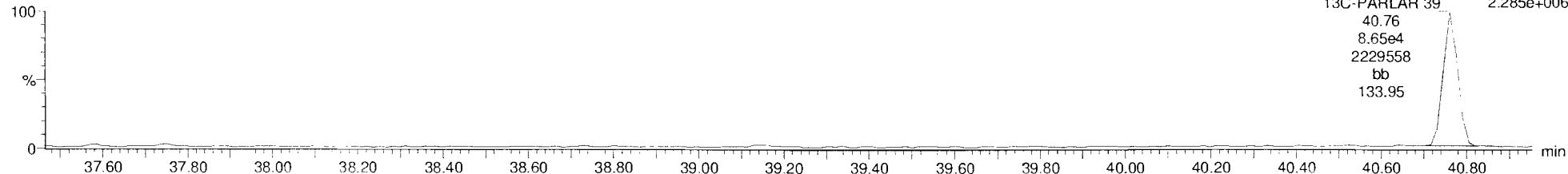
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
251.9648
2.002e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
253.9619
2.285e+006



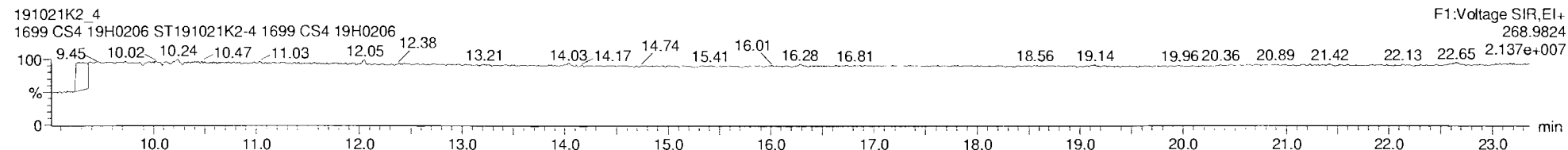
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

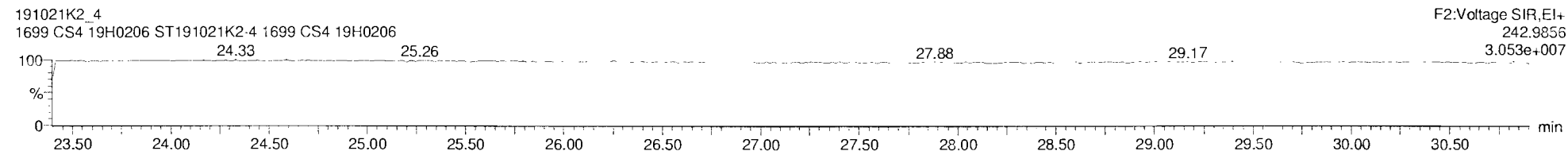
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

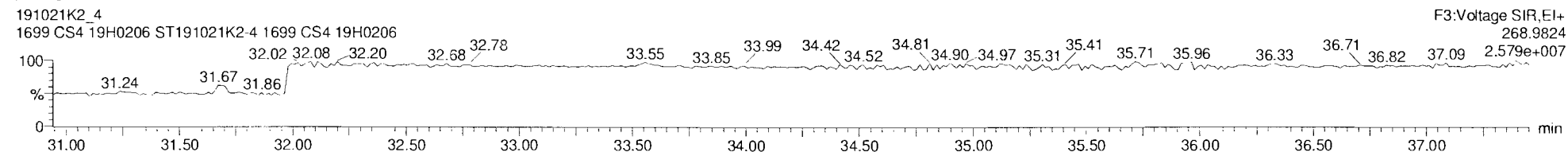
PFK1



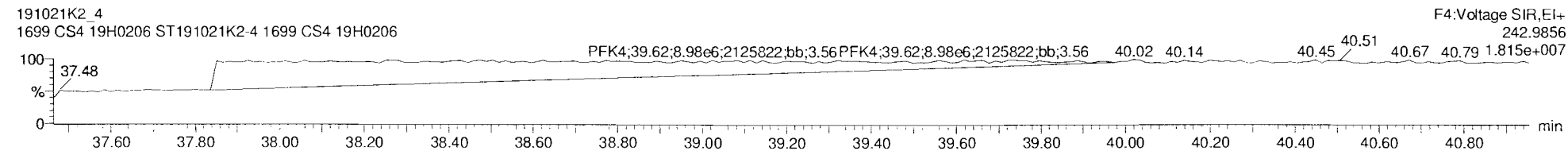
PFK2



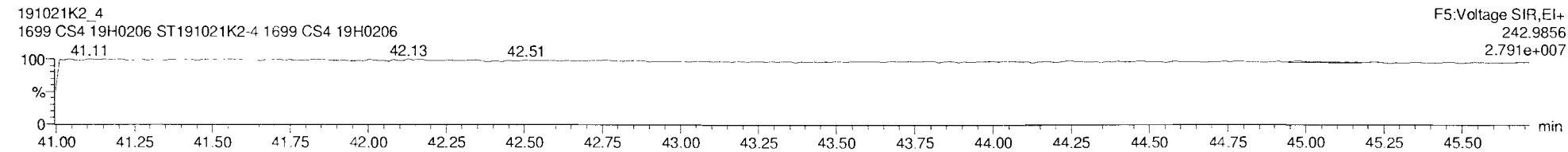
PFK3



PFK4



PFK5



Dataset: Untitled

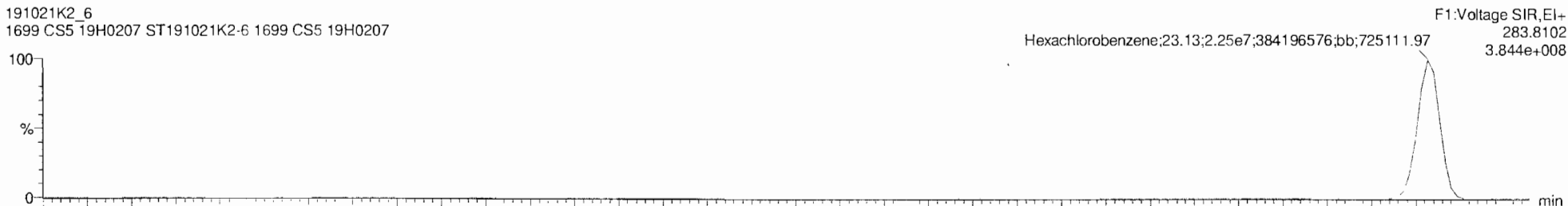
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

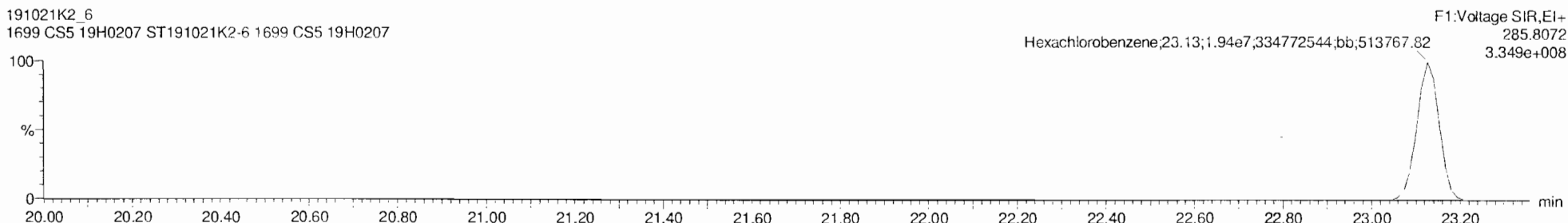
Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Hexachlorobenzene

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

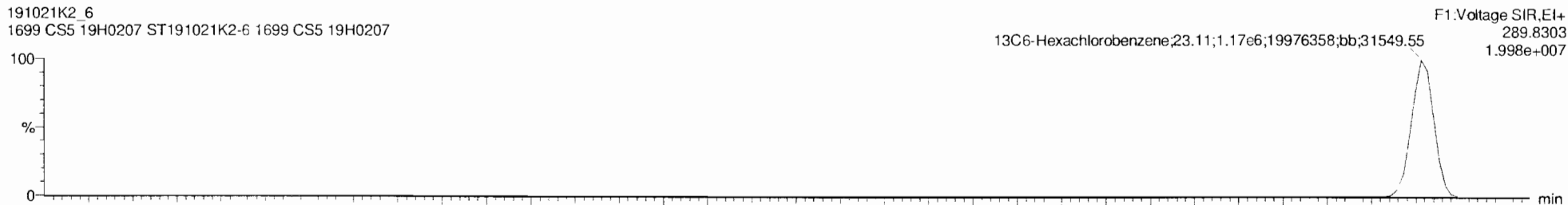


191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

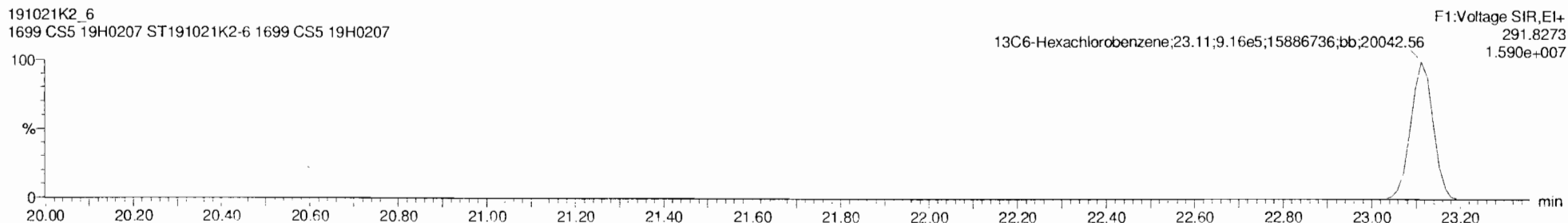


13C6-Hexachlorobenzene

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

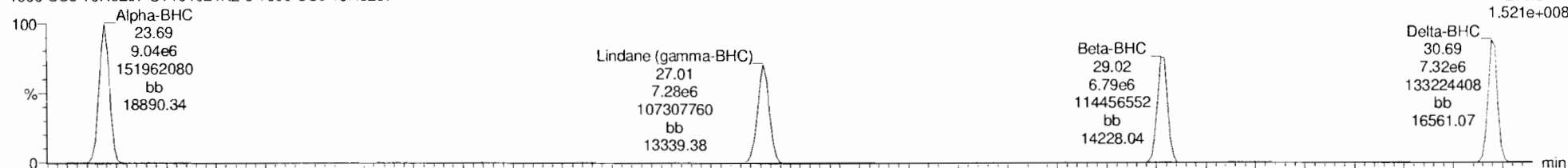
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

BHC Totals

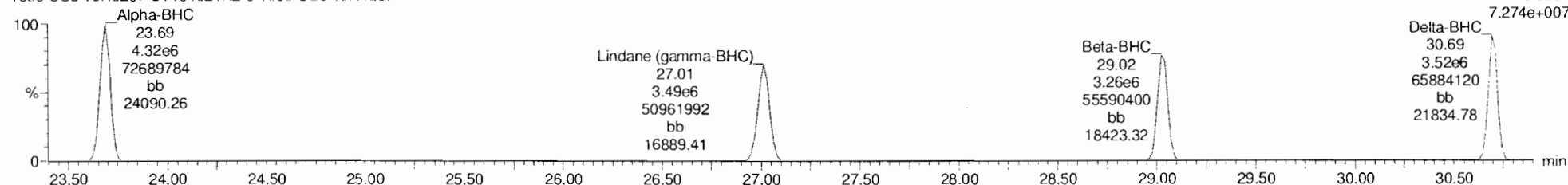
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
218.9116
1.521e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

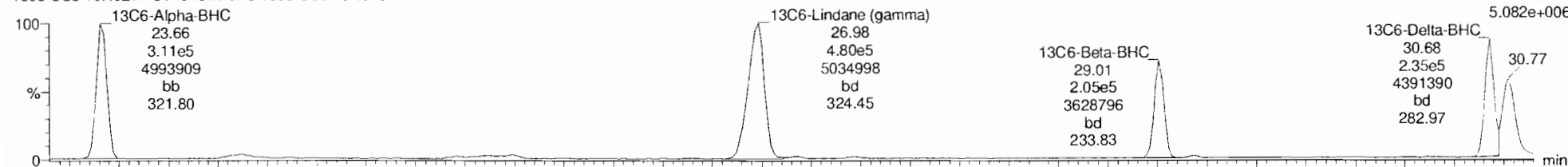
F2:Voltage SIR,EI+
220.9086
7.274e+007



BHC-isotopes

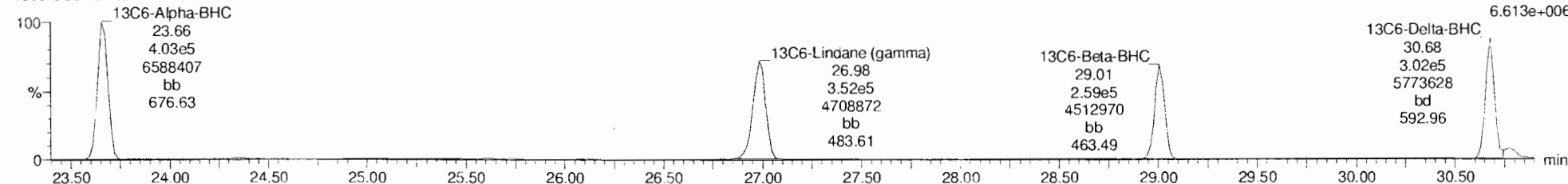
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
222.9346
5.082e+006



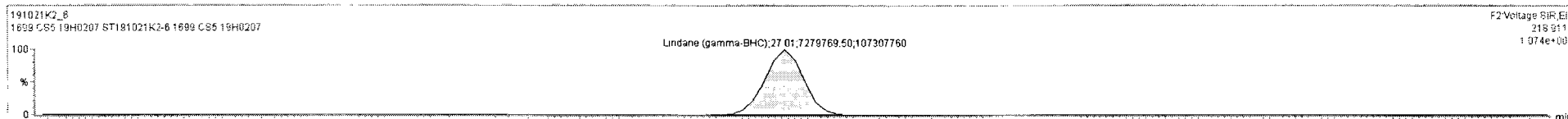
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
224.9317
6.613e+006

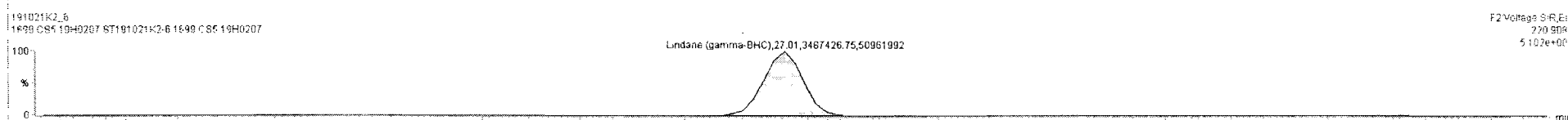


191021K2_6 - ST191021K2-6 1699 CS5 19H0207 - 1699 CS5 19H0207

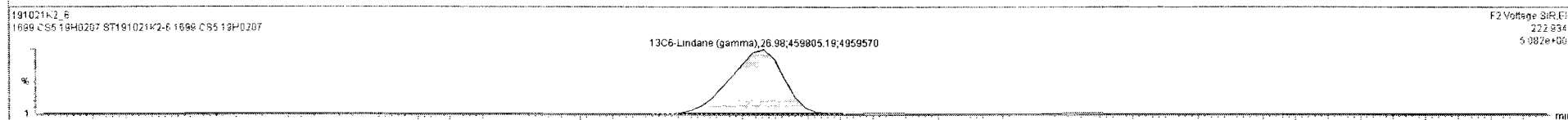
| # | Name | Resp | IS Resp | IS | RA | nly | RRF | wtAve | Pred RT | RT | RRT | Pred RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|--------------------------|--------|---------|----|------|-----|--------|-------|---------|-------|-------|----------|-----------|-------|------|-------|------|
| 1 | Hexachlorobutadiene | 5.01e4 | 3.30e6 | 33 | 0.12 | YES | 0.1188 | 1.000 | 10.34 | 10.35 | 1.001 | 1.000 | NO | 63.9 | 1.07 | 0.106 | 11.8 |
| 2 | Hexachlorobenzene | 4.20e7 | 2.08e6 | 34 | 1.16 | NO | 0.8398 | 1.000 | 23.14 | 23.13 | 1.001 | 1.001 | NO | 1200 | 100 | 0.005 | 1200 |
| 3 | Alpha-BHC | 1.34e7 | 7.14e5 | 35 | 2.10 | NO | 0.7511 | 1.000 | 23.70 | 23.69 | 1.001 | 1.002 | NO | 1250 | 104 | 0.193 | 1250 |
| 4 | Lindane (gamma-BHC) | 1.08e7 | 8.22e5 | 36 | 2.09 | NO | 0.7173 | 1.000 | 27.01 | 27.01 | 1.001 | 1.001 | NO | 913 | 76.1 | 0.261 | 813 |
| 5 | Beta-BHC | 1.01e7 | 4.84e5 | 37 | 2.08 | NO | 0.8703 | 1.000 | 29.02 | 29.02 | 1.001 | 1.000 | NO | 1240 | 104 | 0.232 | 1240 |
| 6 | Delta-BHC | 1.08e7 | 5.37e5 | 38 | 2.08 | NO | 0.8175 | 1.000 | 30.70 | 30.69 | 1.000 | 1.001 | NO | 1230 | 103 | 0.202 | 1230 |
| 7 | Heptachlor | 1.00e7 | 4.55e5 | 39 | 1.05 | NO | 0.8883 | 1.000 | 29.16 | 29.17 | 1.001 | 1.001 | NO | 1270 | 106 | 0.138 | 1270 |
| 8 | 4,4'-DDNU | 1.75e7 | 5.37e5 | 39 | 3.12 | NO | 1.3629 | 1.000 | 30.59 | 30.61 | 0.998 | 0.997 | NO | 1190 | 89.5 | 0.124 | 1190 |
| 9 | Aldrin | 1.22e7 | 5.20e5 | 40 | 1.56 | NO | 0.8459 | 1.000 | 31.27 | 31.26 | 1.001 | 1.001 | NO | 1240 | 100 | 0.105 | 1240 |
| 10 | Oxychlorane | 3.20e6 | 1.40e5 | 41 | 1.58 | NO | 0.5262 | 1.000 | 33.84 | 33.83 | 1.000 | 1.001 | NO | 1230 | 103 | 0.383 | 1230 |
| 11 | cis-Heptachlor Epoxide | 4.21e6 | 1.86e5 | 42 | 1.56 | NO | 0.9366 | 1.000 | 34.63 | 34.62 | 1.000 | 1.001 | NO | 1210 | 101 | 0.257 | 1210 |
| 12 | trans-Heptachlor Epoxide | 1.08e6 | 1.86e5 | 42 | 1.57 | NO | 0.2284 | 1.000 | 35.12 | 35.12 | 1.015 | 1.015 | NO | 1220 | 101 | 1.01 | 1220 |
| 13 | trans-Chlordane (gamma) | 3.57e6 | 1.60e5 | 43 | 1.54 | NO | 0.9004 | 1.000 | 35.53 | 35.53 | 1.000 | 1.001 | NO | 1080 | 90.3 | 0.298 | 1080 |
| 14 | trans-Nonachlor | 3.60e6 | 1.76e5 | 44 | 1.55 | NO | 0.9021 | 1.000 | 35.71 | 35.72 | 1.001 | 1.001 | NO | 1130 | 94.6 | 0.299 | 1130 |
| 15 | cis-Chlordane | 3.87e6 | 1.76e5 | 44 | 1.55 | NO | 0.8988 | 1.000 | 36.20 | 36.20 | 1.014 | 1.015 | NO | 1160 | 96.7 | 0.301 | 1160 |
| 16 | Endosulfan I (alpha) | 2.29e6 | 1.38e5 | 45 | 1.56 | NO | 1.0348 | 1.000 | 36.31 | 36.30 | 1.000 | 1.001 | NO | 800 | 66.7 | 0.338 | 800 |



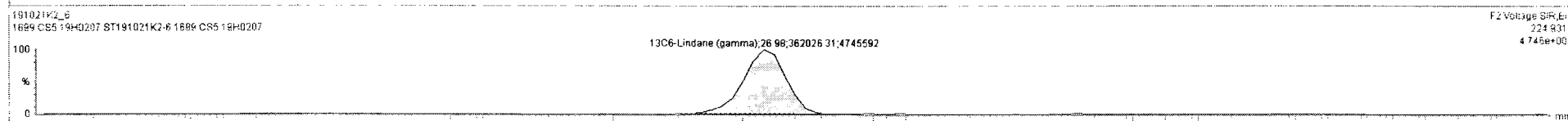
F2 Voltage SIR.EI+
215.9116
1.074e+088



F2 Voltage SIR.EI+
220.8086
5.102e+067



F2 Voltage SIR.EI+
222.8346
5.982e+066



F2 Voltage SIR.EI+
224.9317
4.745e+066

Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

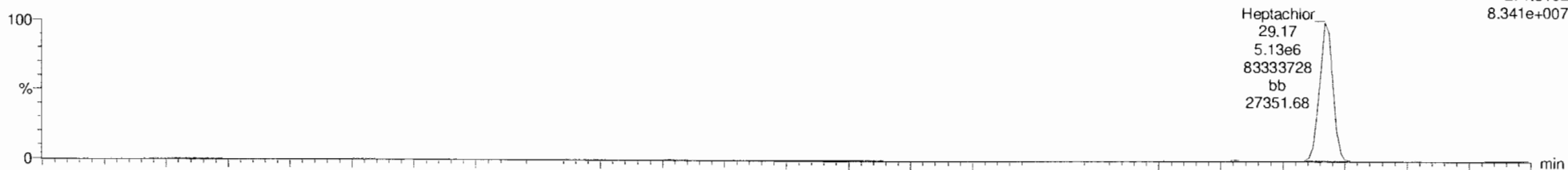
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Heptachlor

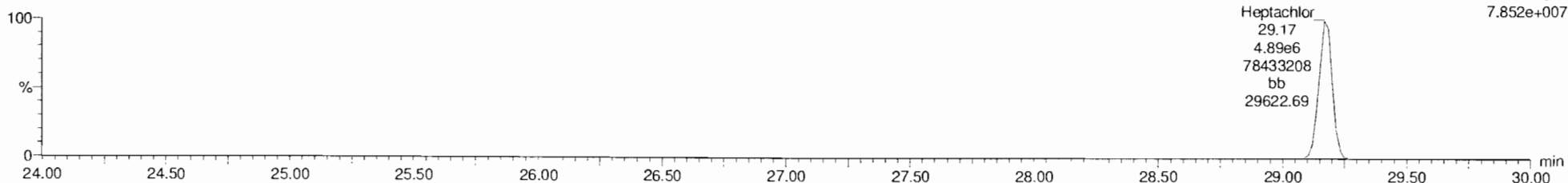
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
271.8102
8.341e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

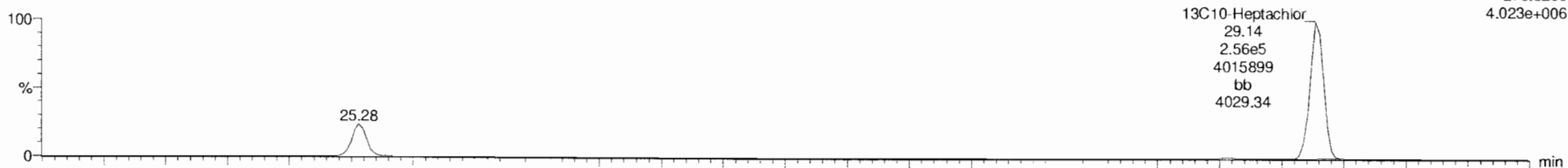
F2:Voltage SIR,EI+
273.8072
7.852e+007



13C10-Heptachlor

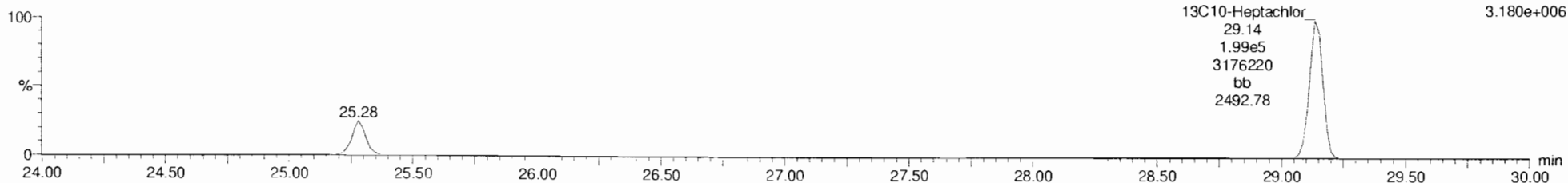
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
276.8269
4.023e+006



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
278.8240
3.180e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

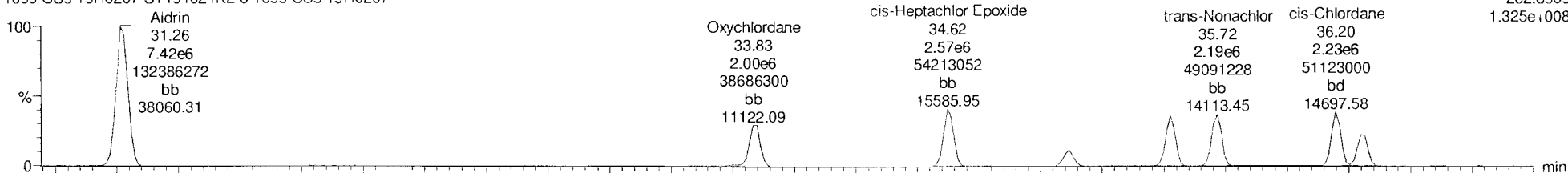
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Aldrin-EI

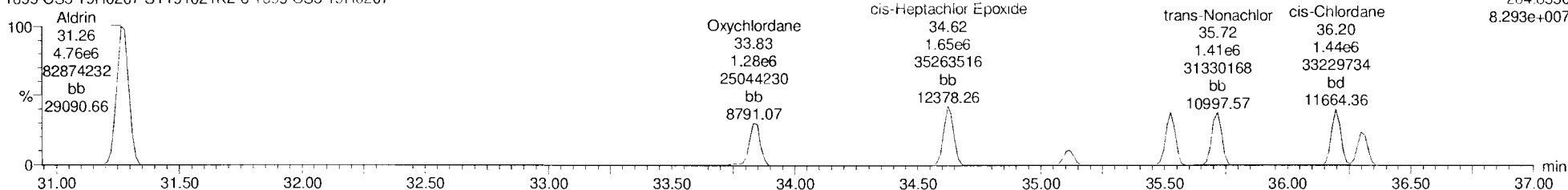
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
262.8569
1.325e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

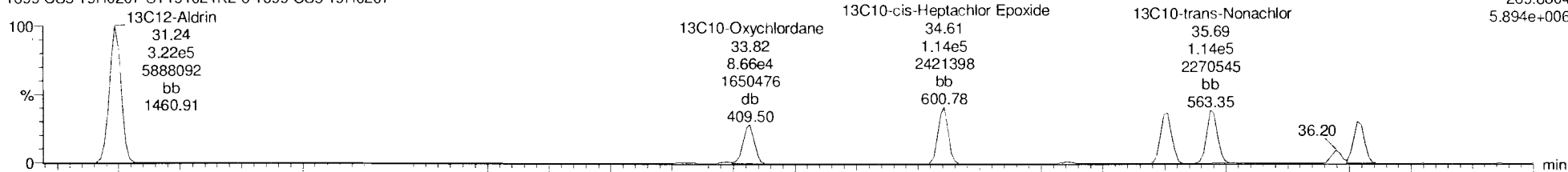
F3:Voltage SIR,EI+
264.8550
8.293e+007



Aldrin-EI-isotopes

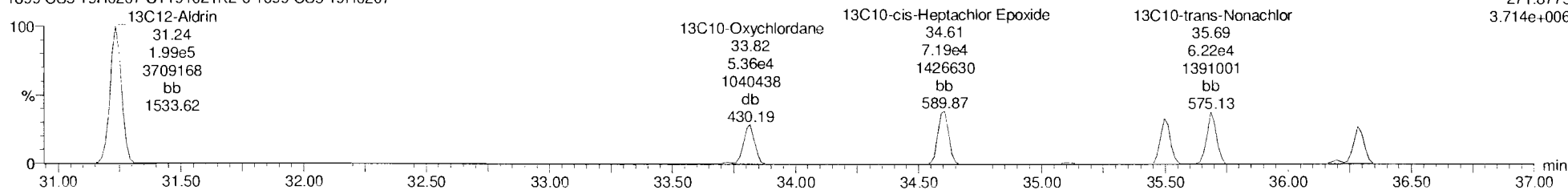
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

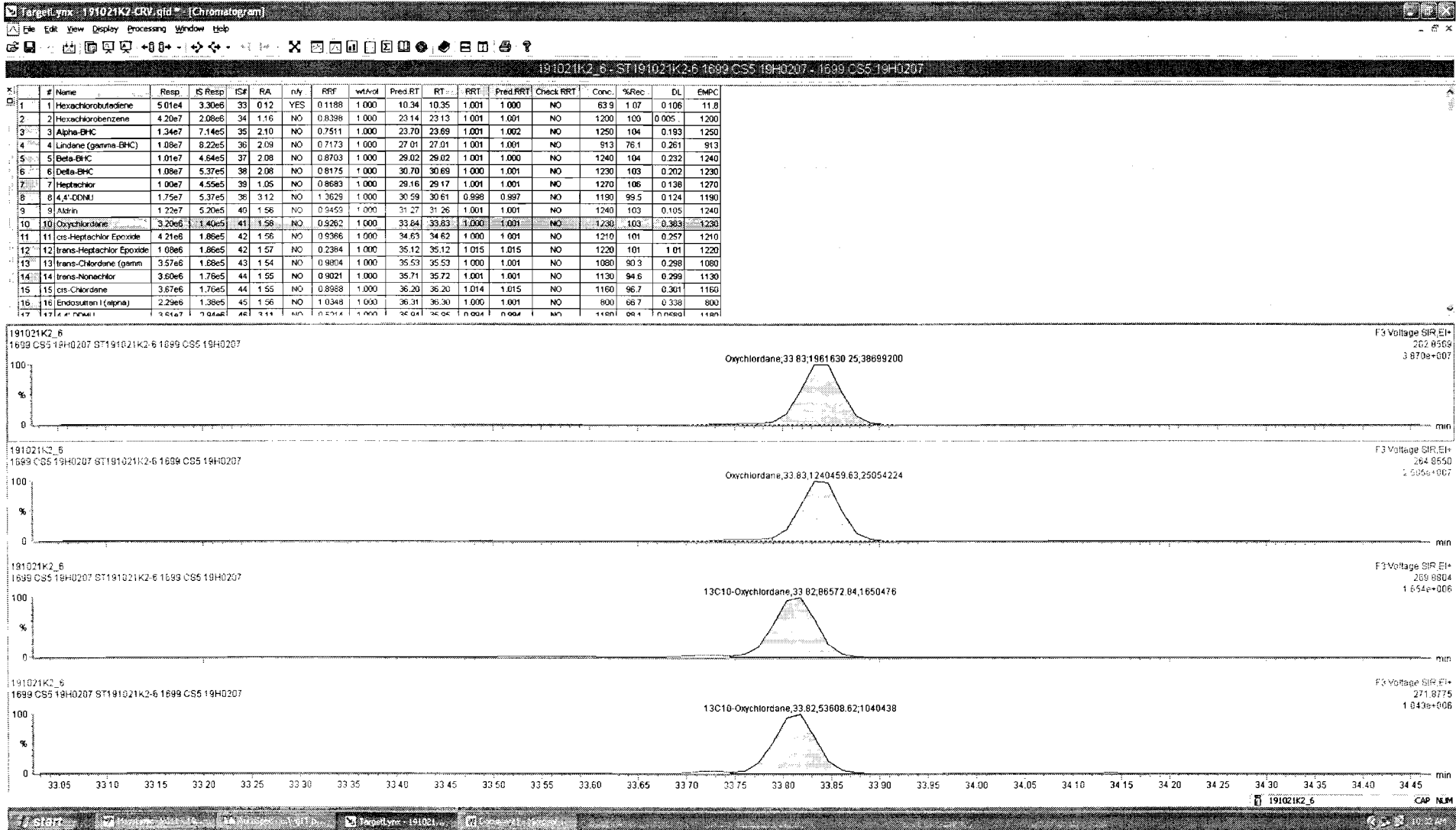
F3:Voltage SIR,EI+
269.8804
5.894e+006

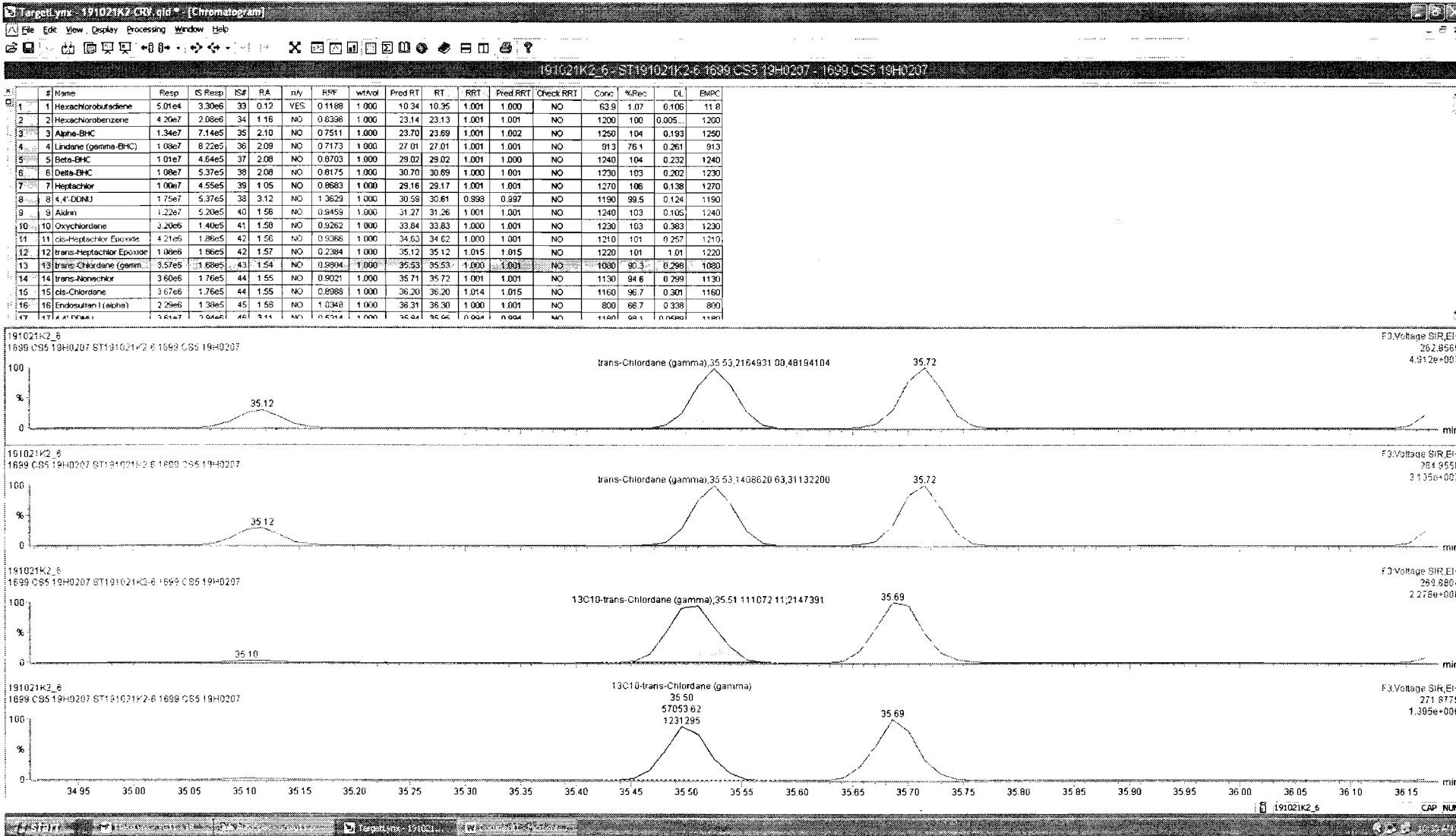


191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
271.8775
3.714e+006

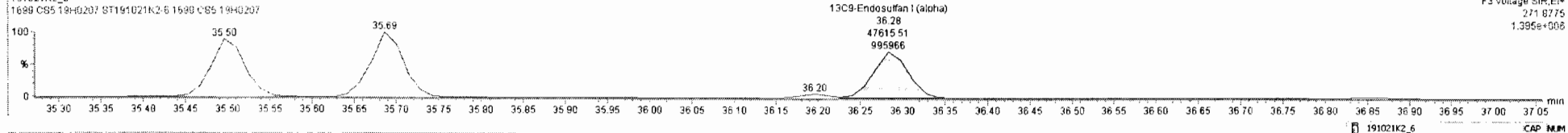
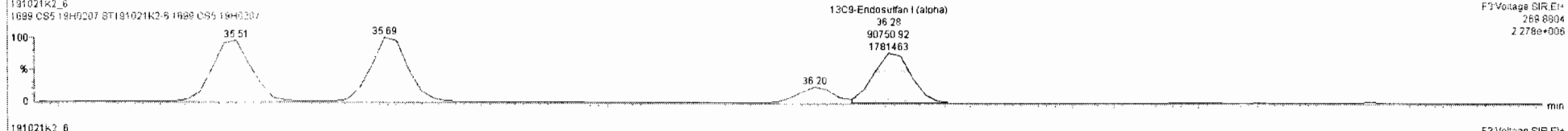
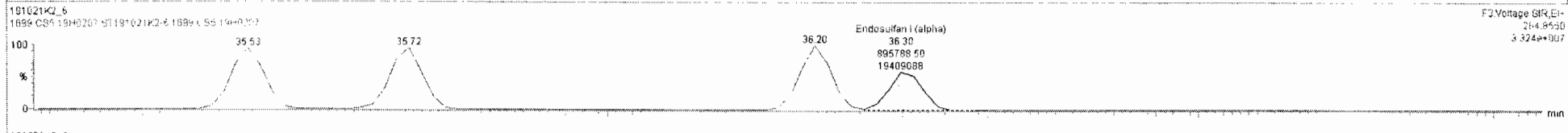
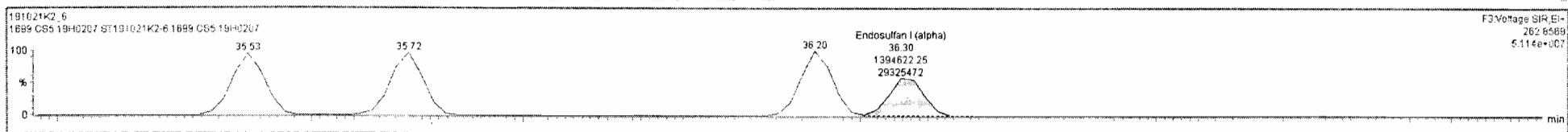






191021K2_6 - ST191021K2-6 1699 CS5 19H0207 - 1699 CS5 19H0207

| # | Name | Resp | IS Resp | IS# | RA | n/y | RF | w/kol | Pred RT | RT | RRT | Pred RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|-----------------------------------|--------|---------|-----|------|-----|--------|-------|---------|-------|-------|----------|-----------|-------|------|--------|------|
| 1 | Hexachlorobutadiene | 5.01e4 | 3.30e5 | 33 | 0.12 | YES | 0.1188 | 1.000 | 10.34 | 10.35 | 1.001 | 1.000 | NO | 63.8 | 1.07 | 0.106 | 11.8 |
| 2 | Hexachlorobenzene | 4.20e7 | 2.03e6 | 34 | 1.16 | NO | 0.8398 | 1.000 | 23.14 | 23.13 | 1.001 | 1.001 | NO | 1200 | 100 | 0.005 | 1200 |
| 3 | Alpha-BHC | 1.34e7 | 7.14e5 | 35 | 2.10 | NO | 0.7511 | 1.000 | 23.70 | 23.69 | 1.001 | 1.002 | NO | 1250 | 104 | 0.193 | 1250 |
| 4 | Lindene (gamma-BHC) | 1.08e7 | 8.22e5 | 36 | 2.09 | NO | 0.7173 | 1.000 | 27.01 | 27.01 | 1.001 | 1.001 | NO | 913 | 76.1 | 0.261 | 913 |
| 5 | Beta-BHC | 1.01e7 | 4.64e5 | 37 | 2.08 | NO | 0.8703 | 1.000 | 29.02 | 29.02 | 1.001 | 1.000 | NO | 1240 | 104 | 0.232 | 1240 |
| 6 | Delta-BHC | 1.09e7 | 5.37e5 | 38 | 2.08 | NO | 0.8175 | 1.000 | 30.70 | 30.69 | 1.000 | 1.001 | NO | 1230 | 103 | 0.202 | 1230 |
| 7 | Heptachlor | 1.00e7 | 4.55e5 | 39 | 1.05 | NO | 0.8683 | 1.000 | 29.16 | 29.17 | 1.001 | 1.001 | NO | 1270 | 106 | 0.138 | 1270 |
| 8 | 4,4-DDNU | 1.75e7 | 5.37e5 | 38 | 3.12 | NO | 1.3629 | 1.000 | 30.59 | 30.61 | 0.998 | 0.997 | NO | 1190 | 89.5 | 0.124 | 1190 |
| 9 | Aldrin | 1.22e7 | 5.20e5 | 40 | 1.56 | NO | 0.9459 | 1.000 | 31.27 | 31.26 | 1.001 | 1.001 | NO | 1240 | 103 | 0.105 | 1240 |
| 10 | Oxychlorane | 3.20e6 | 1.40e5 | 41 | 1.58 | NO | 0.9262 | 1.000 | 33.84 | 33.03 | 1.000 | 1.001 | NO | 1230 | 103 | 0.383 | 1230 |
| 11 | cis-Heptachlor Epoxide | 4.21e6 | 1.86e5 | 42 | 1.56 | NO | 0.9355 | 1.000 | 34.63 | 34.62 | 1.000 | 1.001 | NO | 1210 | 101 | 0.257 | 1210 |
| 12 | trans-Heptachlor Epoxide | 1.08e6 | 1.86e5 | 42 | 1.57 | NO | 0.9384 | 1.000 | 35.12 | 35.12 | 1.015 | 1.015 | NO | 1220 | 101 | 1.01 | 1220 |
| 13 | trans-Chlordane (gamma) | 3.57e6 | 1.68e5 | 43 | 1.54 | NO | 0.9604 | 1.000 | 35.53 | 35.53 | 1.000 | 1.001 | NO | 1080 | 90.3 | 0.296 | 1080 |
| 14 | trans-Nonachlor | 3.60e6 | 1.76e5 | 44 | 1.55 | NO | 0.9021 | 1.000 | 35.71 | 35.72 | 1.001 | 1.001 | NO | 1130 | 94.6 | 0.299 | 1130 |
| 15 | cis-Chlordane | 3.67e6 | 1.76e5 | 44 | 1.55 | NO | 0.8988 | 1.000 | 36.20 | 36.20 | 1.014 | 1.015 | NO | 1160 | 96.7 | 0.301 | 1160 |
| 16 | Endosulfan I (alpha) | 2.29e6 | 1.38e5 | 45 | 1.56 | NO | 1.0348 | 1.000 | 36.31 | 36.30 | 1.000 | 1.001 | NO | 900 | 66.7 | 0.338 | 900 |
| 17 | 1,2,3,4,5,6-hexachlorocyclohexane | 5.61e7 | 2.66e6 | 46 | 3.11 | NO | 0.6714 | 1.000 | 36.04 | 36.06 | 0.994 | 0.994 | NO | 1180 | 98.1 | 0.0680 | 1180 |



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

DDMU-DDE

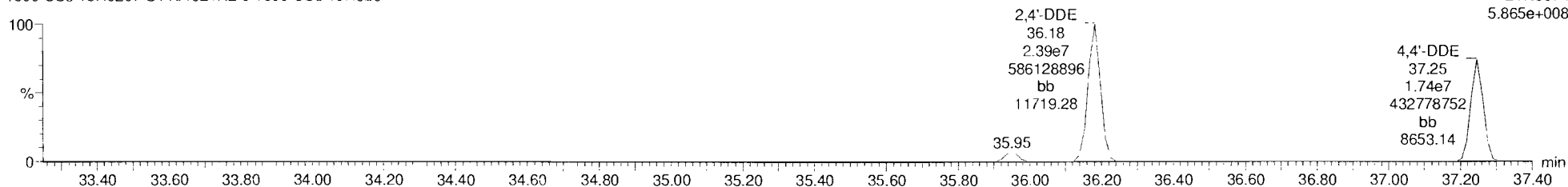
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
246.0003
7.303e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

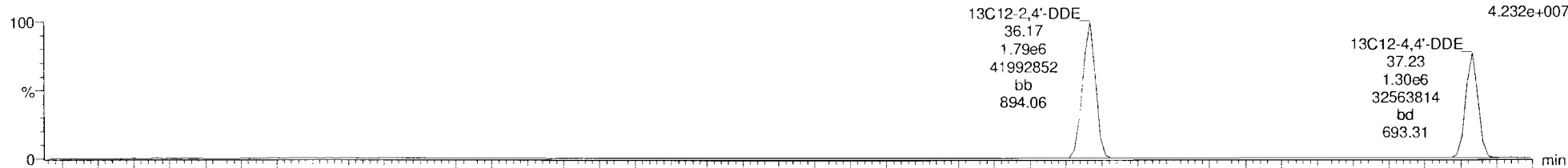
F3:Voltage SIR,EI+
247.9974
5.865e+008



DDE-isotopes

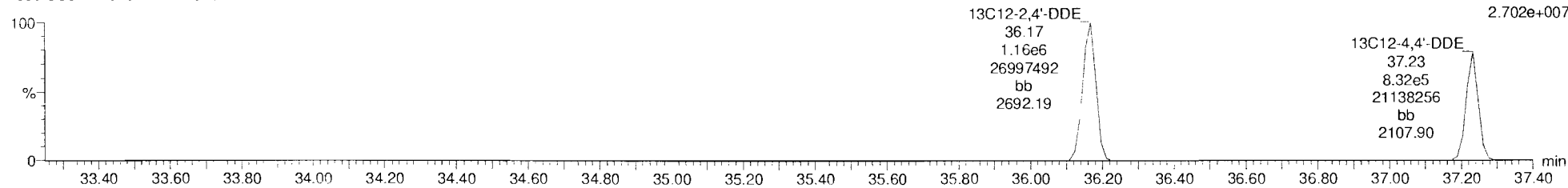
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
258.0406
4.232e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
260.0376
2.702e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

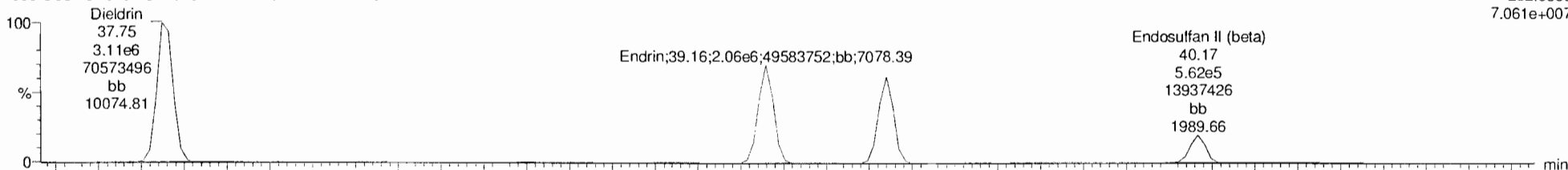
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Dieldrin-EII

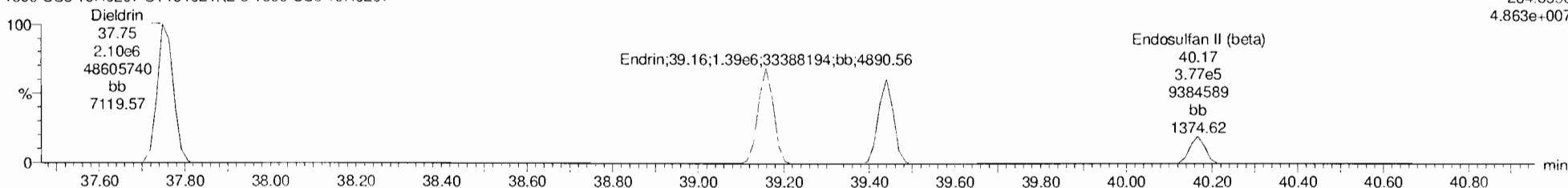
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR, EI+
262.8569
7.061e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

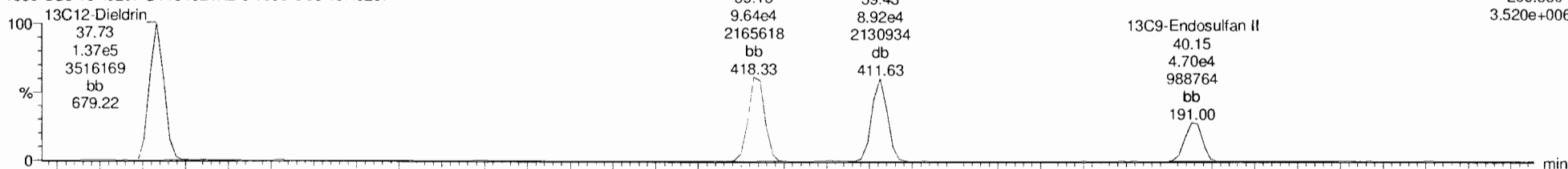
F4:Voltage SIR, EI+
264.8550
4.863e+007



Dieldrin-EII-isotopes

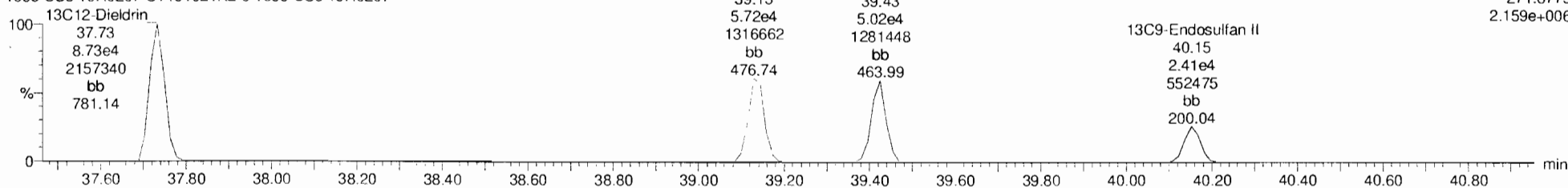
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

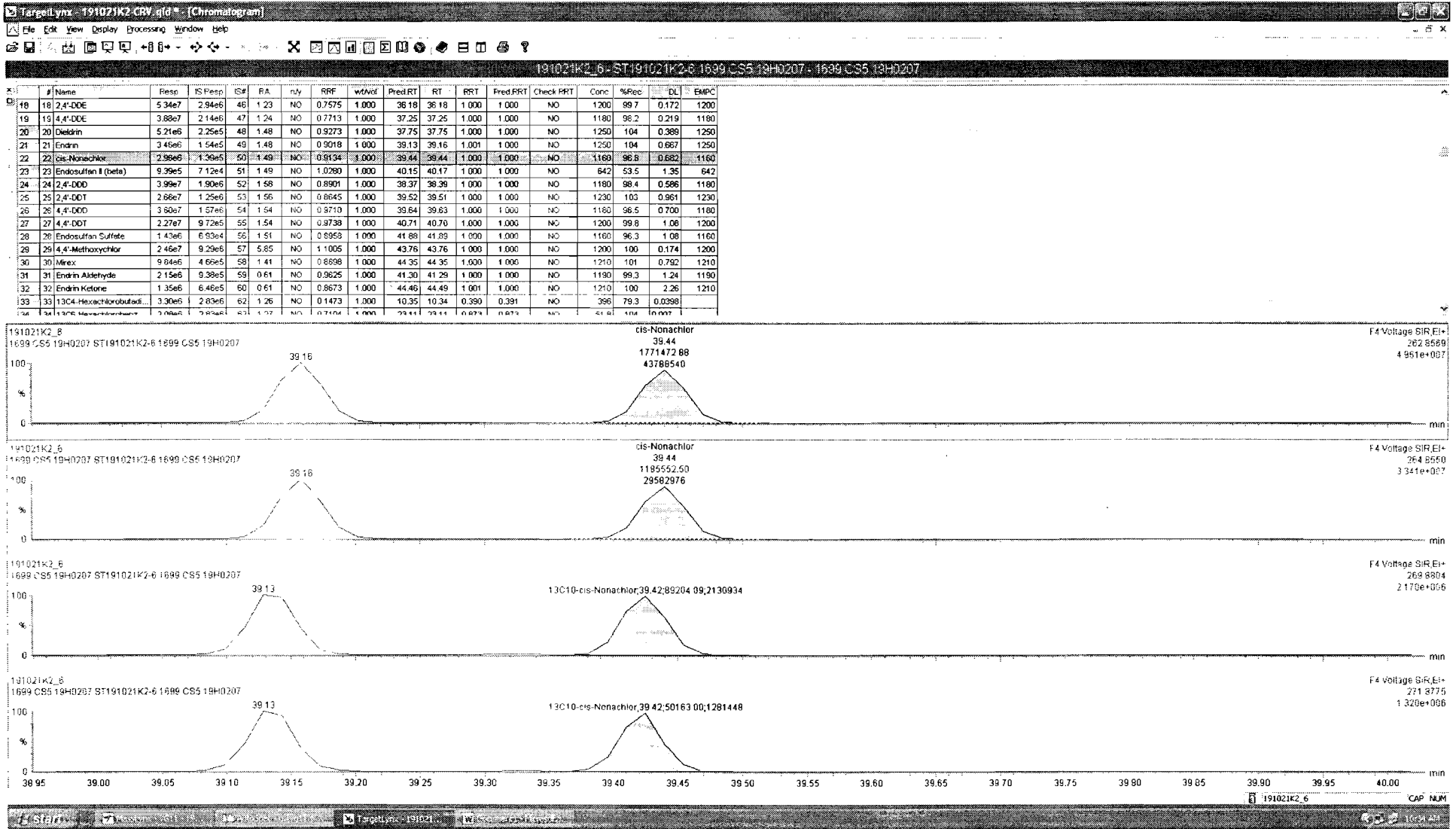
F4:Voltage SIR, EI+
269.8804
3.520e+006



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR, EI+
271.8775
2.159e+006



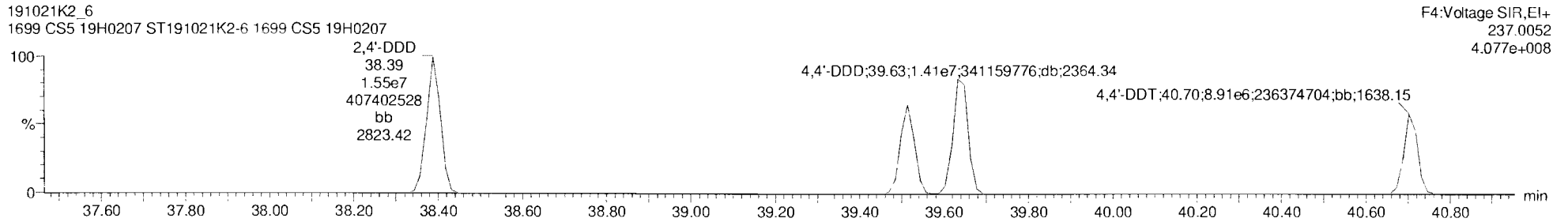
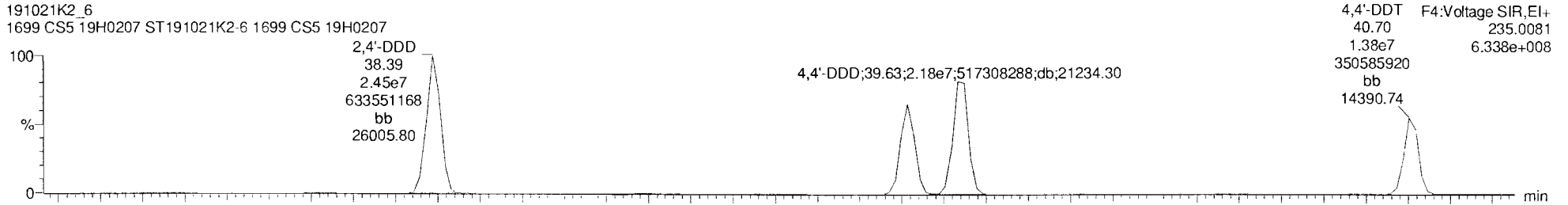


Dataset: Untitled

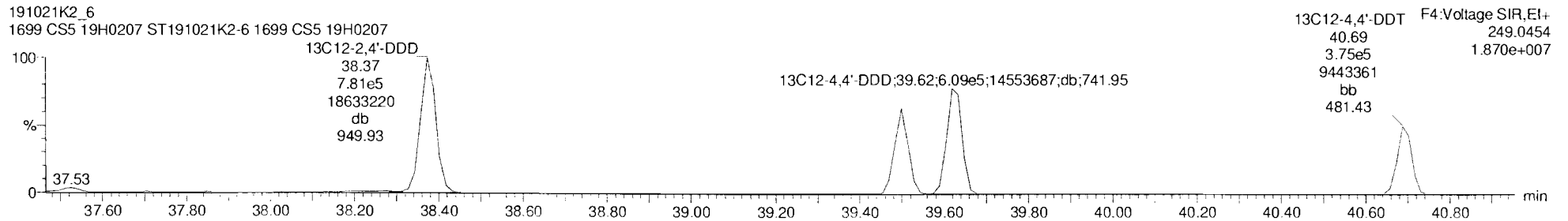
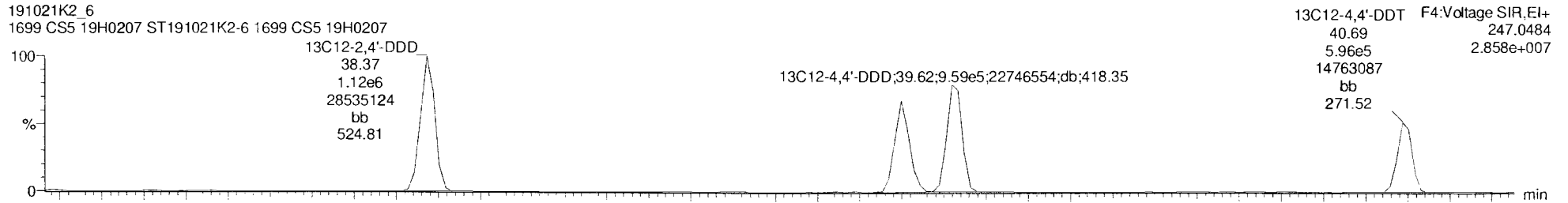
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

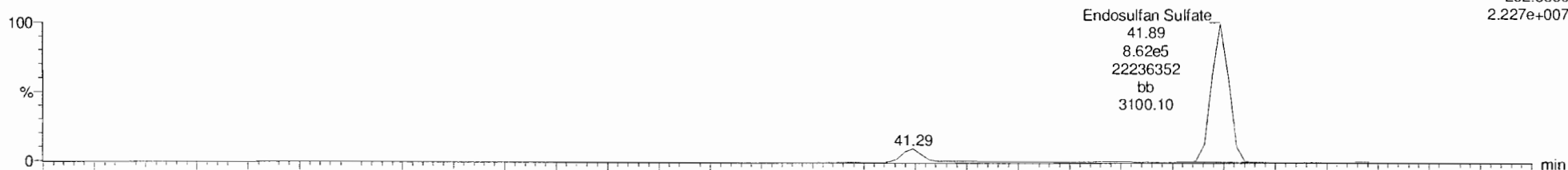
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Endosulfan Sulfate

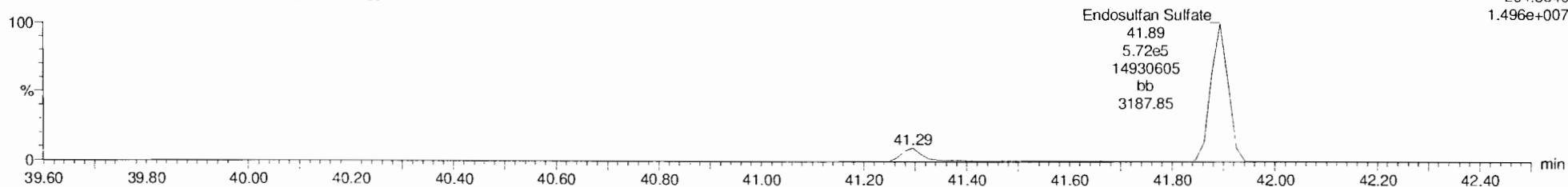
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
262.8569
2.227e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

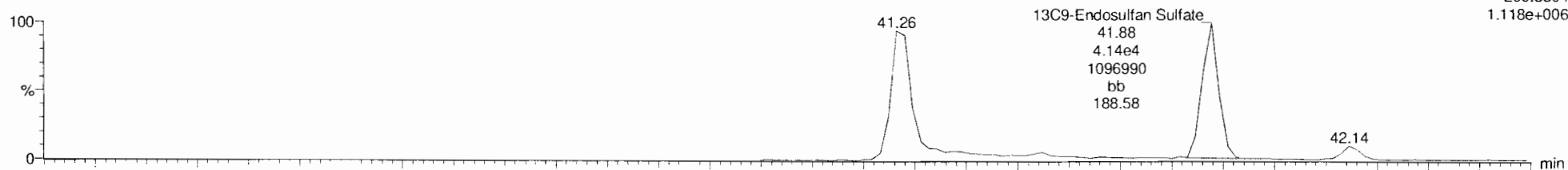
F5:Voltage SIR,EI+
264.8540
1.496e+007



13C9-Endosulfan Sulfate

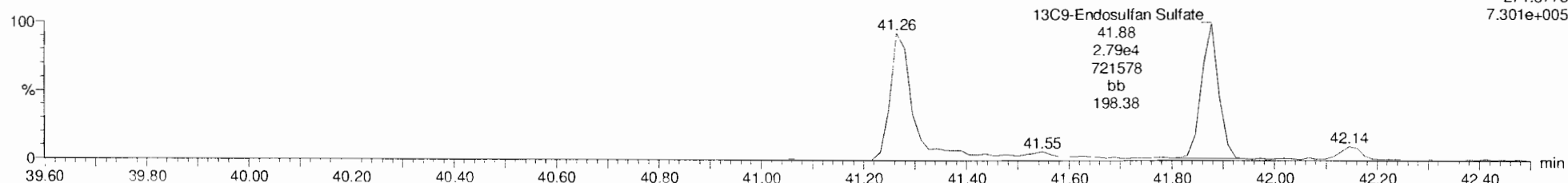
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
269.8804
1.118e+006



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
271.8775
7.301e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

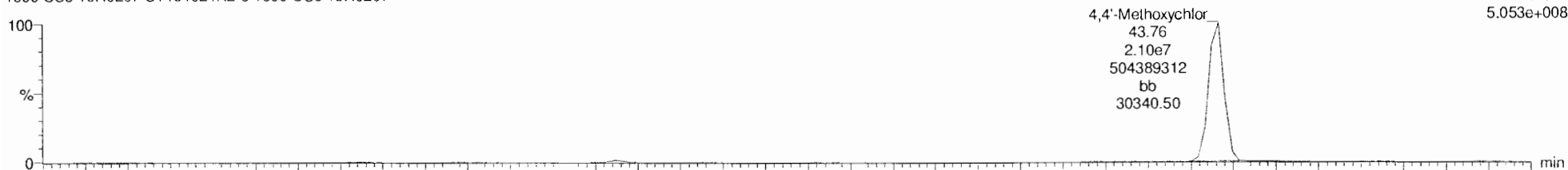
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

4,4'-Methoxychlor

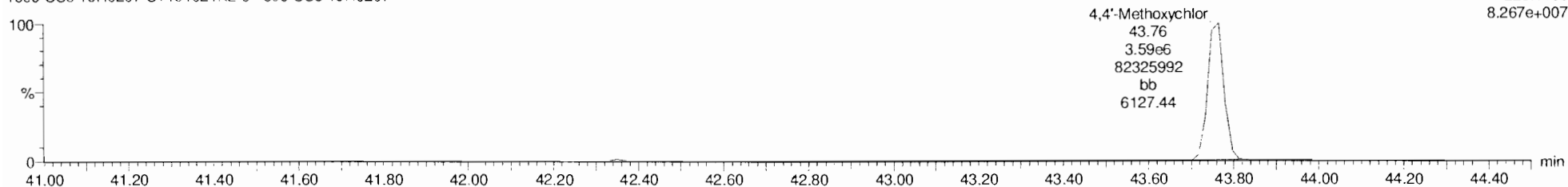
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
227.1072
5.053e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

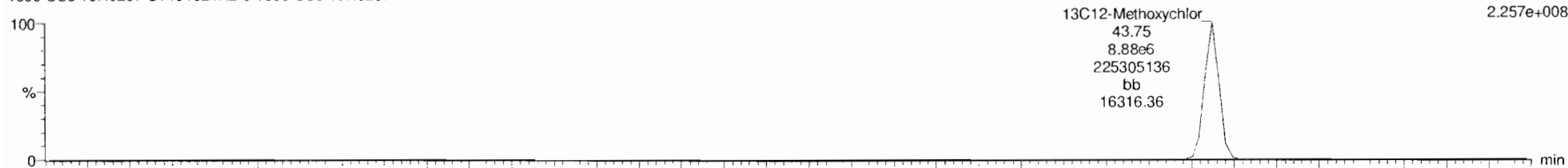
F5:Voltage SIR,EI+
228.1106
8.267e+007



13C12-Methoxychlor

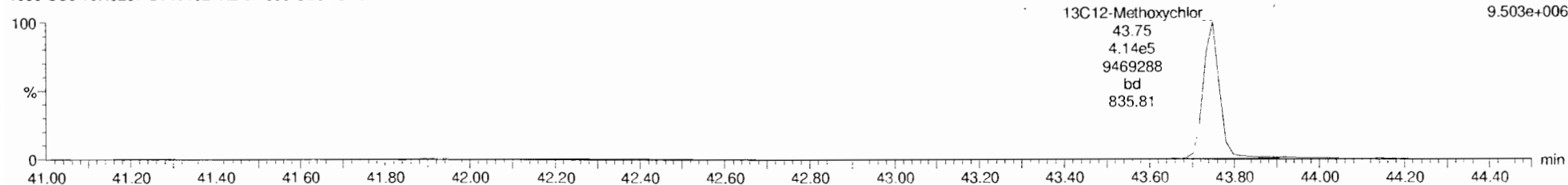
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
239.1475
2.257e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
240.1508
9.503e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

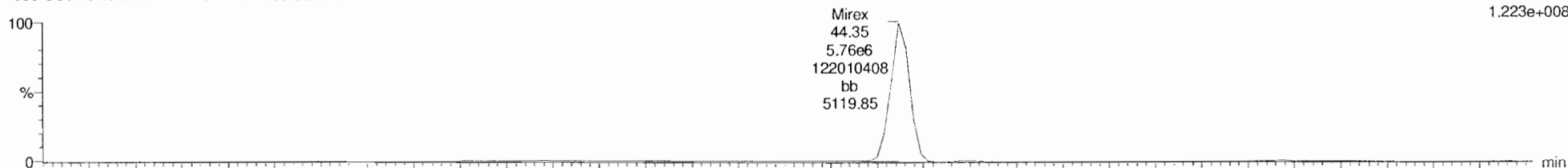
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Mirex

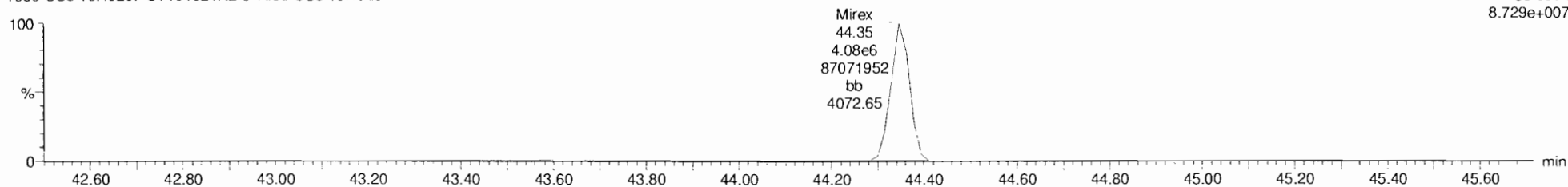
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
236.8413
1.223e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

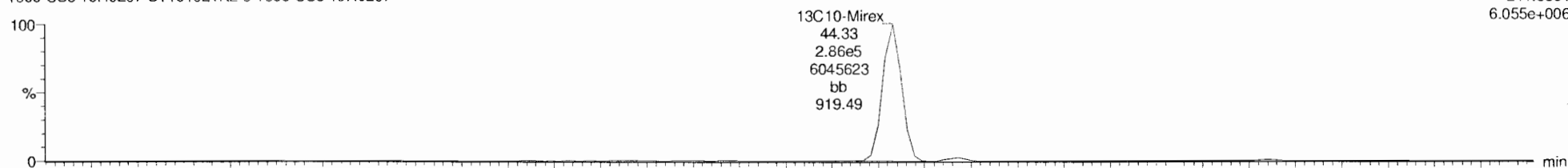
F5:Voltage SIR,EI+
238.8384
8.729e+007



13C10-Mirex

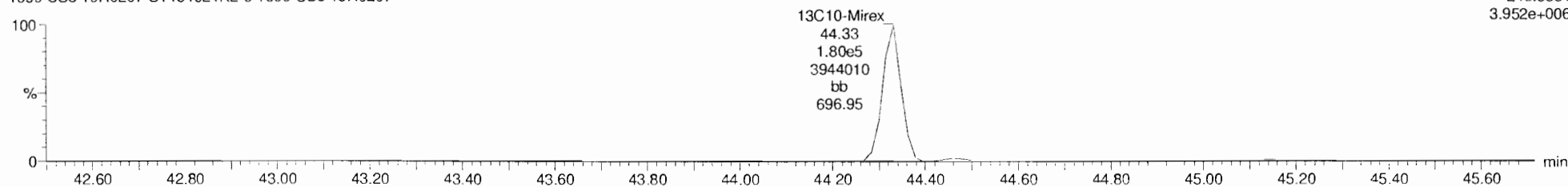
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
241.8581
6.055e+006



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
243.8551
3.952e+006



Dataset: Untitled

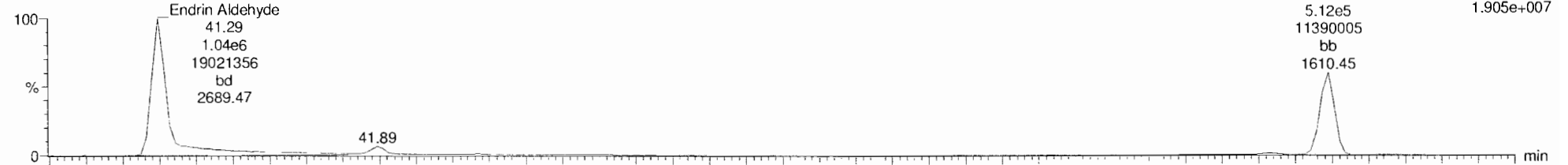
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

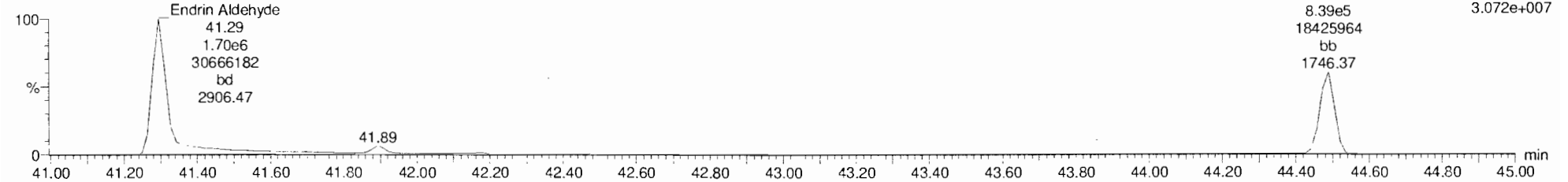
Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

EA-EK

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

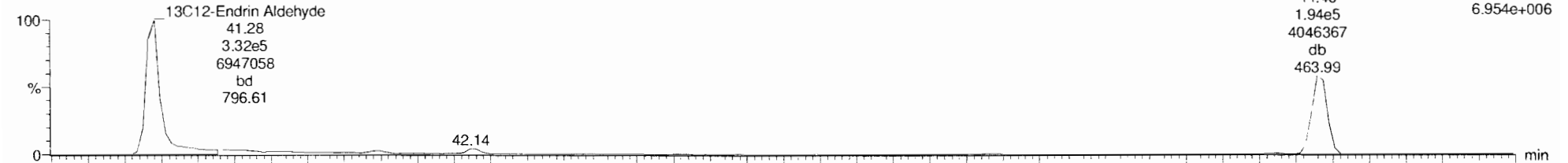


191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

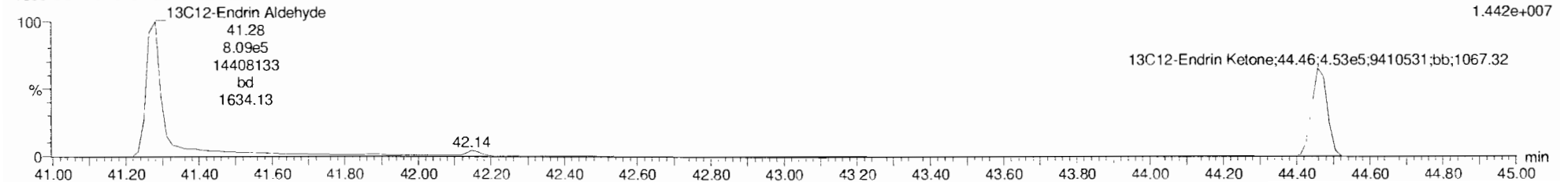


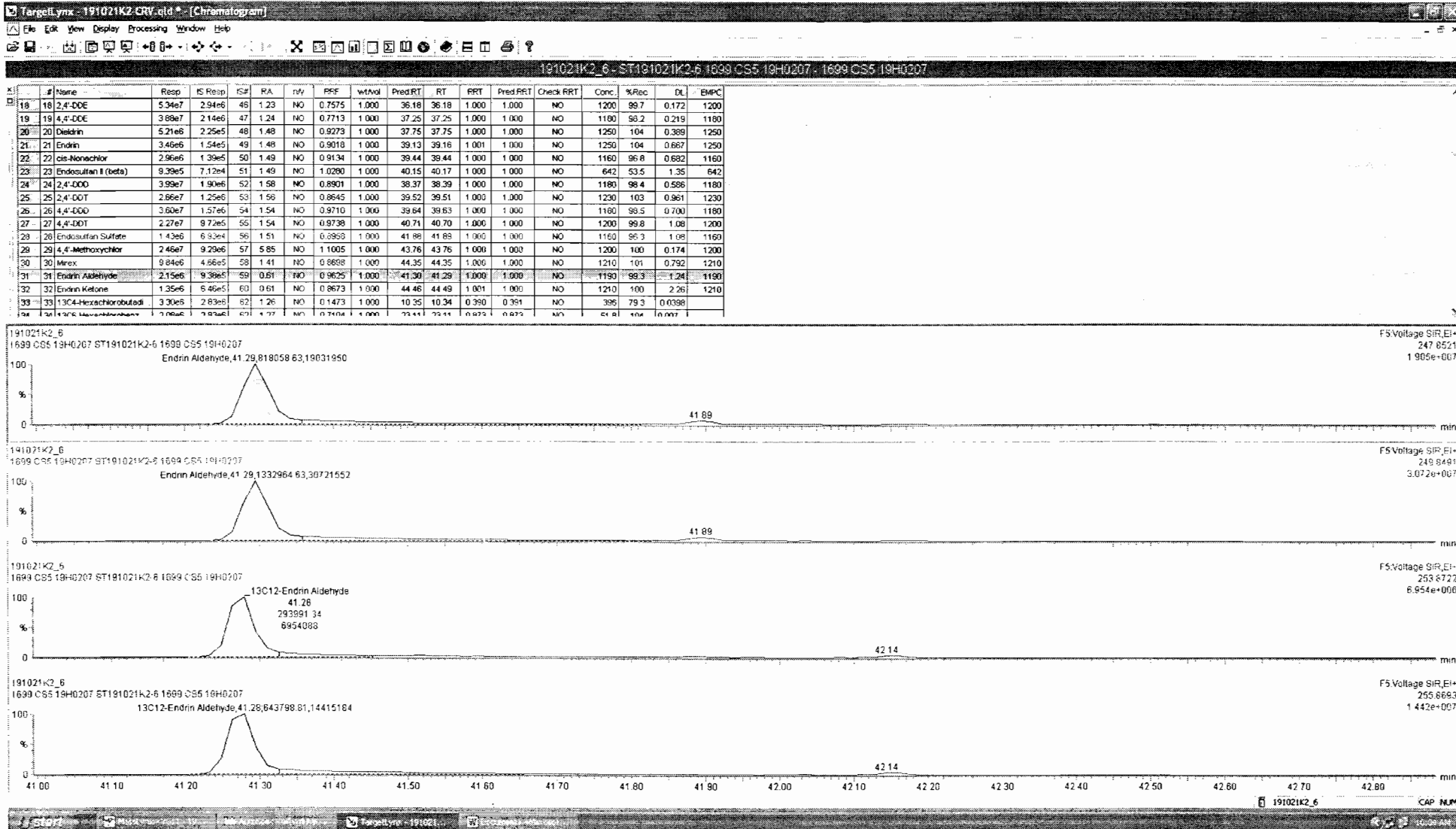
EA-EK-isotopes

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207





Dataset: Untitled

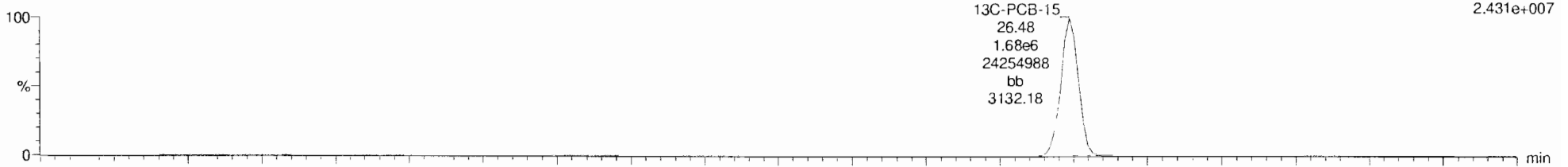
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

13C-PCB-15

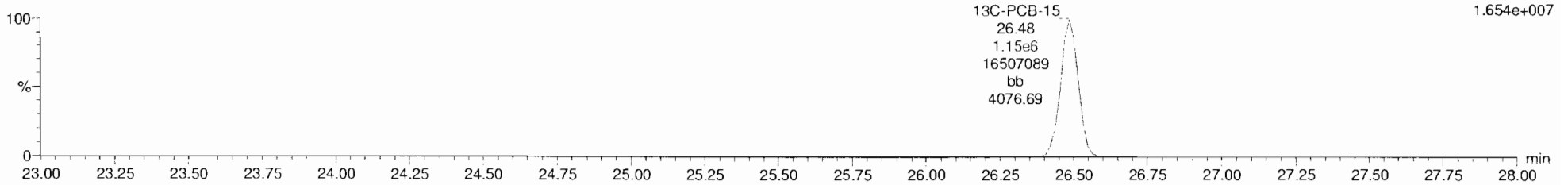
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
234.0406
2.431e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

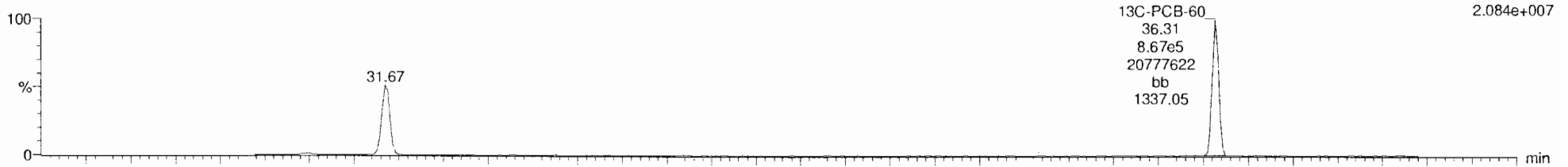
F2:Voltage SIR,EI+
236.0376
1.654e+007



13C-PCB-60

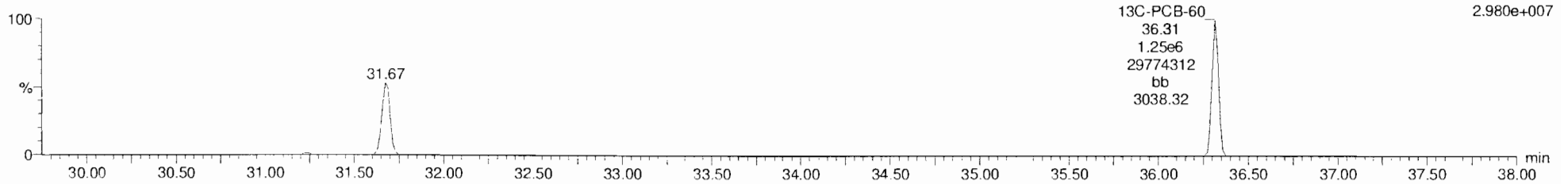
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
301.9626
2.084e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
303.9597
2.980e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

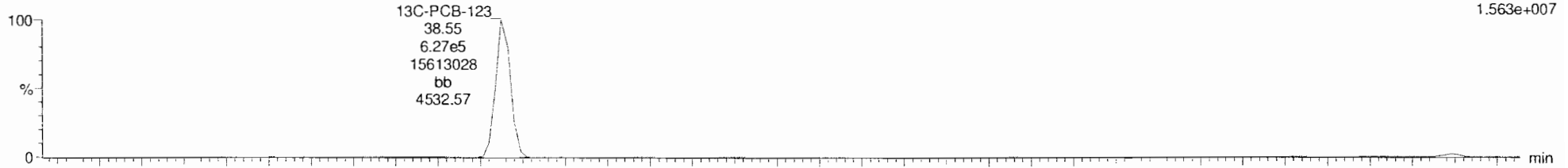
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

13C-PCB-123

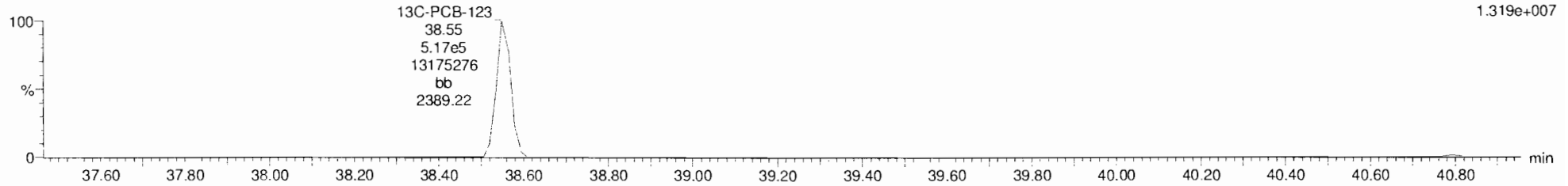
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR,EI+
337.9210
1.563e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

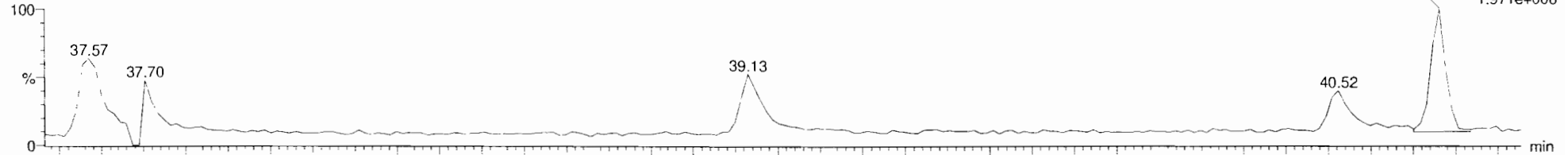
F4:Voltage SIR,EI+
339.9180
1.319e+007



13C-PARLAR 39

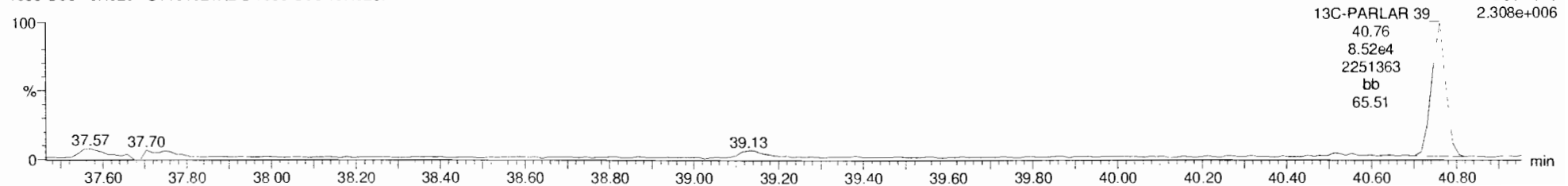
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR,EI+
251.9648
1.971e+006
13C-PARLAR 39;40.76;7.24e4;1774968,dd;40.48



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR,EI+
253.9619
2.308e+006



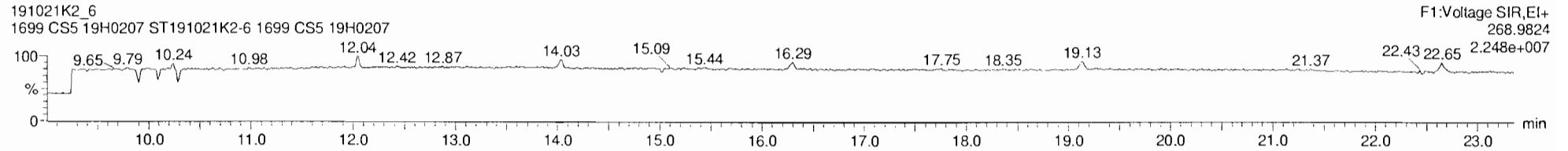
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

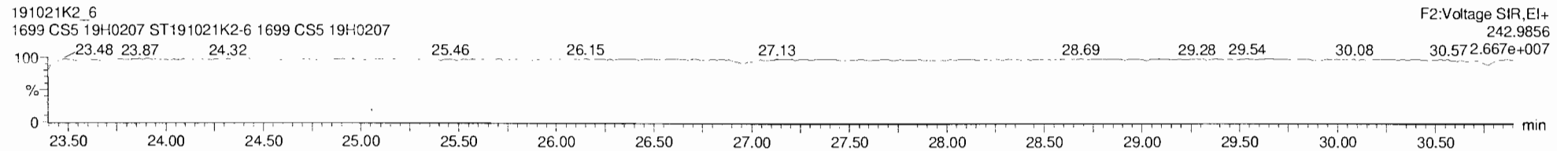
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

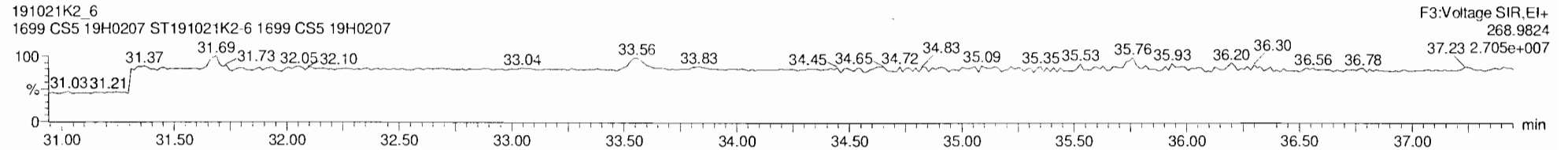
PFK1



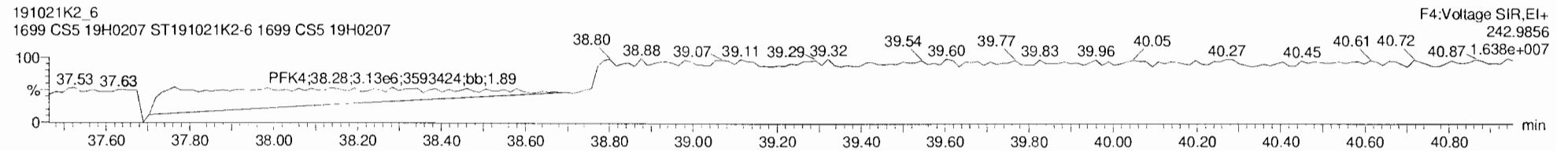
PFK2



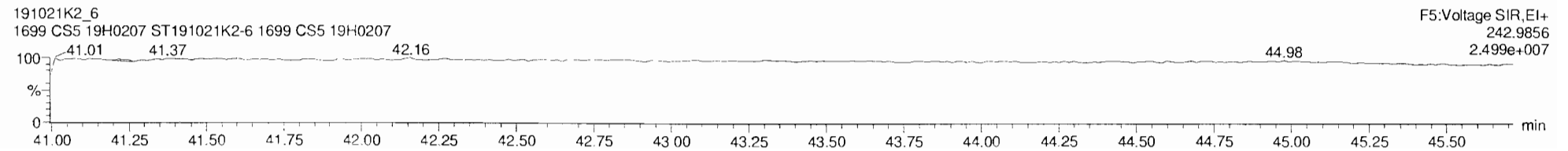
PFK3



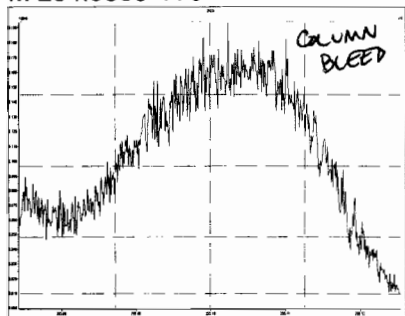
PFK4



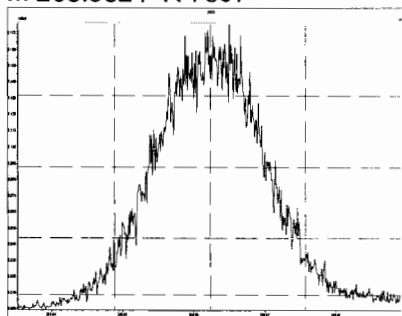
PFK5



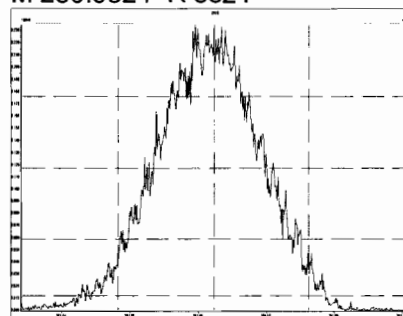
M 254.9856 R 0



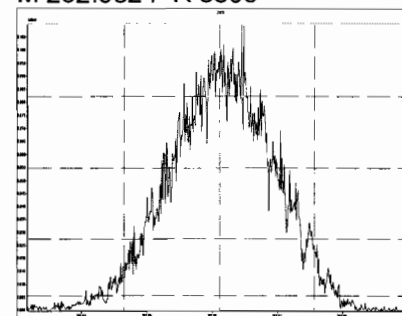
M 268.9824 R 7507



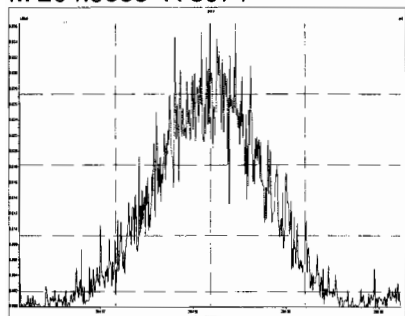
M 280.9824 R 8321



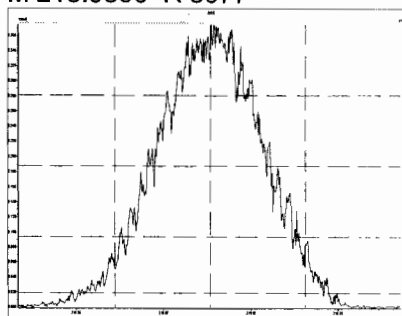
M 292.9824 R 8305



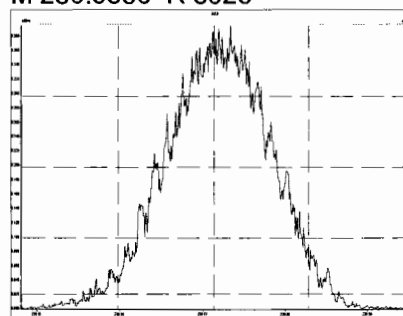
M 204.9888 R 8674



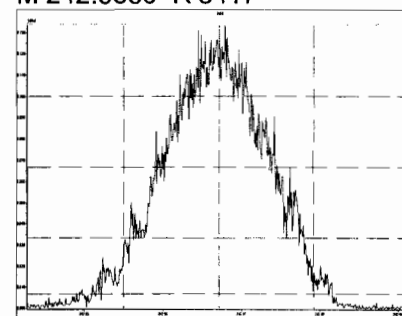
M 218.9856 R 8077



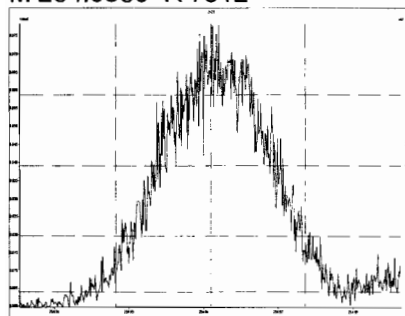
M 230.9856 R 8025



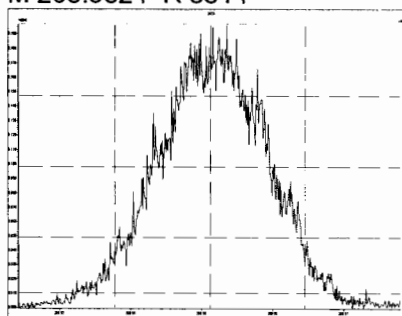
M 242.9856 R 8417



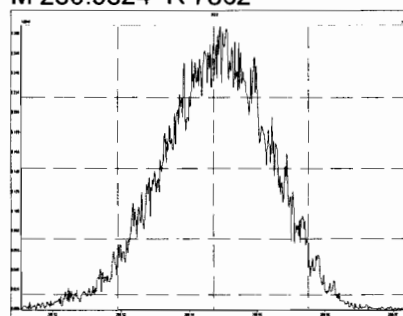
M 254.9856 R 7912



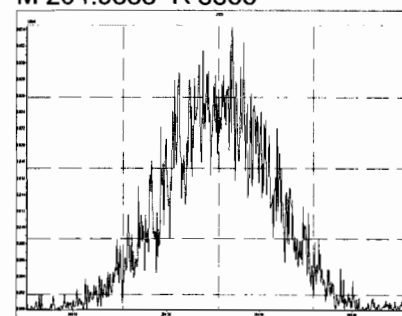
M 268.9824 R 8314



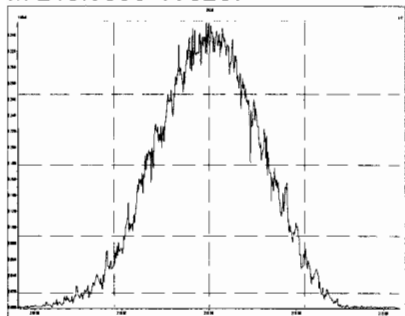
M 280.9824 R 7862



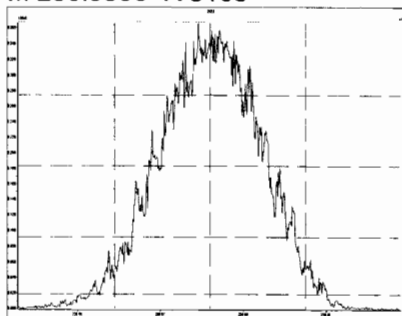
M 204.9888 R 8855



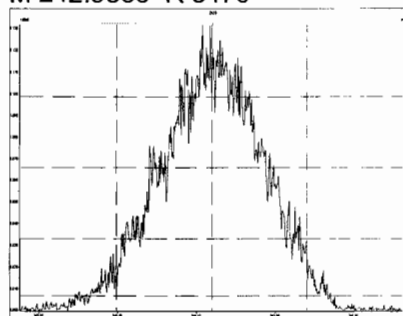
M 218.9856 R 8237



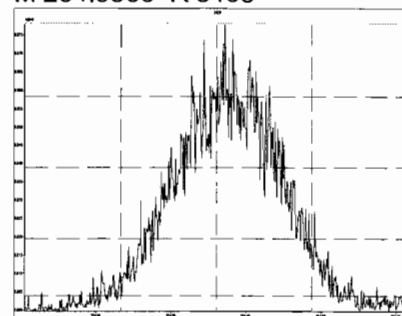
M 230.9856 R 8103



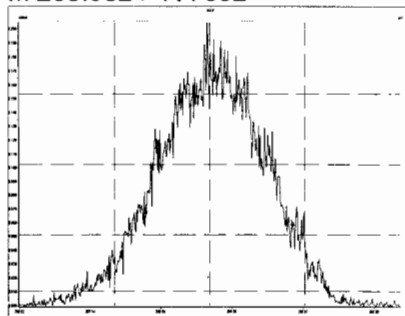
M 242.9856 R 8470



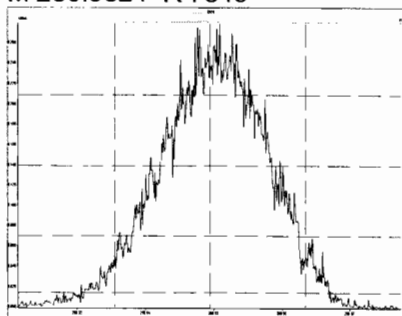
M 254.9856 R 8465



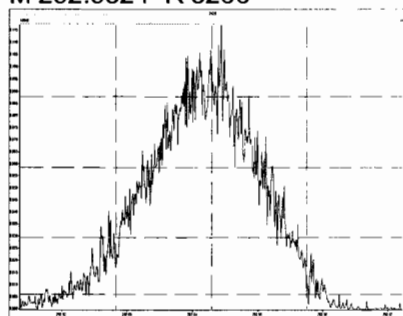
M 268.9824 R 7692



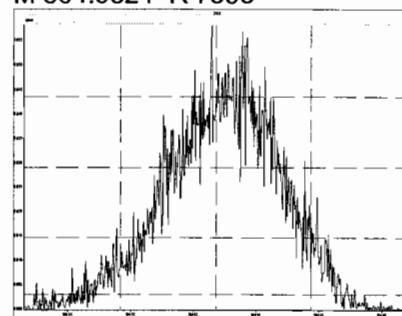
M 280.9824 R 7849



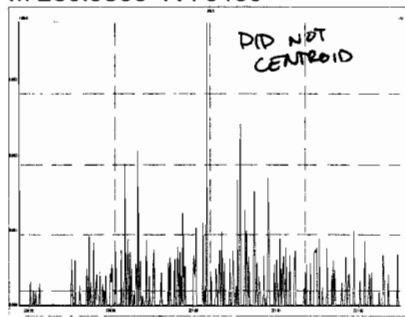
M 292.9824 R 8266



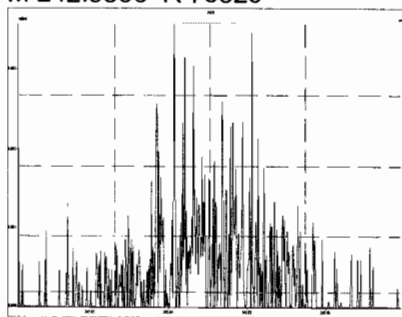
M 304.9824 R 7898



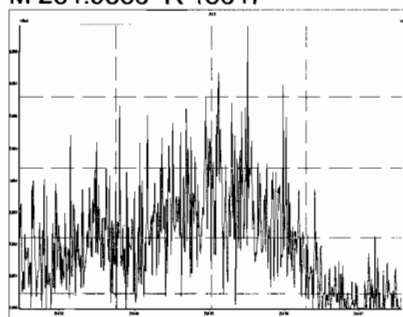
M 230.9856 R 75450



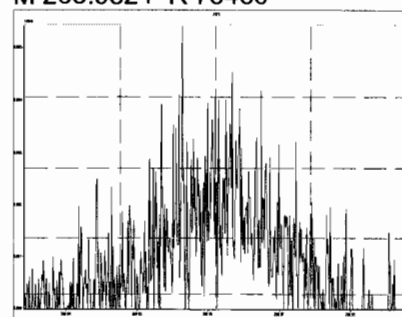
M 242.9856 R 73529



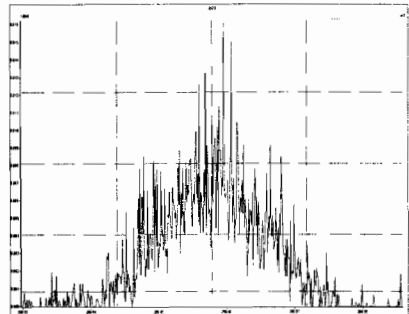
M 254.9856 R 13647



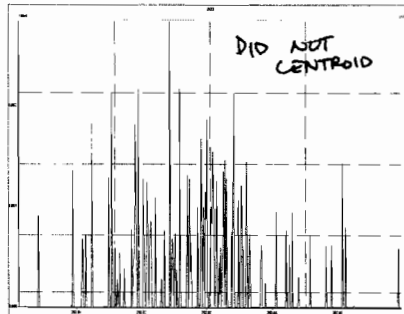
M 268.9824 R 75450



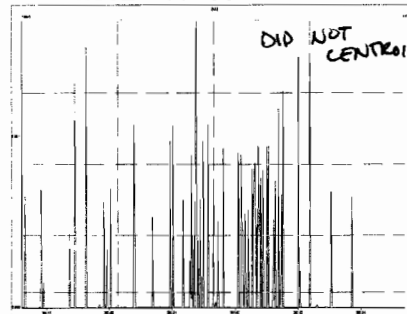
M 280.9824 R 12317



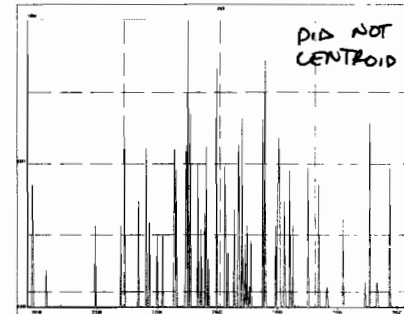
M 292.9824 R 833329



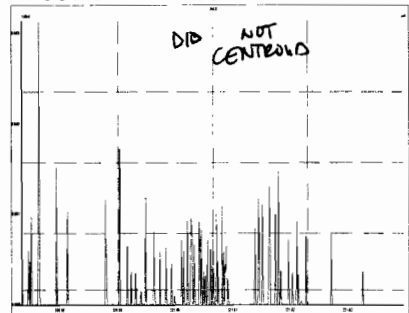
M 304.9824 R 738639



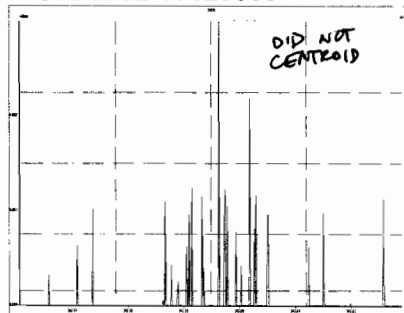
M 318.9792 R 698531



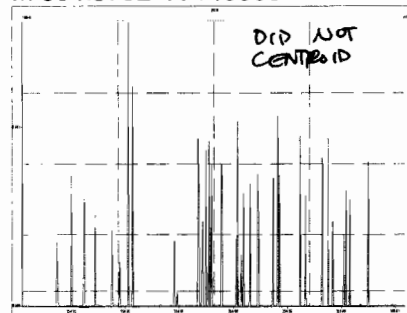
M 330.9792 R 139256



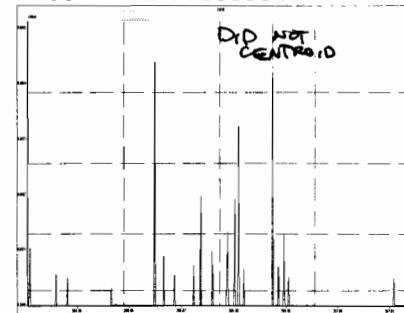
M 342.9792 R 625006



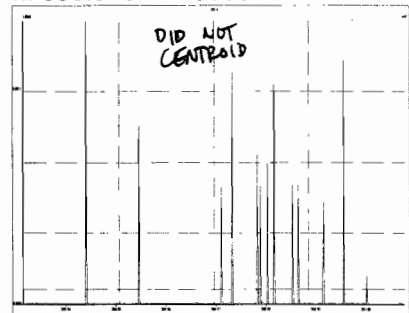
M 354.9792 R 148809



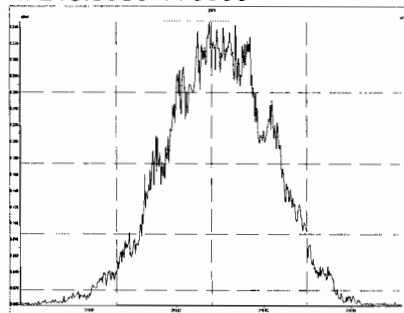
M 366.9792 R 505954



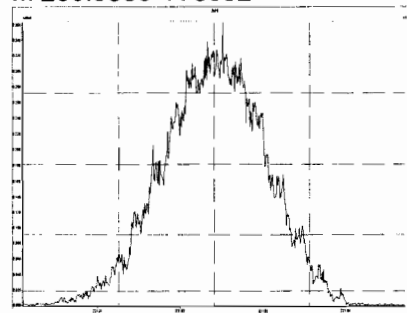
M 380.9760 R 388895



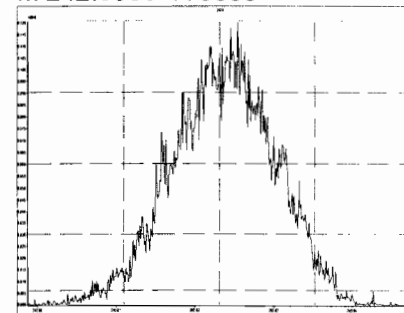
M 218.9856 R 8086



M 230.9856 R 8092

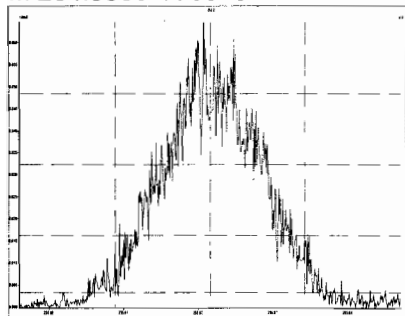


M 242.9856 R 8333

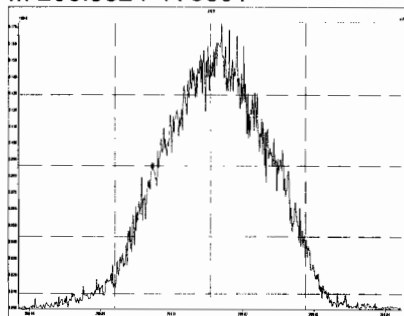


Printed: Tuesday, October 22, 2019 04:50:46 Pacific Daylight Time

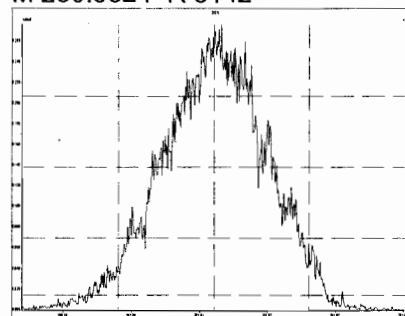
M 254.9856 R 8323



M 268.9824 R 8501



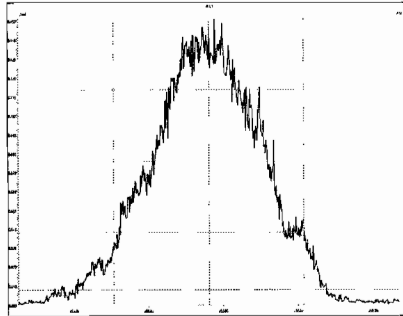
M 280.9824 R 8142



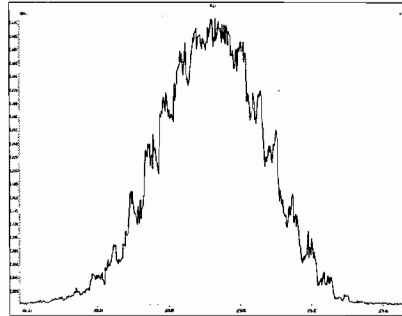
File: Experiment: 1699_ZB50_10K.exp Reference: ptk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, October 22, 2019 09:18:07 Pacific Daylight Time

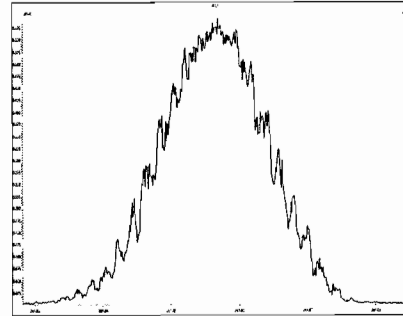
M 254.9856 R 7668



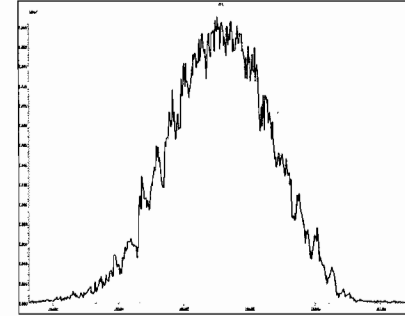
M 268.9824 R 7887



M 280.9824 R 8333



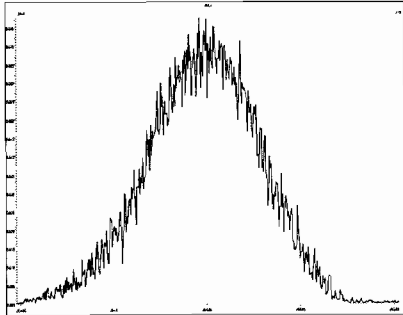
M 292.9824 R 8040



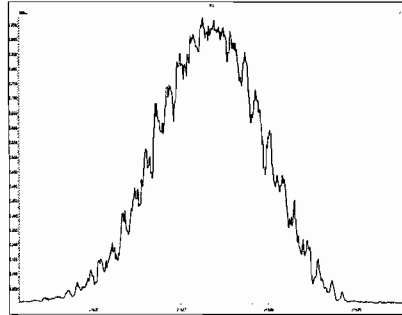
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, October 22, 2019 09:19:29 Pacific Daylight Time

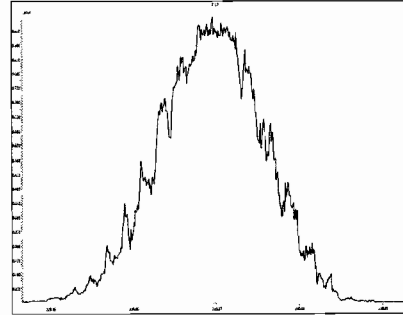
M 204.9888 R 7532



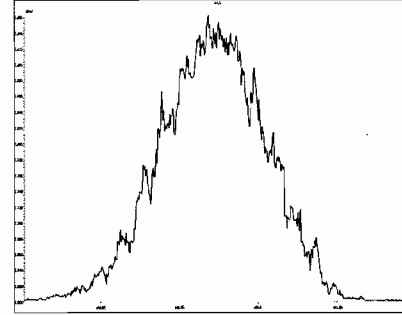
M 218.9856 R 7812



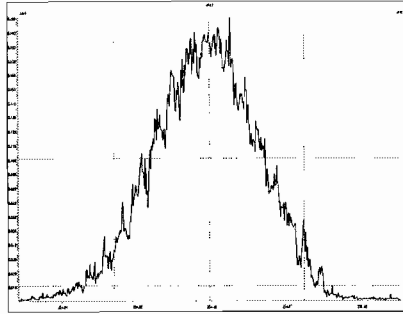
M 230.9856 R 8013



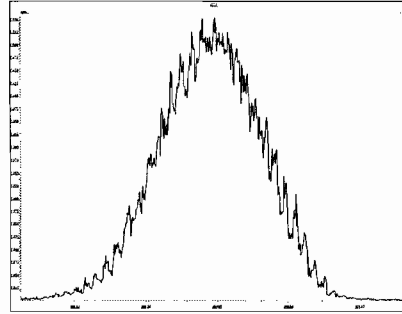
M 242.9856 R 8092



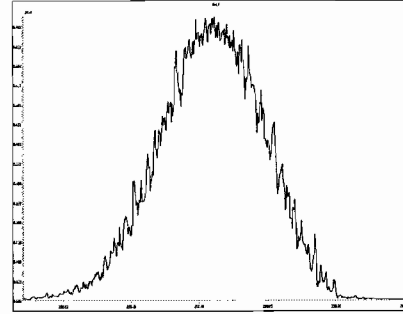
M 254.9856 R 7961



M 268.9824 R 8146



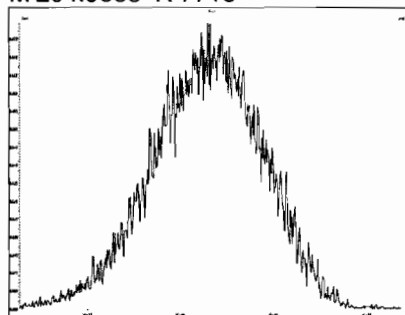
M 280.9824 R 8334



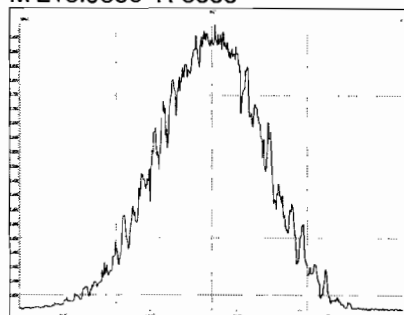
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, October 22, 2019 09:21:25 Pacific Daylight Time

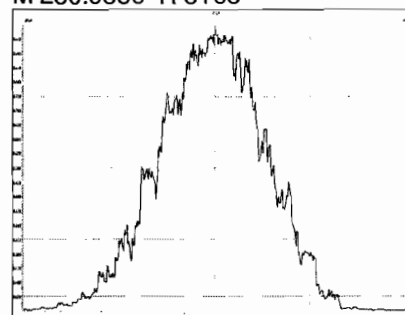
M 204.9888 R 7715



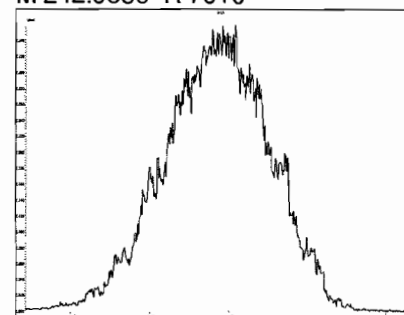
M 218.9856 R 8333



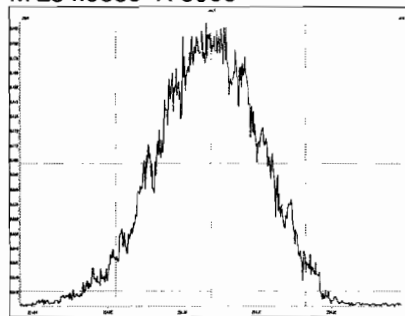
M 230.9856 R 8168



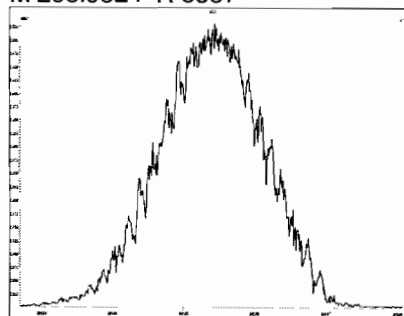
M 242.9856 R 7910



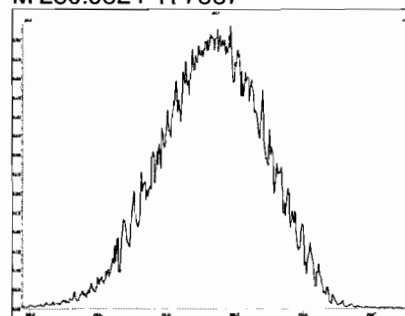
M 254.9856 R 8066



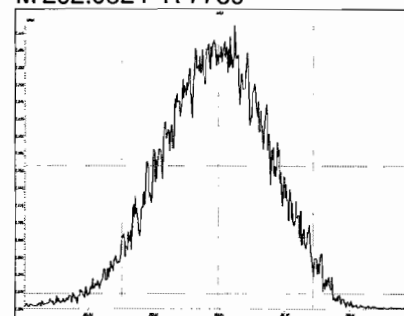
M 268.9824 R 8387



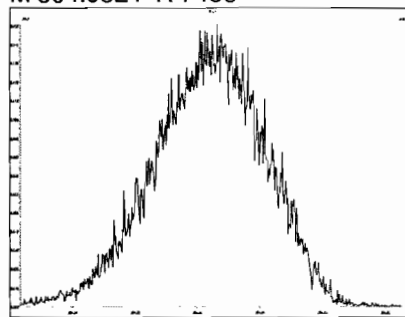
M 280.9824 R 7887



M 292.9824 R 7739



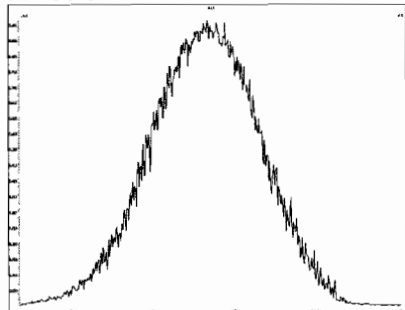
M 304.9824 R 7486



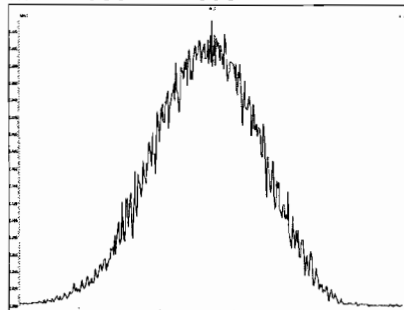
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, October 22, 2019 09:22:50 Pacific Daylight Time

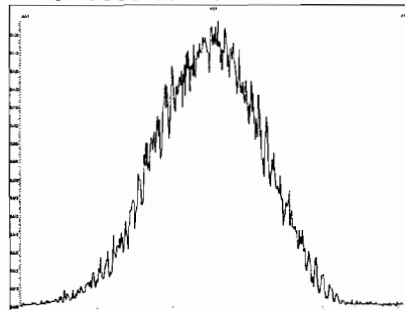
M 230.9856 R 7374



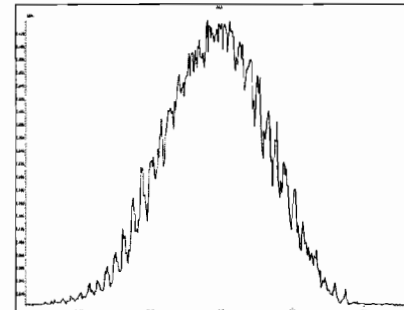
M 242.9856 R 7508



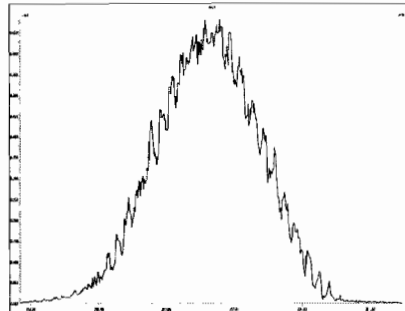
M 254.9856 R 7717



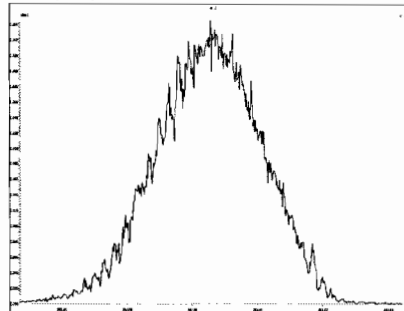
M 268.9824 R 8169



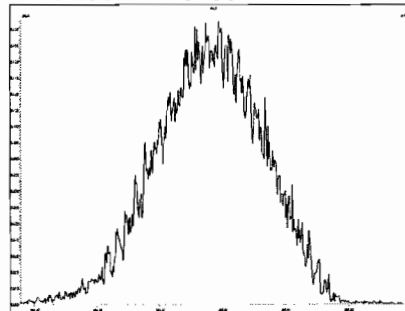
M 280.9824 R 7985



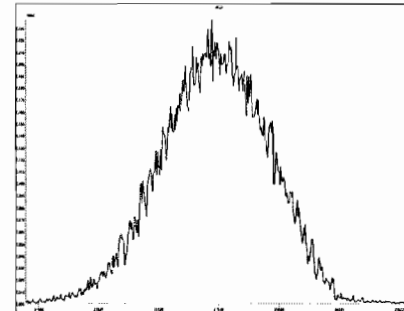
M 292.9824 R 8446



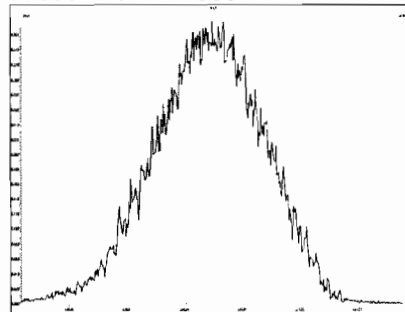
M 304.9824 R 8250



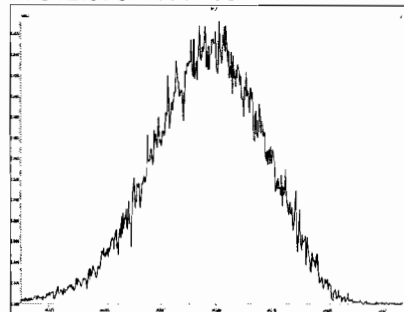
M 318.9792 R 7714



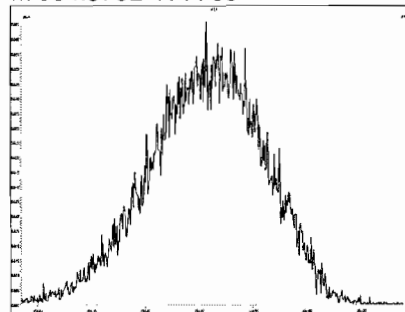
M 330.9792 R 7886



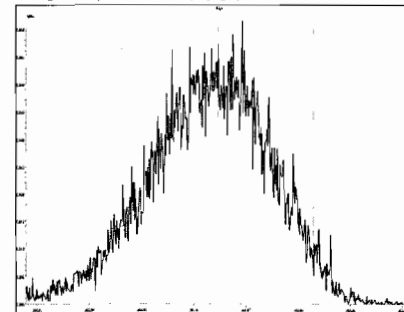
M 342.9792 R 7203



M 354.9792 R 7785



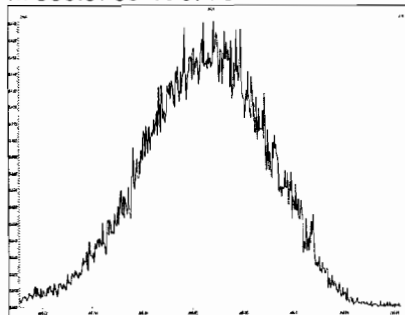
M 366.9792 R 7081



File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, October 22, 2019 09:22:50 Pacific Daylight Time

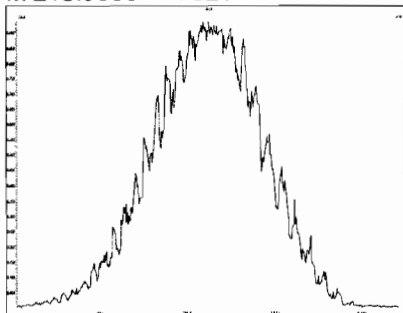
M 380.9760 R 6773



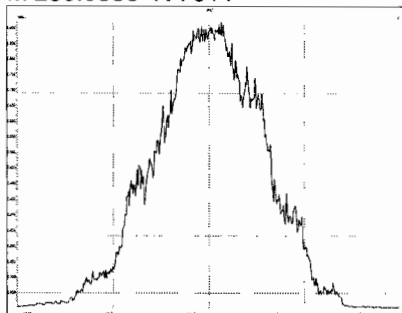
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, October 22, 2019 09:23:53 Pacific Daylight Time

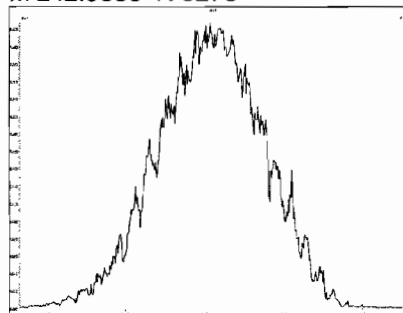
M 218.9856 R 7621



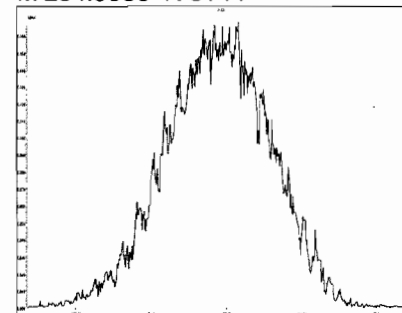
M 230.9856 R 7911



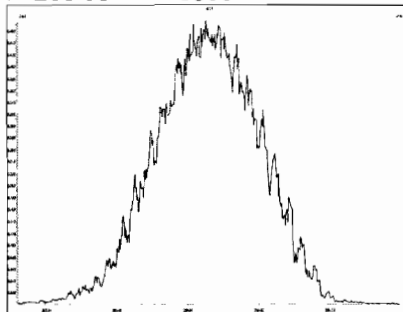
M 242.9856 R 8278



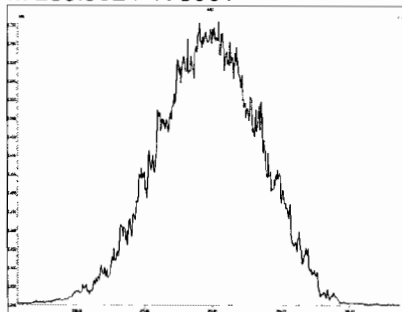
M 254.9856 R 8144



M 268.9824 R 8333



M 280.9824 R 8331



Dataset: U:\VG11.PRO\Results\191021K2\191021K2-7.qld

Last Altered: Tuesday, October 22, 2019 10:56:48 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:57:12 AM Pacific Daylight Time

GRR 10/22/19

HL 10-22-19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

| | | | | | | | | | | | | | 75-125% | | | |
|----|------------------------------|--------|---------|------|-----|-------|--------|---------|-------|-------|----------|----------|---------|------|---------|------|
| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
| 1 | 2 Hexachlorobenzene | 2.82e6 | 1.57e6 | 1.17 | NO | 0.840 | 1.000 | 23.13 | 23.13 | 1.001 | 1.001 | NO | 107 | 107 | 0.00700 | 107 |
| 2 | 3 Alpha-BHC | 8.92e5 | 5.53e5 | 2.14 | NO | 0.751 | 1.000 | 23.70 | 23.69 | 1.001 | 1.002 | NO | 107 | 107 | 0.172 | 107 |
| 3 | 4 Lindane (gamma-BHC) | 6.98e5 | 4.33e5 | 2.13 | NO | 0.717 | 1.000 | 27.01 | 27.01 | 1.001 | 1.001 | NO | 112 | 112 | 0.258 | 112 |
| 4 | 5 Beta-BHC | 6.44e5 | 3.47e5 | 2.09 | NO | 0.870 | 1.000 | 29.02 | 29.04 | 1.001 | 1.000 | NO | 107 | 107 | 0.217 | 107 |
| 5 | 6 Delta-BHC | 6.88e5 | 3.92e5 | 2.11 | NO | 0.817 | 1.000 | 30.70 | 30.69 | 1.001 | 1.001 | NO | 107 | 107 | 0.192 | 107 |
| 6 | 7 Heptachlor | 6.14e5 | 3.40e5 | 1.01 | NO | 0.868 | 1.000 | 29.16 | 29.17 | 1.001 | 1.001 | NO | 104 | 104 | 0.126 | 104 |
| 7 | 9 Aldrin | 8.15e5 | 4.14e5 | 1.58 | NO | 0.946 | 1.000 | 31.27 | 31.26 | 1.001 | 1.001 | NO | 104 | 104 | 0.0570 | 104 |
| 8 | 10 Oxychlorane | 2.06e5 | 1.07e5 | 1.60 | NO | 0.926 | 1.000 | 33.82 | 33.83 | 1.001 | 1.001 | NO | 104 | 104 | 0.223 | 104 |
| 9 | 11 cis-Heptachlor Epoxide | 2.81e5 | 1.42e5 | 1.55 | NO | 0.937 | 1.000 | 34.63 | 34.62 | 1.000 | 1.001 | NO | 106 | 106 | 0.152 | 106 |
| 10 | 12 trans-Heptachlor Epoxi... | 7.10e4 | 1.42e5 | 1.51 | NO | 0.238 | 1.000 | 35.12 | 35.12 | 1.015 | 1.015 | NO | 105 | 105 | 0.596 | 105 |
| 11 | 13 trans-Chlordane (gam... | 2.43e5 | 1.15e5 | 1.53 | NO | 0.980 | 1.000 | 35.52 | 35.53 | 1.001 | 1.001 | NO | 108 | 108 | 0.176 | 108 |
| 12 | 14 trans-Nonachlor | 2.51e5 | 1.32e5 | 1.55 | NO | 0.902 | 1.000 | 35.71 | 35.72 | 1.001 | 1.001 | NO | 105 | 105 | 0.167 | 105 |
| 13 | 15 cis-Chlordane | 2.55e5 | 1.32e5 | 1.57 | NO | 0.899 | 1.000 | 36.20 | 36.20 | 1.014 | 1.015 | NO | 107 | 107 | 0.168 | 107 |
| 14 | 16 Endosulfan I (alpha) | 1.57e5 | 7.87e4 | 1.59 | NO | 1.03 | 1.000 | 36.31 | 36.30 | 1.000 | 1.001 | NO | 96.2 | 96.2 | 0.229 | 96.2 |
| 15 | 18 2,4'-DDE | 3.71e6 | 2.36e6 | 1.24 | NO | 0.758 | 1.000 | 36.18 | 36.18 | 1.000 | 1.000 | NO | 104 | 104 | 0.153 | 104 |
| 16 | 19 4,4'-DDE | 2.86e6 | 1.82e6 | 1.22 | NO | 0.771 | 1.000 | 37.25 | 37.25 | 1.000 | 1.000 | NO | 102 | 102 | 0.178 | 102 |
| 17 | 20 Dieldrin | 3.60e5 | 1.84e5 | 1.47 | NO | 0.927 | 1.000 | 37.75 | 37.75 | 1.000 | 1.000 | NO | 105 | 105 | 0.200 | 105 |
| 18 | 21 Endrin | 2.32e5 | 1.21e5 | 1.50 | NO | 0.902 | 1.000 | 39.13 | 39.16 | 1.001 | 1.000 | NO | 106 | 106 | 0.330 | 106 |
| 19 | 22 cis-Nonachlor | 2.17e5 | 1.15e5 | 1.54 | NO | 0.913 | 1.000 | 39.44 | 39.44 | 1.000 | 1.000 | NO | 103 | 103 | 0.308 | 103 |
| 20 | 23 Endosulfan II (beta) | 6.74e4 | 3.33e4 | 1.55 | NO | 1.03 | 1.000 | 40.15 | 40.17 | 1.000 | 1.000 | NO | 98.3 | 98.3 | 0.898 | 98.3 |
| 21 | 24 2,4'-DDD | 2.76e6 | 1.51e6 | 1.56 | NO | 0.890 | 1.000 | 38.37 | 38.39 | 1.000 | 1.000 | NO | 103 | 103 | 0.376 | 103 |
| 22 | 25 2,4'-DDT | 1.91e6 | 9.71e5 | 1.56 | NO | 0.865 | 1.000 | 39.52 | 39.51 | 1.000 | 1.000 | NO | 114 | 114 | 0.641 | 114 |
| 23 | 26 4,4'-DDD | 2.54e6 | 1.29e6 | 1.56 | NO | 0.971 | 1.000 | 39.64 | 39.63 | 1.000 | 1.000 | NO | 101 | 101 | 0.440 | 101 |
| 24 | 27 4,4'-DDT | 1.72e6 | 8.60e5 | 1.57 | NO | 0.974 | 1.000 | 40.71 | 40.70 | 1.000 | 1.000 | NO | 103 | 103 | 0.640 | 103 |
| 25 | 28 Endosulfan Sulfate | 1.06e5 | 5.63e4 | 1.56 | NO | 0.896 | 1.000 | 41.88 | 41.89 | 1.000 | 1.000 | NO | 105 | 105 | 0.565 | 105 |
| 26 | 29 4,4'-Methoxychlor | 1.98e6 | 8.75e6 | 6.05 | NO | 1.10 | 1.000 | 43.76 | 43.76 | 1.000 | 1.000 | NO | 102 | 102 | 0.0856 | 102 |
| 27 | 30 Mirex | 8.79e5 | 4.90e5 | 1.42 | NO | 0.870 | 1.000 | 44.35 | 44.35 | 1.000 | 1.000 | NO | 103 | 103 | 0.187 | 103 |
| 28 | 31 Endrin Aldehyde | 1.51e5 | 7.42e5 | 0.62 | NO | 0.962 | 1.000 | 41.30 | 41.30 | 1.000 | 1.000 | NO | 105 | 105 | 0.486 | 105 |
| 29 | 32 Endrin Ketone | 1.22e5 | 5.71e5 | 0.61 | NO | 0.867 | 1.000 | 44.46 | 44.49 | 1.001 | 1.000 | NO | 124 | 124 | 0.797 | 124 |
| 30 | 34 13C6-Hexachlorobenz... | 1.57e6 | 2.24e6 | 1.26 | NO | 0.710 | 1.000 | 23.11 | 23.11 | 0.873 | 0.873 | NO | 49.2 | 98.4 | 0.00739 | |
| 31 | 35 13C6-Alpha-BHC | 5.53e5 | 2.24e6 | 0.78 | NO | 0.255 | 1.000 | 23.65 | 23.66 | 0.893 | 0.893 | NO | 48.3 | 96.5 | 0.284 | |
| 32 | 36 13C6-Lindane (gamma) | 4.33e5 | 2.24e6 | 0.79 | NO | 0.216 | 1.000 | 26.98 | 26.98 | 1.019 | 1.019 | NO | 44.8 | 89.6 | 0.336 | |

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-7.qld

Last Altered: Tuesday, October 22, 2019 10:56:48 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:57:12 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

| # | Name | Resp | IS Resp | RA | n/y | RRF | wt/vol | Pred.RT | RT | RRT | Pred.RRT | RRT Fail | Conc. | %Rec | DL | EMPC |
|----|-----------------------------|--------|---------|-------|-----|--------|--------|---------|-------|-------|----------|----------|-------|------|--------|------|
| 33 | 37 13C6-Beta-BHC | 3.47e5 | 2.24e6 | 0.79 | NO | 0.162 | 1.000 | 29.03 | 29.01 | 1.095 | 1.096 | NO | 47.7 | 95.5 | 0.446 | |
| 34 | 38 13C6-Delta-BHC | 3.92e5 | 2.24e6 | 0.78 | NO | 0.185 | 1.000 | 30.70 | 30.68 | 1.158 | 1.159 | NO | 47.3 | 94.6 | 0.392 | |
| 35 | 39 13C10-Heptachlor | 3.40e5 | 2.24e6 | 1.27 | NO | 0.178 | 1.000 | 29.12 | 29.14 | 1.100 | 1.099 | NO | 42.7 | 85.4 | 0.0475 | |
| 36 | 40 13C12-Aldrin | 4.14e5 | 2.24e6 | 1.66 | NO | 0.186 | 1.000 | 31.26 | 31.24 | 1.179 | 1.180 | NO | 49.6 | 99.1 | 0.119 | |
| 37 | 41 13C10-Oxychlordan | 1.07e5 | 2.24e6 | 1.56 | NO | 0.0499 | 1.000 | 33.84 | 33.80 | 1.276 | 1.278 | NO | 47.8 | 95.7 | 0.445 | |
| 38 | 42 13C10-cis-Heptachlor ... | 1.42e5 | 2.24e6 | 1.58 | NO | 0.0657 | 1.000 | 34.63 | 34.61 | 1.307 | 1.308 | NO | 48.0 | 96.0 | 0.338 | |
| 39 | 43 13C10-trans-Chlordan... | 1.15e5 | 2.24e6 | 1.70 | NO | 0.0525 | 1.000 | 35.54 | 35.50 | 1.340 | 1.342 | NO | 48.6 | 97.3 | 0.422 | |
| 40 | 44 13C10-trans-Nonachlor | 1.32e5 | 2.24e6 | 1.61 | NO | 0.0587 | 1.000 | 35.73 | 35.69 | 1.347 | 1.349 | NO | 50.3 | 101 | 0.378 | |
| 41 | 45 13C9-Endosulfan I (al... | 7.87e4 | 2.24e6 | 1.60 | NO | 0.0343 | 1.000 | 36.33 | 36.28 | 1.370 | 1.372 | NO | 51.2 | 102 | 0.647 | |
| 42 | 46 13C12-2,4'-DDE | 2.36e6 | 2.24e6 | 1.54 | NO | 1.01 | 1.000 | 36.17 | 36.17 | 0.996 | 0.996 | NO | 52.0 | 104 | 0.211 | |
| 43 | 47 13C12-4,4'-DDE | 1.82e6 | 2.24e6 | 1.57 | NO | 0.760 | 1.000 | 37.23 | 37.23 | 1.025 | 1.025 | NO | 53.4 | 107 | 0.281 | |
| 44 | 48 13C12-Dieldrin | 1.84e5 | 2.24e6 | 1.57 | NO | 0.0797 | 1.000 | 37.73 | 37.73 | 1.039 | 1.039 | NO | 51.6 | 103 | 0.357 | |
| 45 | 49 13C12-Endrin | 1.21e5 | 2.24e6 | 1.58 | NO | 0.0599 | 1.000 | 39.13 | 39.13 | 1.078 | 1.078 | NO | 45.1 | 90.3 | 0.475 | |
| 46 | 50 13C10-cis-Nonachlor | 1.15e5 | 2.24e6 | 1.62 | NO | 0.0486 | 1.000 | 39.41 | 39.43 | 1.086 | 1.085 | NO | 52.8 | 106 | 0.585 | |
| 47 | 51 13C9-Endosulfan II | 3.33e4 | 2.24e6 | 1.53 | NO | 0.0145 | 1.000 | 40.15 | 40.15 | 1.106 | 1.106 | NO | 51.1 | 102 | 1.96 | |
| 48 | 52 13C12-2,4'-DDD | 1.51e6 | 2.24e6 | 1.58 | NO | 0.653 | 1.000 | 38.42 | 38.37 | 1.449 | 1.451 | NO | 51.6 | 103 | 0.145 | |
| 49 | 53 13C12-2,4'-DDT | 9.71e5 | 2.24e6 | 1.58 | NO | 0.443 | 1.000 | 39.54 | 39.50 | 1.491 | 1.493 | NO | 48.8 | 97.7 | 0.214 | |
| 50 | 54 13C12-4,4'-DDD | 1.29e6 | 2.24e6 | 1.58 | NO | 0.550 | 1.000 | 39.67 | 39.62 | 1.496 | 1.498 | NO | 52.4 | 105 | 0.173 | |
| 51 | 55 13C12-4,4'-DDT | 8.60e5 | 2.24e6 | 1.61 | NO | 0.354 | 1.000 | 40.74 | 40.69 | 1.536 | 1.538 | NO | 54.1 | 108 | 0.268 | |
| 52 | 56 13C9-Endosulfan Sulf... | 5.63e4 | 2.24e6 | 1.61 | NO | 0.0239 | 1.000 | 41.86 | 41.88 | 1.153 | 1.153 | NO | 52.4 | 105 | 1.58 | |
| 53 | 57 13C12-Methoxychlor | 8.75e6 | 2.24e6 | 21.77 | NO | 0.362 | 1.000 | 43.72 | 43.75 | 1.205 | 1.204 | NO | 540 | 108 | 0.260 | |
| 54 | 58 13C10-Mirex | 4.90e5 | 2.24e6 | 1.55 | NO | 0.184 | 1.000 | 44.32 | 44.33 | 1.221 | 1.220 | NO | 59.6 | 119 | 0.207 | |
| 55 | 59 13C12-Endrin Aldehyde | 7.42e5 | 2.24e6 | 0.41 | NO | 0.0307 | 1.000 | 41.26 | 41.28 | 1.137 | 1.136 | NO | 538 | 108 | 1.63 | |
| 56 | 60 13C12-Endrin Ketone | 5.71e5 | 2.24e6 | 0.43 | NO | 0.0240 | 1.000 | 44.44 | 44.46 | 1.224 | 1.224 | NO | 530 | 106 | 2.09 | |
| 57 | 62 13C-PCB-15 | 2.24e6 | 2.24e6 | 1.48 | NO | 1.00 | 1.000 | 26.42 | 26.48 | 1.000 | 1.000 | NO | 50.0 | 100 | 0.0431 | |

Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

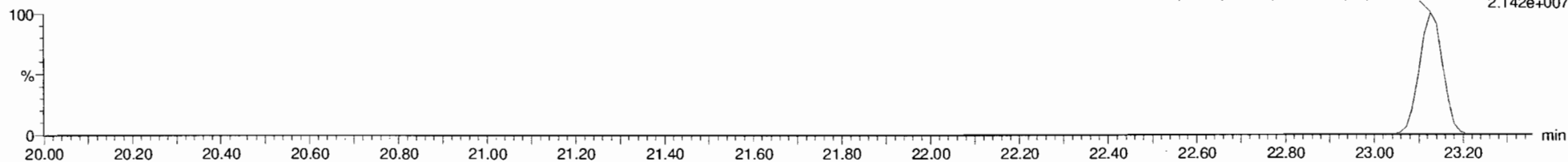
Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Hexachlorobenzene

191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

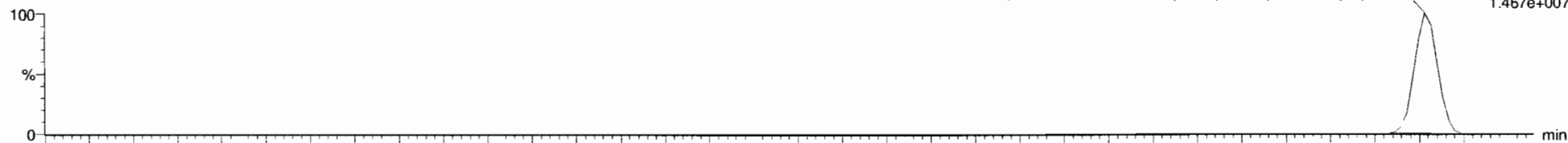


191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

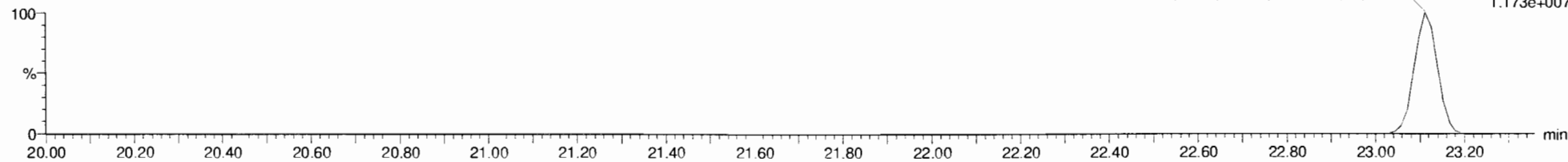


13C6-Hexachlorobenzene

191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208



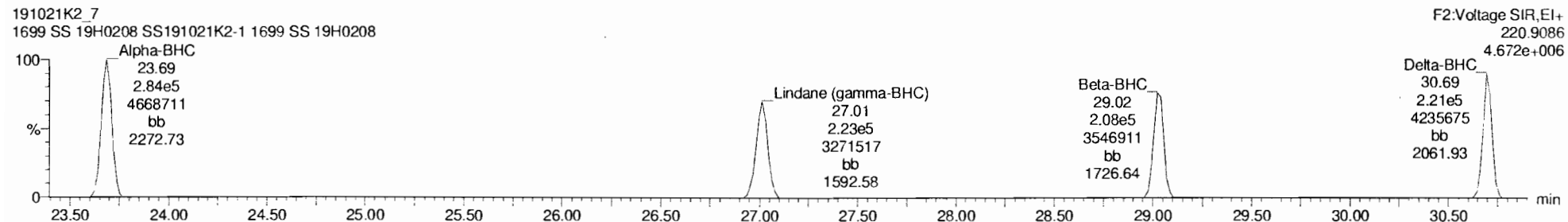
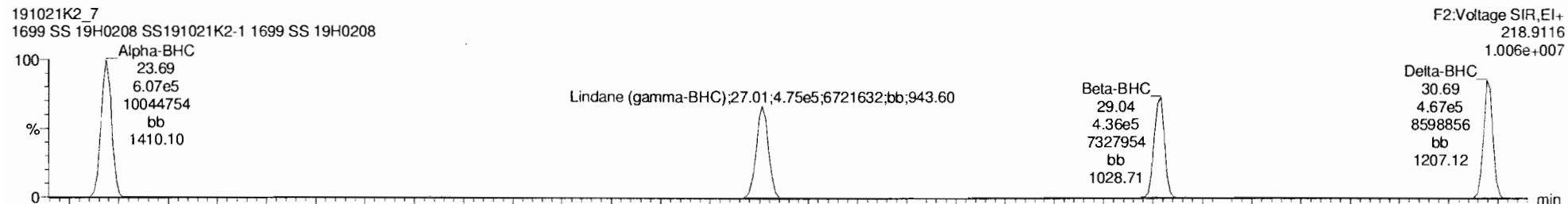
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

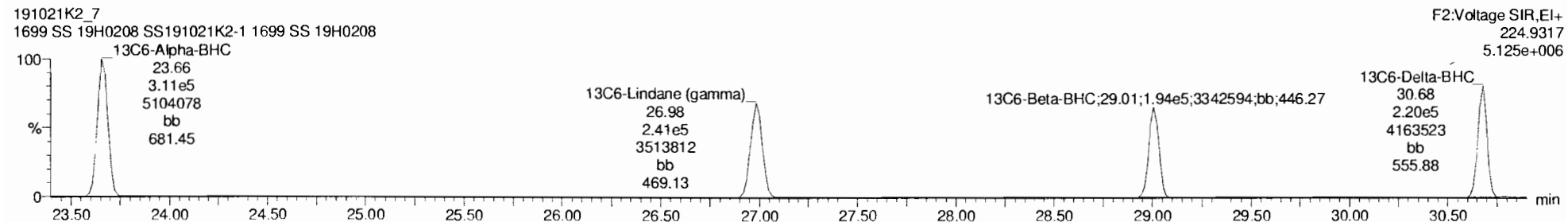
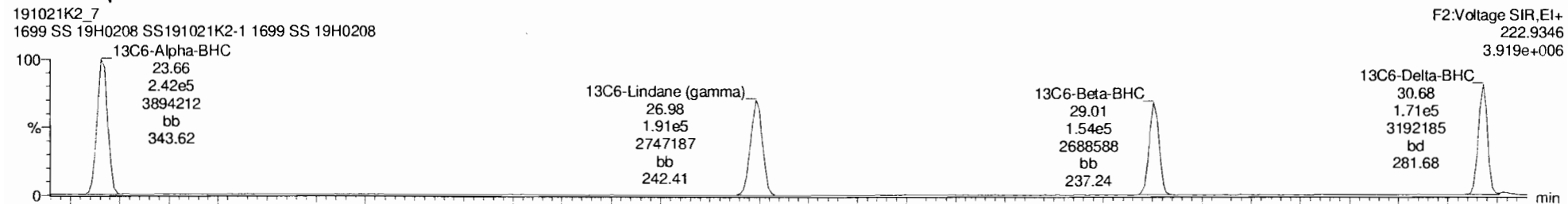
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

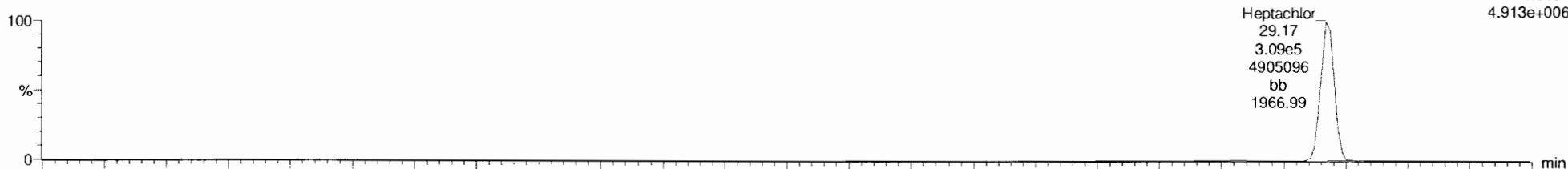
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Heptachlor

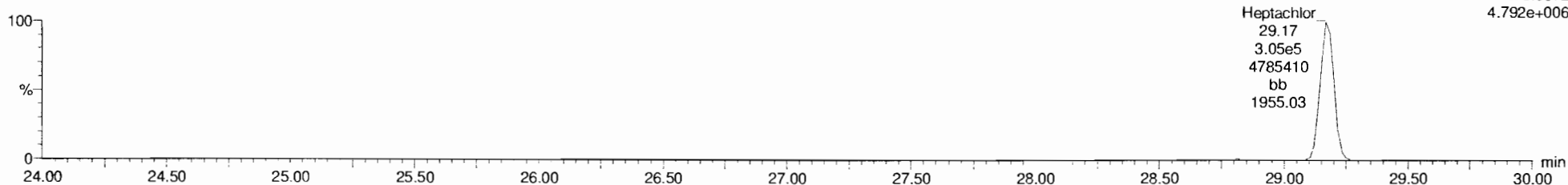
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
271.8102
4.913e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

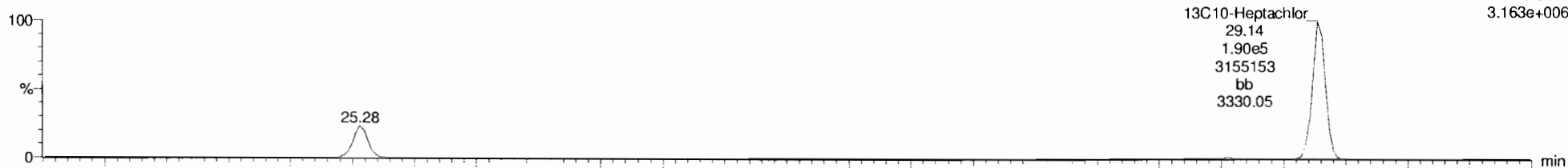
F2:Voltage SIR,EI+
273.8072
4.792e+006



13C10-Heptachlor

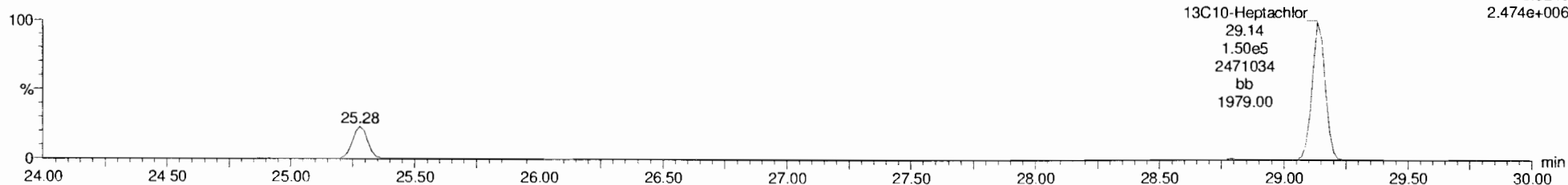
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
276.8269
3.163e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
278.8240
2.474e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

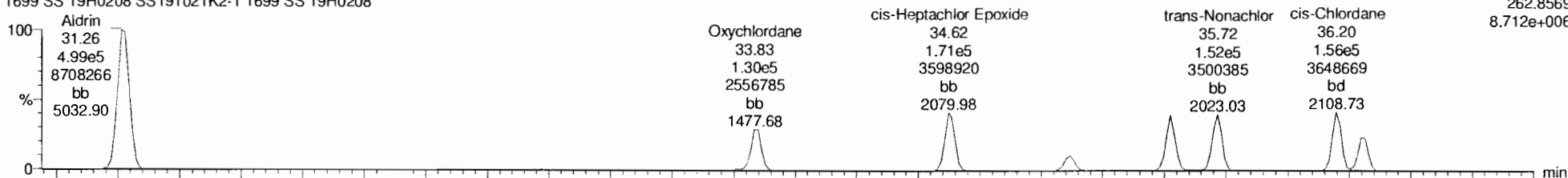
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Aldrin-EI

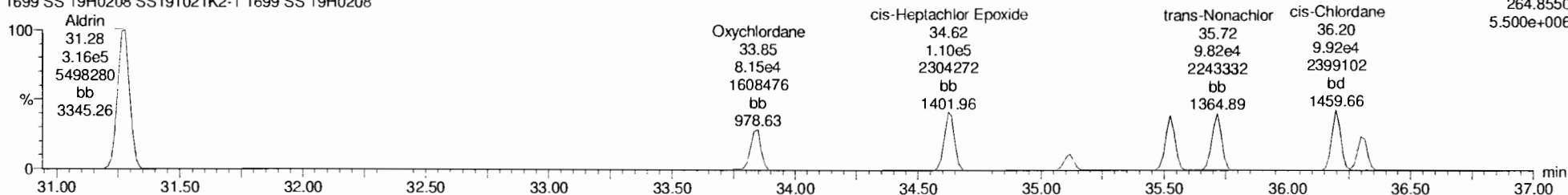
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
262.8569
8.712e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

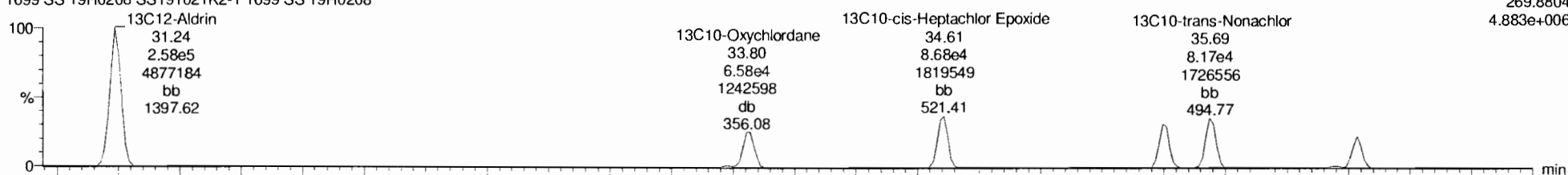
F3:Voltage SIR,EI+
264.8550
5.500e+006



Aldrin-EI-isotopes

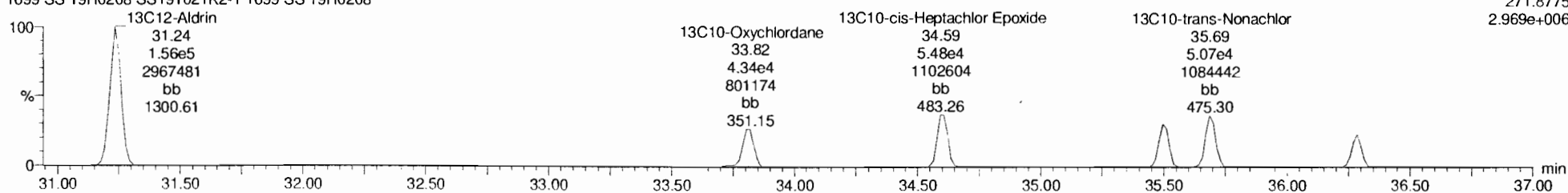
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

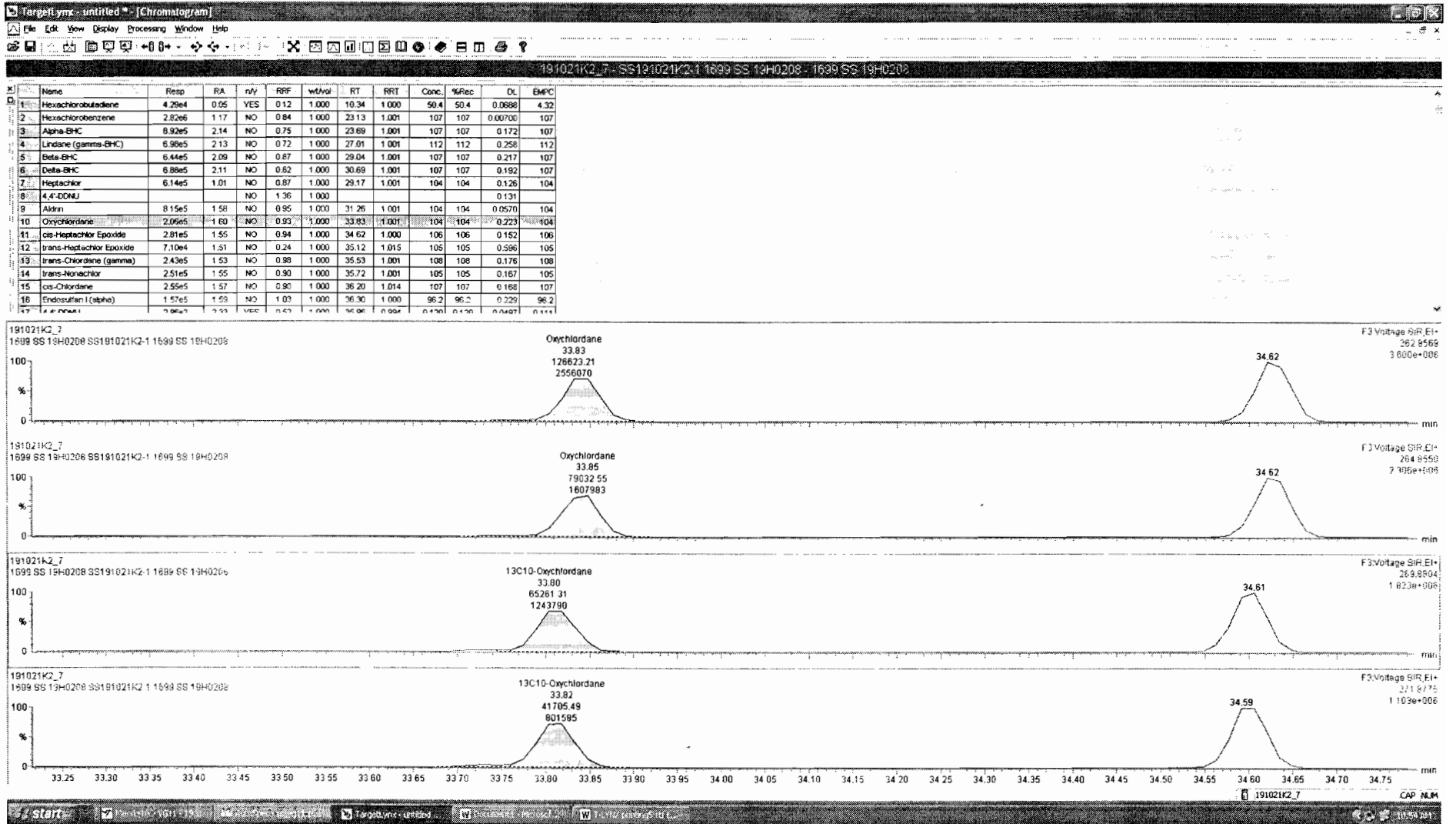
F3:Voltage SIR,EI+
269.8804
4.883e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
271.8775
2.969e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

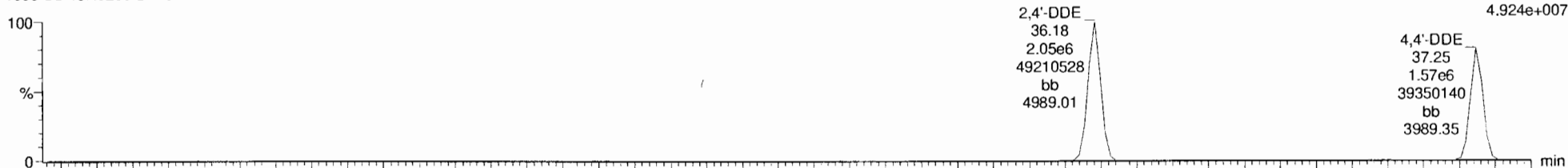
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

DDMU-DDE

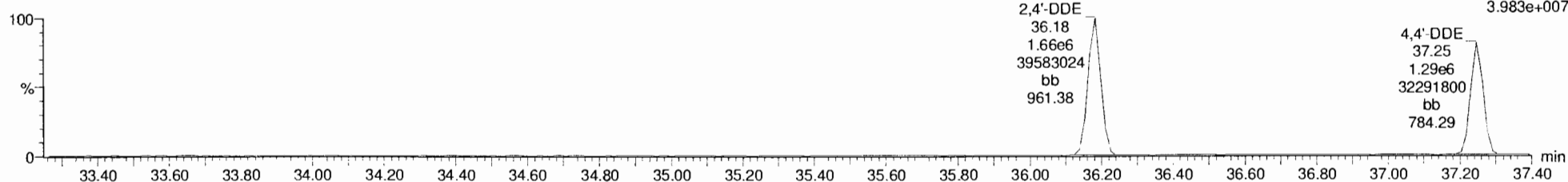
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
246.0003
4.924e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

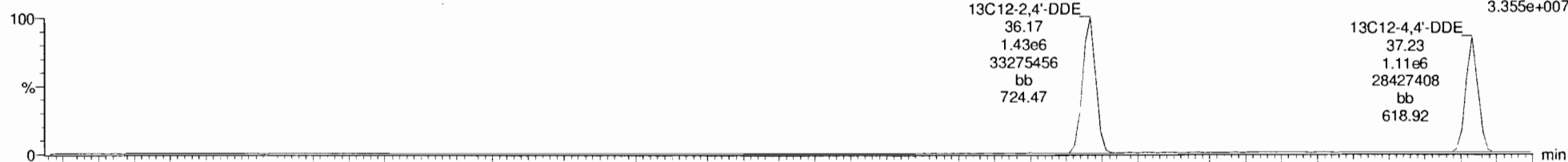
F3:Voltage SIR,EI+
247.9974
3.983e+007



DDE-isotopes

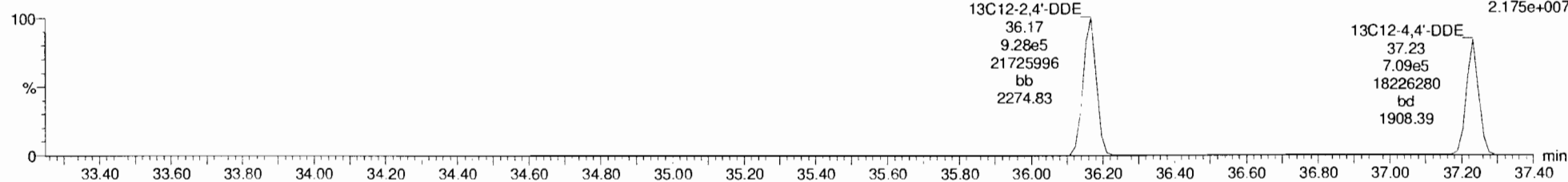
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
258.0406
3.355e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
260.0376
2.175e+007



Dataset: Untitled

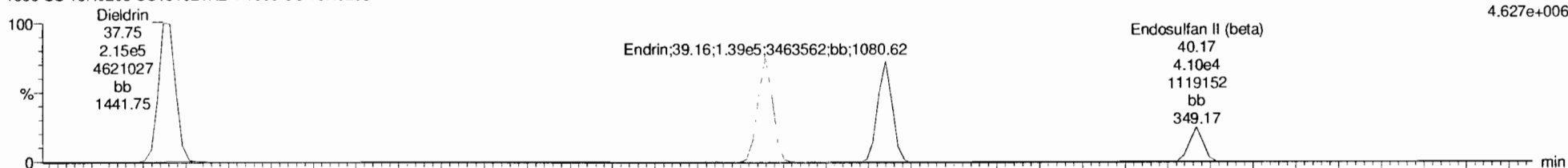
Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Dieldrin-EII

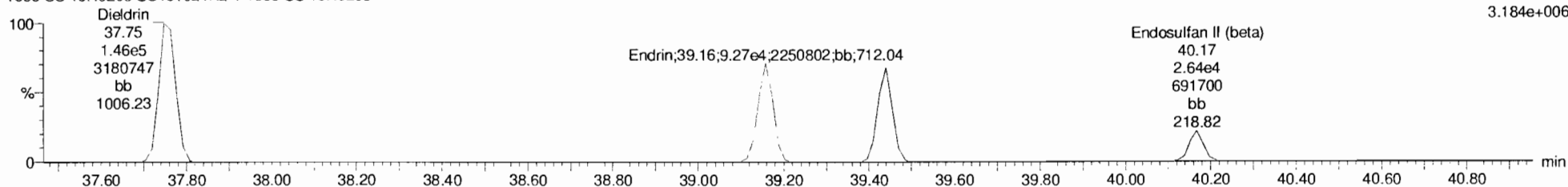
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
262.8569
4.627e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

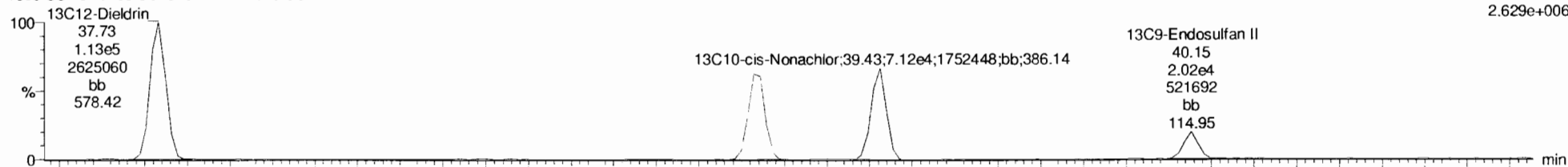
F4:Voltage SIR,EI+
264.8550
3.184e+006



Dieldrin-EII-isotopes

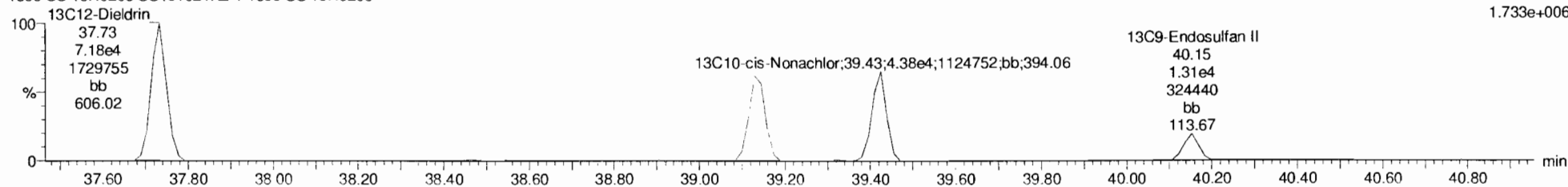
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
269.8804
2.629e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
271.8775
1.733e+006



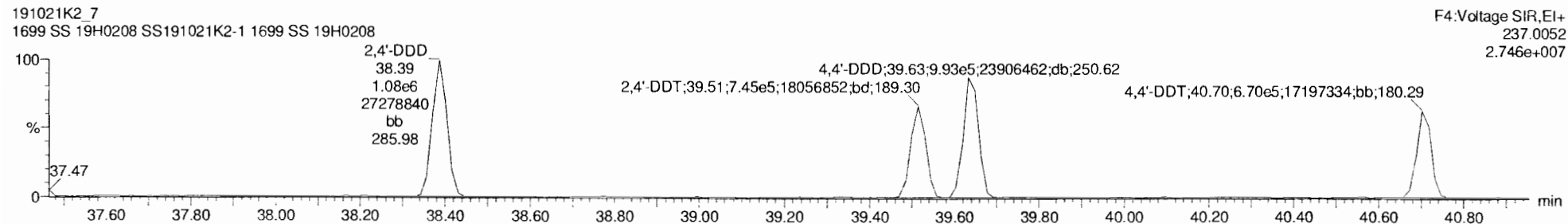
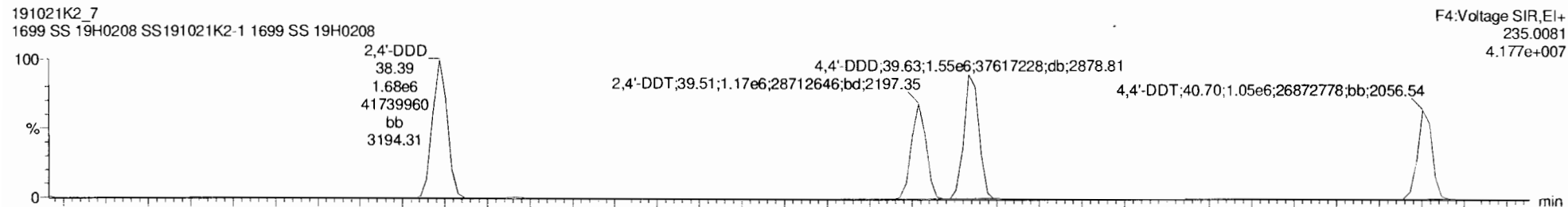
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

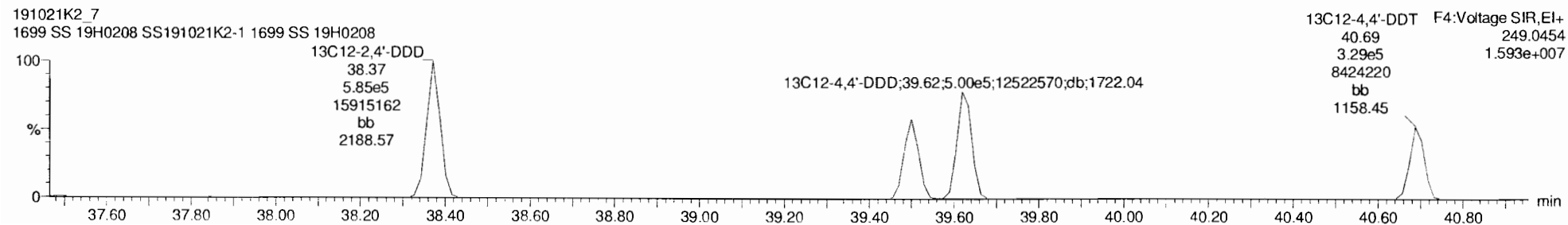
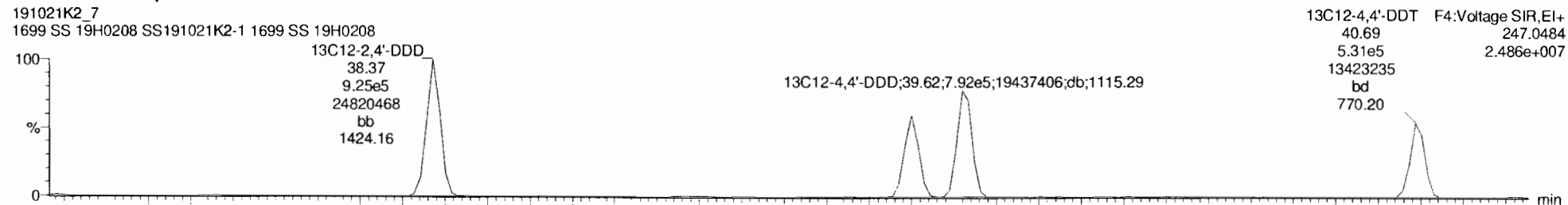
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

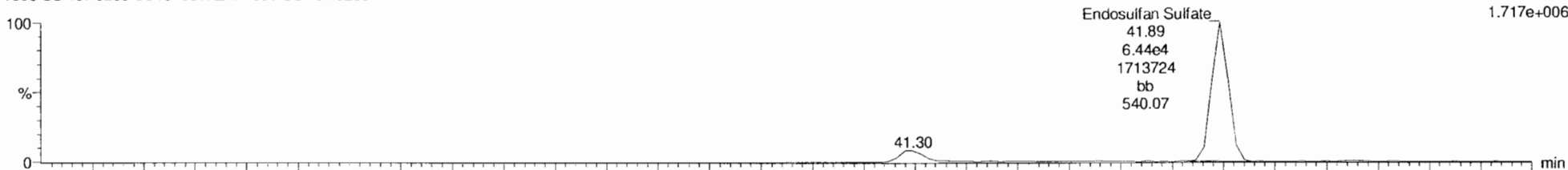
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Endosulfan Sulfate

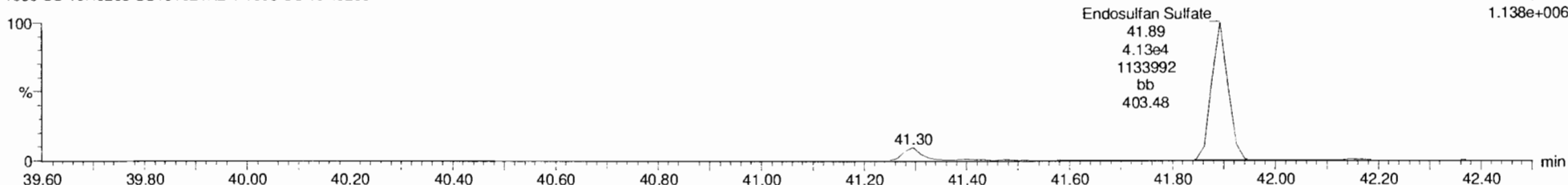
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
262.8569
1.717e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

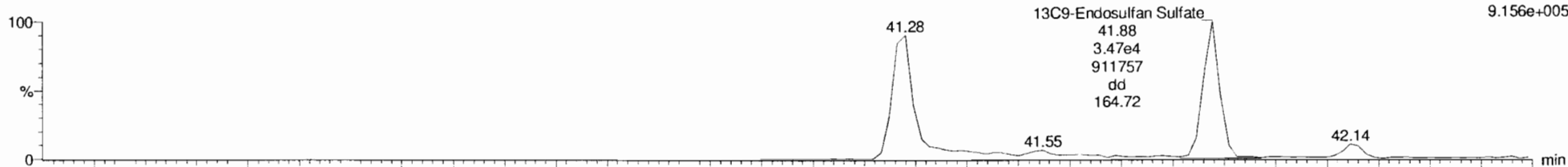
F5:Voltage SIR,EI+
264.8540
1.138e+006



13C9-Endosulfan Sulfate

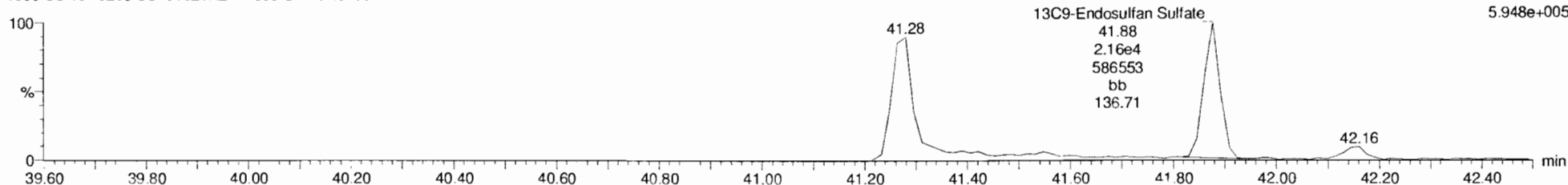
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
269.8804
9.156e+005



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
271.8775
5.948e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

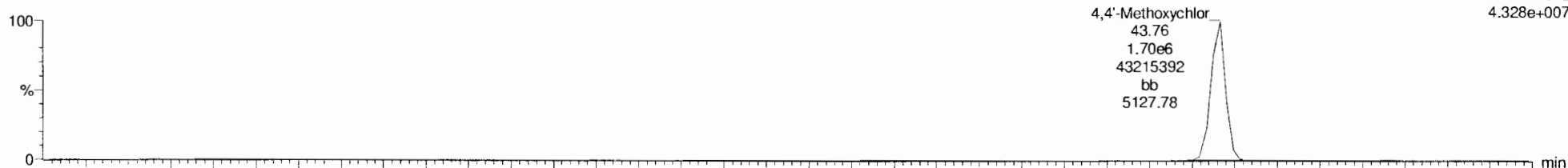
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

4,4'-Methoxychlor

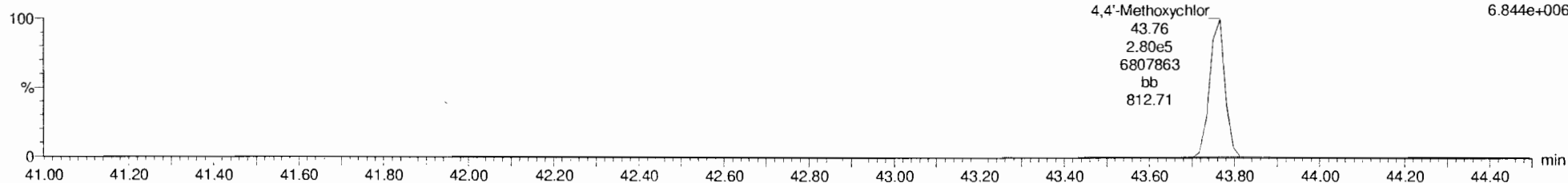
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
227.1072
4.328e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

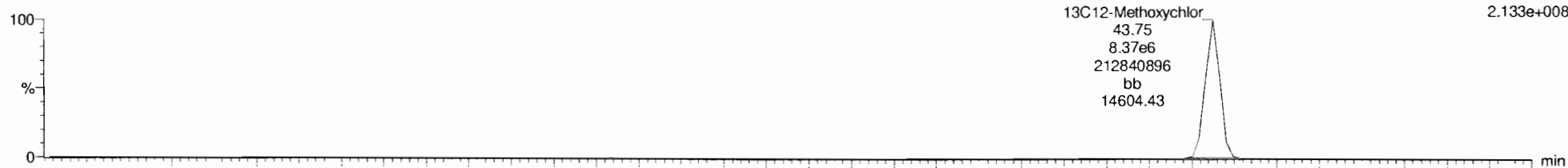
F5:Voltage SIR,EI+
228.1106
6.844e+006



13C12-Methoxychlor

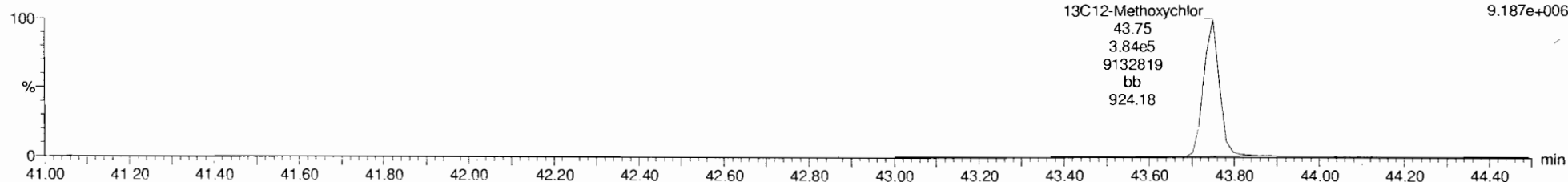
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
239.1475
2.133e+008



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
240.1508
9.187e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

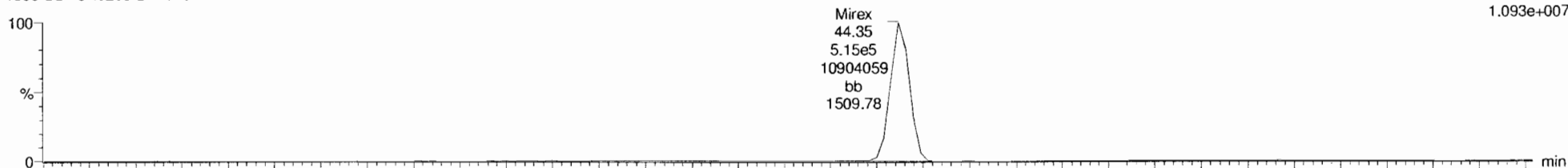
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Mirex

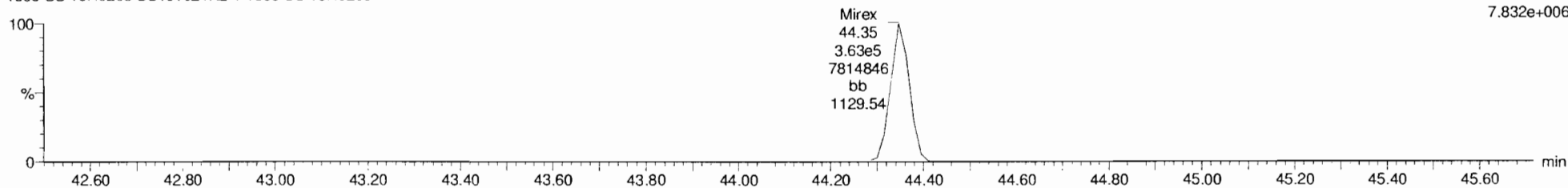
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
236.8413
1.093e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

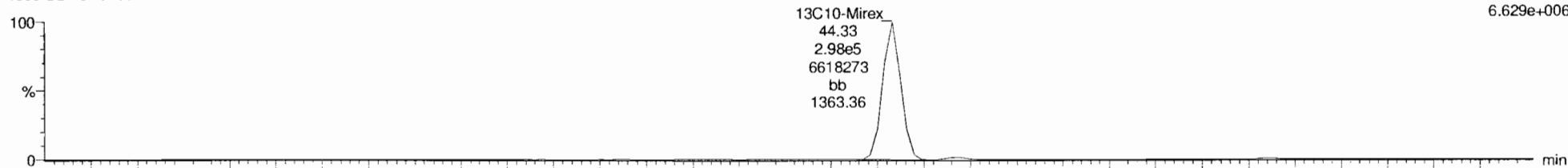
F5:Voltage SIR,EI+
238.8384
7.832e+006



13C10-Mirex

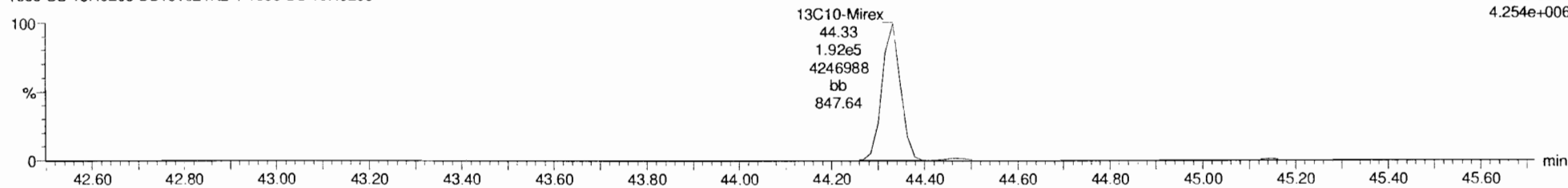
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
241.8581
6.629e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
243.8551
4.254e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

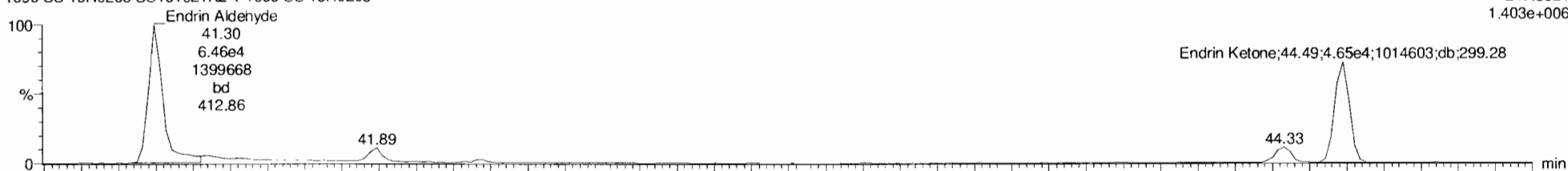
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

EA-EK

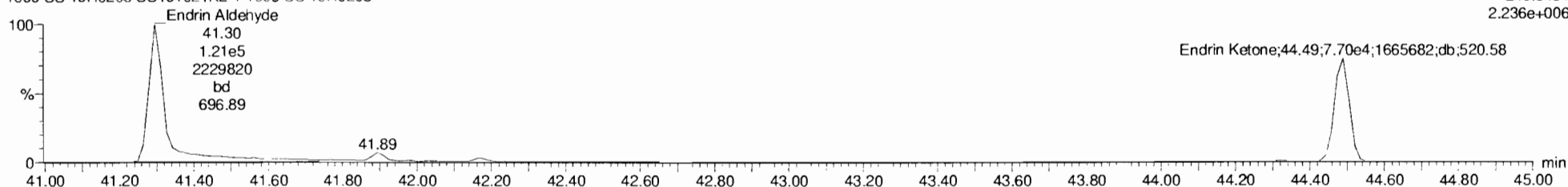
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
247.8521
1.403e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

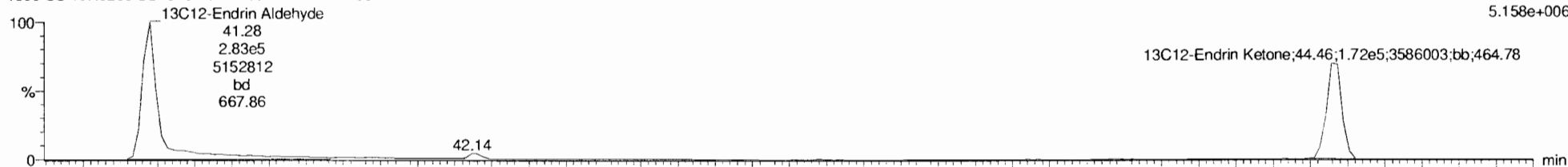
F5:Voltage SIR,EI+
249.8491
2.236e+006



EA-EK-isotopes

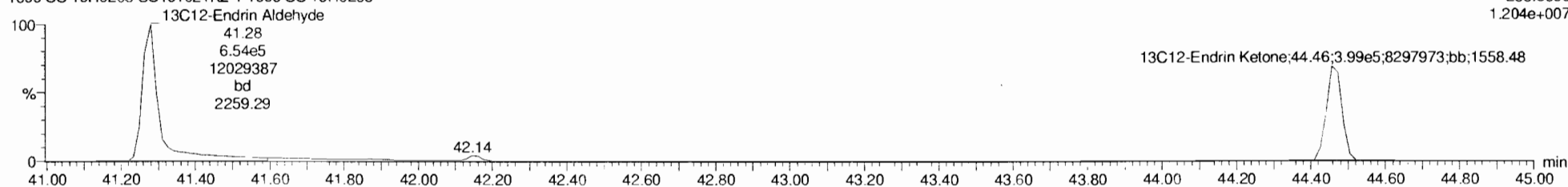
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

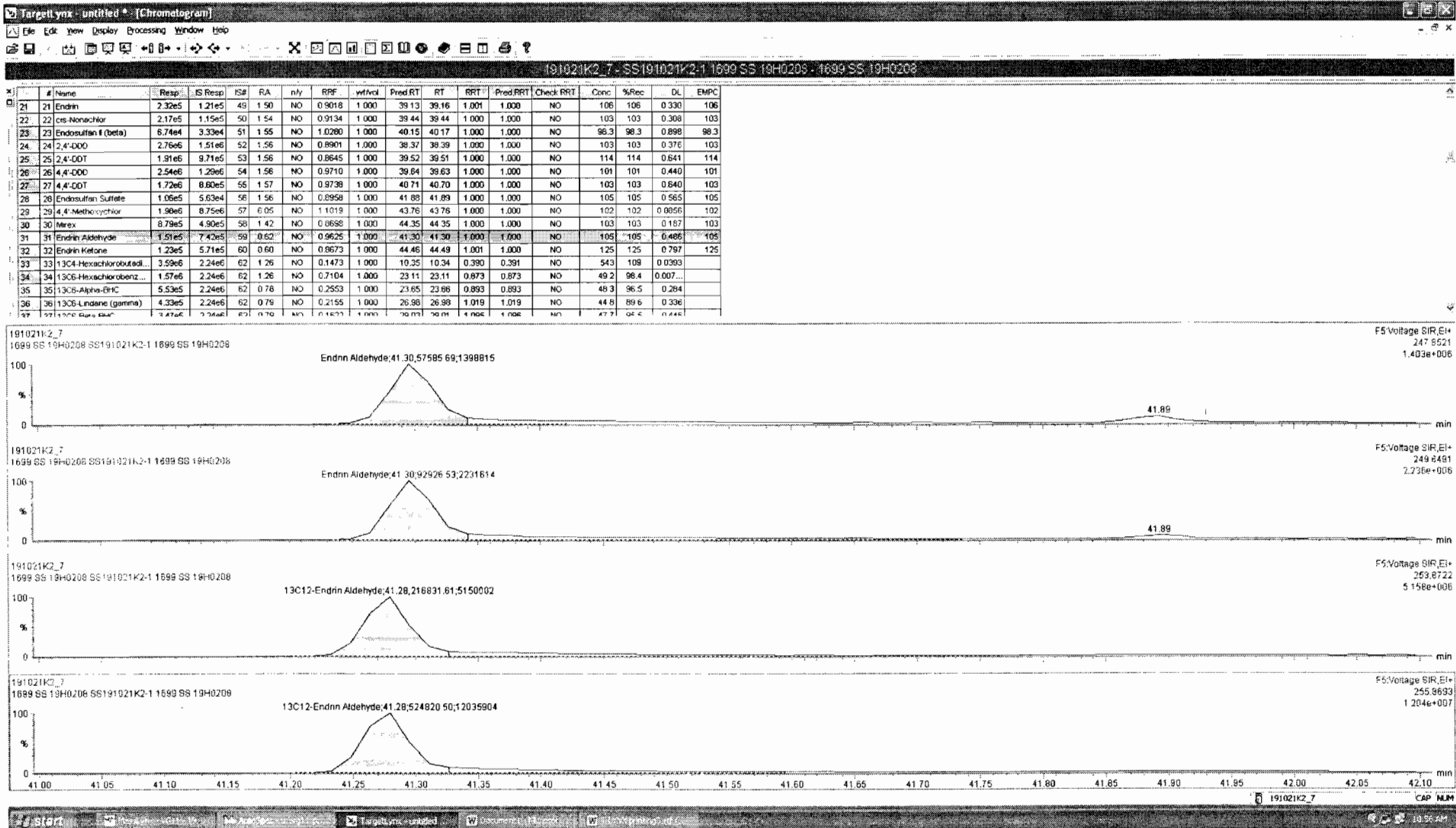
F5:Voltage SIR,EI+
253.8722
5.158e+006



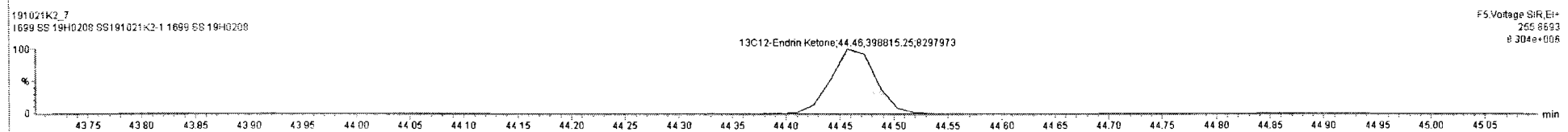
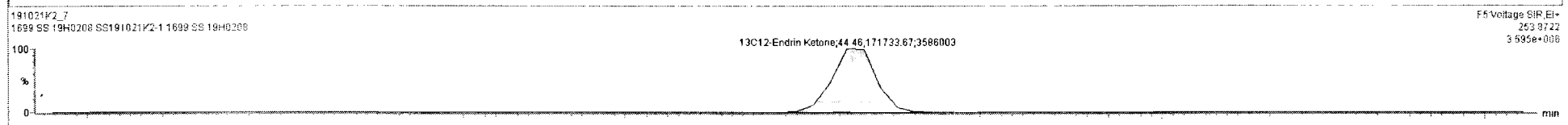
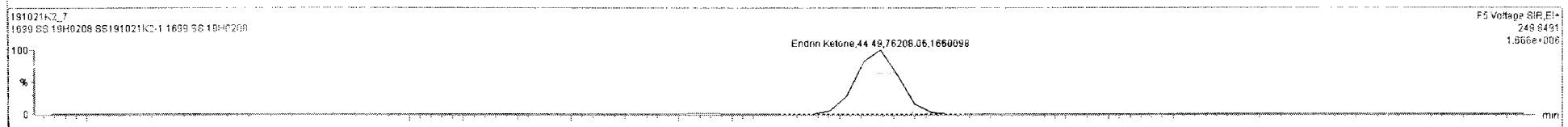
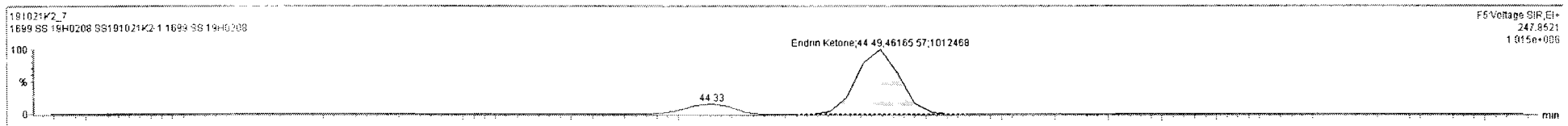
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
255.8693
1.204e+007





| # | Name | Resp | IS Resp | IS# | RA | nY | RRF | wtVel | Pred RT | RT | RRT | Pred RRT | Check RRT | Conc. | %Rec | DL | EMPC |
|----|---------------------------|--------|---------|-----|------|----|--------|-------|---------|-------|-------|----------|-----------|-------|------|--------|------|
| 21 | 21 Endrin | 2.32e5 | 1.21e5 | 49 | 1.50 | NO | 0.9018 | 1.000 | 39.13 | 39.16 | 1.001 | 1.000 | NO | 106 | 106 | 0.330 | 106 |
| 22 | 22 cis-Nonachlor | 2.17e5 | 1.15e5 | 50 | 1.54 | NO | 0.9134 | 1.000 | 39.44 | 39.44 | 1.000 | 1.000 | NO | 103 | 103 | 0.308 | 103 |
| 23 | 23 Endosulfan II (beta) | 6.74e4 | 3.33e4 | 51 | 1.55 | NO | 1.0280 | 1.000 | 40.15 | 40.17 | 1.000 | 1.000 | NO | 98.3 | 98.3 | 0.898 | 98.3 |
| 24 | 24 2,4'-DDD | 2.76e6 | 1.51e6 | 52 | 1.56 | NO | 0.8901 | 1.000 | 38.37 | 38.39 | 1.000 | 1.000 | NO | 103 | 103 | 0.376 | 103 |
| 25 | 25 2,4'-DDT | 1.91e6 | 9.71e5 | 53 | 1.56 | NO | 0.8645 | 1.000 | 39.52 | 39.51 | 1.000 | 1.000 | NO | 114 | 114 | 0.641 | 114 |
| 26 | 26 4,4'-DDD | 2.54e6 | 1.29e6 | 54 | 1.56 | NO | 0.9710 | 1.000 | 39.64 | 39.63 | 1.000 | 1.000 | NO | 101 | 101 | 0.440 | 101 |
| 27 | 27 4,4'-DDT | 1.72e6 | 8.60e5 | 55 | 1.57 | NO | 0.9738 | 1.000 | 40.71 | 40.70 | 1.000 | 1.000 | NO | 103 | 103 | 0.640 | 103 |
| 28 | 28 Endosulfan Sulfate | 1.06e5 | 5.63e4 | 56 | 1.56 | NO | 0.8958 | 1.000 | 41.88 | 41.89 | 1.000 | 1.000 | NO | 105 | 105 | 0.565 | 105 |
| 29 | 29 4,4'-Methoxychlor | 1.98e6 | 8.75e5 | 57 | 0.05 | NO | 1.1019 | 1.000 | 43.76 | 43.76 | 1.000 | 1.000 | NO | 102 | 102 | 0.0656 | 102 |
| 30 | 30 Mirex | 8.79e5 | 4.90e5 | 58 | 1.42 | NO | 0.8698 | 1.000 | 44.35 | 44.35 | 1.000 | 1.000 | NO | 103 | 103 | 0.187 | 103 |
| 31 | 31 Endrin Aldehyde | 1.51e5 | 7.42e5 | 59 | 0.62 | NO | 0.9625 | 1.000 | 41.30 | 41.30 | 1.000 | 1.000 | NO | 105 | 105 | 0.486 | 105 |
| 32 | 32 Endrin Ketone | 1.22e5 | 5.71e5 | 60 | 0.61 | NO | 0.8673 | 1.000 | 44.46 | 44.49 | 1.001 | 1.000 | NO | 124 | 124 | 0.797 | 124 |
| 33 | 33 13C4-Hexachlorobutadi. | 3.59e6 | 2.24e6 | 62 | 1.26 | NO | 0.1473 | 1.000 | 10.35 | 10.34 | 0.390 | 0.391 | NO | 543 | 109 | 0.0293 | |
| 34 | 34 13C6-Hexachlorobenz | 1.57e6 | 2.24e6 | 62 | 1.26 | NO | 0.7104 | 1.000 | 23.11 | 23.11 | 0.873 | 0.873 | NO | 49.2 | 98.4 | 0.007 | |
| 35 | 35 13C6-Alpha-BHC | 5.53e5 | 2.24e6 | 62 | 0.78 | NO | 0.2553 | 1.000 | 23.65 | 23.66 | 0.893 | 0.893 | NO | 48.3 | 96.5 | 0.284 | |
| 36 | 36 13C6-Lindane (gamma) | 4.33e5 | 2.24e6 | 62 | 0.79 | NO | 0.2155 | 1.000 | 26.98 | 26.98 | 1.019 | 1.019 | NO | 44.8 | 89.6 | 0.336 | |
| 37 | 37 13C6-Delta-BHC | 2.47e5 | 2.24e6 | 62 | 0.79 | NO | 0.1473 | 1.000 | 20.01 | 20.01 | 4.006 | 4.006 | NO | 47.7 | 96.6 | 0.446 | |



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

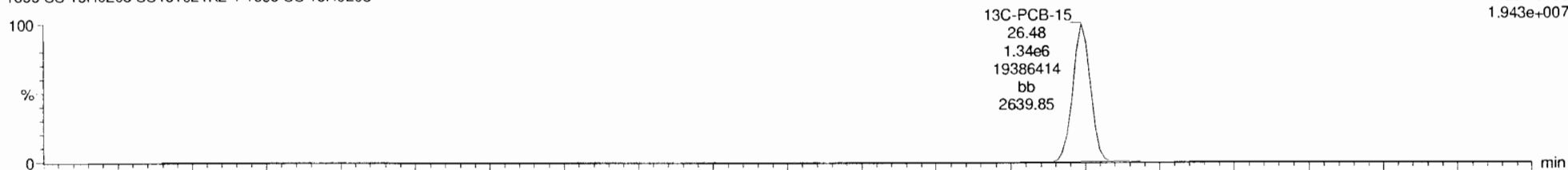
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

13C-PCB-15

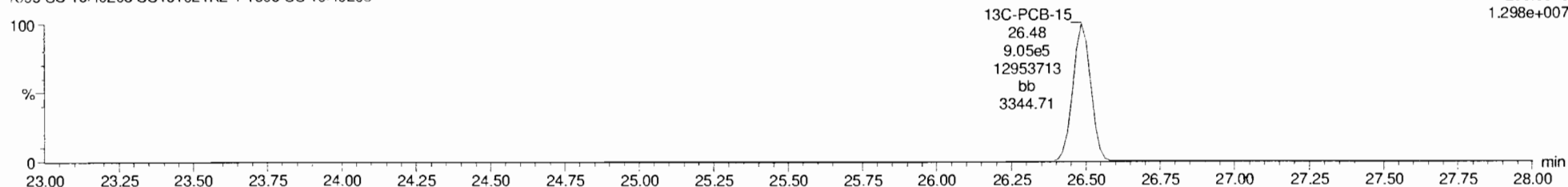
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
234.0406
1.943e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
236.0376
1.298e+007



13C-PCB-60

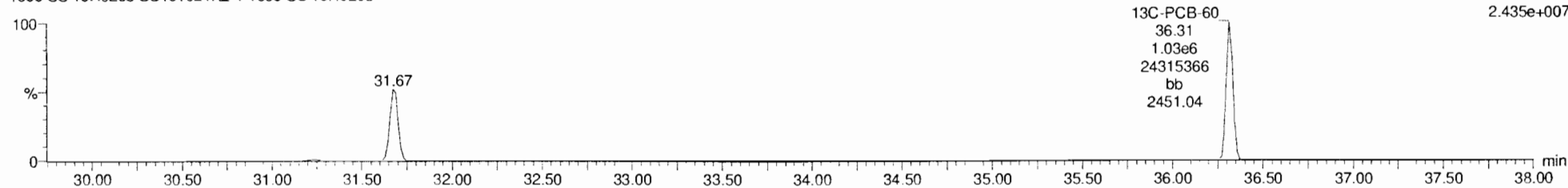
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
301.9626
1.681e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
303.9597
2.435e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

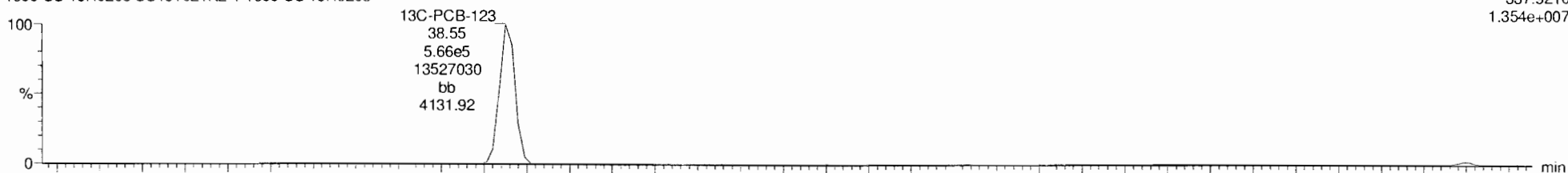
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

13C-PCB-123

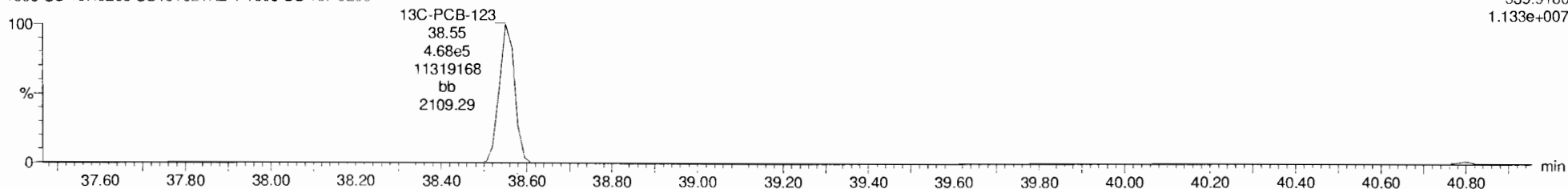
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
337.9210
1.354e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

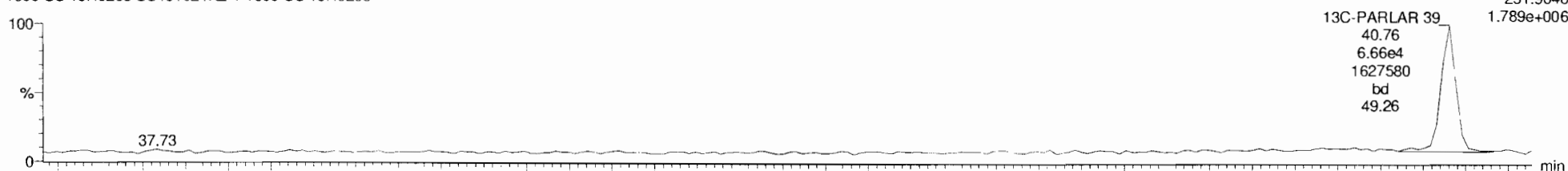
F4:Voltage SIR,EI+
339.9180
1.133e+007



13C-PARLAR 39

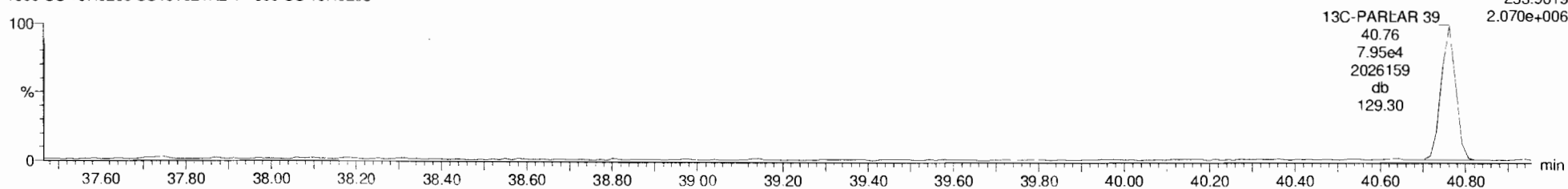
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
251.9648
1.789e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
253.9619
2.070e+006



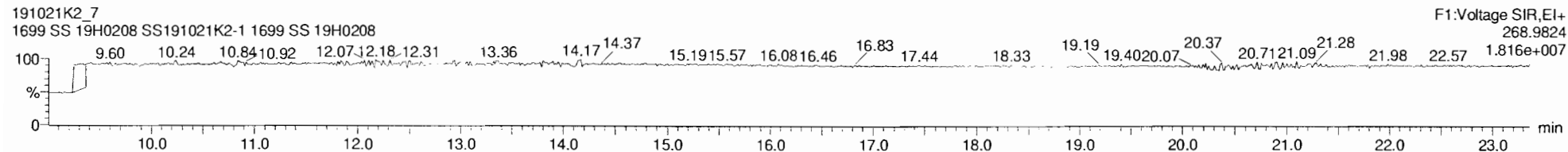
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

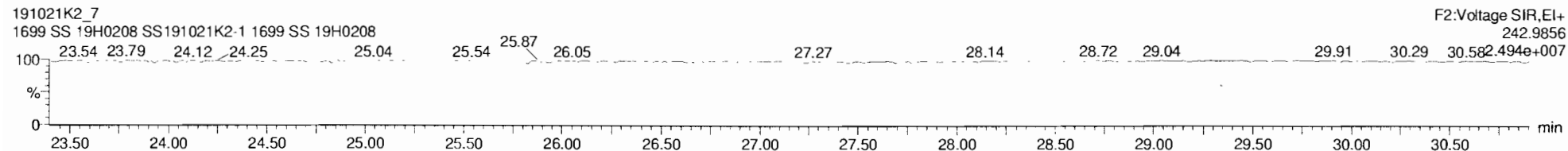
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

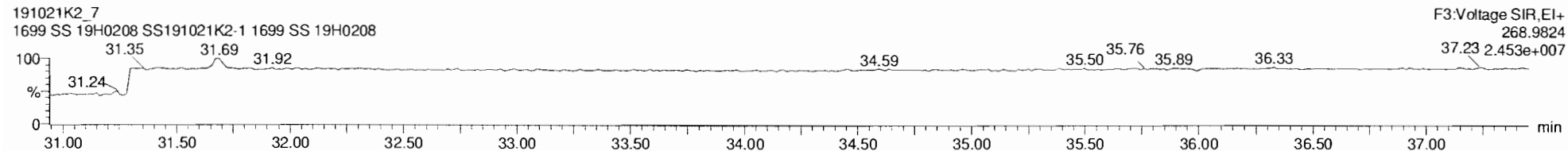
PFK1



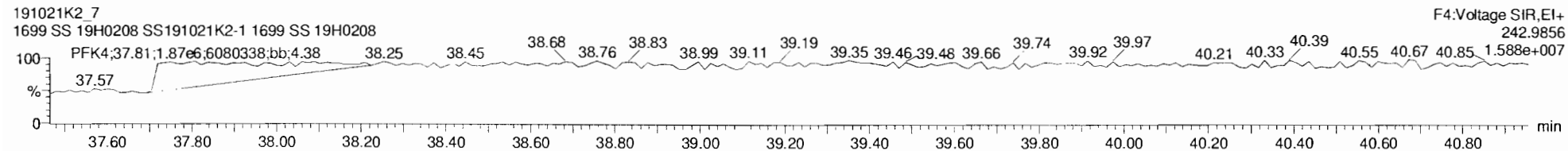
PFK2



PFK3



PFK4



PFK5

