

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
 Data File : VW004176.D  
 Acq On : 24 Jul 2018 15:27  
 Operator : SY/AP  
 Sample : J4040-09  
 Misc : 5.54G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AE3

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Title : VOC Analysis

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.745       | 15            | 26          | 28           | rBV      | 10057          | 20117         | 0.05%           | 0.042%        |
| 2         | 1.800       | 28            | 35          | 58           | rVB      | 665486         | 1626587       | 4.32%           | 3.384%        |
| 3         | 2.148       | 87            | 92          | 97           | rBV2     | 4041           | 8572          | 0.02%           | 0.018%        |
| 4         | 2.343       | 118           | 124         | 133          | rBV      | 46813          | 91448         | 0.24%           | 0.190%        |
| 5         | 2.453       | 140           | 142         | 144          | rBV3     | 1399           | 998           | 0.00%           | 0.002%        |
| 6         | 2.886       | 206           | 213         | 225          | rVB2     | 28954          | 78408         | 0.21%           | 0.163%        |
| 7         | 3.855       | 365           | 372         | 377          | rBV4     | 965            | 2780          | 0.01%           | 0.006%        |
| 8         | 4.007       | 384           | 397         | 413          | rBV      | 76848          | 283091        | 0.75%           | 0.589%        |
| 9         | 4.416       | 462           | 464         | 470          | rVB3     | 518            | 669           | 0.00%           | 0.001%        |
| 10        | 4.586       | 489           | 492         | 494          | rBV2     | 577            | 589           | 0.00%           | 0.001%        |
| 11        | 4.611       | 494           | 496         | 500          | rVB3     | 590            | 613           | 0.00%           | 0.001%        |
| 12        | 4.727       | 512           | 515         | 518          | rBV2     | 560            | 862           | 0.00%           | 0.002%        |
| 13        | 4.916       | 534           | 546         | 559          | rBV3     | 7215           | 30289         | 0.08%           | 0.063%        |
| 14        | 5.409       | 623           | 627         | 628          | rVV3     | 589            | 850           | 0.00%           | 0.002%        |
| 15        | 5.544       | 646           | 649         | 652          | rVB3     | 363            | 554           | 0.00%           | 0.001%        |
| 16        | 5.733       | 678           | 680         | 683          | rBV3     | 417            | 575           | 0.00%           | 0.001%        |
| 17        | 5.922       | 705           | 711         | 722          | rVB6     | 2829           | 7456          | 0.02%           | 0.016%        |
| 18        | 6.135       | 743           | 746         | 750          | rVB4     | 536            | 748           | 0.00%           | 0.002%        |
| 19        | 6.897       | 864           | 871         | 876          | rBV5     | 502            | 1436          | 0.00%           | 0.003%        |
| 20        | 7.086       | 890           | 902         | 908          | rBV2     | 49970          | 137018        | 0.36%           | 0.285%        |
| 21        | 7.153       | 909           | 913         | 926          | rVV2     | 26222          | 76647         | 0.20%           | 0.159%        |
| 22        | 7.275       | 929           | 933         | 935          | rBV4     | 522            | 581           | 0.00%           | 0.001%        |
| 23        | 7.452       | 958           | 962         | 964          | rVB3     | 758            | 1032          | 0.00%           | 0.002%        |
| 24        | 7.513       | 969           | 972         | 973          | rBV2     | 850            | 984           | 0.00%           | 0.002%        |
| 25        | 7.537       | 973           | 976         | 978          | rBV3     | 972            | 1215          | 0.00%           | 0.003%        |
| 26        | 7.647       | 984           | 994         | 1013         | rVB      | 180070         | 445323        | 1.18%           | 0.927%        |
| 27        | 7.830       | 1019          | 1024        | 1026         | rBV3     | 373            | 682           | 0.00%           | 0.001%        |
| 28        | 7.921       | 1035          | 1039        | 1042         | rBV3     | 305            | 532           | 0.00%           | 0.001%        |
| 29        | 7.946       | 1042          | 1043        | 1049         | rVV4     | 496            | 686           | 0.00%           | 0.001%        |
| 30        | 8.275       | 1086          | 1097        | 1113         | rBV2     | 319962         | 1001009       | 2.66%           | 2.083%        |
| 31        | 8.488       | 1130          | 1132        | 1134         | rVV3     | 707            | 508           | 0.00%           | 0.001%        |
| 32        | 8.622       | 1151          | 1154        | 1156         | rBV3     | 504            | 776           | 0.00%           | 0.002%        |
| 33        | 8.702       | 1162          | 1167        | 1169         | rBV4     | 1032           | 1600          | 0.00%           | 0.003%        |
| 34        | 8.848       | 1182          | 1191        | 1202         | rBV      | 390797         | 773365        | 2.05%           | 1.609%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
 Data File : VW004176.D  
 Acq On : 24 Jul 2018 15:27  
 Operator : SY/AP  
 Sample : J4040-09  
 Misc : 5.54G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AE3

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 35 | 9.092  | 1217 | 1231 | 1243 | rVB2 | 31019    | 67024    | 0.18%   | 0.139%  |
| 36 | 9.275  | 1252 | 1261 | 1270 | rBV  | 251303   | 515276   | 1.37%   | 1.072%  |
| 37 | 9.421  | 1282 | 1285 | 1291 | rVB6 | 803      | 1542     | 0.00%   | 0.003%  |
| 38 | 9.506  | 1295 | 1299 | 1300 | rBV  | 602      | 597      | 0.00%   | 0.001%  |
| 39 | 9.665  | 1319 | 1325 | 1333 | rVB5 | 1859     | 4039     | 0.01%   | 0.008%  |
| 40 | 9.756  | 1337 | 1340 | 1342 | rBV2 | 861      | 1026     | 0.00%   | 0.002%  |
| 41 | 9.829  | 1351 | 1352 | 1354 | rVV2 | 731      | 646      | 0.00%   | 0.001%  |
| 42 | 9.866  | 1356 | 1358 | 1360 | rVV2 | 701      | 537      | 0.00%   | 0.001%  |
| 43 | 9.890  | 1360 | 1362 | 1365 | rVB4 | 675      | 796      | 0.00%   | 0.002%  |
| 44 | 10.037 | 1377 | 1386 | 1396 | rBV  | 124298   | 223075   | 0.59%   | 0.464%  |
| 45 | 10.122 | 1399 | 1400 | 1404 | rVB2 | 967      | 1043     | 0.00%   | 0.002%  |
| 46 | 10.220 | 1413 | 1416 | 1421 | rBV3 | 680      | 1139     | 0.00%   | 0.002%  |
| 47 | 10.329 | 1425 | 1434 | 1441 | rBV  | 415032   | 738410   | 1.96%   | 1.536%  |
| 48 | 10.396 | 1441 | 1445 | 1451 | rVB2 | 3249     | 5965     | 0.02%   | 0.012%  |
| 49 | 10.476 | 1455 | 1458 | 1459 | rBV2 | 714      | 753      | 0.00%   | 0.002%  |
| 50 | 10.579 | 1469 | 1475 | 1486 | rVB  | 89425    | 155263   | 0.41%   | 0.323%  |
| 51 | 10.665 | 1486 | 1489 | 1492 | rBV4 | 1421     | 2160     | 0.01%   | 0.004%  |
| 52 | 10.713 | 1492 | 1497 | 1503 | rBV  | 3613     | 5892     | 0.02%   | 0.012%  |
| 53 | 10.793 | 1503 | 1510 | 1513 | rBV8 | 2774     | 6918     | 0.02%   | 0.014%  |
| 54 | 10.866 | 1513 | 1522 | 1529 | rVV  | 22158162 | 37633659 | 100.00% | 78.303% |
| 55 | 10.927 | 1529 | 1532 | 1549 | rVV  | 211120   | 367499   | 0.98%   | 0.765%  |
| 56 | 11.073 | 1551 | 1556 | 1562 | rVB3 | 10473    | 18502    | 0.05%   | 0.038%  |
| 57 | 11.293 | 1590 | 1592 | 1593 | rBV2 | 1560     | 1086     | 0.00%   | 0.002%  |
| 58 | 11.634 | 1641 | 1648 | 1658 | rBV  | 606798   | 995750   | 2.65%   | 2.072%  |
| 59 | 11.738 | 1658 | 1665 | 1670 | rVB  | 32671    | 57470    | 0.15%   | 0.120%  |
| 60 | 12.177 | 1733 | 1737 | 1744 | rVB7 | 2079     | 4245     | 0.01%   | 0.009%  |
| 61 | 12.347 | 1761 | 1765 | 1768 | rBV4 | 1118     | 1431     | 0.00%   | 0.003%  |
| 62 | 12.433 | 1774 | 1779 | 1780 | rBV2 | 1570     | 1930     | 0.01%   | 0.004%  |
| 63 | 12.615 | 1804 | 1809 | 1815 | rVB  | 19562    | 33562    | 0.09%   | 0.070%  |
| 64 | 12.701 | 1815 | 1823 | 1831 | rVV  | 259186   | 435510   | 1.16%   | 0.906%  |
| 65 | 12.756 | 1831 | 1832 | 1838 | rVB5 | 553      | 788      | 0.00%   | 0.002%  |
| 66 | 12.908 | 1843 | 1857 | 1859 | rBV9 | 6545     | 21776    | 0.06%   | 0.045%  |
| 67 | 13.121 | 1884 | 1892 | 1897 | rBV8 | 1849     | 4207     | 0.01%   | 0.009%  |
| 68 | 13.201 | 1901 | 1905 | 1909 | rBV5 | 1088     | 1886     | 0.01%   | 0.004%  |
| 69 | 13.256 | 1909 | 1914 | 1918 | rBV4 | 3408     | 6604     | 0.02%   | 0.014%  |
| 70 | 13.341 | 1918 | 1928 | 1929 | rBV4 | 15502    | 35851    | 0.10%   | 0.075%  |
| 71 | 13.475 | 1944 | 1950 | 1958 | rBV9 | 7545     | 23591    | 0.06%   | 0.049%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
 Data File : VW004176.D  
 Acq On : 24 Jul 2018 15:27  
 Operator : SY/AP  
 Sample : J4040-09  
 Misc : 5.54G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AE3

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |       |        |
|-----|--------|------|------|------|------|--------|---------|-------|--------|
| 72  | 13.567 | 1958 | 1965 | 1975 | rVB  | 631371 | 1010264 | 2.68% | 2.102% |
| 73  | 13.658 | 1977 | 1980 | 1984 | rVB3 | 5958   | 8534    | 0.02% | 0.018% |
| 74  | 13.695 | 1984 | 1986 | 1988 | rVB2 | 914    | 632     | 0.00% | 0.001% |
| 75  | 13.725 | 1988 | 1991 | 1993 | rBV4 | 1077   | 1405    | 0.00% | 0.003% |
| 76  | 13.768 | 1993 | 1998 | 2006 | rBV9 | 2890   | 7269    | 0.02% | 0.015% |
| 77  | 13.859 | 2006 | 2013 | 2020 | rBV  | 488197 | 810223  | 2.15% | 1.686% |
| 78  | 14.085 | 2046 | 2050 | 2059 | rVB2 | 13873  | 25753   | 0.07% | 0.054% |
| 79  | 14.201 | 2065 | 2069 | 2075 | rBV6 | 760    | 1664    | 0.00% | 0.003% |
| 80  | 14.335 | 2082 | 2091 | 2098 | rBV4 | 29607  | 57268   | 0.15% | 0.119% |
| 81  | 14.432 | 2104 | 2107 | 2109 | rVB4 | 1291   | 1268    | 0.00% | 0.003% |
| 82  | 14.463 | 2109 | 2112 | 2116 | rVB2 | 2651   | 3695    | 0.01% | 0.008% |
| 83  | 14.536 | 2119 | 2124 | 2128 | rBV6 | 4191   | 9216    | 0.02% | 0.019% |
| 84  | 14.700 | 2148 | 2151 | 2153 | rVB4 | 1052   | 1132    | 0.00% | 0.002% |
| 85  | 14.780 | 2162 | 2164 | 2165 | rBV2 | 886    | 864     | 0.00% | 0.002% |
| 86  | 14.810 | 2165 | 2169 | 2175 | rVB7 | 2834   | 4888    | 0.01% | 0.010% |
| 87  | 14.993 | 2187 | 2199 | 2210 | rVB3 | 17202  | 66524   | 0.18% | 0.138% |
| 88  | 15.115 | 2210 | 2219 | 2228 | rBV8 | 3701   | 13338   | 0.04% | 0.028% |
| 89  | 15.188 | 2228 | 2231 | 2240 | rVB8 | 5185   | 11217   | 0.03% | 0.023% |
| 90  | 15.274 | 2240 | 2245 | 2246 | rBV3 | 1416   | 1988    | 0.01% | 0.004% |
| 91  | 15.371 | 2254 | 2261 | 2267 | rBV7 | 5567   | 13554   | 0.04% | 0.028% |
| 92  | 15.517 | 2280 | 2285 | 2297 | rVB4 | 6548   | 17482   | 0.05% | 0.036% |
| 93  | 15.652 | 2301 | 2307 | 2308 | rBV4 | 3122   | 4718    | 0.01% | 0.010% |
| 94  | 15.865 | 2340 | 2342 | 2346 | rVB5 | 1080   | 1079    | 0.00% | 0.002% |
| 95  | 15.981 | 2359 | 2361 | 2363 | rBV3 | 1409   | 1495    | 0.00% | 0.003% |
| 96  | 16.103 | 2378 | 2381 | 2382 | rBV2 | 620    | 555     | 0.00% | 0.001% |
| 97  | 16.139 | 2382 | 2387 | 2391 | rBV4 | 3825   | 7328    | 0.02% | 0.015% |
| 98  | 16.255 | 2404 | 2406 | 2409 | rVB4 | 556    | 572     | 0.00% | 0.001% |
| 99  | 16.389 | 2426 | 2428 | 2429 | rBV2 | 772    | 584     | 0.00% | 0.001% |
| 100 | 16.450 | 2435 | 2438 | 2440 | rBV3 | 803    | 898     | 0.00% | 0.002% |

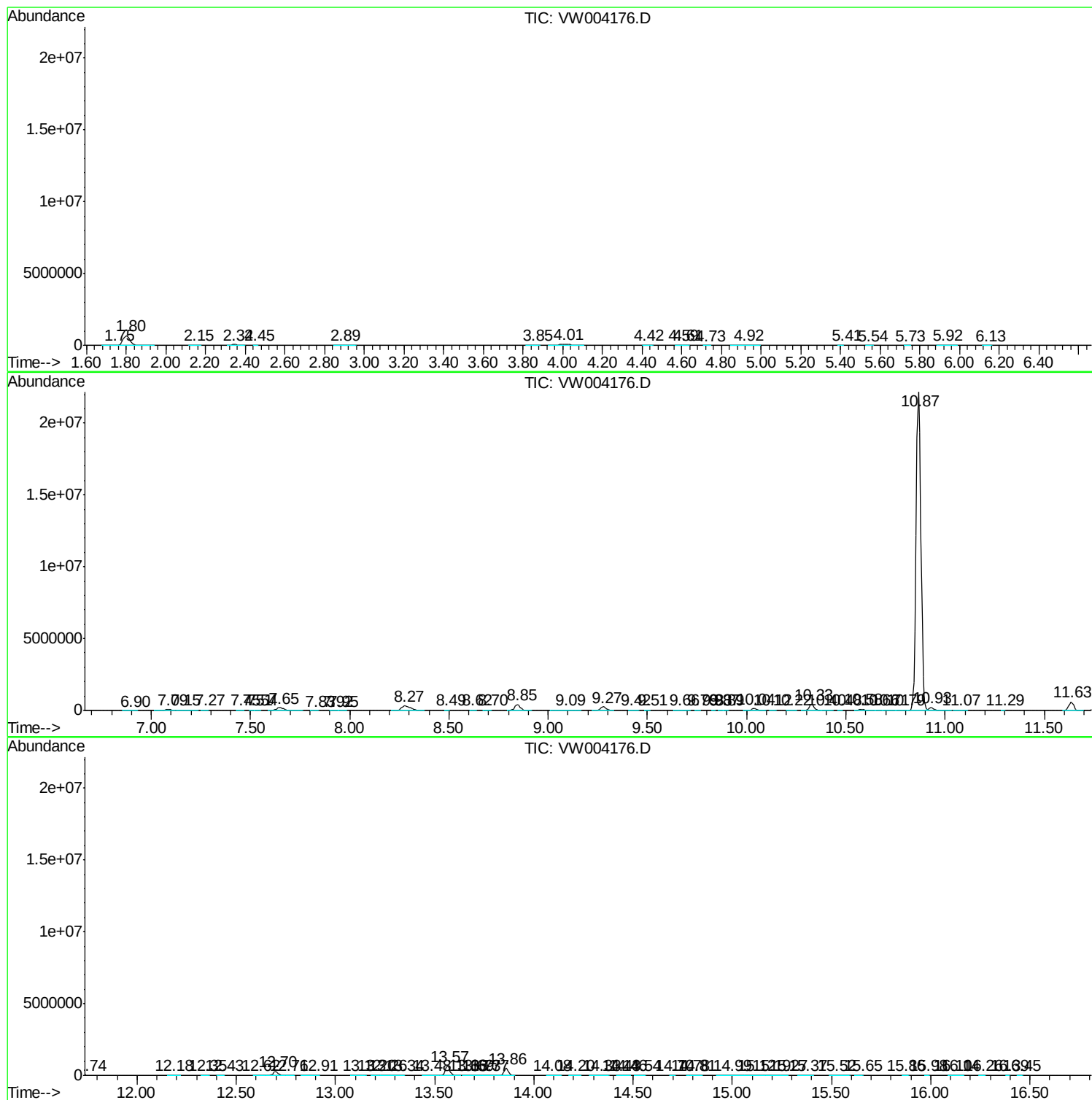
Sum of corrected areas: 48061455

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
Data File : VW004176.D  
Acq On : 24 Jul 2018 15:27  
Operator : SY/AP  
Sample : J4040-09  
Misc : 5.54G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AE3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
Data File : VW004176.D  
Acq On : 24 Jul 2018 15:27  
Operator : SY/AP  
Sample : J4040-09  
Misc : 5.54G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AE3

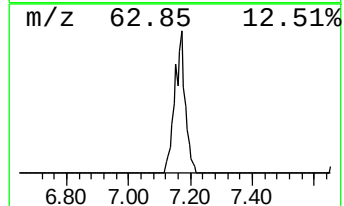
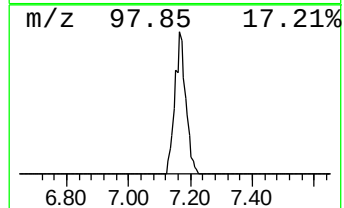
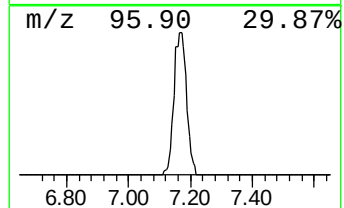
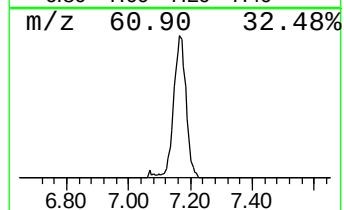
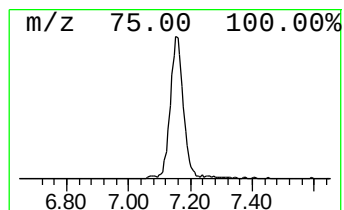
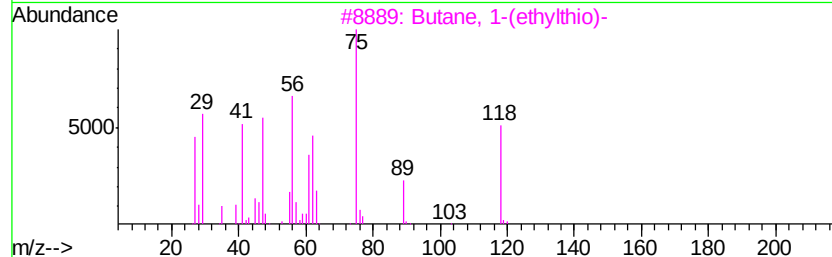
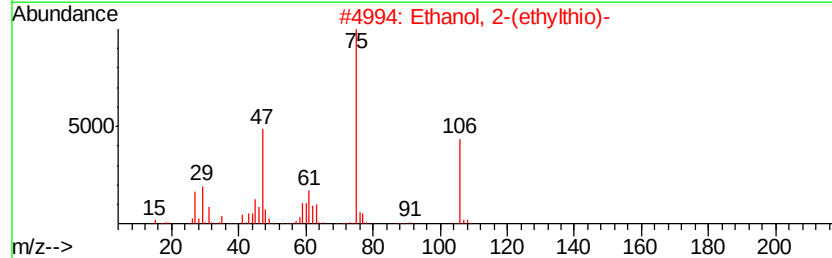
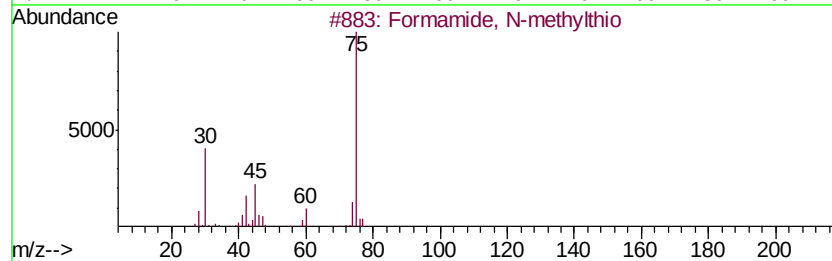
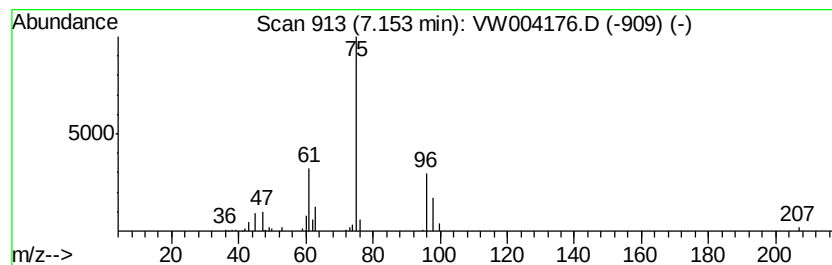
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 7.15 | 2.48 ug/L | 76647 | 1,4-Difluorobenzene | 8.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Formamide, N-methylthio             | 75  | C2H5NS   | 018952-41-5 | 43   |
| 2    |    | Ethanol, 2-(ethylthio)-             | 106 | C4H10OS  | 000110-77-0 | 36   |
| 3    |    | Butane, 1-(ethylthio)-              | 118 | C6H14S   | 000638-46-0 | 34   |
| 4    |    | Carbonochloridothioic acid, S-me... | 110 | C2H3ClOS | 018369-83-0 | 33   |
| 5    |    | Disulfide, bis[1-(methylthio)ethyl] | 214 | C6H14S4  | 069078-77-9 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
Data File : VW004176.D  
Acq On : 24 Jul 2018 15:27  
Operator : SY/AP  
Sample : J4040-09  
Misc : 5.54G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AE3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
Quant Title : VOC Analysis

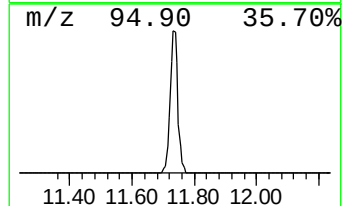
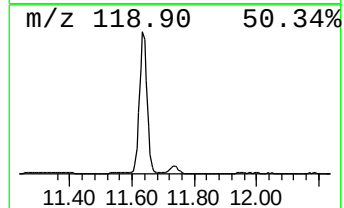
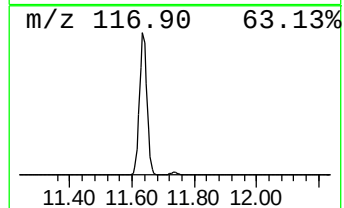
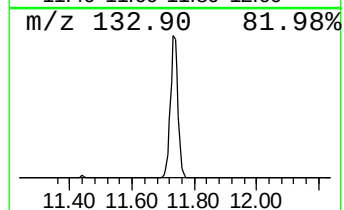
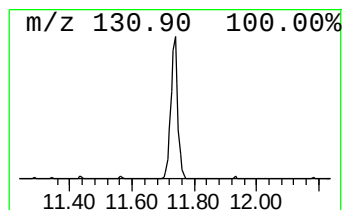
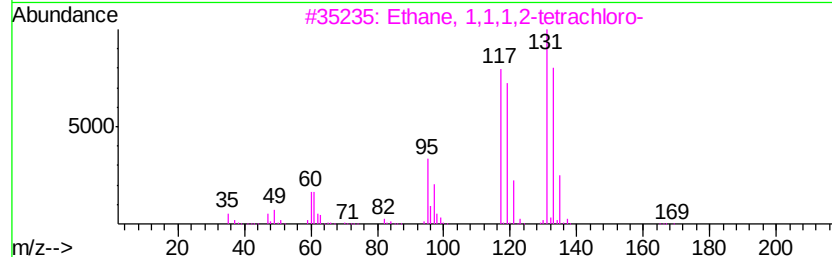
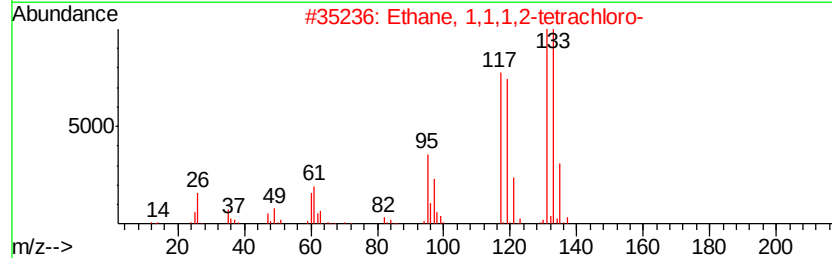
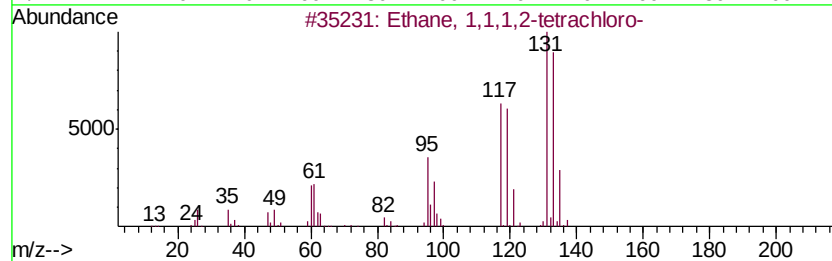
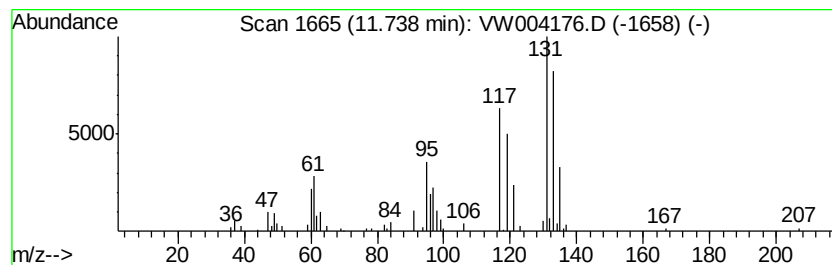
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 11.74 | 1.44 ug/L | 57470 | Chlorobenzene-d5 | 11.63 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4    | 000630-20-6  | 91   |
| 2       |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4    | 000630-20-6  | 90   |
| 3       |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4    | 000630-20-6  | 72   |
| 4       |   | Clorethate                          | 322 | C5H4Cl6O3  | 005634-37-7  | 58   |
| 5       |   | Glutaric acid, monochloride, 3-m... | 220 | C10H17ClO3 | 1000359-72-9 | 14   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
Data File : VW004176.D  
Acq On : 24 Jul 2018 15:27  
Operator : SY/AP  
Sample : J4040-09  
Misc : 5.54G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AE3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
Quant Title : VOC Analysis

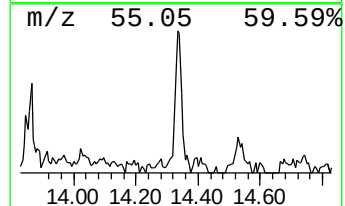
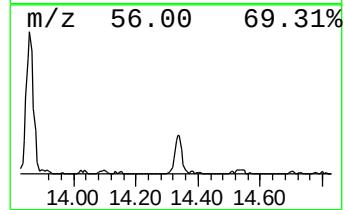
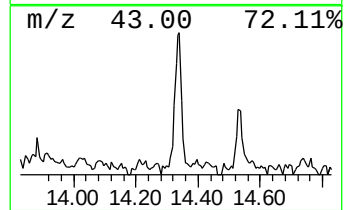
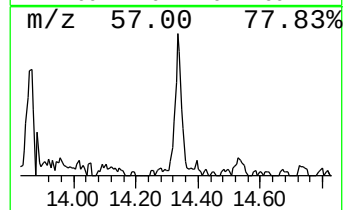
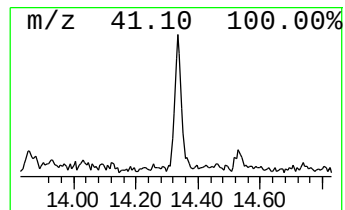
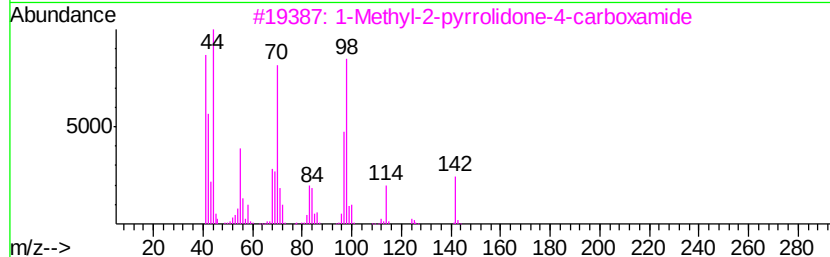
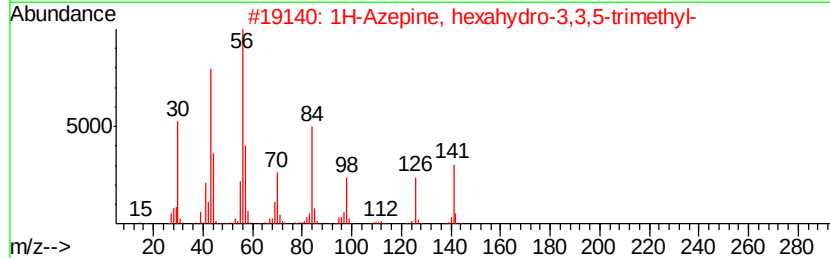
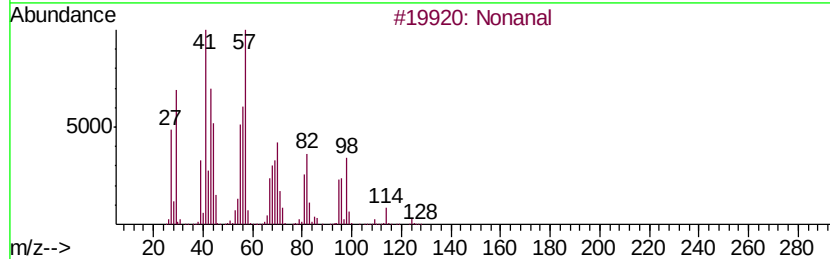
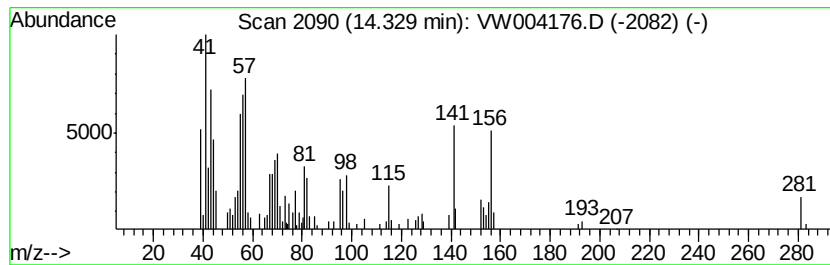
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown-02 Concentration Rank 7

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.33 | 1.42 ug/L | 57268 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Nonanal                             | 142 | C9H18O    | 000124-19-6 | 43   |
| 2    |    | 1H-Azepine, hexahydro-3,3,5-trim... | 141 | C9H19N    | 035466-89-8 | 38   |
| 3    |    | 1-Methyl-2-pyrrolidone-4-carboxa... | 142 | C6H10N2O2 | 089677-16-7 | 22   |
| 4    |    | Decanal                             | 156 | C10H20O   | 000112-31-2 | 22   |
| 5    |    | 2-Decene, 6-methyl-, (Z)-           | 154 | C11H22    | 074630-31-2 | 18   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
Data File : VW004176.D  
Acq On : 24 Jul 2018 15:27  
Operator : SY/AP  
Sample : J4040-09  
Misc : 5.54G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AE3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
Quant Title : VOC Analysis

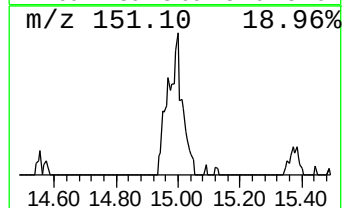
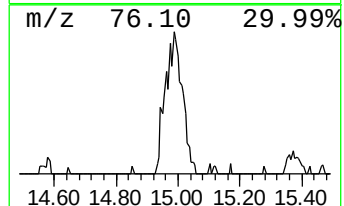
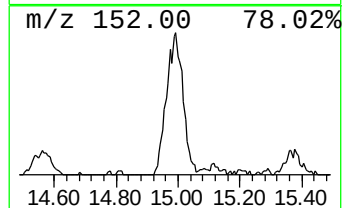
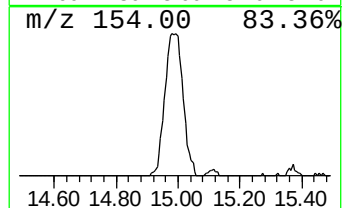
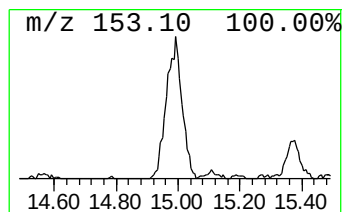
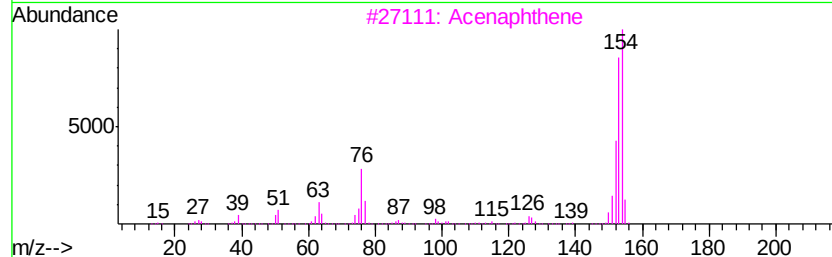
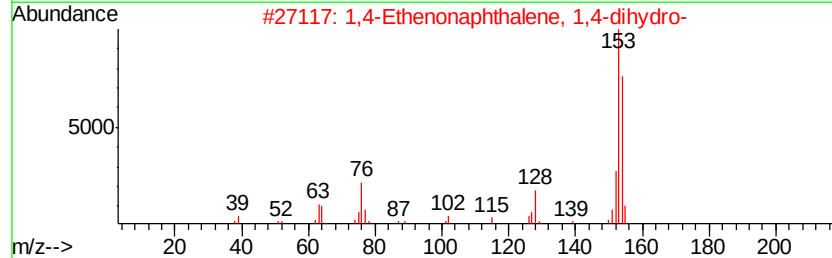
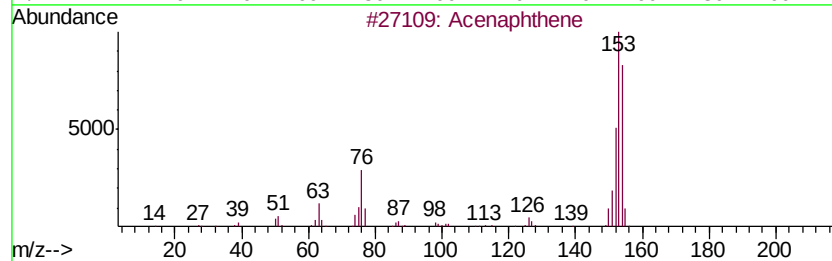
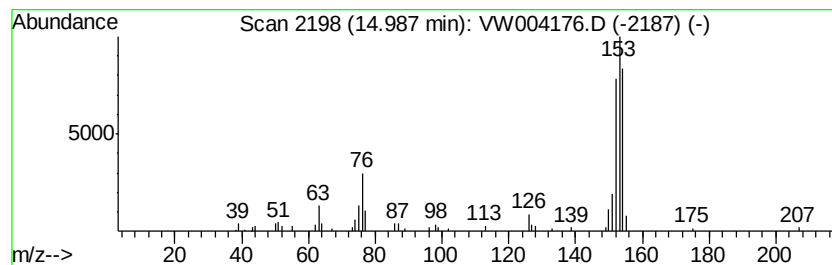
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1,4-Ethenonaphthalene, 1,4-... Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.99 | 1.65 ug/L | 66524 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Acenaphthene                        | 154 | C12H10  | 000083-32-9 | 64   |
| 2    |    | 1,4-Ethenonaphthalene, 1,4-dihydro- | 154 | C12H10  | 007322-47-6 | 50   |
| 3    |    | Acenaphthene                        | 154 | C12H10  | 000083-32-9 | 38   |
| 4    |    | Naphthalene, 2-ethenyl-             | 154 | C12H10  | 000827-54-3 | 38   |
| 5    |    | Acenaphthene                        | 154 | C12H10  | 000083-32-9 | 38   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072418\  
Data File : VW004176.D  
Acq On : 24 Jul 2018 15:27  
Operator : SY/AP  
Sample : J4040-09  
Misc : 5.54G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AE3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01           | 7.15  | 2.5     | ug/L  | 76647    | 1                     | 8.85  | 773365  | 25.0 |
| Ethane, 1,1,1,2-t... | 11.74 | 1.4     | ug/L  | 57470    | 2                     | 11.63 | 995750  | 25.0 |
| unknown-02           | 14.33 | 1.4     | ug/L  | 57268    | 3                     | 13.57 | 1010260 | 25.0 |
| 1,4-Ethenonaphtha... | 14.99 | 1.6     | ug/L  | 66524    | 3                     | 13.57 | 1010260 | 25.0 |