LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Title : SFAM01.0

Signal : TIC: VW023767.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.458 | 418 | 419 | 422 | rBV3 | 1265 | 1370 | 2.32% | 0.317% |
| 2 | 4.665 | 451 | 453 | 456 | rBV4 | 1572 | 1469 | 2.48% | 0.340% |
| 3 | 4.720 | 458 | 462 | 463 | rBV4 | 1232 | 1288 | 2.18% | 0.298% |
| 4 | 4.995 | 505 | 507 | 510 | rVB3 | 1819 | 1734 | 2.93% | 0.401% |
| 5 | 5.025 | 510 | 512 | 513 | rBV2 | 904 | 869 | 1.47% | 0.201% |
| 6 | 5.068 | 515 | 519 | 520 | rBV4 | 1402 | 1900 | 3.21% | 0.439% |
| 7 | 5.226 | 542 | 545 | 546 | rBV3 | 1311 | 1312 | 2.22% | 0.303% |
| 8 | 5.275 | 551 | 553 | 554 | rVB2 | 2076 | 891 | 1.51% | 0.206% |
| 9 | 5.391 | 569 | 572 | 575 | rBV5 | 1312 | 2157 | 3.65% | 0.499% |
| 10 | 5.598 | 604 | 606 | 608 | rBV2 | 871 | 776 | 1.31% | 0.179% |
| 11 | 5.751 | 630 | 631 | 633 | rBV2 | 1239 | 1030 | 1.74% | 0.238% |
| 12 | 6.446 | 743 | 745 | 747 | rVB3 | 1881 | 1344 | 2.27% | 0.311% |
| 13 | 6.470 | 747 | 749 | 750 | rBV2 | 922 | 686 | 1.16% | 0.159% |
| 14 | 6.561 | 760 | 764 | 766 | rBV5 | 1381 | 2054 | 3.47% | 0.475% |
| 15 | 6.586 | 766 | 768 | 769 | rBV | 747 | 485 | 0.82% | 0.112% |
| 16 | 6.757 | 794 | 796 | 798 | rBV3 | 1022 | 1029 | 1.74% | 0.238% |
| 17 | 7.037 | 839 | 842 | 844 | rBV4 | 1248 | 1518 | 2.57% | 0.351% |
| 18 | 7.074 | 844 | 848 | 849 | rBV3 | 2706 | 3599 | 6.09% | 0.832% |
| 19 | 7.196 | 866 | 868 | 869 | rBV2 | 1090 | 470 | 0.79% | 0.109% |
| 20 | 7.647 | 933 | 942 | 951 | rBV2 | 10858 | 32558 | 55.07% | 7.525% |
| 21 | 7.811 | 967 | 969 | 971 | rBV3 | 1372 | 1303 | 2.20% | 0.301% |
| 22 | 8.275 | 1036 | 1045 | 1057 | rBV4 | 16455 | 59120 | 100.00% | 13.664% |
| 23 | 8.842 | 1132 | 1138 | 1144 | rVB2 | 14327 | 28971 | 49.00% | 6.696% |
| 24 | 8.939 | 1152 | 1154 | 1156 | rBV2 | 1077 | 1144 | 1.94% | 0.264% |
| 25 | 9.031 | 1167 | 1169 | 1170 | rBV2 | 1519 | 1147 | 1.94% | 0.265% |
| 26 | 9.274 | 1202 | 1209 | 1216 | rBV2 | 15484 | 32271 | 54.59% | 7.459% |
| 27 | 9.561 | 1253 | 1256 | 1259 | rBV4 | 1241 | 1494 | 2.53% | 0.345% |
| 28 | 9.695 | 1276 | 1278 | 1282 | rBV5 | 1020 | 1603 | 2.71% | 0.370% |
| 29 | 9.811 | 1294 | 1297 | 1298 | rBV2 | 1102 | 1163 | 1.97% | 0.269% |
| 30 | 10.030 | 1327 | 1333 | 1342 | rVB3 | 6789 | 13955 | 23.60% | 3.225% |
| 31 | 10.097 | 1342 | 1344 | 1346 | rBV3 | 1443 | 1616 | 2.73% | 0.374% |
| 32 | 10.213 | 1360 | 1363 | 1364 | rBV2 | 1018 | 933 | 1.58% | 0.216% |
| 33 | 10.232 | 1364 | 1366 | 1368 | rVB3 | 943 | 674 | 1.14% | 0.156% |
| 34 | 10.329 | 1376 | 1382 | 1387 | rBV2 | 14692 | 28181 | 47.67% | 6.513% |
| 35 | 10.683 | 1438 | 1440 | 1442 | rBV2 | 1495 | 1735 | 2.93% | 0.401% |
| 36 | 10.719 | 1445 | 1446 | 1450 | rBV4 | 1254 | 1109 | 1.88% | 0.256% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** F5C18RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.835 | 1464 | 1465 | 1467 | rVB2 | 963 | 678 | 1.15% | 0.157% |
| 38 | 10.927 | 1475 | 1480 | 1487 | rBV | 7617 | 14052 | 23.77% | 3.248% |
| 39 | 11.164 | 1517 | 1519 | 1524 | rVB6 | 1116 | 1645 | 2.78% | 0.380% |
| 40 | 11.207 | 1524 | 1526 | 1528 | rBV3 | 633 | 519 | 0.88% | 0.120% |
| 41 | 11.286 | 1535 | 1539 | 1543 | rBV6 | 1313 | 2479 | 4.19% | 0.573% |
| 42 | 11.487 | 1570 | 1572 | 1574 | rBV3 | 1284 | 1017 | 1.72% | 0.235% |
| 43 | 11.628 | 1588 | 1595 | 1601 | rBV2 | 20520 | 38799 | 65.63% | 8.968% |
| 44 | 11.780 | 1617 | 1620 | 1621 | rBV3 | 1005 | 725 | 1.23% | 0.168% |
| 45 | 11.823 | 1625 | 1627 | 1629 | rBV3 | 1127 | 1350 | 2.28% | 0.312% |
| 46 | 11.890 | 1635 | 1638 | 1639 | rBV3 | 777 | 834 | 1.41% | 0.193% |
| 47 | 11.920 | 1642 | 1643 | 1644 | rBV | 1201 | 497 | 0.84% | 0.115% |
| 48 | 12.115 | 1674 | 1675 | 1677 | rBV | 975 | 935 | 1.58% | 0.216% |
| 49 | 12.134 | 1677 | 1678 | 1681 | rVV3 | 1268 | 1008 | 1.71% | 0.233% |
| 50 | 12.189 | 1684 | 1687 | 1688 | rBV2 | 1823 | 1640 | 2.77% | 0.379% |
| 51 | 12.432 | 1724 | 1727 | 1728 | rBV3 | 1169 | 1276 | 2.16% | 0.295% |
| 52 | 12.518 | 1739 | 1741 | 1742 | rBV2 | 902 | 739 | 1.25% | 0.171% |
| 53 | 12.615 | 1751 | 1757 | 1760 | rVB7 | 1951 | 3720 | 6.29% | 0.860% |
| 54 | 12.640 | 1760 | 1761 | 1762 | rBV | 1302 | 793 | 1.34% | 0.183% |
| 55 | 12.688 | 1765 | 1769 | 1778 | rVB | 15787 | 27228 | 46.06% | 6.293% |
| 56 | 13.018 | 1822 | 1823 | 1825 | rBV2 | 1213 | 529 | 0.89% | 0.122% |
| 57 | 13.054 | 1825 | 1829 | 1831 | rBV5 | 1261 | 1695 | 2.87% | 0.392% |
| 58 | 13.079 | 1831 | 1833 | 1835 | rVB3 | 1129 | 722 | 1.22% | 0.167% |
| 59 | 13.109 | 1836 | 1838 | 1842 | rVB5 | 1320 | 1763 | 2.98% | 0.407% |
| 60 | 13.146 | 1842 | 1844 | 1845 | rBV2 | 1081 | 746 | 1.26% | 0.172% |
| 61 | 13.188 | 1848 | 1851 | 1852 | rBV2 | 1316 | 1224 | 2.07% | 0.283% |
| 62 | 13.231 | 1856 | 1858 | 1861 | rBV4 | 1165 | 1245 | 2.11% | 0.288% |
| 63 | 13.444 | 1891 | 1893 | 1894 | rBV2 | 1354 | 908 | 1.54% | 0.210% |
| 64 | 13.554 | 1906 | 1911 | 1917 | rBV2 | 14510 | 25377 | 42.92% | 5.865% |
| 65 | 13.719 | 1935 | 1938 | 1941 | rBV4 | 1736 | 2322 | 3.93% | 0.537% |
| 66 | 13.749 | 1941 | 1943 | 1944 | rBV2 | 1625 | 1447 | 2.45% | 0.334% |
| 67 | 13.853 | 1953 | 1960 | 1965 | rBV3 | 14950 | 27085 | 45.81% | 6.260% |
| 68 | 14.274 | 2027 | 2029 | 2032 | rBV4 | 1229 | 1511 | 2.56% | 0.349% |
| 69 | 14.511 | 2064 | 2068 | 2070 | rBV4 | 1052 | 1554 | 2.63% | 0.359% |
| 70 | 14.572 | 2076 | 2078 | 2081 | rVB4 | 1393 | 1447 | 2.45% | 0.334% |
| 71 | 14.834 | 2119 | 2121 | 2124 | rVB4 | 1482 | 1306 | 2.21% | 0.302% |
| 72 | 14.859 | 2124 | 2125 | 2126 | rBV | 1289 | 810 | 1.37% | 0.187% |
| 73 | 15.011 | 2146 | 2150 | 2151 | rBV3 | 904 | 997 | 1.69% | 0.230% |
| 74 | 15.133 | 2168 | 2170 | 2173 | rVB3 | 991 | 819 | 1.39% | 0.189% |
| 75 | 15.158 | 2173 | 2174 | 2176 | rVB2 | 1076 | 467 | 0.79% | 0.108% |
| 76 | 15.188 | 2176 | 2179 | 2182 | rVB5 | 1627 | 1498 | 2.53% | 0.346% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** F5C18RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.225 | 2184 | 2185 | 2187 | rVB2 | 1218 | 687 | 1.16% | 0.159% |
| 78 | 15.279 | 2191 | 2194 | 2195 | rBV3 | 1159 | 829 | 1.40% | 0.192% |
| 79 | 15.298 | 2195 | 2197 | 2198 | rBV2 | 1066 | 774 | 1.31% | 0.179% |
| 80 | 15.316 | 2198 | 2200 | 2202 | rVB3 | 1372 | 992 | 1.68% | 0.229% |
| 81 | 15.347 | 2202 | 2205 | 2206 | rBV3 | 909 | 776 | 1.31% | 0.179% |
| 82 | 15.432 | 2217 | 2219 | 2223 | rVB5 | 1457 | 1161 | 1.96% | 0.268% |
| 83 | 15.493 | 2227 | 2229 | 2230 | rBV2 | 1221 | 923 | 1.56% | 0.213% |
| 84 | 15.816 | 2281 | 2282 | 2284 | rBV2 | 1645 | 1084 | 1.83% | 0.251% |
| 85 | 15.859 | 2287 | 2289 | 2292 | rBV3 | 873 | 906 | 1.53% | 0.209% |
| 86 | 15.913 | 2297 | 2298 | 2300 | rVB2 | 1196 | 607 | 1.03% | 0.140% |
| 87 | 15.932 | 2300 | 2301 | 2303 | rBV2 | 1076 | 769 | 1.30% | 0.178% |
| 88 | 15.974 | 2306 | 2308 | 2309 | rVB2 | 1152 | 553 | 0.94% | 0.128% |
| 89 | 16.017 | 2312 | 2315 | 2316 | rBV3 | 783 | 926 | 1.57% | 0.214% |
| 90 | 16.145 | 2334 | 2336 | 2339 | rBV4 | 830 | 1015 | 1.72% | 0.235% |
| 91 | 16.176 | 2339 | 2341 | 2342 | rVB2 | 1362 | 802 | 1.36% | 0.185% |
| 92 | 16.200 | 2342 | 2345 | 2346 | rBV3 | 750 | 708 | 1.20% | 0.164% |
| 93 | 16.407 | 2377 | 2379 | 2380 | rBV2 | 663 | 681 | 1.15% | 0.157% |
| 94 | 16.419 | 2380 | 2381 | 2383 | rVB2 | 957 | 493 | 0.83% | 0.114% |
| 95 | 16.468 | 2388 | 2389 | 2391 | rBV2 | 612 | 542 | 0.92% | 0.125% |
| 96 | 16.523 | 2391 | 2398 | 2400 | rBV6 | 1387 | 3479 | 5.88% | 0.804% |
| 97 | 16.578 | 2404 | 2407 | 2409 | rBV4 | 1069 | 1235 | 2.09% | 0.285% |
| 98 | 16.669 | 2420 | 2422 | 2423 | rVB2 | 1188 | 606 | 1.03% | 0.140% |
| 99 | 16.718 | 2428 | 2430 | 2431 | rBV2 | 1196 | 781 | 1.32% | 0.181% |
| 100 | 16.761 | 2434 | 2437 | 2439 | rBV4 | 954 | 968 | 1.64% | 0.224% |

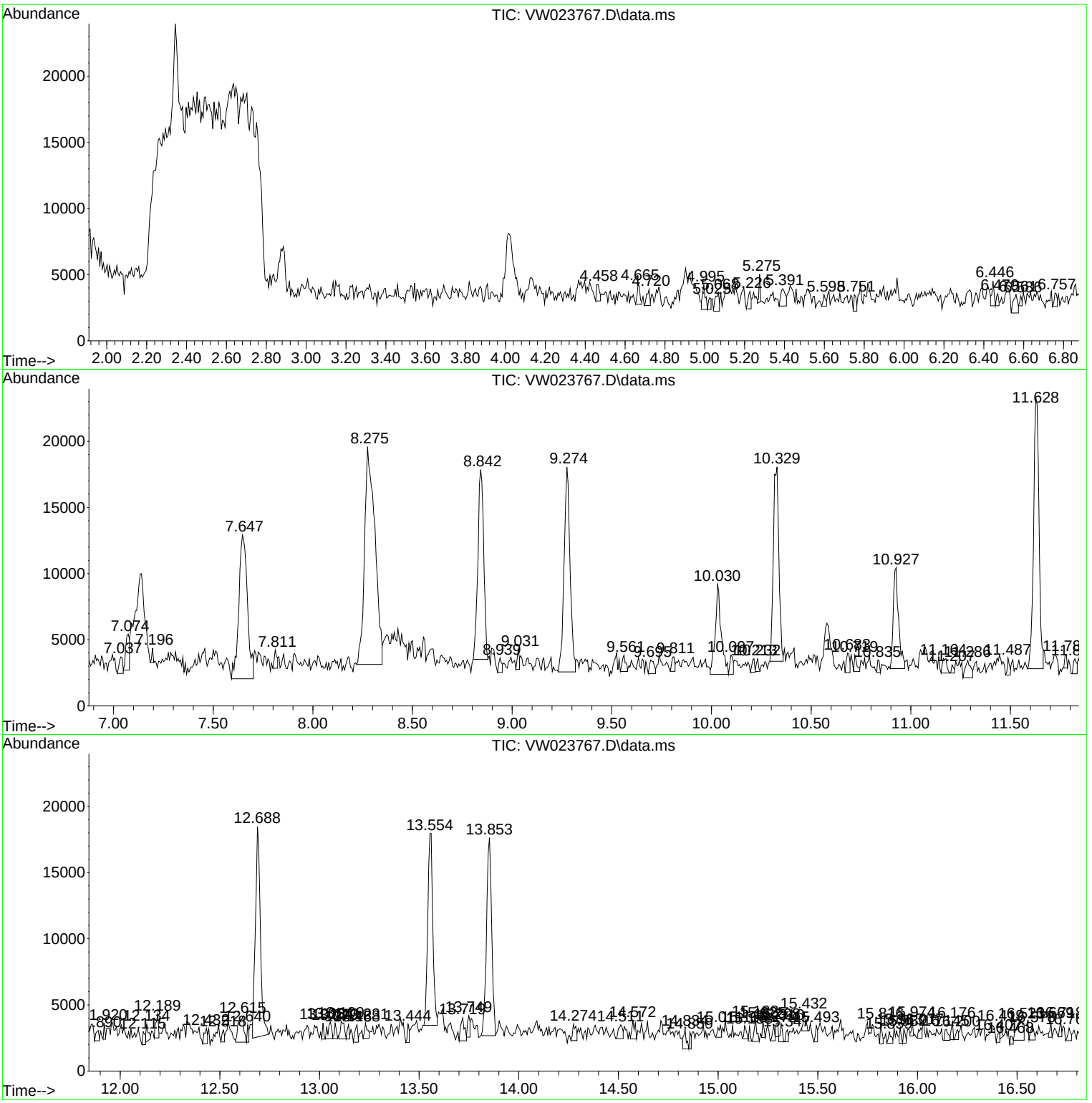
Sum of corrected areas: 432661

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

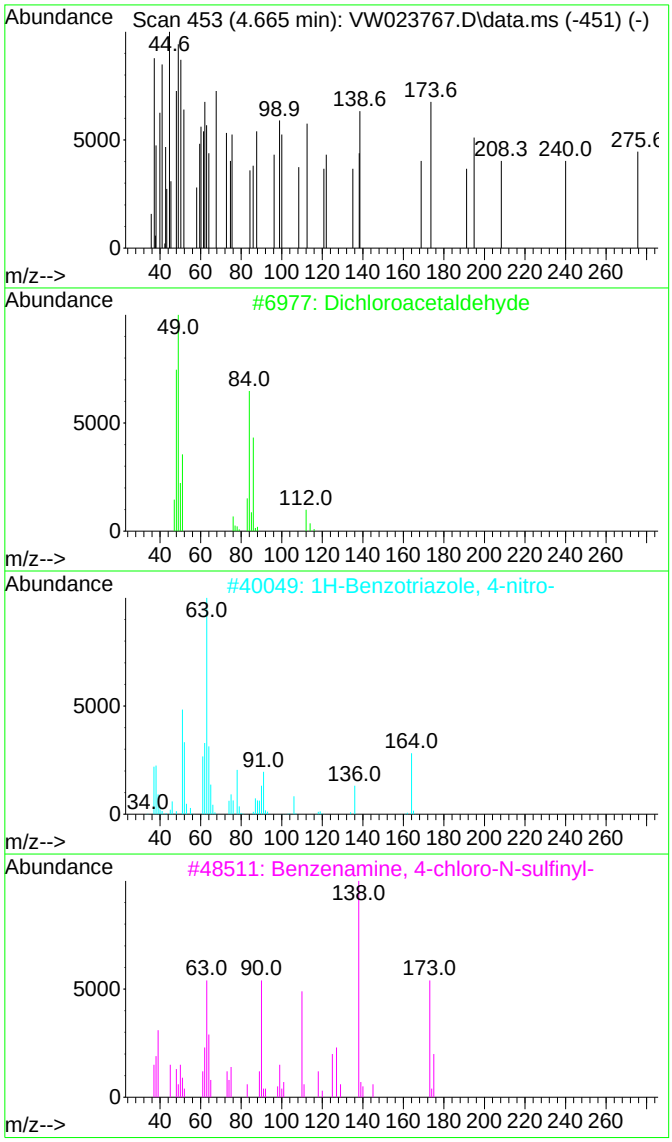
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

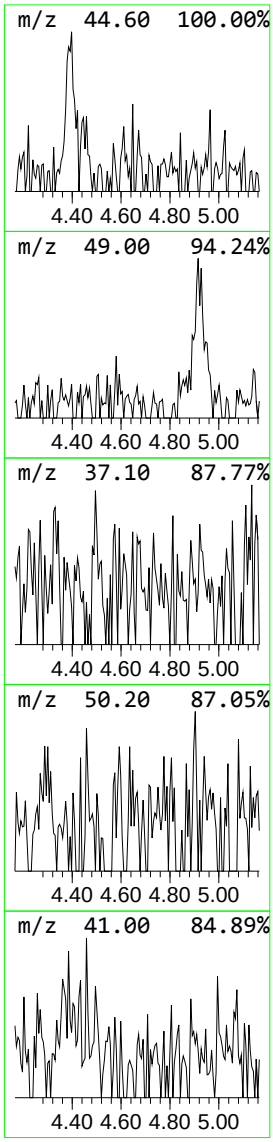
**********

Peak Number 1 unknown-01 Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.665 | 1.27 ug/L | 1469 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dichloroacetaldehyde | 112 | C2H2Cl2O | 000079-02-7 | 14 |
| 2 | 1H-Benzotriazole, 4-nitro- | 164 | C6H4N4O2 | 006299-39-4 | 12 |
| 3 | Benzenamine, 4-chloro-N-sulfinyl- | 173 | C6H4ClNOS | 013165-68-9 | 10 |
| 4 | Benzaldehyde, 2,6-dinitro- | 196 | C7H4N2O5 | 000606-31-5 | 10 |
| 5 | Benzenesulfonamide, 4-nitro- | 202 | C6H6N2O4S | 006325-93-5 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

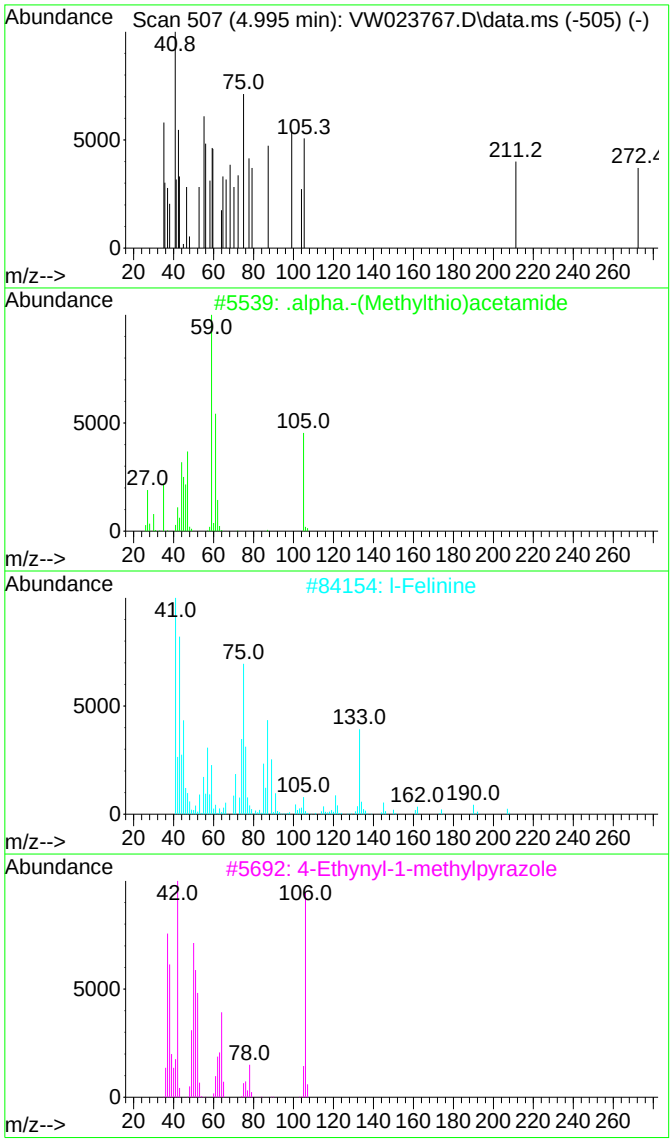
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

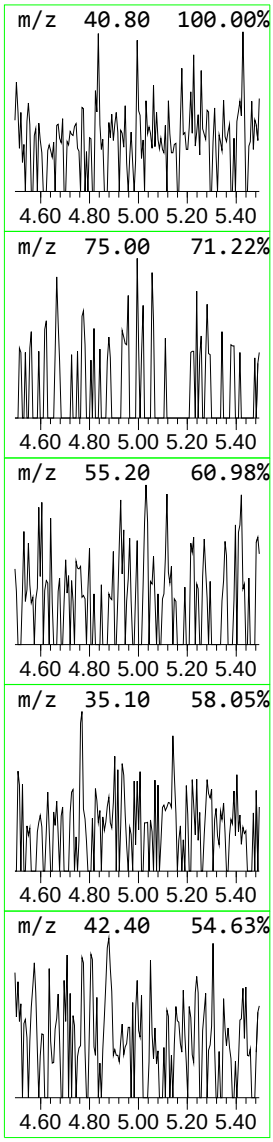
**********

Peak Number 2 unknown-02 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.995 | 1.50 ug/L | 1734 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.-(Methylthio)acetamide | 105 | C3H7NOS | 022551-24-2 | 9 |
| 2 | l-Felinine | 207 | C8H17NO3S | 1000129-68-0 | 9 |
| 3 | 4-Ethynyl-1-methylpyrazole | 106 | C6H6N2 | 039806-89-8 | 9 |
| 4 | Glycine, ethyl ester | 103 | C4H9NO2 | 000459-73-4 | 9 |
| 5 | 2,3-Diazabicyclo[2.2.1]hept-5-en... | 212 | C9H12N2O4 | 005510-69-0 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

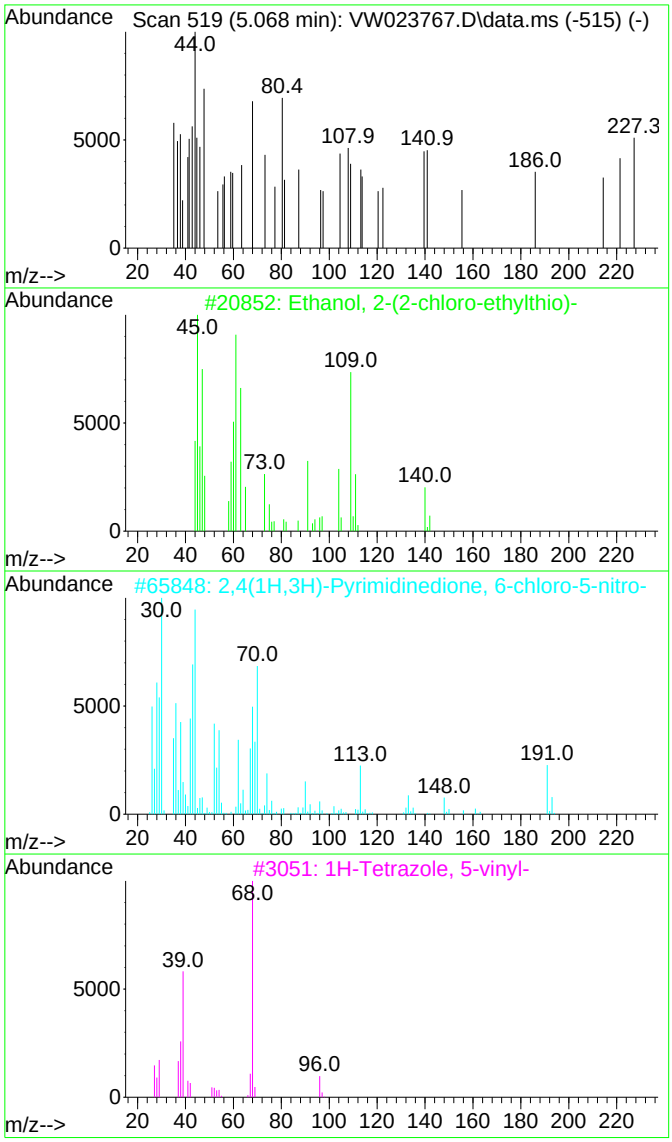
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

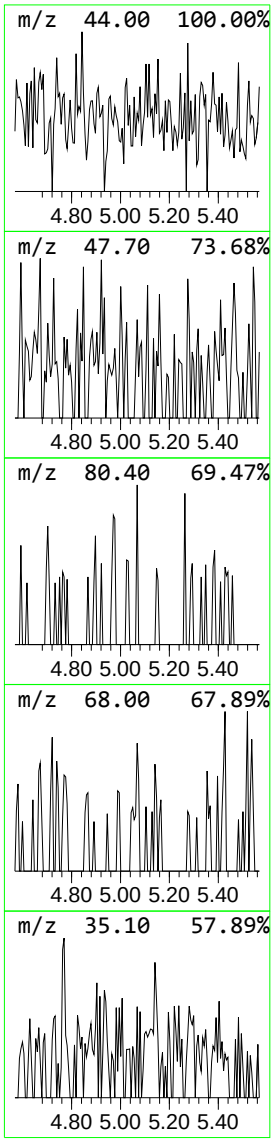
**********

Peak Number 3 unknown-03 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.068 | 1.64 ug/L | 1900 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-chloro-ethylthio)- | 140 | C4H9ClOS | 000693-30-1 | 25 |
| 2 | 2,4(1H,3H)-Pyrimidinedione, 6-ch... | 191 | C4H2ClN3O4 | 006630-30-4 | 12 |
| 3 | 1H-Tetrazole, 5-vinyl- | 96 | C3H4N4 | 018755-47-0 | 9 |
| 4 | Methylthio-2-propanone | 104 | C4H8OS | 014109-72-9 | 9 |
| 5 | 2-Chloro-7-oxabicyclo[2.2.1]hept... | 155 | C7H6ClNO | 079901-91-0 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

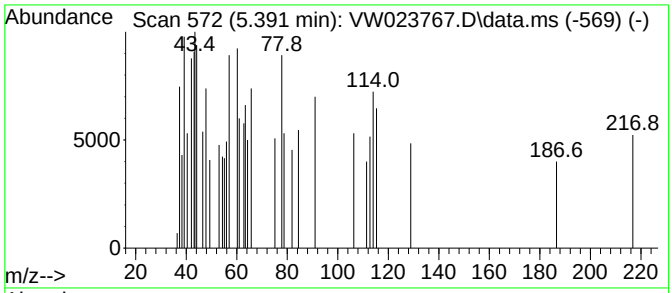
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

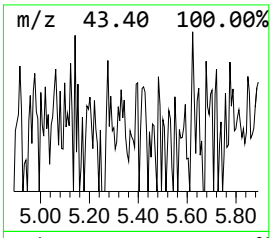
**********

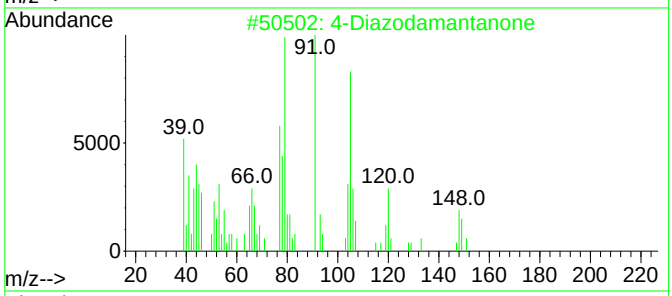
Peak Number 4 unknown-04 Concentration Rank 5

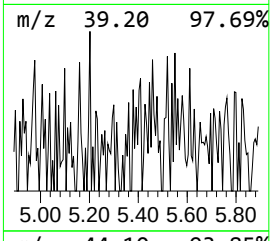
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.391 | 1.86 ug/L | 2157 | 1,4-Difluorobenzene | 8.848 |

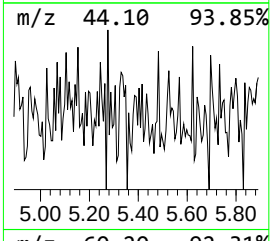
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Diazodamantanone | 176 | C10H12N2O | 1000138-39-9 | 16 |
| 2 | Formaldehyde, (2,4-dinitrophenyl... | 210 | C7H6N4O4 | 001081-15-8 | 12 |
| 3 | 1,1-Cyclopropanedicarbonitrile, ... | 120 | C7H8N2 | 006904-10-5 | 10 |
| 4 | 1,1-Cyclopropanedicarbonitrile, ... | 120 | C7H8N2 | 006904-11-6 | 10 |
| 5 | 3-Methyl-4-nitro-5-(1-pyrazolyl)... | 193 | C7H7N5O2 | 292855-42-6 | 10 |

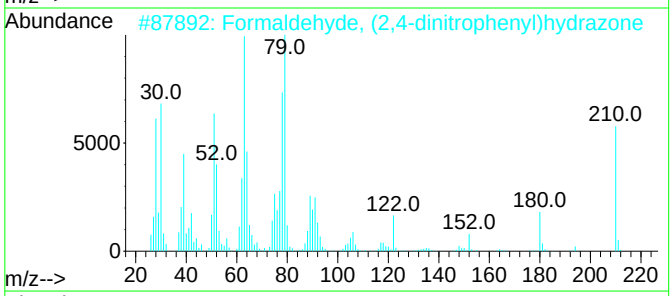


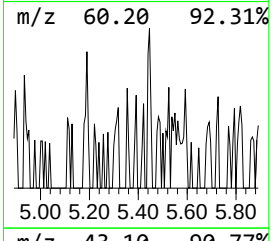



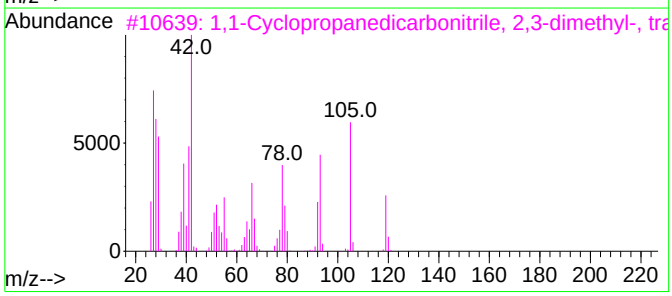



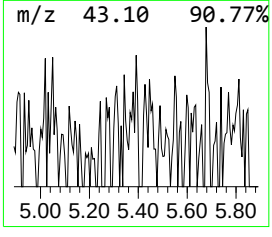



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

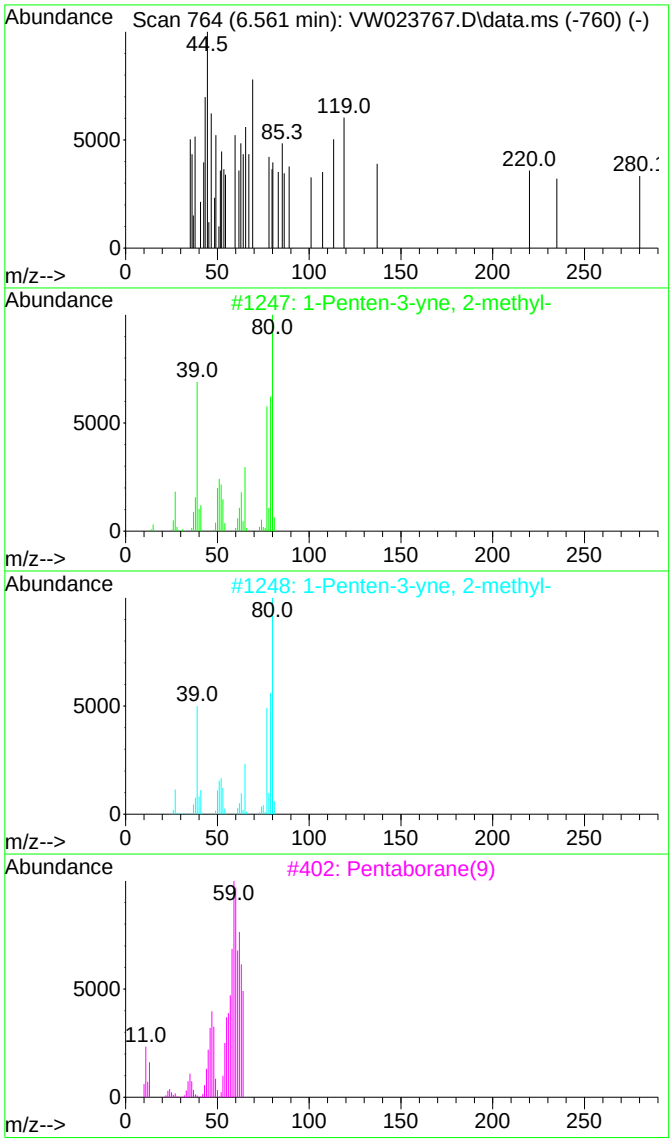
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

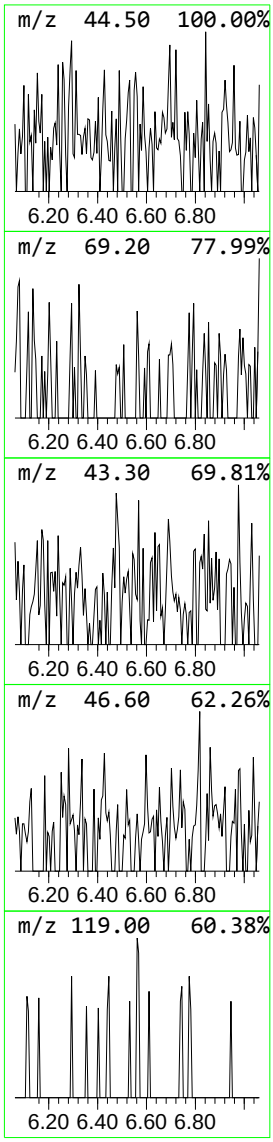
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 1-Penten-3-yne, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.561 | 1.77 ug/L | 2054 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Penten-3-yne, 2-methyl- | 80 | C6H8 | 000926-55-6 | 55 |
| 2 | 1-Penten-3-yne, 2-methyl- | 80 | C6H8 | 000926-55-6 | 38 |
| 3 | Pentaborane(9) | 64 | B5H9 | 019624-22-7 | 27 |
| 4 | 1H-1,3-Benzimidazole-1-carboxyli... | 224 | C10H9ClN2O2 | 1000362-72-3 | 16 |
| 5 | Ethane-1,2-diol, 1,2-bis(1-benzo... | 296 | C14H12N6O2 | 111507-88-1 | 14 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

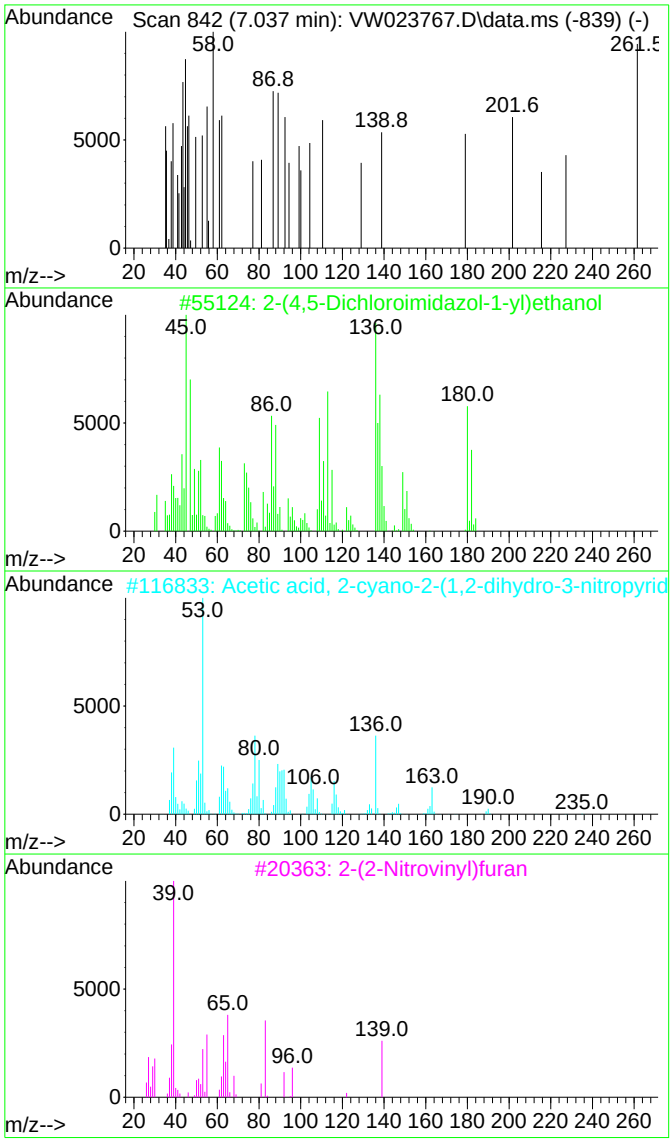
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

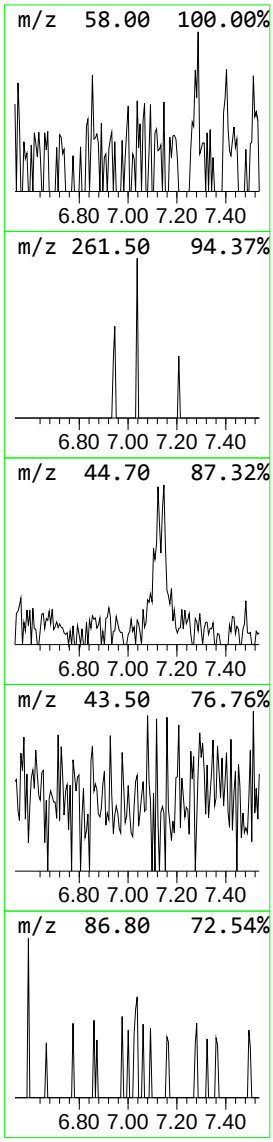
**********

Peak Number 6 unknown-05 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.037 | 1.31 ug/L | 1518 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-(4,5-Dichloroimidazol-1-yl)eth... | 180 | C5H6Cl2N2O | 075242-71-6 | 25 |
| 2 | Acetic acid, 2-cyano-2-(1,2-dihy... | 235 | C10H9N3O4 | 313366-96-0 | 10 |
| 3 | 2-(2-Nitrovinyl)furan | 139 | C6H5NO3 | 000699-18-3 | 9 |
| 4 | Pyrrolidin-5-one, 2,3-dedihydro-... | 129 | C4H3NO4 | 1000124-44-1 | 9 |
| 5 | 2-Chloroethyl methyl sulfide | 110 | C3H7ClS | 000542-81-4 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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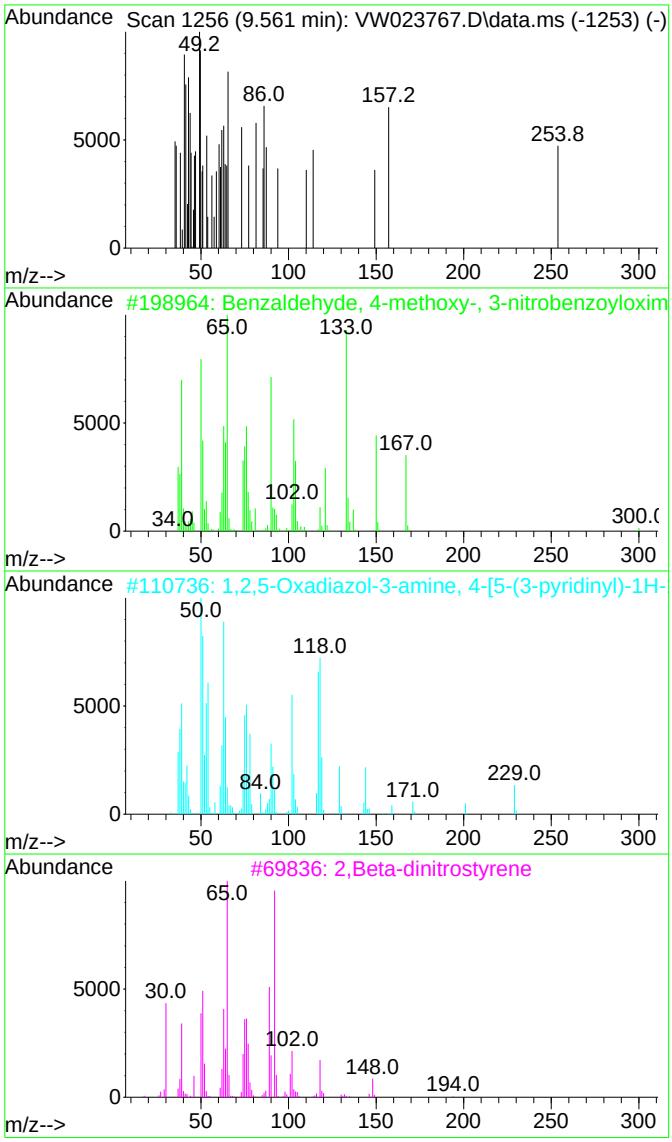
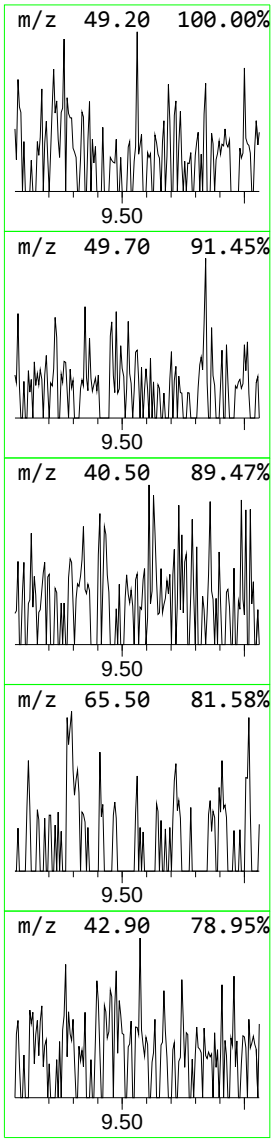
Peak Number 7 unknown-06 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.561 | 1.29 ug/L | 1494 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 4-methoxy-, 3-nitr... | 300 | C15H12N2O5 | 1000259-87-8 | 43 |
| 2 | 1,2,5-Oxadiazol-3-amine, 4-[5-(3... | 229 | C9H7N7O | 1000350-54-2 | 38 |
| 3 | 2,Beta-dinitrostyrene | 194 | C8H6N2O4 | 003156-39-6 | 37 |
| 4 | 2,4-Hexadiyne-1,6-diol | 110 | C6H6O2 | 003031-68-3 | 28 |
| 5 | (2-Amino-5-chlorophenyl)phosphon... | 207 | C6H7ClNO3P | 018275-77-9 | 27 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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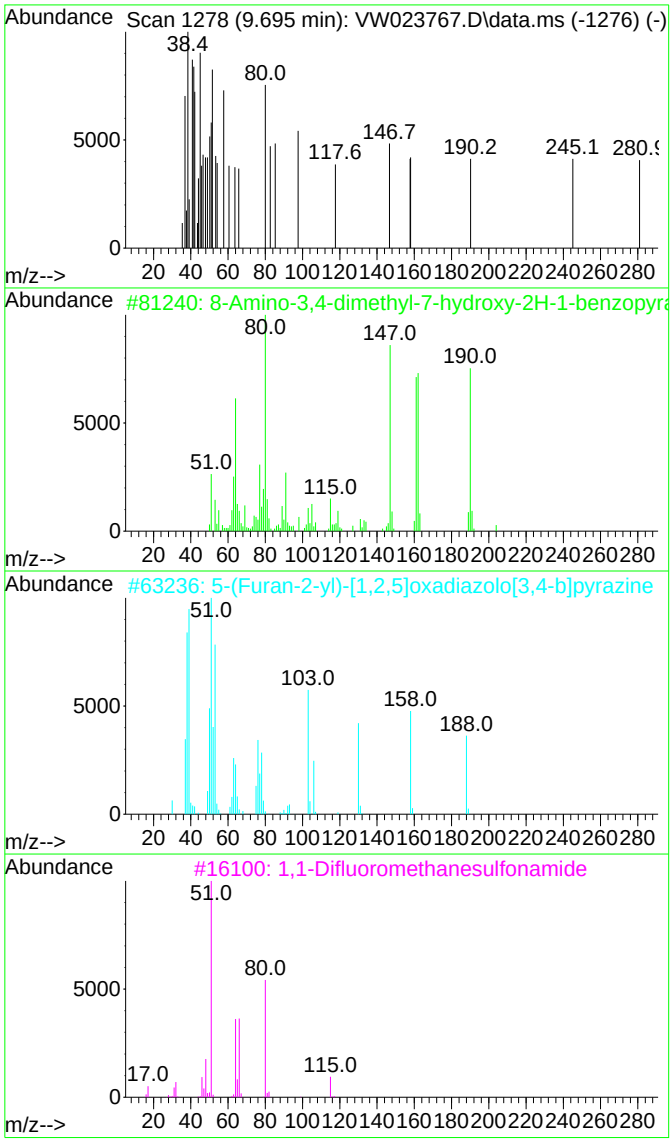
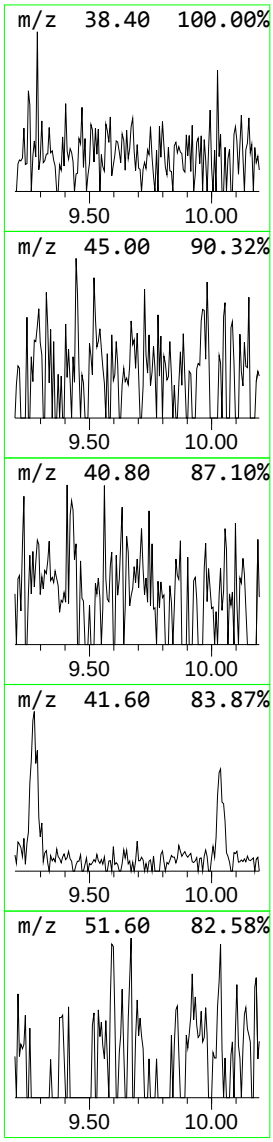
Peak Number 8 unknown-07 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.695 | 1.38 ug/L | 1603 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8-Amino-3,4-dimethyl-7-hydroxy-2... | 205 | C11H11NO3 | 1000442-12-7 | 27 |
| 2 | 5-(Furan-2-yl)-[1,2,5]oxadiazolo... | 188 | C8H4N4O2 | 1000388-08-0 | 25 |
| 3 | 1,1-Difluoromethanesulfonamide | 131 | CH3F2NO2S | 050585-74-5 | 16 |
| 4 | 4-Ethynyl-1-methylpyrazole | 106 | C6H6N2 | 039806-89-8 | 10 |
| 5 | Ethene, 1-chloro-1-fluoro- | 80 | C2H2ClF | 002317-91-1 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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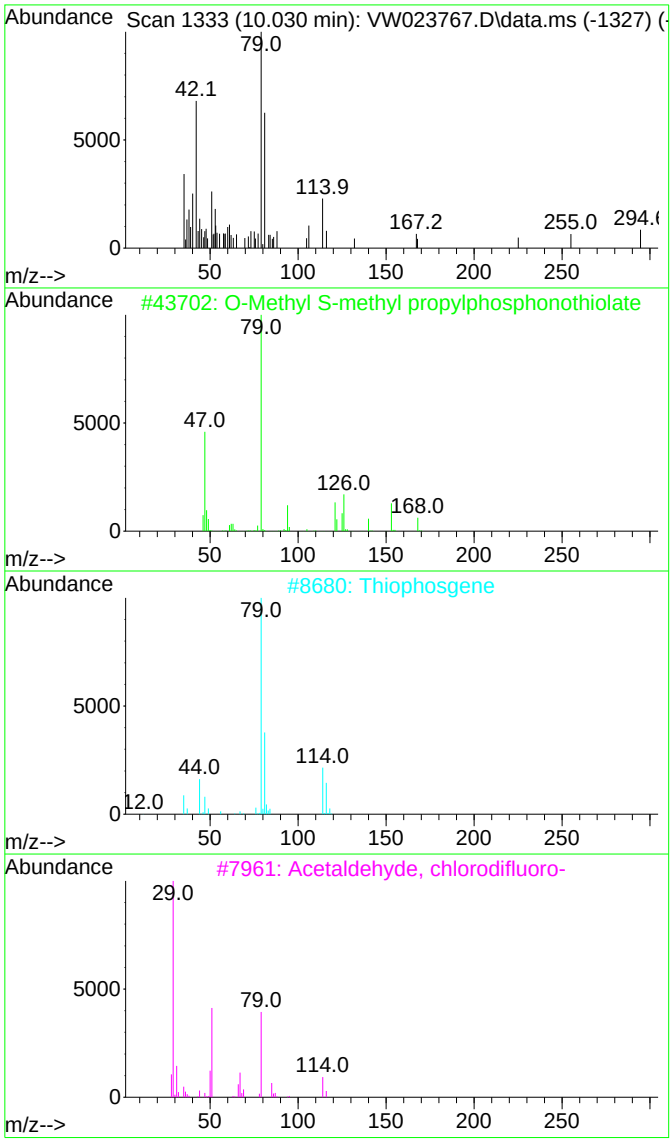
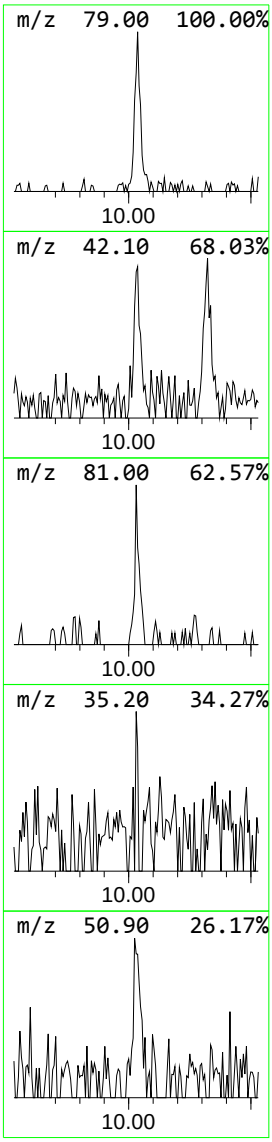
Peak Number 9 unknown-08 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.030 | 12.04 ug/L | 13955 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | O-Methyl S-methyl propylphosphon... | 168 | C5H13O2PS | 090220-19-2 | 28 |
| 2 | Thiophosgene | 114 | CCl2S | 000463-71-8 | 12 |
| 3 | Acetaldehyde, chlorodifluoro- | 114 | C2HClF2O | 000811-96-1 | 10 |
| 4 | 1-Methyl-4-nitro-5-pyrazolecarbo... | 171 | C5H5N3O4 | 092534-69-5 | 10 |
| 5 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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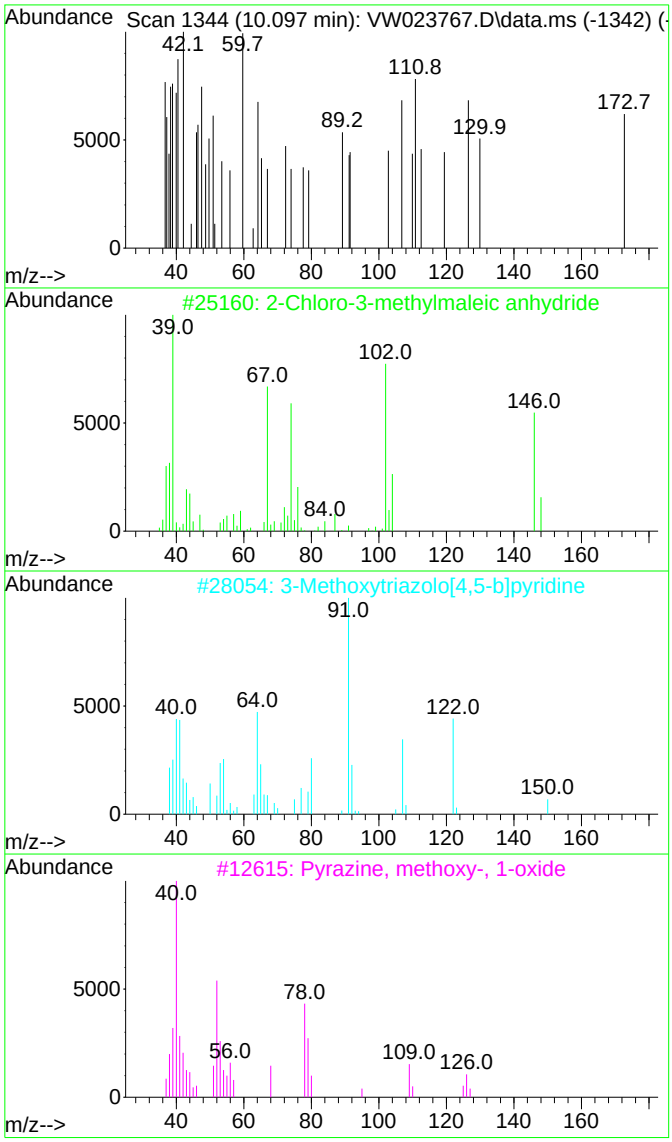
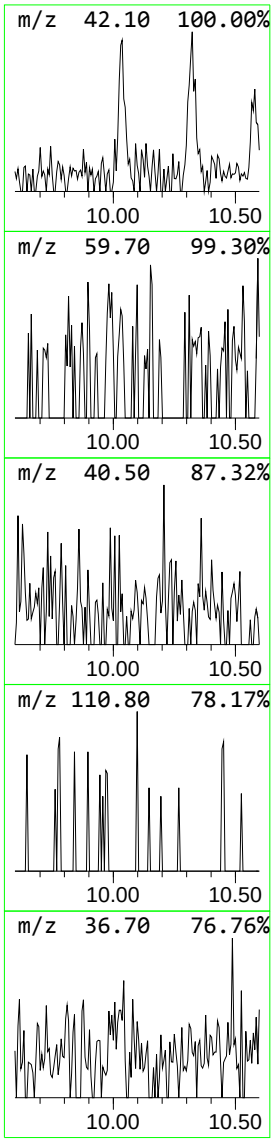
Peak Number 10 unknown-09 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.097 | 1.39 ug/L | 1616 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Chloro-3-methylmaleic anhydride | 146 | C5H3ClO3 | 057547-55-4 | 10 |
| 2 | 3-Methoxytriazolo[4,5-b]pyridine | 150 | C6H6N4O | 1000298-85-5 | 10 |
| 3 | Pyrazine, methoxy-, 1-oxide | 126 | C5H6N2O2 | 032046-05-2 | 9 |
| 4 | 4-Ethynyl-1-methylpyrazole | 106 | C6H6N2 | 039806-89-8 | 9 |
| 5 | Benzenamine, 2-fluoro- | 111 | C6H6FN | 000348-54-9 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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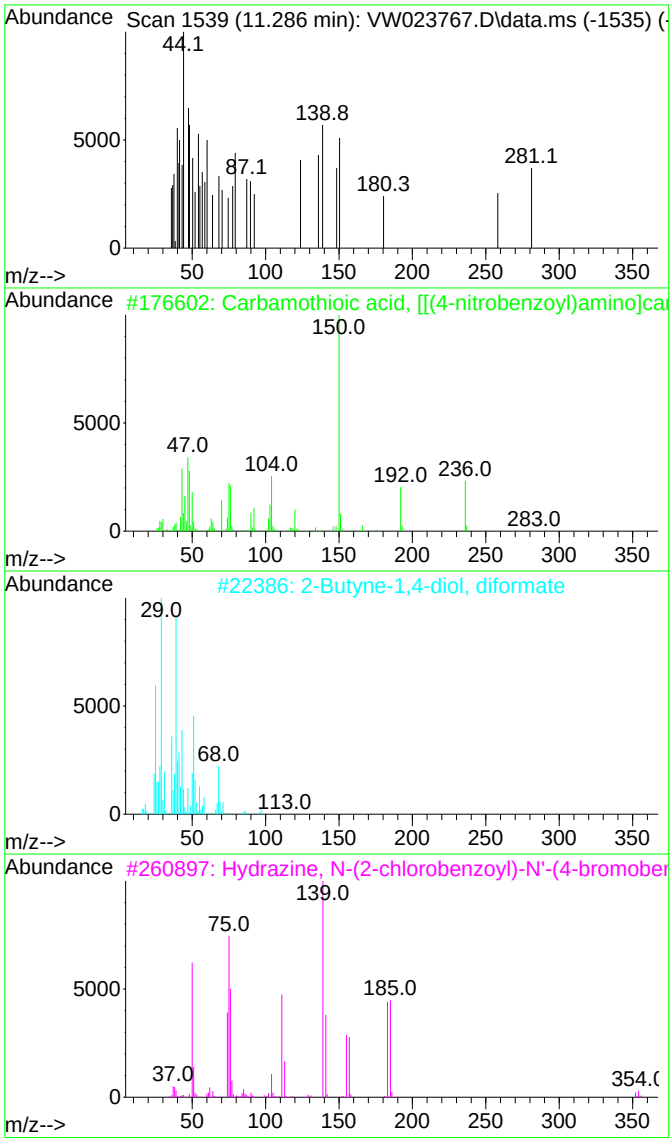
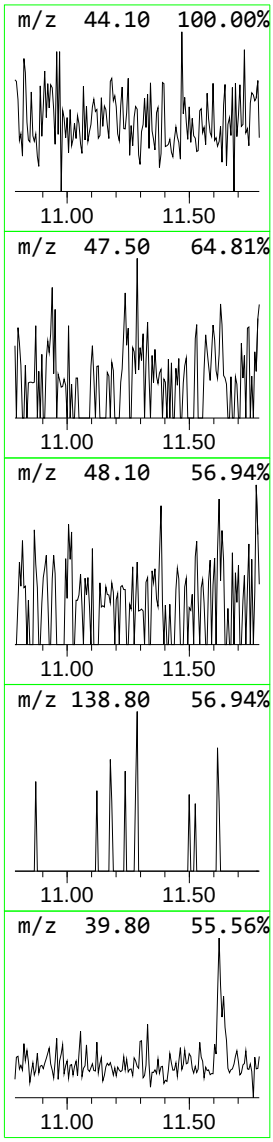
Peak Number 11 unknown-10 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.286 | 1.60 ug/L | 2479 | Chlorobenzene-d5 | 11.634 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbamothioic acid, [[(4-nitrobe... | 283 | C10H9N3O5S | 079340-22-0 | 25 |
| 2 | 2-Butyne-1,4-diol, diformate | 142 | C6H6O4 | 036677-73-3 | 9 |
| 3 | Hydrazine, N-(2-chlorobenzoyl)-N... | 352 | C14H10BrClN2O2 | 316145-78-5 | 9 |
| 4 | 1,3-Benzenediamine, N,N'-bis(sul... | 200 | C6H4N2O2S2 | 017420-01-8 | 9 |
| 5 | Dichloroacetic acid, allyl ester | 168 | C5H6Cl2O2 | 030895-77-3 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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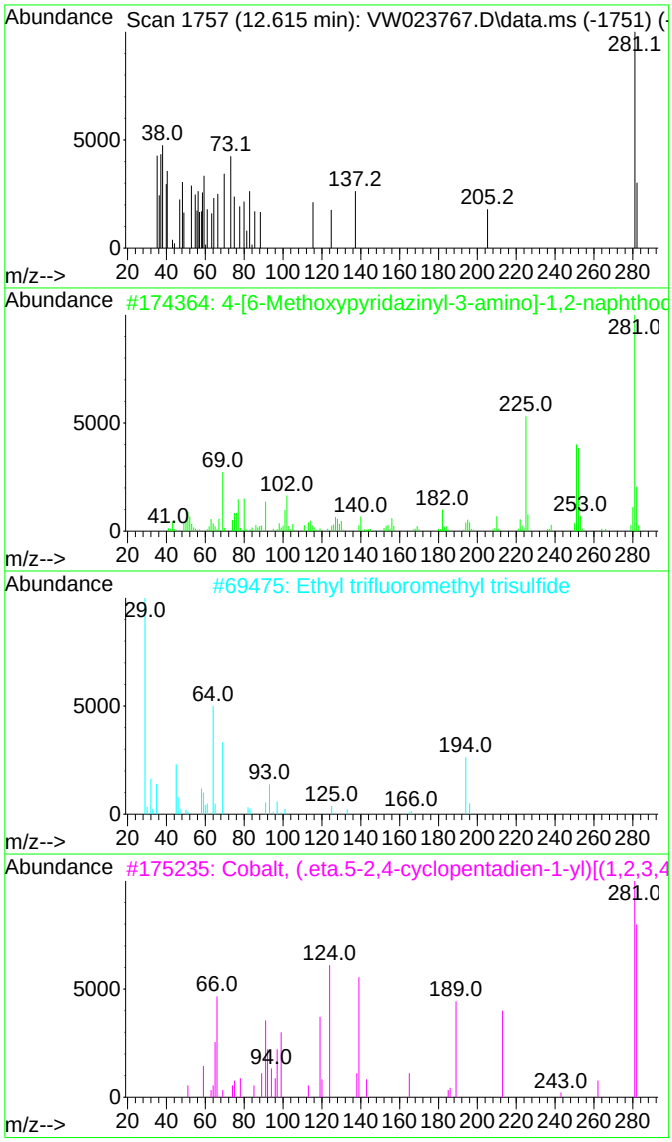
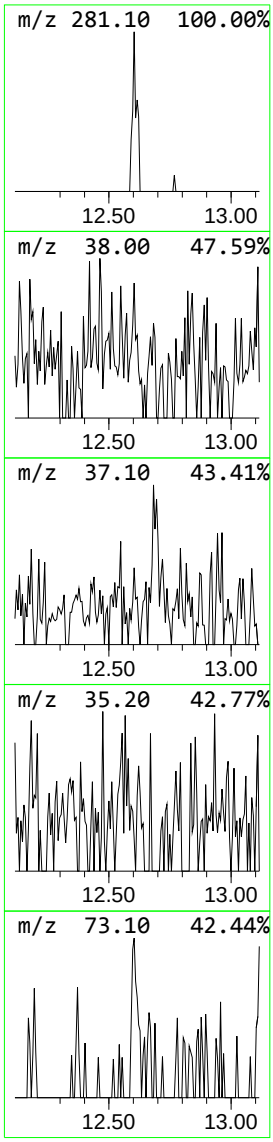
Peak Number 12 unknown-11 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.615 | 3.66 ug/L | 3720 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-[6-Methoxypyridazinyl-3-amino]... | 281 | C15H11N3O3 | 025107-70-4 | 9 |
| 2 | Ethyl trifluoromethyl trisulfide | 194 | C3H5F3S3 | 055882-01-4 | 9 |
| 3 | Cobalt, (.eta.5-2,4-cyclopentadi... | 282 | C13H10CoF3 | 055991-82-7 | 7 |
| 4 | dibenz[b,f]azocine, 6-phenyl- | 281 | C21H15N | 1000397-18-9 | 5 |
| 5 | Morphinan, 7,8-didehydro-3-metho... | 281 | C19H23NO | 001816-06-4 | 5 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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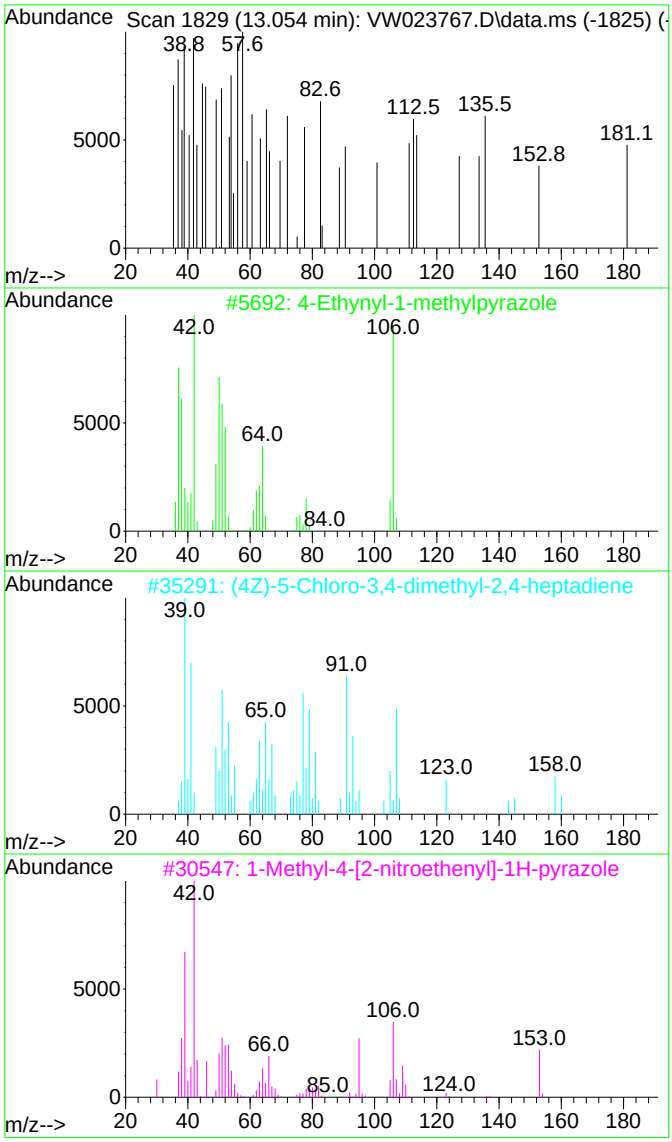
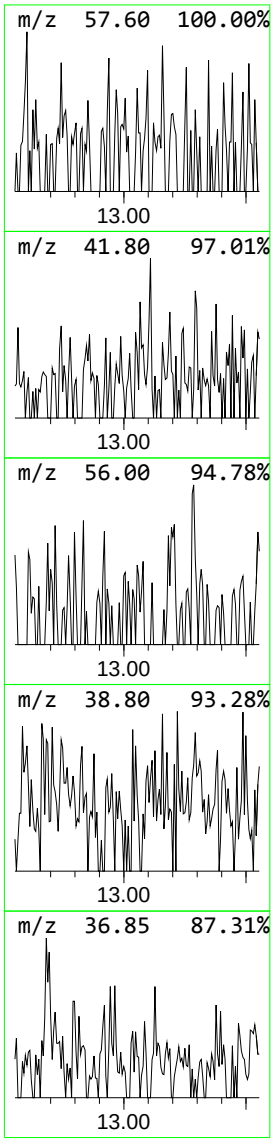
Peak Number 13 unknown-12 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.054 | 1.67 ug/L | 1695 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Ethynyl-1-methylpyrazole | 106 | C6H6N2 | 039806-89-8 | 16 |
| 2 | (4Z)-5-Chloro-3,4-dimethyl-2,4-h... | 158 | C9H15Cl | 105949-75-5 | 12 |
| 3 | 1-Methyl-4-[2-nitroethenyl]-1H-p... | 153 | C6H7N3O2 | 003156-58-9 | 10 |
| 4 | 2H-Pyrano[3,2-b]pyridine | 133 | C8H7NO | 004767-91-3 | 9 |
| 5 | Propanenitrile, 3-chloro- | 89 | C3H4ClN | 000542-76-7 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

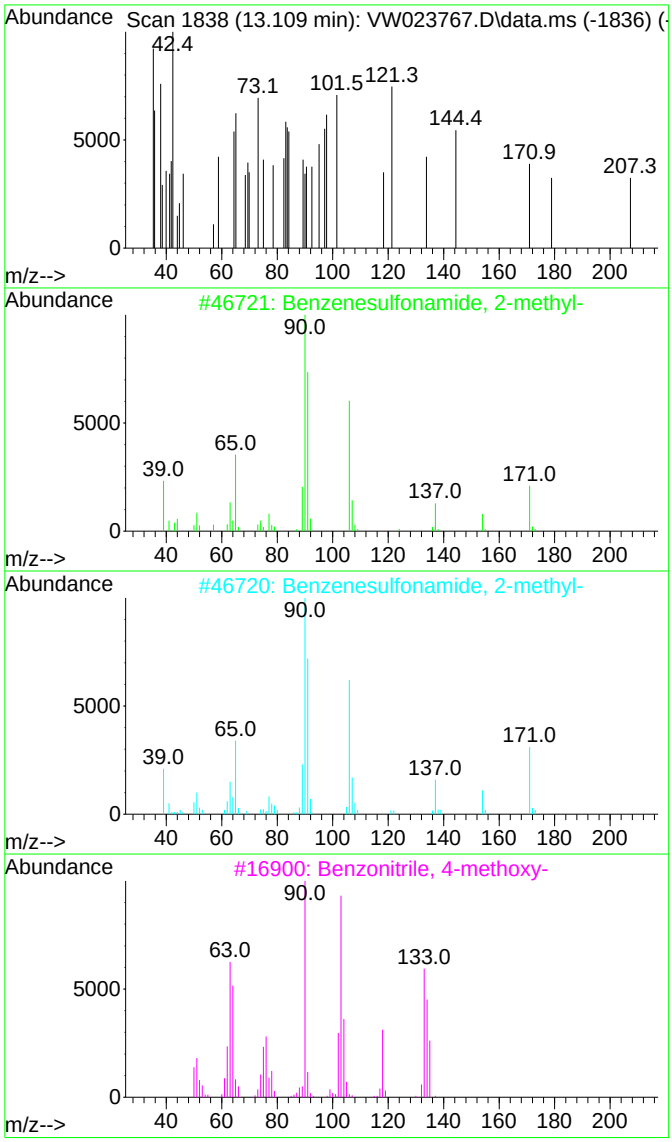
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

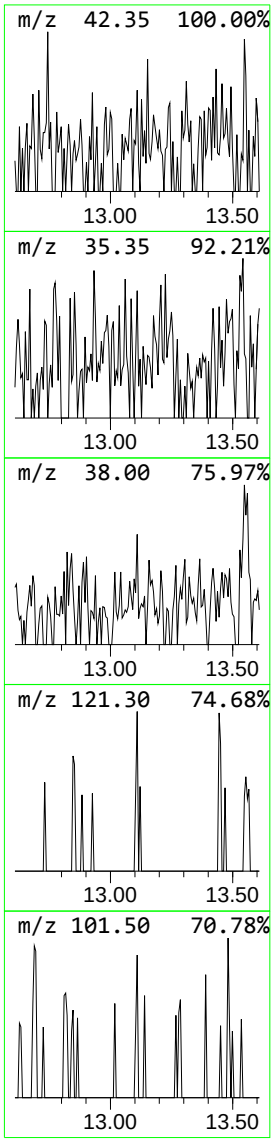
**********

Peak Number 14 unknown-13 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.109 | 1.74 ug/L | 1763 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenesulfonamide, 2-methyl- | 171 | C7H9NO2S | 000088-19-7 | 9 |
| 2 | Benzenesulfonamide, 2-methyl- | 171 | C7H9NO2S | 000088-19-7 | 9 |
| 3 | Benzonitrile, 4-methoxy- | 133 | C8H7NO | 000874-90-8 | 9 |
| 4 | Ethanethiol, 2-(4-(p-methoxyphen... | 333 | C14H23NO4S2 | 038914-75-9 | 9 |
| 5 | 2,4(1H,3H)-Pyrimidinedione, 6-ch... | 191 | C4H2ClN3O4 | 006630-30-4 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

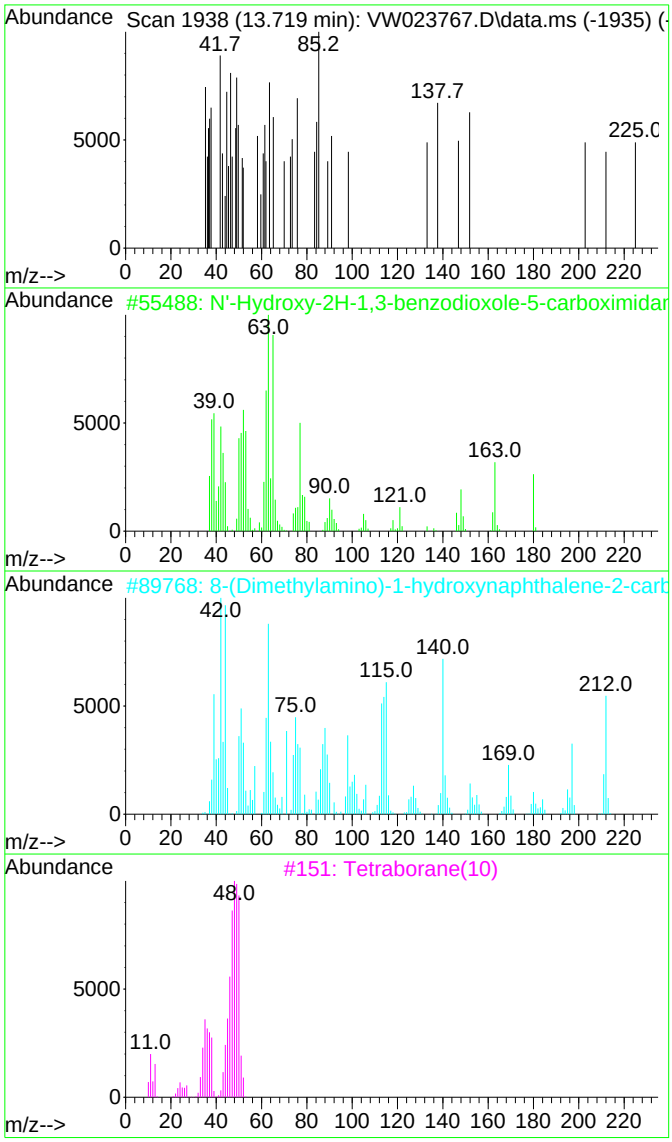
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

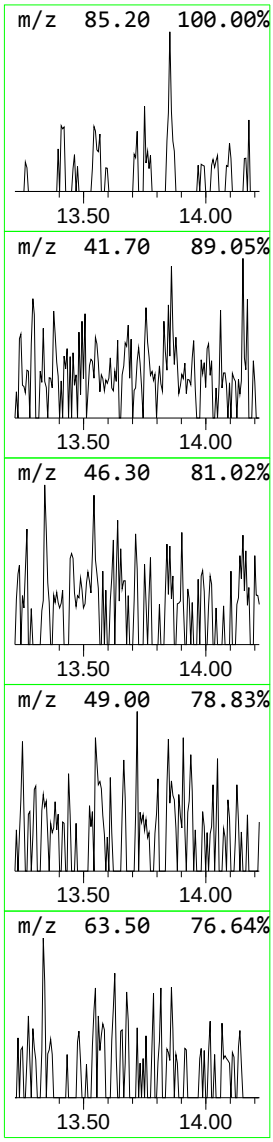
**********

Peak Number 15 unknown-14 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.719 | 2.29 ug/L | 2322 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N'-Hydroxy-2H-1,3-benzodioxole-5... | 180 | C8H8N2O3 | 004720-72-3 | 38 |
| 2 | 8-(Dimethylamino)-1-hydroxynapht... | 212 | C13H12N2O | 1000388-19-9 | 35 |
| 3 | Tetraborane(10) | 54 | B4H10 | 018283-93-7 | 32 |
| 4 | N-(3-Chlorophenyl)-2-hydroxyimin... | 198 | C8H7ClN2O2 | 1000143-61-6 | 32 |
| 5 | 2-[5-(Pyridin-3-yl)-1H-1,2,4-tri... | 203 | C9H9N5O | 1000410-33-9 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

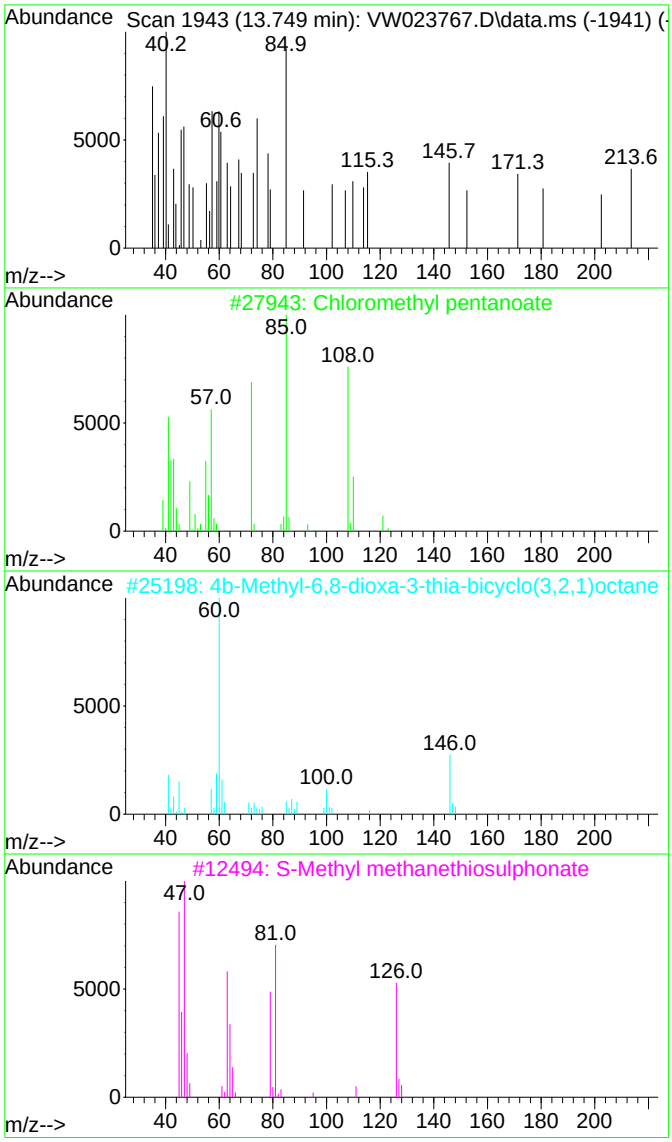
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

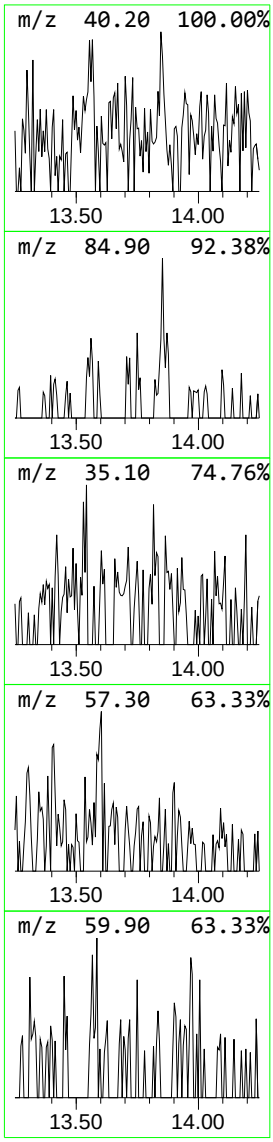
**********

Peak Number 16 unknown-15 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.749 | 1.43 ug/L | 1447 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chloromethyl pentanoate | 150 | C6H11ClO2 | 077877-94-2 | 14 |
| 2 | 4b-Methyl-6,8-dioxa-3-thia-bicyc... | 146 | C6H10O2S | 1000144-00-8 | 9 |
| 3 | S-Methyl methanethiosulphonate | 126 | C2H6O2S2 | 002949-92-0 | 9 |
| 4 | S-Methyl methanethiosulphonate | 126 | C2H6O2S2 | 002949-92-0 | 9 |
| 5 | Carbamic acid, N-(4-chlorophenyl... | 292 | C13H9ClN2O4 | 003848-41-7 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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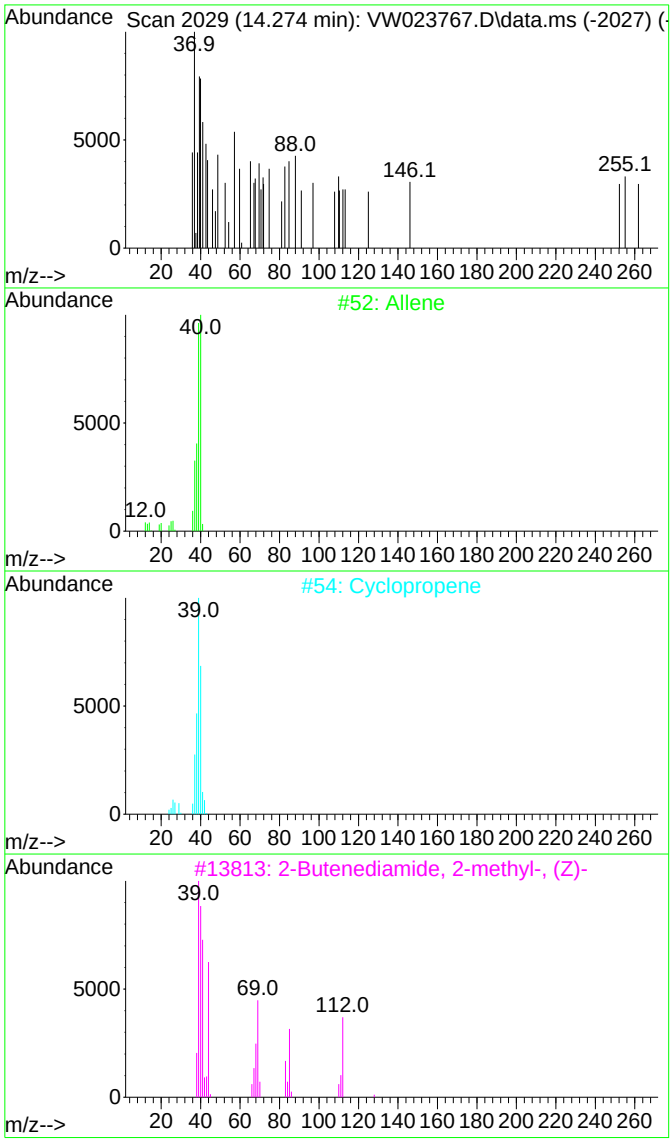
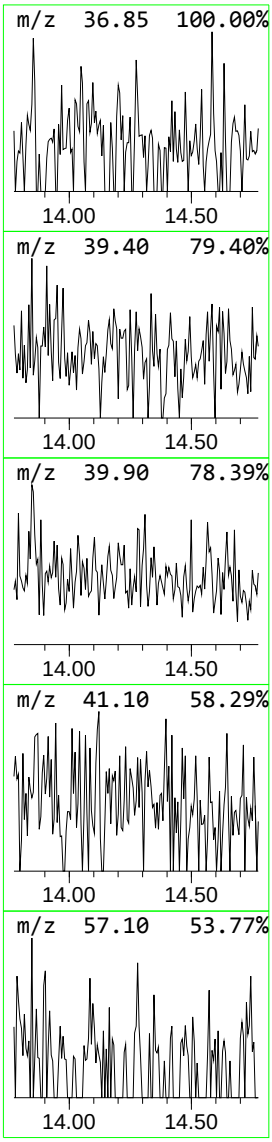
Peak Number 17 unknown-16 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.274 | 1.49 ug/L | 1511 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Allene | 40 | C3H4 | 000463-49-0 | 16 |
| 2 | Cyclopropene | 40 | C3H4 | 002781-85-3 | 16 |
| 3 | 2-Butenediamide, 2-methyl-, (Z)- | 128 | C5H8N2O2 | 041138-17-4 | 12 |
| 4 | 1,1'-(4-Methyl-1,3-phenylene)bis... | 460 | C19H24N8O2S2 | 1000224-58-4 | 10 |
| 5 | Cyclobutanone, 2-methyl-2-oxiranyl- | 126 | C7H10O2 | 075314-19-1 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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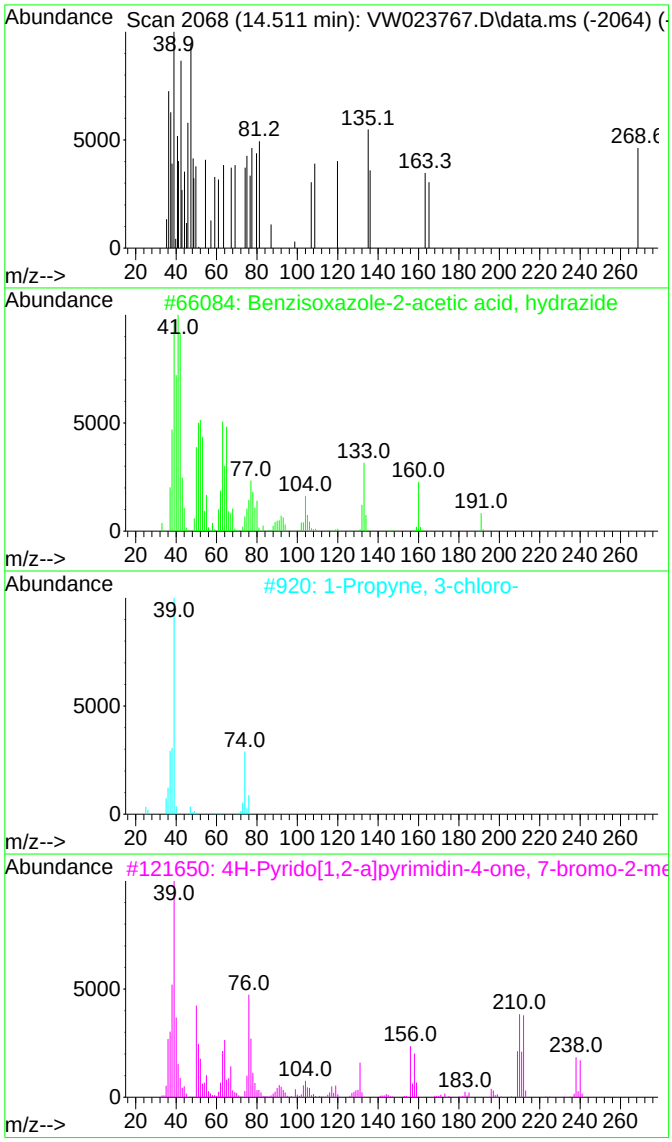
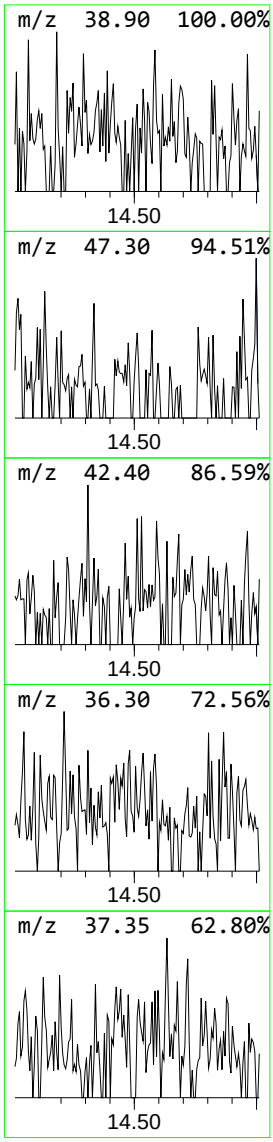
Peak Number 18 unknown-17 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.511 | 1.53 ug/L | 1554 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzisoxazole-2-acetic acid, hyd... | 191 | C9H9N3O2 | 055244-10-5 | 47 |
| 2 | 1-Propyne, 3-chloro- | 74 | C3H3Cl | 000624-65-7 | 38 |
| 3 | 4H-Pyrido[1,2-a]pyrimidin-4-one,... | 238 | C9H7BrN2O | 064500-11-4 | 32 |
| 4 | 4-Bromo-2-chlorobutanoyl chloride | 218 | C4H5BrCl2O | 1010487-15-9 | 25 |
| 5 | N-Methyl-7-azabicyclo(2,2,1)hept... | 109 | C7H11N | 055590-26-6 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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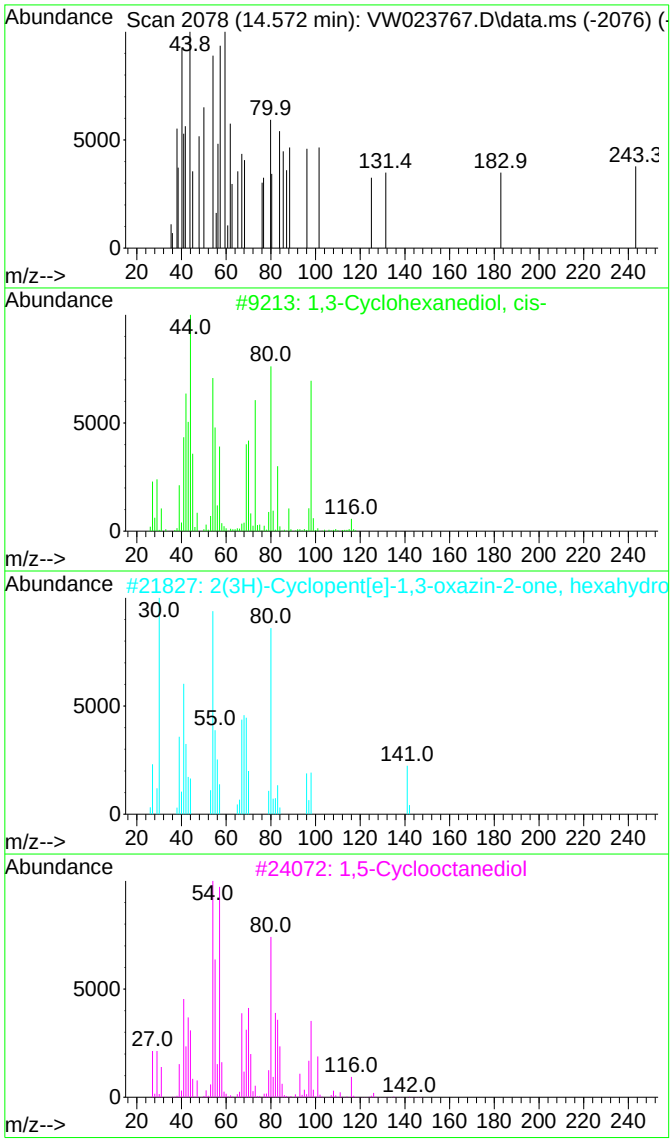
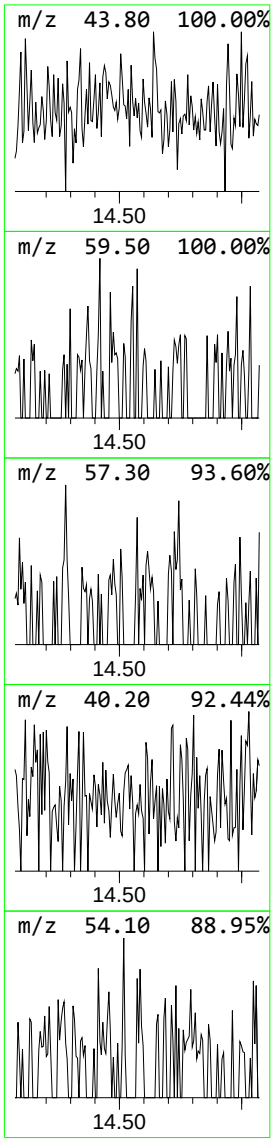
Peak Number 19 unknown-18 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.572 | 1.43 ug/L | 1447 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Cyclohexanediol, cis- | 116 | C6H12O2 | 000823-18-7 | 22 |
| 2 | 2(3H)-Cyclopent[e]-1,3-oxazin-2-... | 141 | C7H11NO2 | 1000139-25-6 | 12 |
| 3 | 1,5-Cyclooctanediol | 144 | C8H16O2 | 055343-44-7 | 12 |
| 4 | Benzenesulfonyl chloride, 2,4-di... | 266 | C6H3ClN2O6S | 001656-44-6 | 12 |
| 5 | Bicyclo[2.2.2]octanone, 3-chloro- | 158 | C8H11ClO | 023804-48-0 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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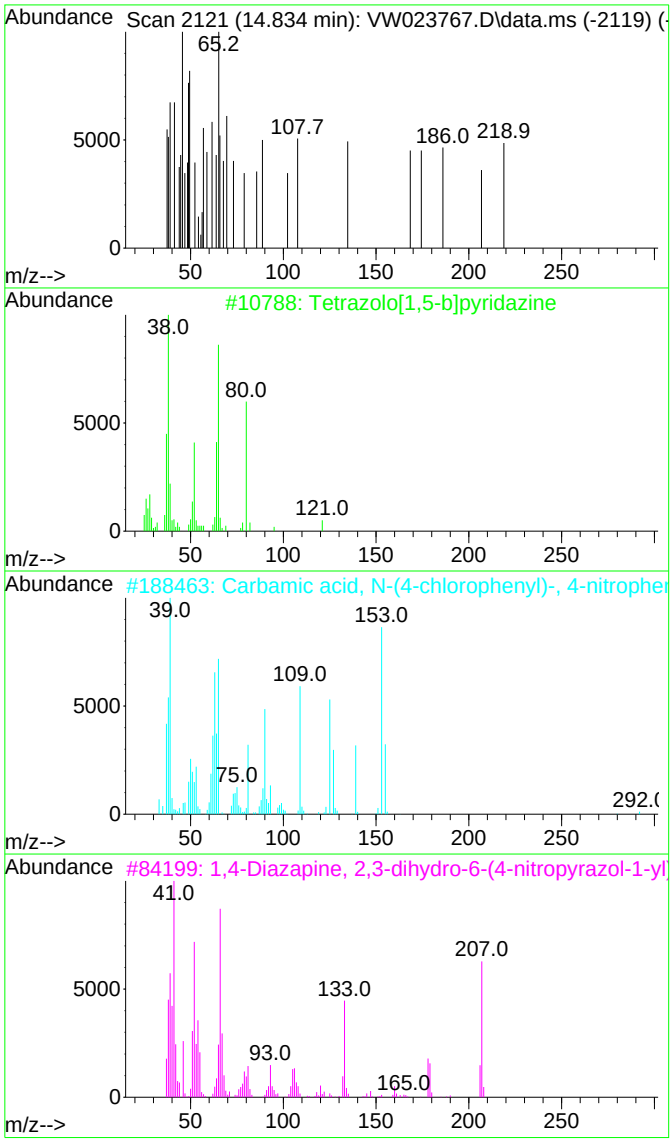
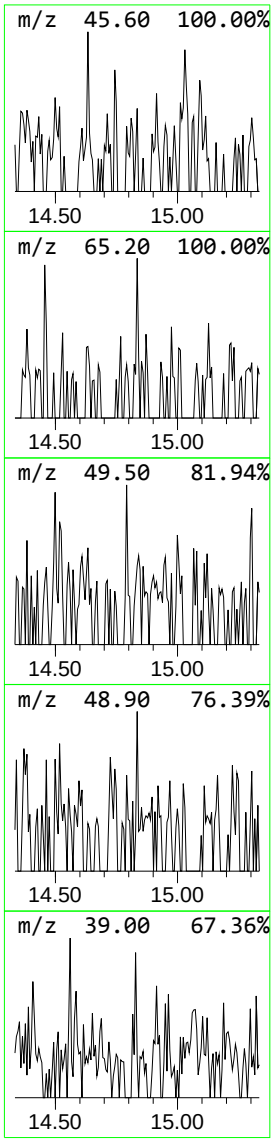
Peak Number 20 unknown-19 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.834 | 1.29 ug/L | 1306 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetrazolo[1,5-b]pyridazine | 121 | C4H3N5 | 000274-89-5 | 32 |
| 2 | Carbamic acid, N-(4-chlorophenyl... | 292 | C13H9ClN2O4 | 003848-41-7 | 23 |
| 3 | 1,4-Diazapine, 2,3-dihydro-6-(4-... | 207 | C8H9N5O2 | 108262-29-9 | 10 |
| 4 | 2-Hydroxyethyl ethyl disulfide | 138 | C4H10OS2 | 004151-67-1 | 10 |
| 5 | Propanenitrile, 3-chloro- | 89 | C3H4ClN | 000542-76-7 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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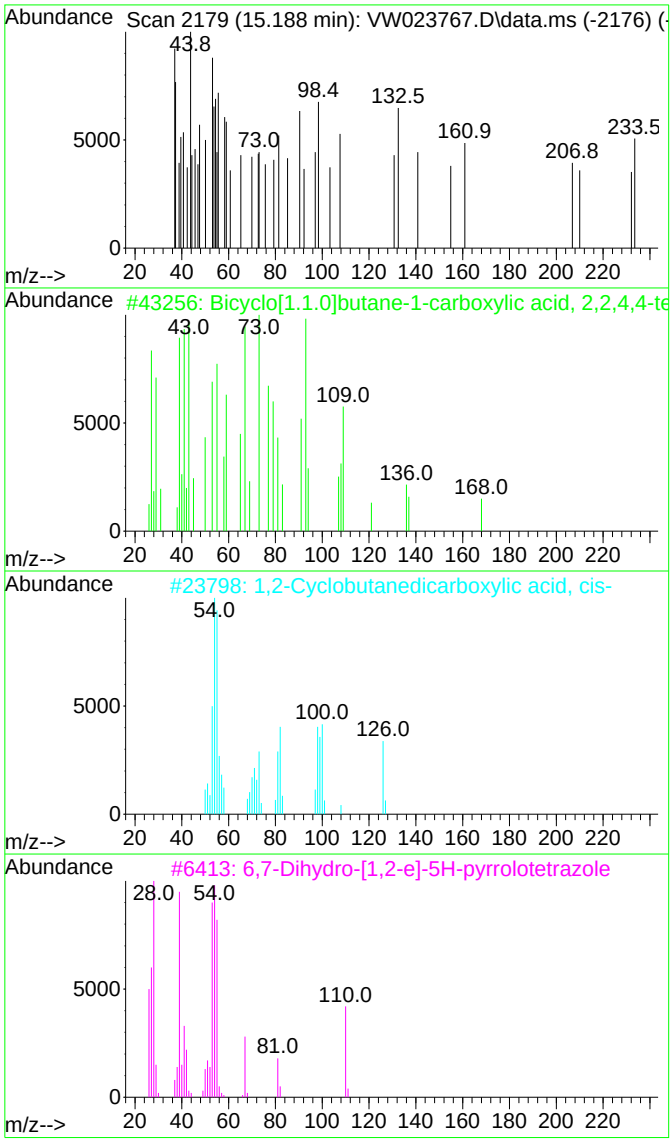
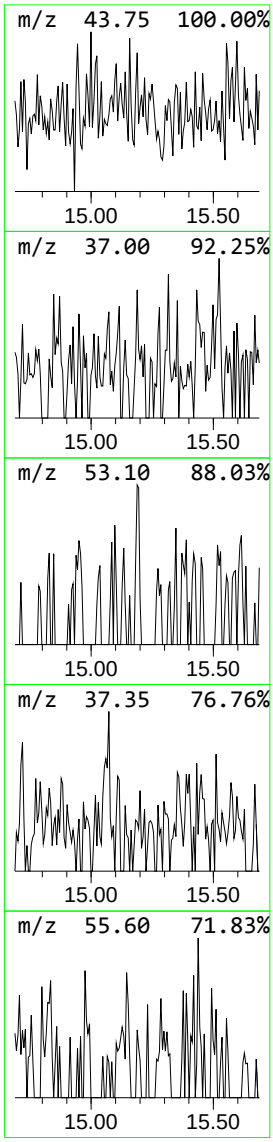
Peak Number 21 unknown-20 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.188 | 1.48 ug/L | 1498 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[1.1.0]butane-1-carboxyli... | 168 | C10H16O2 | 019931-20-5 | 38 |
| 2 | 1,2-Cyclobutanedicarboxylic acid... | 144 | C6H8O4 | 001461-94-5 | 38 |
| 3 | 6,7-Dihydro-[1,2-e]-5H-pyrrolote... | 110 | C4H6N4 | 005817-87-8 | 37 |
| 4 | 3-(4-Amino-furazan-3-yl)-5-methy... | 210 | C6H6N6O3 | 1000300-52-1 | 35 |
| 5 | 2H-Pyran-2,2-dicarboxylic acid, ... | 228 | C11H16O5 | 024588-58-7 | 33 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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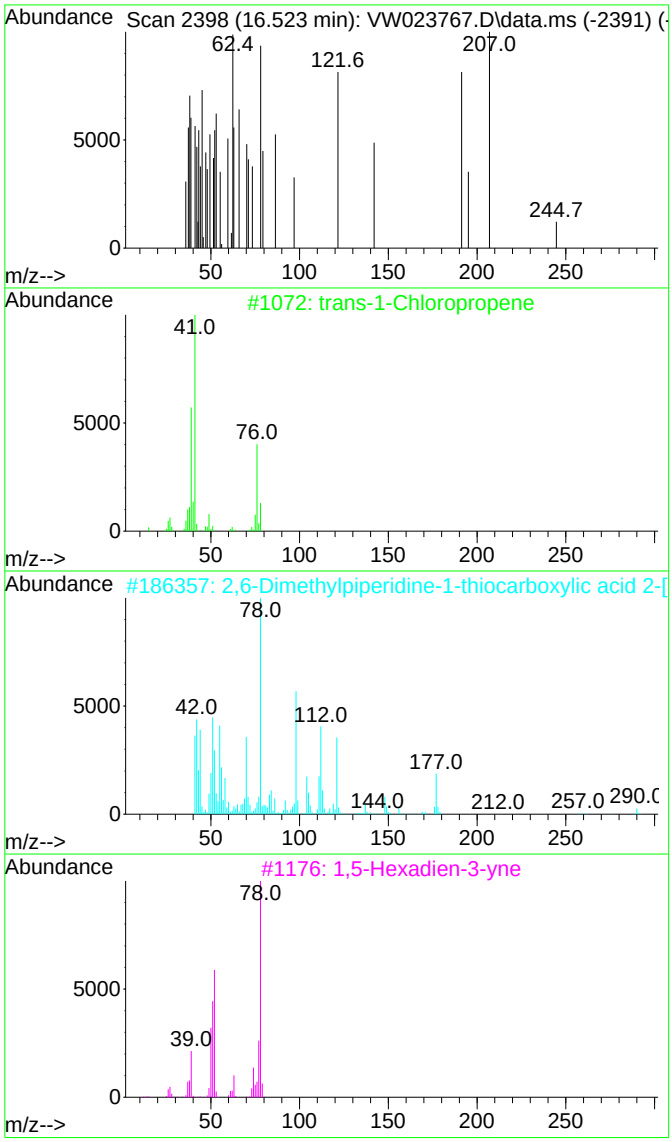
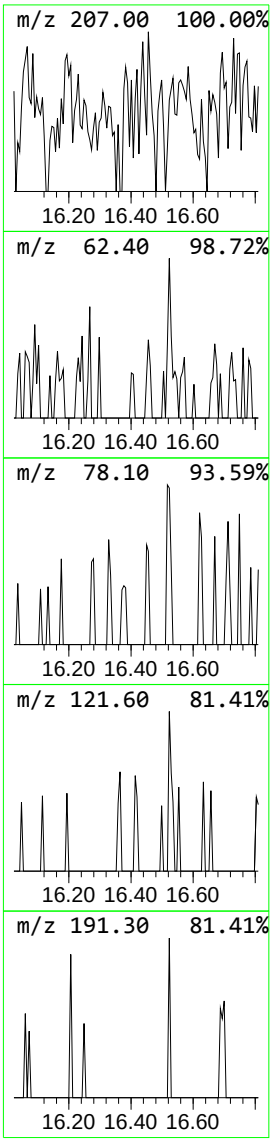
Peak Number 22 unknown-21 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.523 | 3.43 ug/L | 3479 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-1-Chloropropene | 76 | C3H5Cl | 016136-85-9 | 12 |
| 2 | 2,6-Dimethylpiperidine-1-thiocar... | 290 | C15H22N4S | 071555-30-1 | 10 |
| 3 | 1,5-Hexadien-3-yne | 78 | C6H6 | 000821-08-9 | 10 |
| 4 | Methylthiophosphonamidic acid, S... | 125 | C2H8NOPS | 1000306-03-2 | 10 |
| 5 | 2-(Cyclopropylsulfanyl)-1,3-benz... | 207 | C10H9NS2 | 1000410-29-5 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071522\
Data File : VW023767.D
Acq On : 16 Jul 2022 00:18
Operator : SY/VA
Sample : N3700-11RE
Misc : 7.76g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
F5C18RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown-01 | 4.665 | 1.3 | ug/L | 1469 | 1 | 8.848 | 28971 | 25.0 |
| unknown-02 | 4.995 | 1.5 | ug/L | 1734 | 1 | 8.848 | 28971 | 25.0 |
| unknown-03 | 5.068 | 1.6 | ug/L | 1900 | 1 | 8.848 | 28971 | 25.0 |
| unknown-04 | 5.391 | 1.9 | ug/L | 2157 | 1 | 8.848 | 28971 | 25.0 |
| 1-Penten-3-yne,... | 6.561 | 1.8 | ug/L | 2054 | 1 | 8.848 | 28971 | 25.0 |
| unknown-05 | 7.037 | 1.3 | ug/L | 1518 | 1 | 8.848 | 28971 | 25.0 |
| unknown-06 | 9.561 | 1.3 | ug/L | 1494 | 1 | 8.848 | 28971 | 25.0 |
| unknown-07 | 9.695 | 1.4 | ug/L | 1603 | 1 | 8.848 | 28971 | 25.0 |
| unknown-08 | 10.030 | 12.0 | ug/L | 13955 | 1 | 8.848 | 28971 | 25.0 |
| unknown-09 | 10.097 | 1.4 | ug/L | 1616 | 1 | 8.848 | 28971 | 25.0 |
| unknown-10 | 11.286 | 1.6 | ug/L | 2479 | 2 | 11.634 | 38799 | 25.0 |
| unknown-11 | 12.615 | 3.7 | ug/L | 3720 | 3 | 13.554 | 25377 | 25.0 |
| unknown-12 | 13.054 | 1.7 | ug/L | 1695 | 3 | 13.554 | 25377 | 25.0 |
| unknown-13 | 13.109 | 1.7 | ug/L | 1763 | 3 | 13.554 | 25377 | 25.0 |
| unknown-14 | 13.719 | 2.3 | ug/L | 2322 | 3 | 13.554 | 25377 | 25.0 |
| unknown-15 | 13.749 | 1.4 | ug/L | 1447 | 3 | 13.554 | 25377 | 25.0 |
| unknown-16 | 14.274 | 1.5 | ug/L | 1511 | 3 | 13.554 | 25377 | 25.0 |
| unknown-17 | 14.511 | 1.5 | ug/L | 1554 | 3 | 13.554 | 25377 | 25.0 |
| unknown-18 | 14.572 | 1.4 | ug/L | 1447 | 3 | 13.554 | 25377 | 25.0 |
| unknown-19 | 14.834 | 1.3 | ug/L | 1306 | 3 | 13.554 | 25377 | 25.0 |
| unknown-20 | 15.188 | 1.5 | ug/L | 1498 | 3 | 13.554 | 25377 | 25.0 |
| unknown-21 | 16.523 | 3.4 | ug/L | 3479 | 3 | 13.554 | 25377 | 25.0 |