LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

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\SFAMWLM091823SMA.M
Title : SFAM01.0

Signal : TIC: VW027147.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.363 | 72 | 78 | 86 | rVB | 42734 | 84172 | 10.79% | 1.502% |
| 2 | 2.893 | 159 | 165 | 167 | rBV | 34694 | 58114 | 7.45% | 1.037% |
| 3 | 2.948 | 171 | 174 | 175 | rBV2 | 11233 | 12144 | 1.56% | 0.217% |
| 4 | 2.972 | 175 | 178 | 180 | rBV4 | 26199 | 33944 | 4.35% | 0.606% |
| 5 | 3.363 | 238 | 242 | 244 | rVB5 | 1621 | 1823 | 0.23% | 0.033% |
| 6 | 3.478 | 256 | 261 | 263 | rBV5 | 1392 | 2394 | 0.31% | 0.043% |
| 7 | 3.558 | 272 | 274 | 278 | rBV4 | 1994 | 2586 | 0.33% | 0.046% |
| 8 | 3.680 | 289 | 294 | 297 | rBV7 | 1047 | 1822 | 0.23% | 0.033% |
| 9 | 3.741 | 302 | 304 | 307 | rVB4 | 1830 | 2125 | 0.27% | 0.038% |
| 10 | 3.850 | 320 | 322 | 324 | rBV3 | 1576 | 1806 | 0.23% | 0.032% |
| 11 | 4.021 | 340 | 350 | 360 | rBV2 | 82050 | 222213 | 28.50% | 3.965% |
| 12 | 4.375 | 403 | 408 | 411 | rBV7 | 2628 | 3933 | 0.50% | 0.070% |
| 13 | 4.564 | 436 | 439 | 442 | rVV5 | 1713 | 2093 | 0.27% | 0.037% |
| 14 | 4.917 | 487 | 497 | 508 | rBV3 | 20570 | 71998 | 9.23% | 1.285% |
| 15 | 5.301 | 557 | 560 | 566 | rVB8 | 1310 | 1977 | 0.25% | 0.035% |
| 16 | 5.947 | 657 | 666 | 673 | rBV5 | 14412 | 45650 | 5.85% | 0.815% |
| 17 | 6.100 | 687 | 691 | 695 | rVB6 | 1241 | 1817 | 0.23% | 0.032% |
| 18 | 6.149 | 695 | 699 | 701 | rBV3 | 1432 | 1984 | 0.25% | 0.035% |
| 19 | 6.460 | 746 | 750 | 752 | rBV4 | 1296 | 2296 | 0.29% | 0.041% |
| 20 | 6.606 | 773 | 774 | 780 | rVB5 | 1076 | 1832 | 0.23% | 0.033% |
| 21 | 6.990 | 834 | 837 | 839 | rBV4 | 1591 | 1789 | 0.23% | 0.032% |
| 22 | 7.081 | 845 | 852 | 866 | rBV2 | 23685 | 78135 | 10.02% | 1.394% |
| 23 | 7.374 | 897 | 900 | 903 | rBV5 | 1182 | 1971 | 0.25% | 0.035% |
| 24 | 7.508 | 918 | 922 | 923 | rBV4 | 1478 | 1807 | 0.23% | 0.032% |
| 25 | 7.648 | 935 | 945 | 957 | rVV | 138494 | 357840 | 45.89% | 6.386% |
| 26 | 7.843 | 974 | 977 | 978 | rVV3 | 1705 | 1801 | 0.23% | 0.032% |
| 27 | 8.026 | 1004 | 1007 | 1012 | rVV6 | 2000 | 3604 | 0.46% | 0.064% |
| 28 | 8.276 | 1038 | 1048 | 1064 | rBV2 | 255514 | 779754 | 100.00% | 13.915% |
| 29 | 8.423 | 1067 | 1072 | 1076 | rVV8 | 2014 | 3458 | 0.44% | 0.062% |
| 30 | 8.502 | 1083 | 1085 | 1089 | rVB5 | 1996 | 2360 | 0.30% | 0.042% |
| 31 | 8.532 | 1089 | 1090 | 1094 | rBV4 | 1717 | 2269 | 0.29% | 0.040% |
| 32 | 8.843 | 1132 | 1141 | 1151 | rVV | 227792 | 451383 | 57.89% | 8.055% |
| 33 | 8.923 | 1153 | 1154 | 1157 | rVV3 | 1823 | 1942 | 0.25% | 0.035% |
| 34 | 9.069 | 1175 | 1178 | 1180 | rBV4 | 3263 | 4120 | 0.53% | 0.074% |
| 35 | 9.276 | 1203 | 1212 | 1223 | rVV | 184110 | 386316 | 49.54% | 6.894% |
| 36 | 9.386 | 1228 | 1230 | 1232 | rVV3 | 1719 | 1858 | 0.24% | 0.033% |

LSC Area Percent Report

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Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

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\SFAMWLM091823SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 9.422 | 1234 | 1236 | 1238 | rVV2 | 2296 | 2253 | 0.29% | 0.040% |
| 38 | 9.514 | 1248 | 1251 | 1260 | rVB2 | 1254 | 3582 | 0.46% | 0.064% |
| 39 | 9.666 | 1270 | 1276 | 1282 | rBV9 | 2318 | 6265 | 0.80% | 0.112% |
| 40 | 9.898 | 1310 | 1314 | 1317 | rVB6 | 1429 | 2160 | 0.28% | 0.039% |
| 41 | 9.947 | 1317 | 1322 | 1326 | rBV7 | 1531 | 2917 | 0.37% | 0.052% |
| 42 | 10.032 | 1329 | 1336 | 1344 | rBV | 71410 | 134637 | 17.27% | 2.403% |
| 43 | 10.172 | 1357 | 1359 | 1362 | rBV3 | 3211 | 2163 | 0.28% | 0.039% |
| 44 | 10.325 | 1375 | 1384 | 1393 | rBV | 292981 | 525819 | 67.43% | 9.383% |
| 45 | 10.581 | 1419 | 1426 | 1432 | rBV | 44437 | 84355 | 10.82% | 1.505% |
| 46 | 10.630 | 1432 | 1434 | 1441 | rVB7 | 5220 | 5155 | 0.66% | 0.092% |
| 47 | 10.697 | 1441 | 1445 | 1450 | rBV4 | 3365 | 5850 | 0.75% | 0.104% |
| 48 | 10.794 | 1458 | 1461 | 1463 | rBV4 | 14703 | 20747 | 2.66% | 0.370% |
| 49 | 10.819 | 1463 | 1465 | 1469 | rBV5 | 15616 | 21778 | 2.79% | 0.389% |
| 50 | 10.922 | 1478 | 1482 | 1487 | rBV | 50596 | 84681 | 10.86% | 1.511% |
| 51 | 11.081 | 1505 | 1508 | 1513 | rBV7 | 19274 | 29320 | 3.76% | 0.523% |
| 52 | 11.227 | 1530 | 1532 | 1538 | rBV7 | 12926 | 14942 | 1.92% | 0.267% |
| 53 | 11.325 | 1544 | 1548 | 1550 | rBV5 | 18265 | 32435 | 4.16% | 0.579% |
| 54 | 11.440 | 1565 | 1567 | 1570 | rBV4 | 5496 | 4654 | 0.60% | 0.083% |
| 55 | 11.471 | 1570 | 1572 | 1574 | rVV3 | 8530 | 6615 | 0.85% | 0.118% |
| 56 | 11.514 | 1576 | 1579 | 1583 | rVB6 | 13732 | 15615 | 2.00% | 0.279% |
| 57 | 11.581 | 1588 | 1590 | 1591 | rBV2 | 14426 | 14702 | 1.89% | 0.262% |
| 58 | 11.629 | 1593 | 1598 | 1604 | rVB2 | 304833 | 487001 | 62.46% | 8.691% |
| 59 | 11.806 | 1622 | 1627 | 1628 | rBV5 | 22997 | 45632 | 5.85% | 0.814% |
| 60 | 12.099 | 1673 | 1675 | 1678 | rVB4 | 8733 | 6435 | 0.83% | 0.115% |
| 61 | 12.221 | 1692 | 1695 | 1700 | rBV6 | 17586 | 24876 | 3.19% | 0.444% |
| 62 | 12.330 | 1710 | 1713 | 1716 | rBV5 | 17217 | 22469 | 2.88% | 0.401% |
| 63 | 12.410 | 1723 | 1726 | 1730 | rBV6 | 17172 | 24460 | 3.14% | 0.436% |
| 64 | 12.471 | 1734 | 1736 | 1738 | rVB3 | 8906 | 5698 | 0.73% | 0.102% |
| 65 | 12.538 | 1744 | 1747 | 1751 | rBV5 | 19203 | 29600 | 3.80% | 0.528% |
| 66 | 12.629 | 1760 | 1762 | 1766 | rVB4 | 16025 | 20557 | 2.64% | 0.367% |
| 67 | 12.690 | 1766 | 1772 | 1780 | rVB | 195829 | 308619 | 39.58% | 5.507% |
| 68 | 12.769 | 1780 | 1785 | 1787 | rBV6 | 19226 | 42529 | 5.45% | 0.759% |
| 69 | 12.958 | 1814 | 1816 | 1819 | rBV4 | 8794 | 8633 | 1.11% | 0.154% |
| 70 | 13.001 | 1821 | 1823 | 1826 | rVB4 | 14477 | 14184 | 1.82% | 0.253% |
| 71 | 13.129 | 1841 | 1844 | 1847 | rBV4 | 20776 | 38095 | 4.89% | 0.680% |
| 72 | 13.306 | 1872 | 1873 | 1875 | rVB2 | 8415 | 4214 | 0.54% | 0.075% |
| 73 | 13.349 | 1878 | 1880 | 1885 | rVB6 | 15316 | 16460 | 2.11% | 0.294% |
| 74 | 13.391 | 1885 | 1887 | 1891 | rBV4 | 16182 | 15459 | 1.98% | 0.276% |
| 75 | 13.458 | 1894 | 1898 | 1904 | rVB9 | 17814 | 42917 | 5.50% | 0.766% |
| 76 | 13.556 | 1909 | 1914 | 1918 | rBV | 144677 | 231567 | 29.70% | 4.132% |

LSC Area Percent Report

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Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

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\SFAMWLM091823SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.702 | 1936 | 1938 | 1940 | rBV3 | 10022 | 6119 | 0.78% | 0.109% |
| 78 | 13.739 | 1940 | 1944 | 1945 | rBV4 | 15036 | 23198 | 2.98% | 0.414% |
| 79 | 13.849 | 1957 | 1962 | 1969 | rVB | 147120 | 242963 | 31.16% | 4.336% |
| 80 | 14.031 | 1989 | 1992 | 1994 | rBV4 | 14568 | 12655 | 1.62% | 0.226% |
| 81 | 14.086 | 1998 | 2001 | 2003 | rBV4 | 15196 | 21503 | 2.76% | 0.384% |
| 82 | 14.373 | 2046 | 2048 | 2053 | rVB6 | 11255 | 11434 | 1.47% | 0.204% |
| 83 | 14.434 | 2056 | 2058 | 2062 | rBV5 | 12240 | 13233 | 1.70% | 0.236% |
| 84 | 14.483 | 2064 | 2066 | 2069 | rVB3 | 12866 | 11374 | 1.46% | 0.203% |
| 85 | 14.556 | 2076 | 2078 | 2081 | rVB4 | 9867 | 7069 | 0.91% | 0.126% |
| 86 | 14.586 | 2081 | 2083 | 2087 | rBV4 | 8301 | 5776 | 0.74% | 0.103% |
| 87 | 14.647 | 2090 | 2093 | 2095 | rBV3 | 17831 | 25920 | 3.32% | 0.463% |
| 88 | 14.848 | 2124 | 2126 | 2129 | rVB3 | 11159 | 7522 | 0.96% | 0.134% |
| 89 | 14.915 | 2134 | 2137 | 2139 | rBV4 | 11983 | 10872 | 1.39% | 0.194% |
| 90 | 15.068 | 2158 | 2162 | 2166 | rBV7 | 21113 | 45858 | 5.88% | 0.818% |
| 91 | 15.202 | 2182 | 2184 | 2186 | rBV3 | 7074 | 4756 | 0.61% | 0.085% |
| 92 | 15.360 | 2206 | 2210 | 2214 | rBV6 | 17727 | 25618 | 3.29% | 0.457% |
| 93 | 15.495 | 2230 | 2232 | 2236 | rBV4 | 19071 | 23133 | 2.97% | 0.413% |
| 94 | 15.537 | 2238 | 2239 | 2241 | rVV2 | 12829 | 11058 | 1.42% | 0.197% |
| 95 | 15.562 | 2241 | 2243 | 2249 | rVV7 | 18948 | 27932 | 3.58% | 0.498% |
| 96 | 15.604 | 2249 | 2250 | 2254 | rVB4 | 9750 | 8909 | 1.14% | 0.159% |
| 97 | 16.263 | 2354 | 2358 | 2360 | rBV5 | 2416 | 2587 | 0.33% | 0.046% |
| 98 | 16.366 | 2371 | 2375 | 2377 | rBV5 | 1852 | 2353 | 0.30% | 0.042% |
| 99 | 16.488 | 2392 | 2395 | 2398 | rVV4 | 2354 | 2678 | 0.34% | 0.048% |
| 100 | 16.574 | 2406 | 2409 | 2411 | rBV4 | 1451 | 2038 | 0.26% | 0.036% |

Sum of corrected areas: 5603738

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
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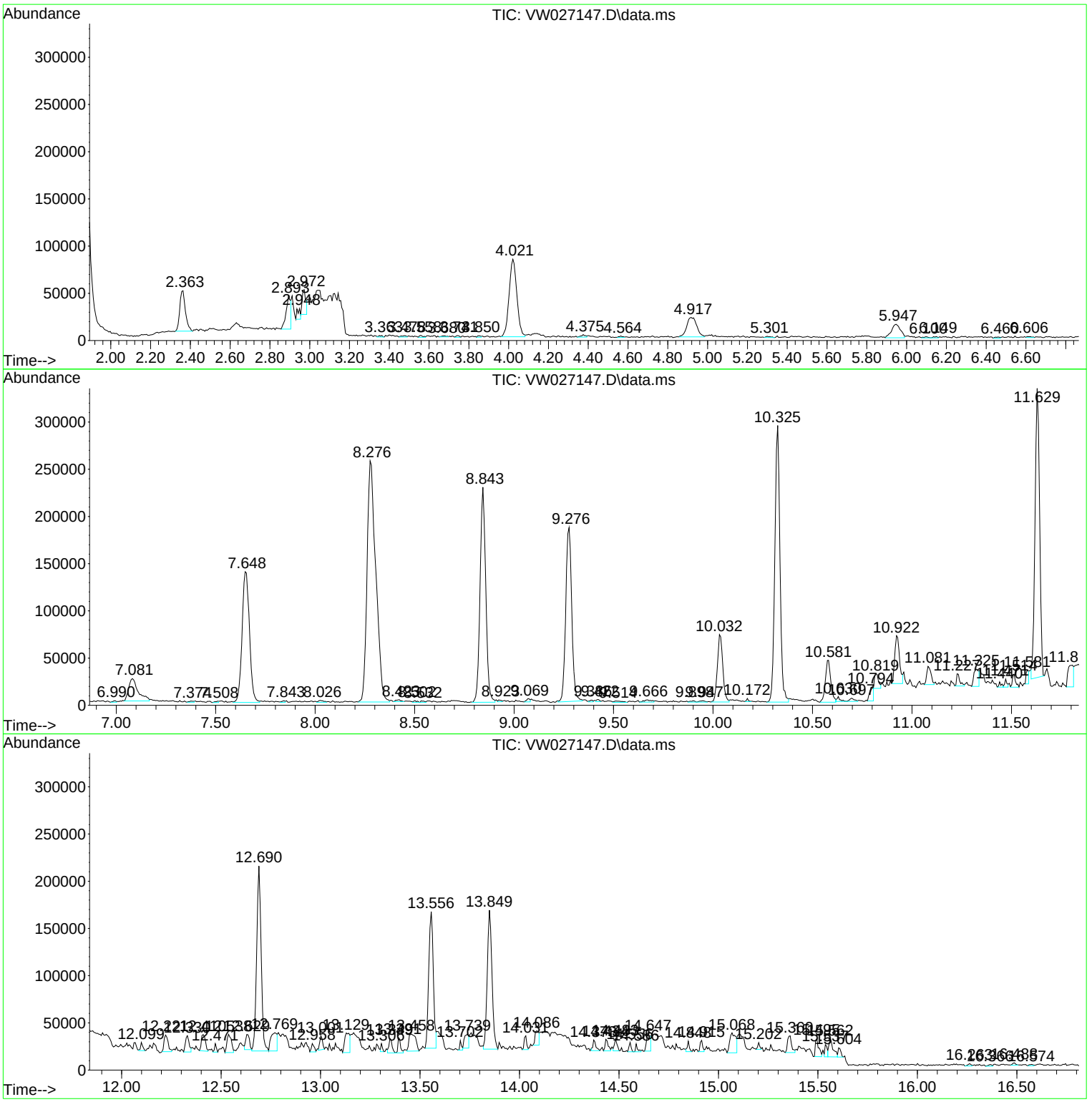
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

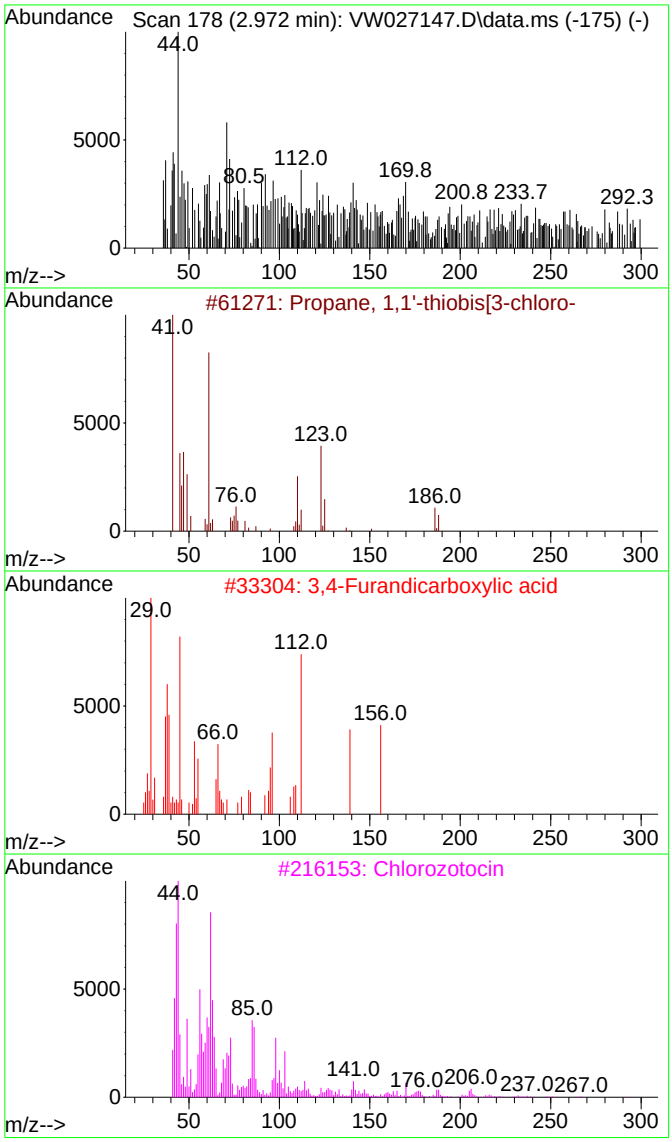
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

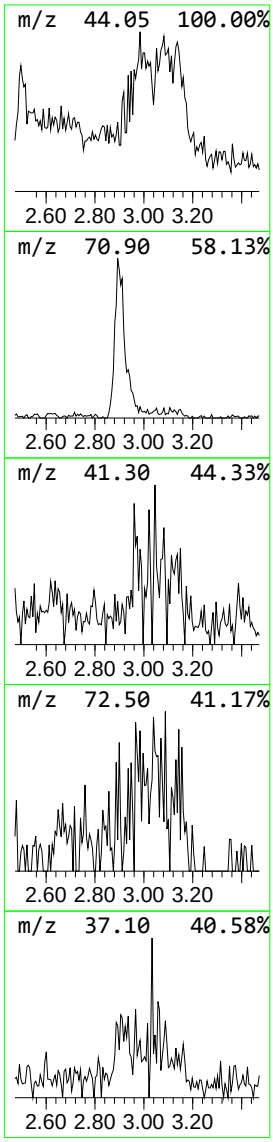
**********

Peak Number 1 unknown-01 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.972 | 1.88 ug/L | 33944 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1'-thiobis[3-chloro- | 186 | C6H12Cl2S | 055882-21-8 | 14 |
| 2 | 3,4-Furandicarboxylic acid | 156 | C6H4O5 | 003387-26-6 | 12 |
| 3 | Chlorozotocin | 313 | C9H16ClN3O7 | 054749-90-5 | 12 |
| 4 | 5H-Thiazolo[3,2-a]pyrimidine-7-c... | 196 | C7H4N2O3S | 1000337-52-3 | 12 |
| 5 | 5H-Dibenz(b,f)azepine, 10,11-dih... | 280 | C19H24N2 | 002064-23-5 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

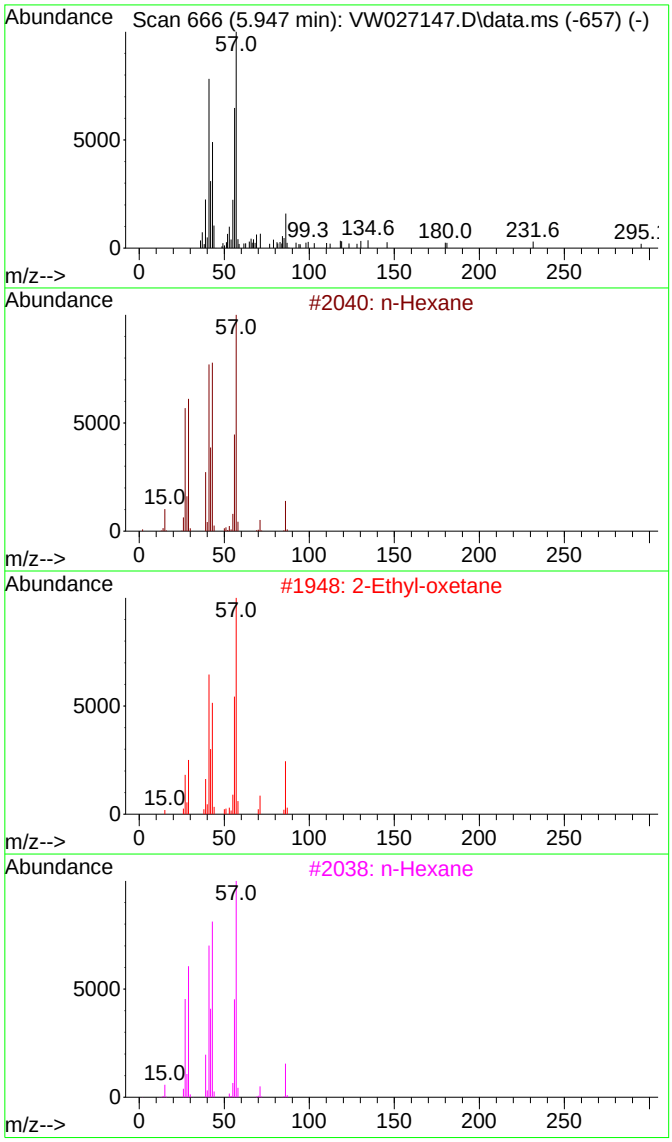
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

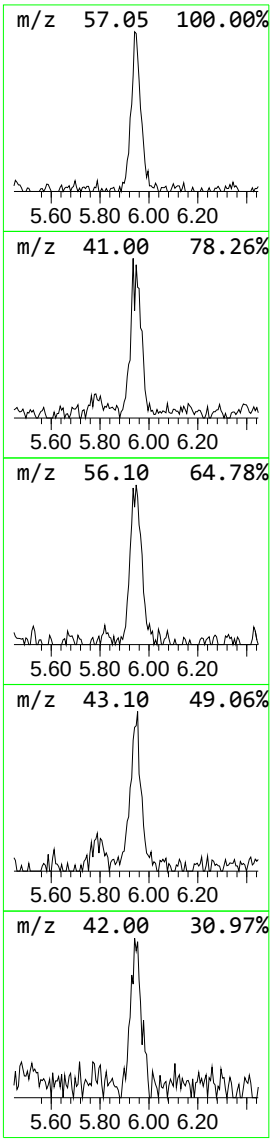
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.947 | 2.53 ug/L | 45650 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 59 |
| 2 | 2-Ethyl-oxetane | 86 | C5H10O | 1010386-40-2 | 59 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 59 |
| 4 | n-Hexane | 86 | C6H14 | 000110-54-3 | 38 |
| 5 | Acetamide, N-2-propenyl- | 99 | C5H9NO | 000692-33-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

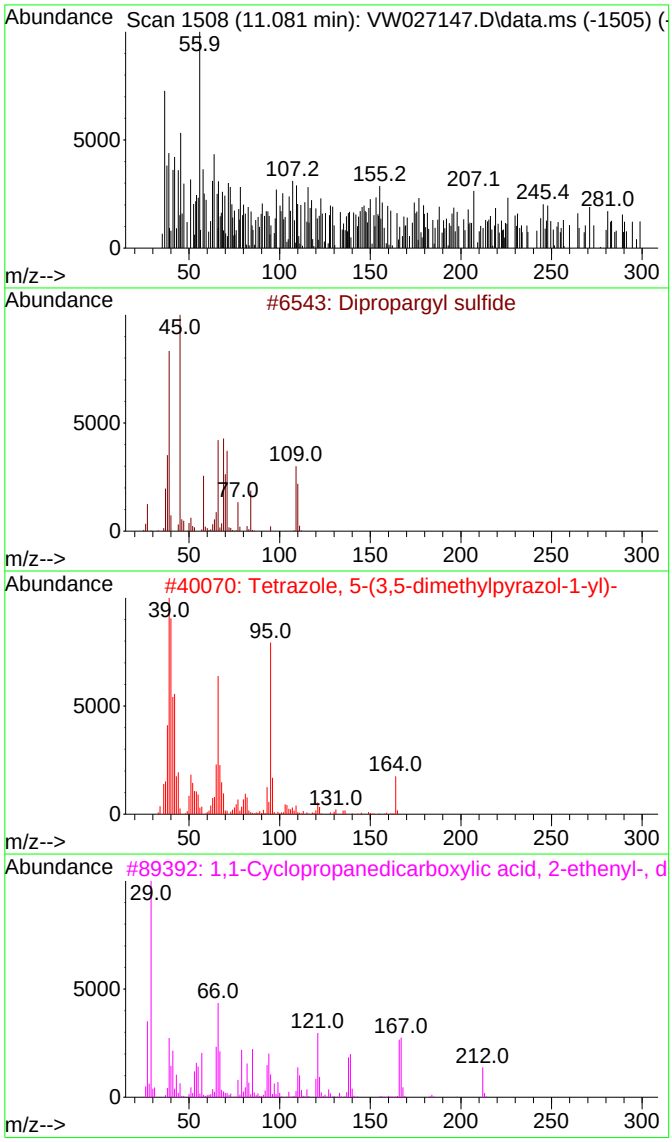
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

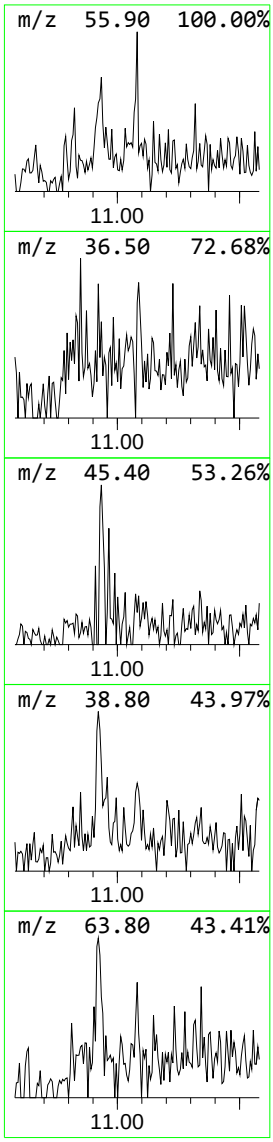
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 unknown-02 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.081 | 1.51 ug/L | 29320 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dipropargyl sulfide | 110 | C6H6S | 013702-09-5 | 25 |
| 2 | Tetrazole, 5-(3,5-dimethylpyrazo... | 164 | C6H8N6 | 297763-48-5 | 12 |
| 3 | 1,1-Cyclopropanedicarboxylic aci... | 212 | C11H16O4 | 007686-78-4 | 11 |
| 4 | 2,1,3-Benzothiadiazole, 4-nitro- | 181 | C6H3N3O2S | 006583-06-8 | 10 |
| 5 | Propanenitrile, 3-[1-(5-nitro-2-... | 236 | C9H8N4O4 | 023326-60-5 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

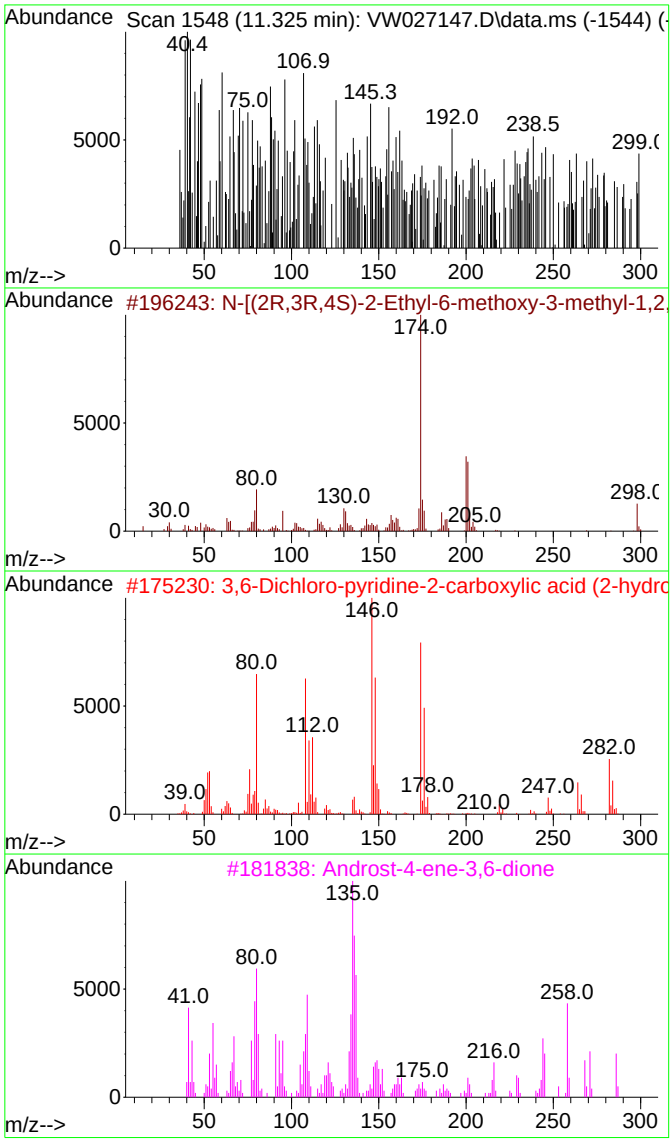
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

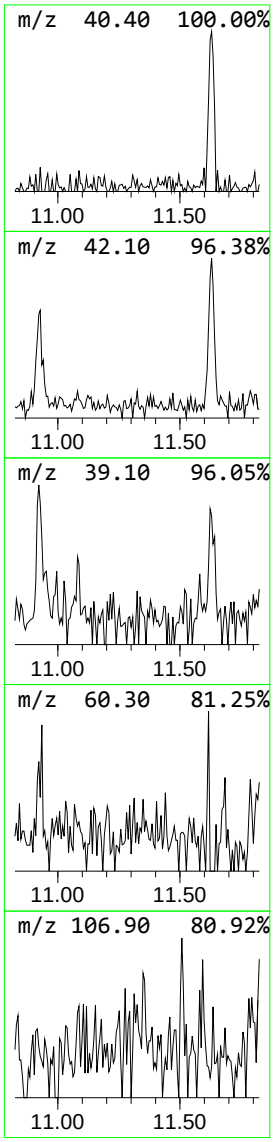
**********

Peak Number 5 unknown-03 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.325 | 1.67 ug/L | 32435 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N-[(2R,3R,4S)-2-Ethyl-6-methoxy-... | 298 | C14H22N2O3S | 1000482-56-7 | 35 |
| 2 | 3,6-Dichloro-pyridine-2-carboxyl... | 282 | C12H8Cl2N2O2 | 1000296-92-0 | 30 |
| 3 | Androst-4-ene-3,6-dione | 286 | C19H26O2 | 000604-25-1 | 27 |
| 4 | Bicyclo[3.3.0]oct-2-en-6-one, 3-... | 136 | C9H12O | 1000155-37-0 | 25 |
| 5 | 4-Pyridinemethanol | 109 | C6H7NO | 000586-95-8 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

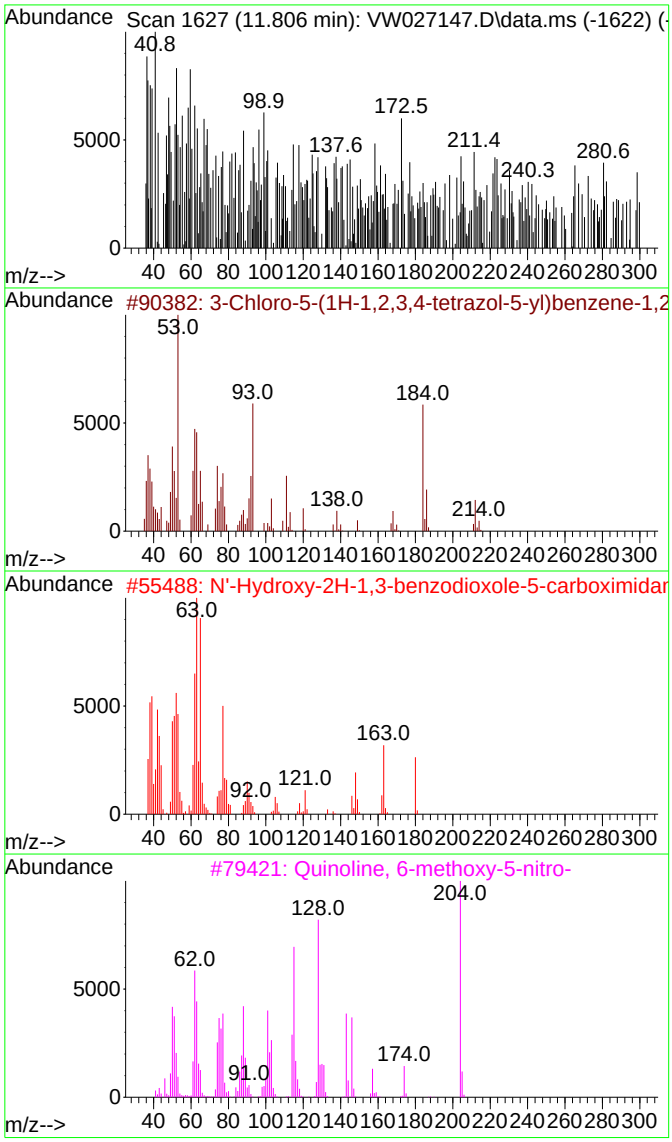
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

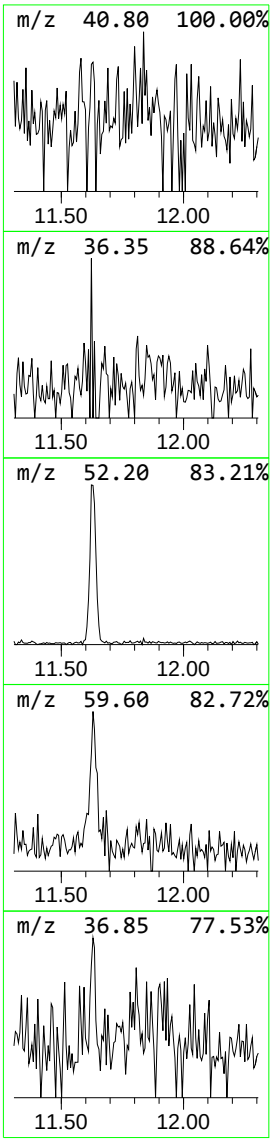
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 3-Chloro-5-(1H-1,2,3,4-tetr... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.806 | 2.34 ug/L | 45632 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-5-(1H-1,2,3,4-tetrazol-... | 212 | C7H5ClN4O2 | 1000409-86-2 | 60 |
| 2 | N'-Hydroxy-2H-1,3-benzodioxole-5... | 180 | C8H8N2O3 | 004720-72-3 | 46 |
| 3 | Quinoline, 6-methoxy-5-nitro- | 204 | C10H8N2O3 | 006623-91-2 | 43 |
| 4 | Benzene, 4-methyl-1,2-dinitro- | 182 | C7H6N2O4 | 000610-39-9 | 42 |
| 5 | Benzenamine, 2-methoxy-5-[5-(1H-... | 257 | C11H11N7O | 1000362-82-7 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

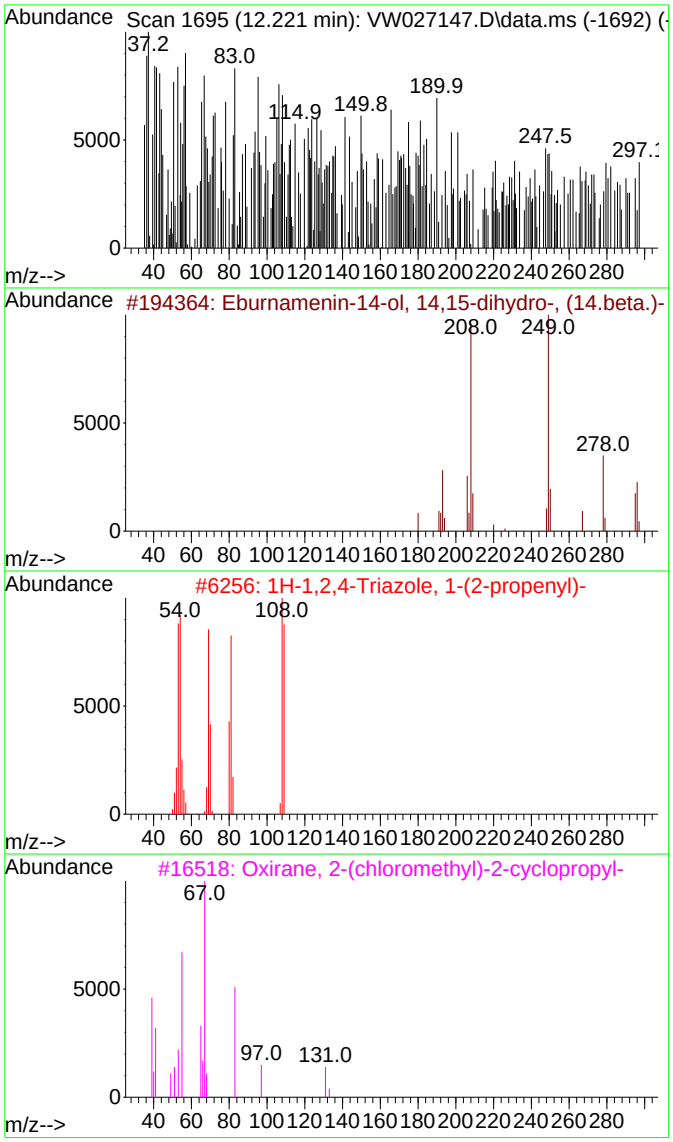
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

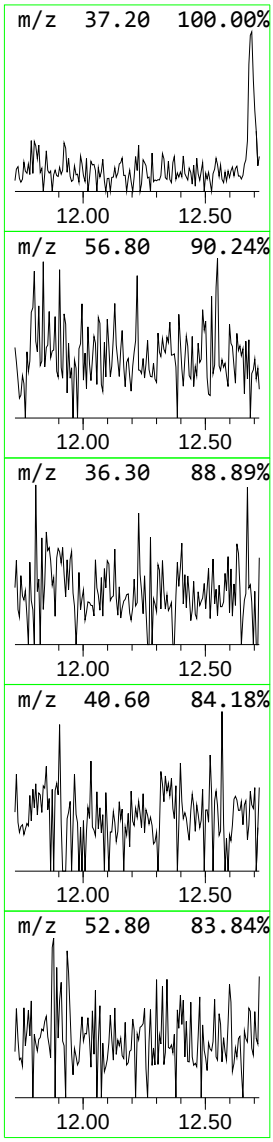
**********

Peak Number 7 unknown-04 Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.221 | 1.28 ug/L | 24876 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eburnamenin-14-ol, 14,15-dihydro... | 296 | C19H24N2O | 004201-84-7 | 27 |
| 2 | 1H-1,2,4-Triazole, 1-(2-propenyl)- | 109 | C5H7N3 | 063935-98-8 | 27 |
| 3 | Oxirane, 2-(chloromethyl)-2-cycl... | 132 | C6H9ClO | 121505-35-9 | 25 |
| 4 | 1H-1,3-Diborole, 1,3,4,5-tetraet... | 190 | C12H24B2 | 018067-54-4 | 22 |
| 5 | 2,5-Cyclohexadiene-1,4-dione, 2-... | 136 | C8H8O2 | 004754-26-1 | 11 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

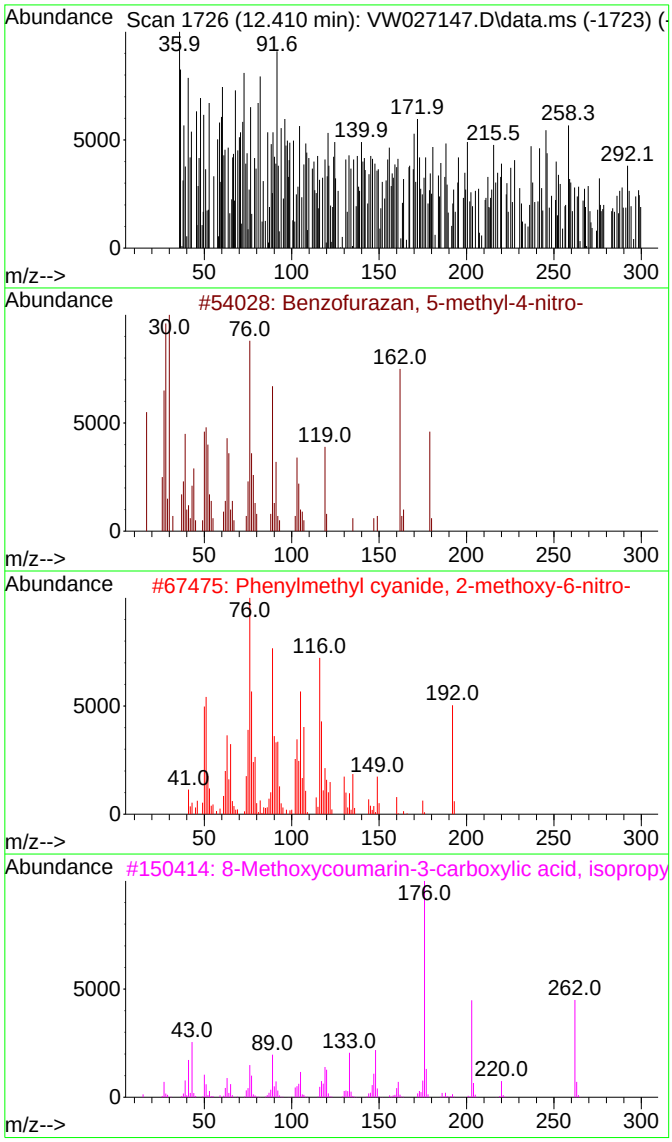
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

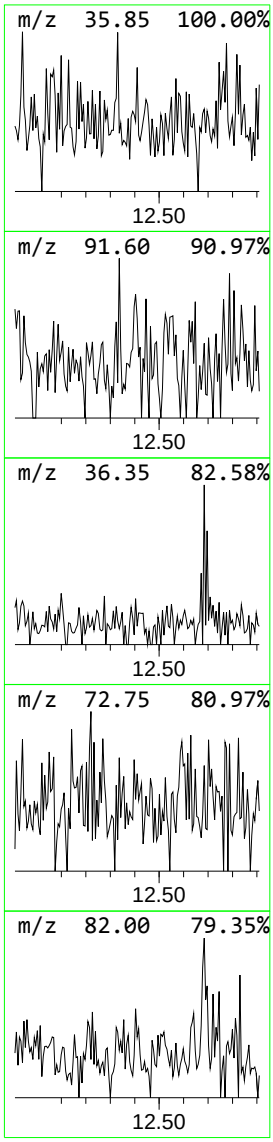
**********

Peak Number 8 unknown-05 Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.410 | 1.26 ug/L | 24460 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofurazan, 5-methyl-4-nitro- | 179 | C7H5N3O3 | 016322-21-7 | 46 |
| 2 | Phenylmethyl cyanide, 2-methoxy-... | 192 | C9H8N2O3 | 020876-27-1 | 45 |
| 3 | 8-Methoxycoumarin-3-carboxylic a... | 262 | C14H14O5 | 1000454-65-6 | 42 |
| 4 | 5-(5-Bromopyridin-3-yl)-4-methyl... | 270 | C8H7BrN4S | 951970-16-4 | 42 |
| 5 | [1,2,3,4]Tetrazolo[1,5-b][1,2,4]... | 258 | C11H10N6O2 | 1000338-28-9 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

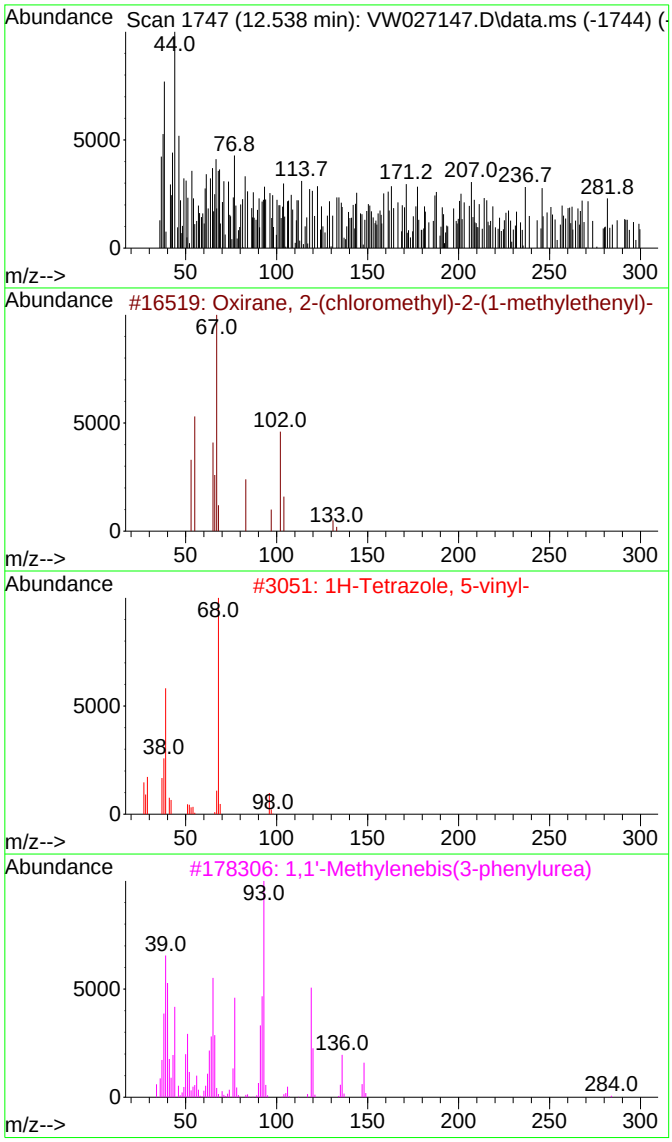
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

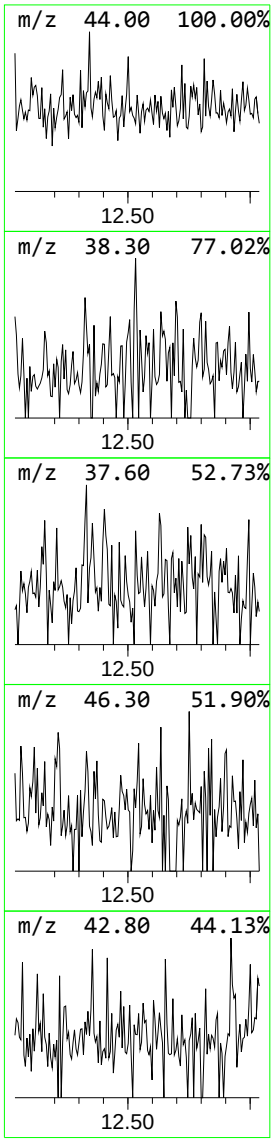
**********

Peak Number 9 unknown-06 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.538 | 1.52 ug/L | 29600 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, 2-(chloromethyl)-2-(1-m... | 132 | C6H9ClO | 121505-32-6 | 42 |
| 2 | 1H-Tetrazole, 5-vinyl- | 96 | C3H4N4 | 018755-47-0 | 38 |
| 3 | 1,1'-Methylenebis(3-phenylurea) | 284 | C15H16N4O2 | 018872-98-5 | 35 |
| 4 | 2-butenoic acid, 3-chloro-2-(chl... | 210 | C7H8Cl2O3 | 1000396-15-4 | 32 |
| 5 | 5-Bromopyrazolo[3,4-d]-s-triazin... | 215 | C4H2BrN5O | 1000212-45-5 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

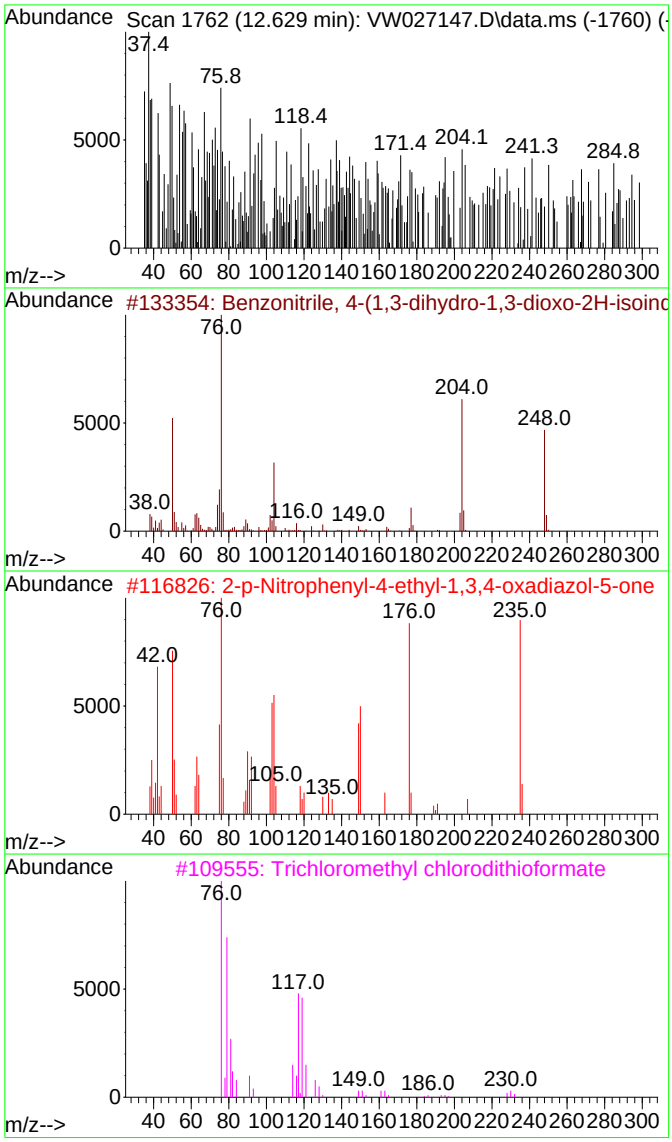
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

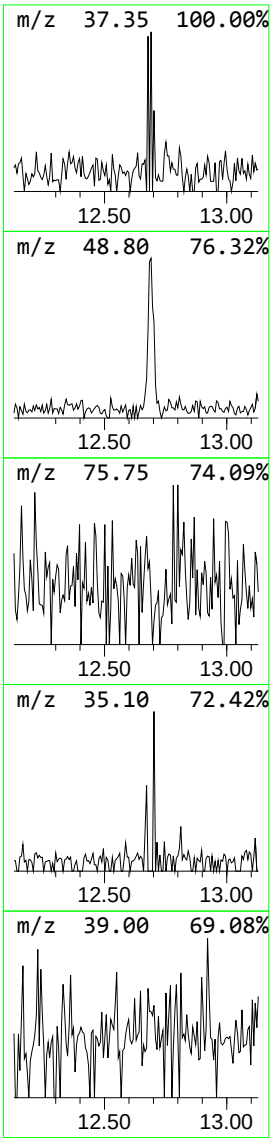
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzonitrile, 4-(1,3-dihydr... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.629 | 2.22 ug/L | 20557 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzonitrile, 4-(1,3-dihydro-1,3... | 248 | C15H8N2O2 | 084614-99-3 | 50 |
| 2 | 2-p-Nitrophenyl-4-ethyl-1,3,4-ox... | 235 | C10H9N3O4 | 1000144-38-8 | 43 |
| 3 | Trichloromethyl chlorodithioformate | 228 | C2Cl4S2 | 091631-89-9 | 40 |
| 4 | 4-(1,3-Dioxoindan-2-ylidenemethy... | 285 | C19H11NO2 | 084653-97-4 | 38 |
| 5 | 2H-Indol-2-one, 3-diazo-1,3-dihy... | 159 | C8H5N3O | 003265-29-0 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

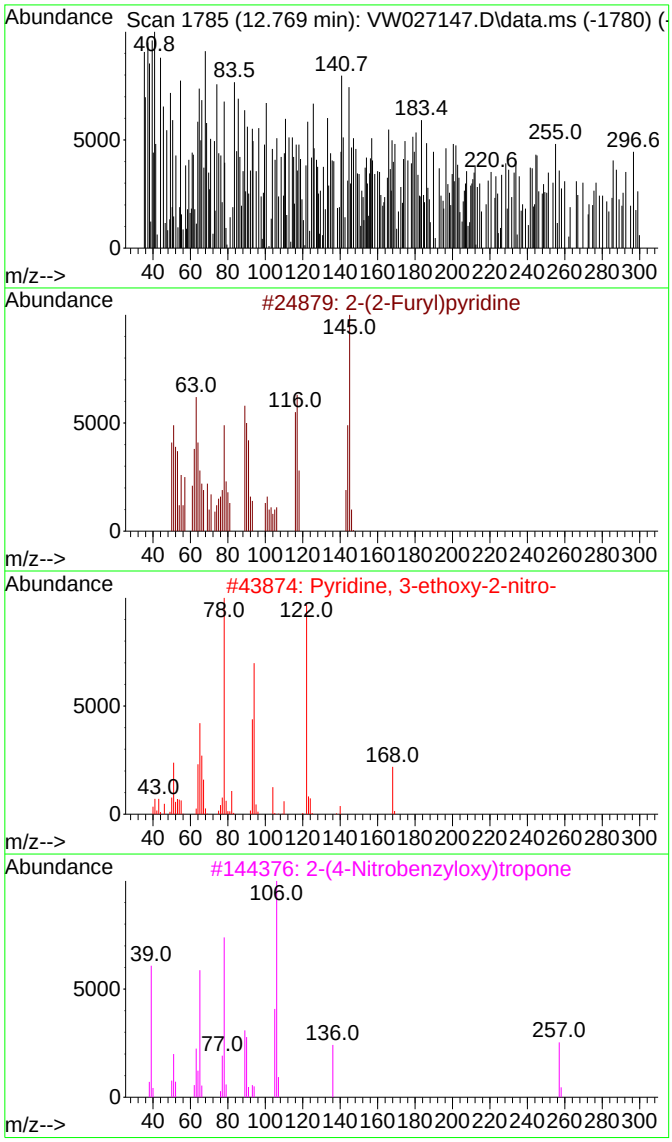
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

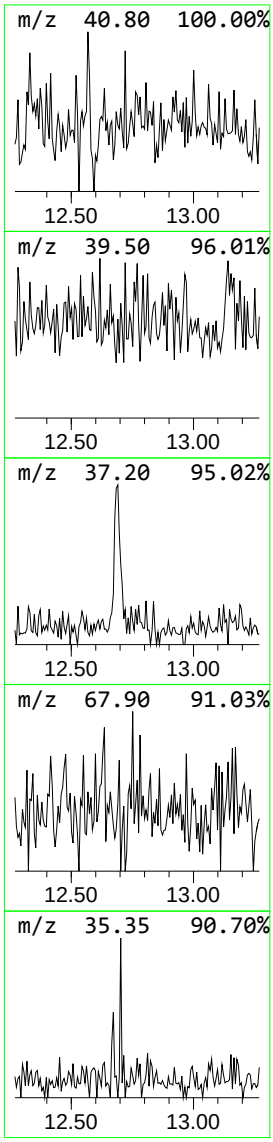
**********

Peak Number 11 unknown-07 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.769 | 4.59 ug/L | 42529 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-(2-Furyl)pyridine | 145 | C9H7NO | 055484-03-2 | 38 |
| 2 | Pyridine, 3-ethoxy-2-nitro- | 168 | C7H8N2O3 | 074037-50-6 | 27 |
| 3 | 2-(4-Nitrobenzyloxy)tropone | 257 | C14H11NO4 | 1000433-32-5 | 22 |
| 4 | 3,4-Dichloro-5-phenylimino-2(5H)... | 241 | C10H5Cl2NO2 | 220509-42-2 | 22 |
| 5 | Imidazole-5-propenoic acid, 3-[2... | 273 | C13H11N3O4 | 1000129-48-2 | 22 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

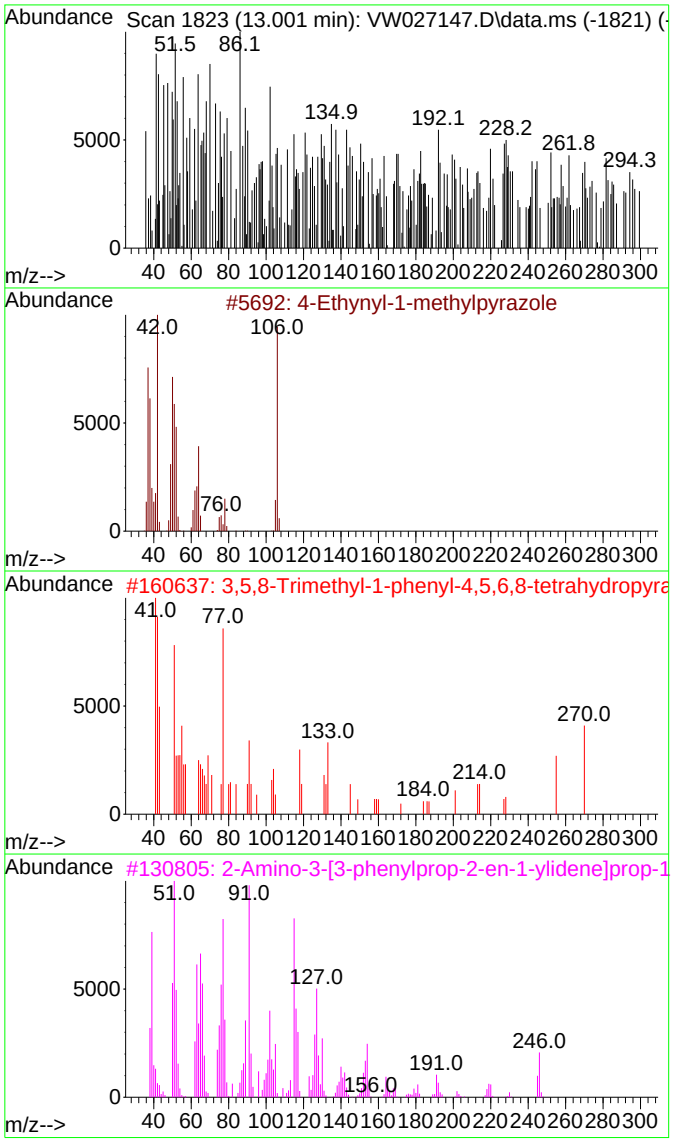
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

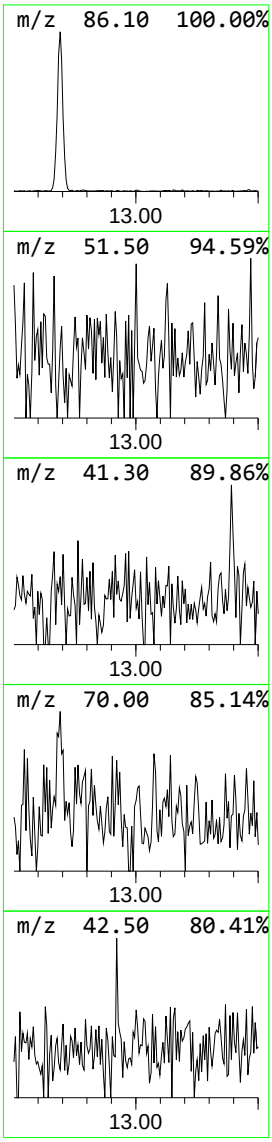
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 4-Ethynyl-1-methylpyrazole Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.001 | 1.53 ug/L | 14184 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Ethynyl-1-methylpyrazole | 106 | C6H6N2 | 039806-89-8 | 94 |
| 2 | 3,5,8-Trimethyl-1-phenyl-4,5,6,8... | 270 | C15H18N4O | 064899-16-7 | 53 |
| 3 | 2-Amino-3-[3-phenylprop-2-en-1-y... | 246 | C15H10N4 | 1000388-01-5 | 47 |
| 4 | 4-(1,2,3,4-Tetrazol-1-yl)benzoni... | 171 | C8H5N5 | 110840-26-1 | 45 |
| 5 | Benzene, 4-methyl-1,2-dinitro- | 182 | C7H6N2O4 | 000610-39-9 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

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

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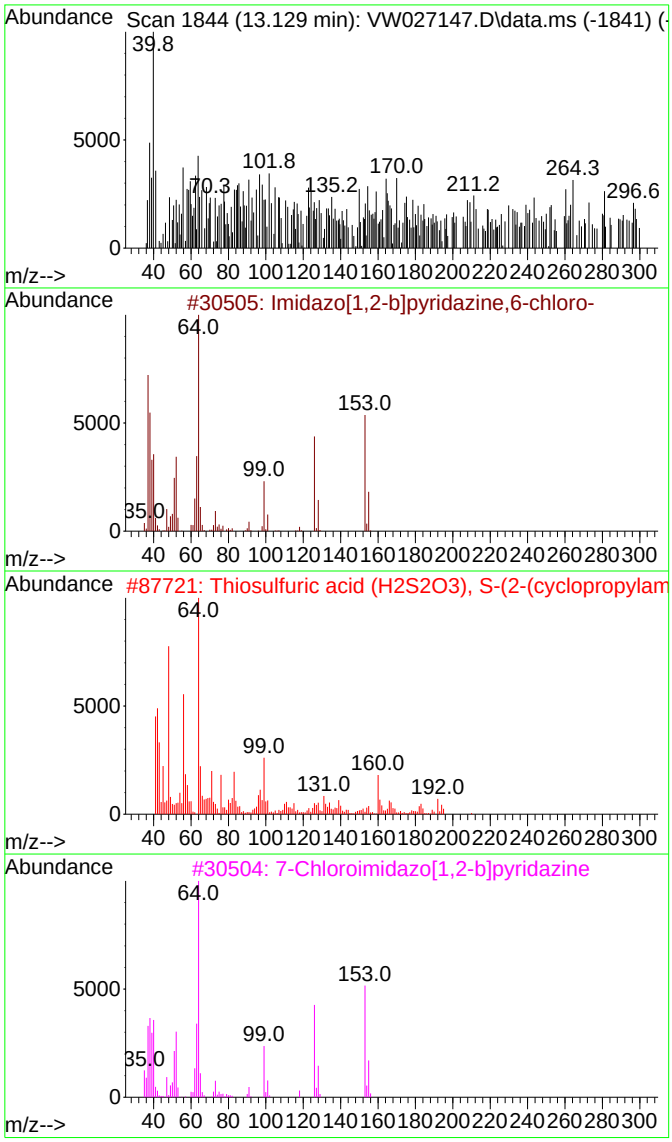
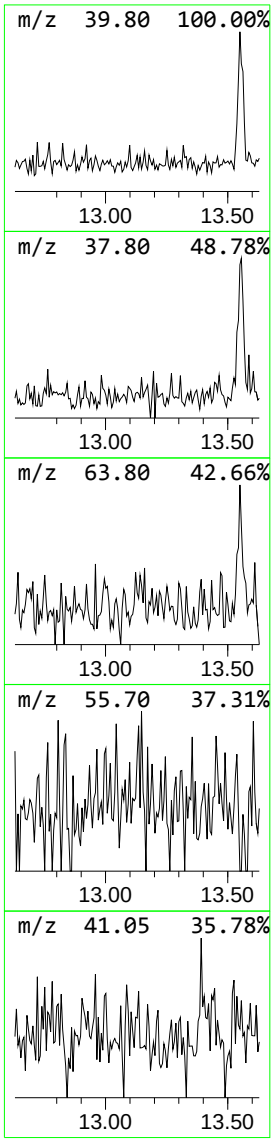
Peak Number 13 unknown-08 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.129 | 4.11 ug/L | 38095 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Imidazo[1,2-b]pyridazine,6-chloro- | 153 | C6H4ClN3 | 006775-78-6 | 43 |
| 2 | Thiosulfuric acid (H2S2O3), S-(2... | 210 | C5H10N2O3S2 | 040283-52-1 | 22 |
| 3 | 7-Chloroimidazo[1,2-b]pyridazine | 153 | C6H4ClN3 | 1010388-04-4 | 22 |
| 4 | Methanethiol, (N-cycloheptylmeth... | 280 | C10H20N2O3S2 | 040283-61-2 | 22 |
| 5 | Thiosulfuric acid (H2S2o3), S-[2... | 321 | C8H20NO6PS2 | 062209-41-0 | 22 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

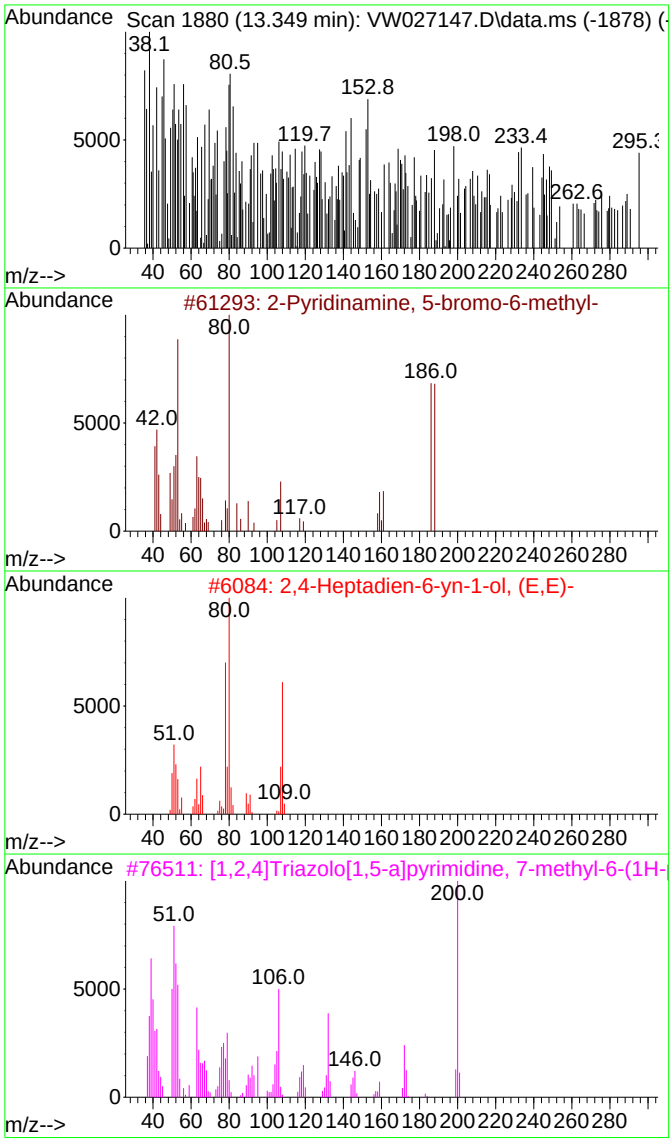
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

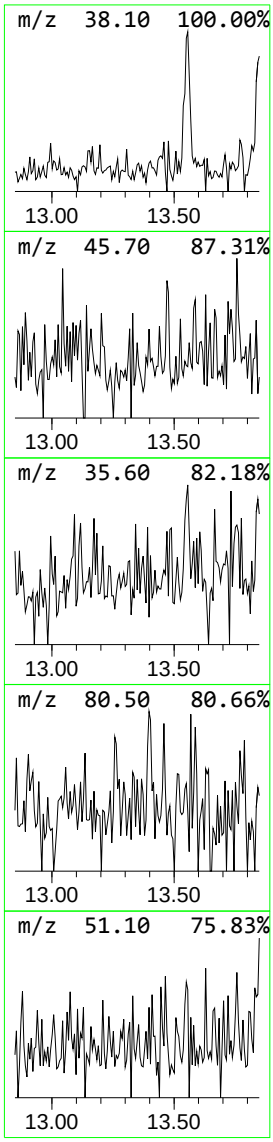
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 2-Pyridinamine, 5-bromo-6-m... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.349 | 1.78 ug/L | 16460 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pyridinamine, 5-bromo-6-methyl- | 186 | C6H7BrN2 | 042753-71-9 | 55 |
| 2 | 2,4-Heptadien-6-yn-1-ol, (E,E)- | 108 | C7H8O | 017098-71-4 | 43 |
| 3 | [1,2,4]Triazolo[1,5-a]pyrimidine... | 200 | C9H8N6 | 1000362-68-3 | 42 |
| 4 | 3-Methyl-2-propylcyclopent-2-en-... | 138 | C9H14O | 1000423-46-9 | 35 |
| 5 | Propionic acid, 3-phenyl-2-(pyrr... | 215 | C13H13NO2 | 1000304-65-9 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

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

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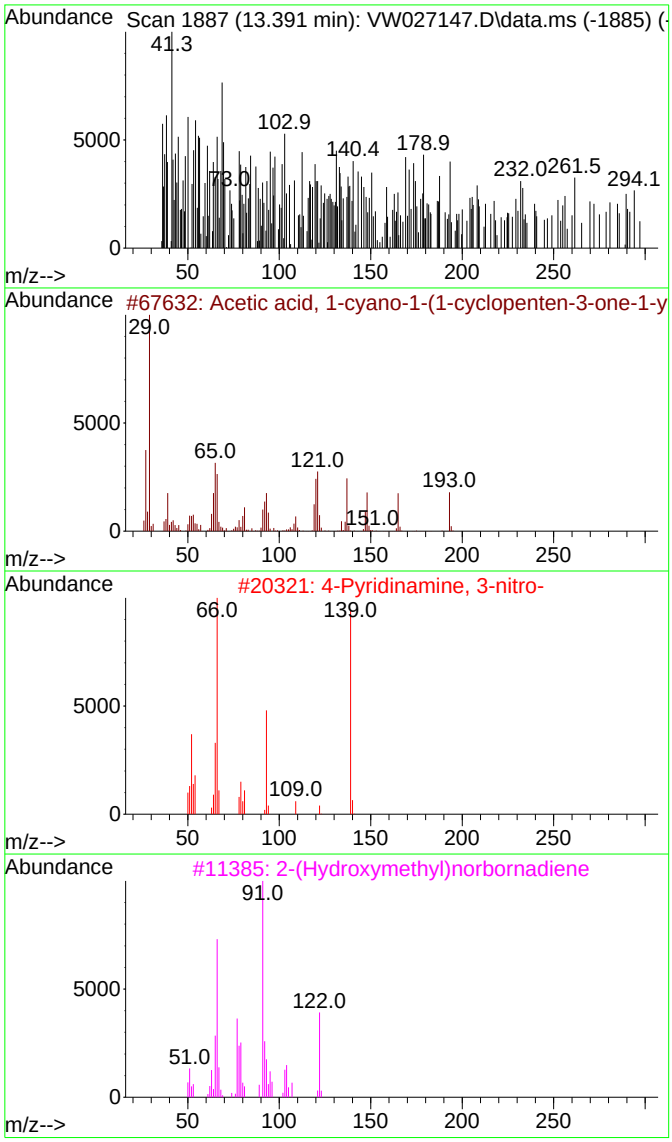
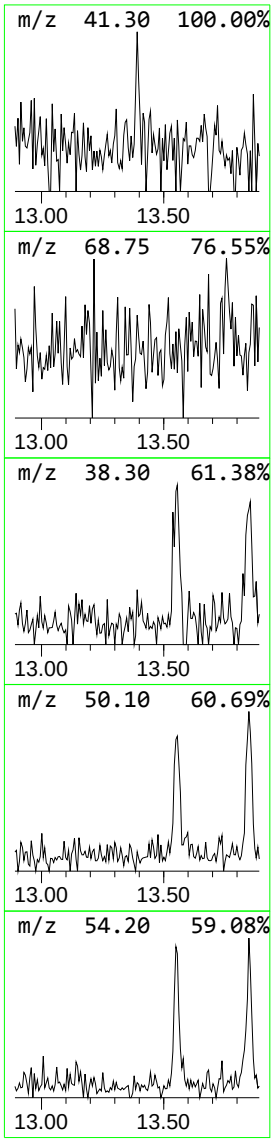
Peak Number 15 unknown-09 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.391 | 1.67 ug/L | 15459 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid, 1-cyano-1-(1-cyclop... | 193 | C10H11NO3 | 1000156-29-2 | 25 |
| 2 | 4-Pyridinamine, 3-nitro- | 139 | C5H5N3O2 | 001681-37-4 | 22 |
| 3 | 2-(Hydroxymethyl)norbornadiene | 122 | C8H10O | 067583-61-3 | 22 |
| 4 | p-Ethylthio-P-fluorothiophosphor... | 159 | C2H7FNPS2 | 1000311-29-9 | 18 |
| 5 | 1H-Pyrazole-5-carboxylic acid, 3... | 171 | C5H5N3O4 | 1000318-77-7 | 16 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

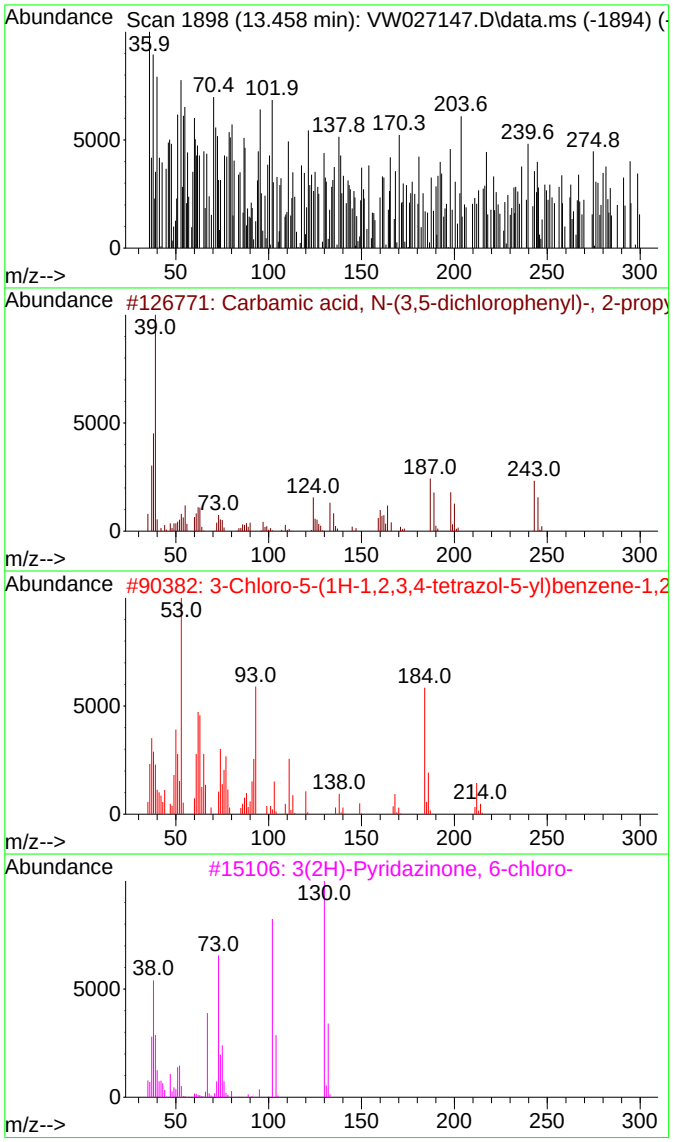
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

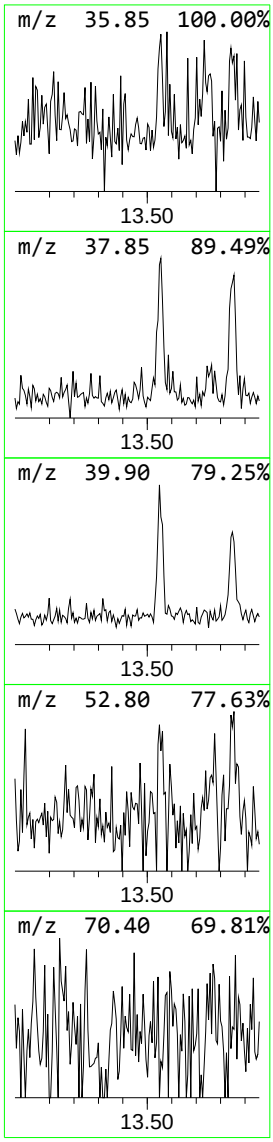
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Carbamic acid, N-(3,5-dichl... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.458 | 4.63 ug/L | 42917 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbamic acid, N-(3,5-dichloroph... | 243 | C10H7Cl2NO2 | 025216-52-8 | 56 |
| 2 | 3-Chloro-5-(1H-1,2,3,4-tetrazol-... | 212 | C7H5ClN4O2 | 1000409-86-2 | 43 |
| 3 | 3(2H)-Pyridazinone, 6-chloro- | 130 | C4H3ClN2O | 019064-67-6 | 38 |
| 4 | Costunolide | 232 | C15H20O2 | 000553-21-9 | 38 |
| 5 | 3-(5-Methylfuryl)-N-furamidoprop... | 262 | C13H14N2O4 | 331958-18-0 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

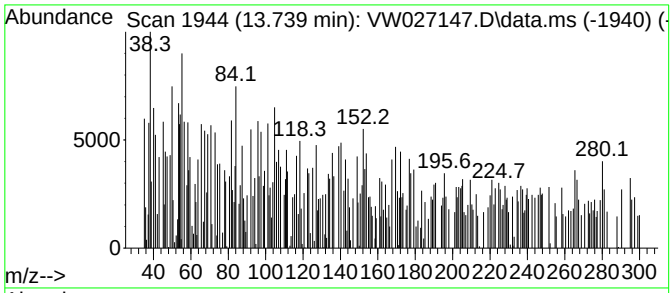
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

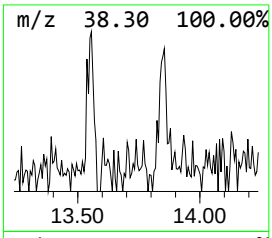
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

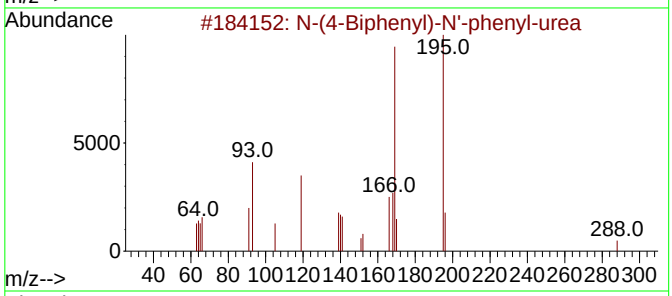
**********
Peak Number 17 N-(4-Biphenyl)-N'-phenyl-urea Concentration Rank 10

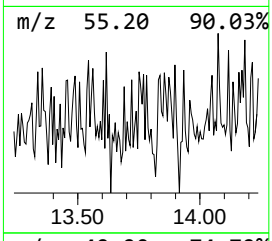
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.739 | 2.50 ug/L | 23198 | 1,4-Dichlorobenzene-d4 | 13.556 |

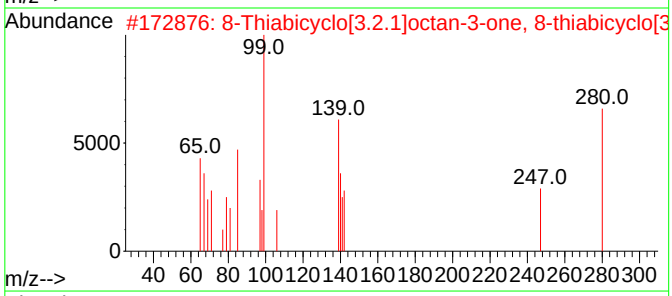
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N-(4-Biphenyl)-N'-phenyl-urea | 288 | C19H16N2O | 003185-71-5 | 50 |
| 2 | 8-Thiabicyclo[3.2.1]octan-3-one,... | 280 | C14H20N2S2 | 040697-29-8 | 47 |
| 3 | Methyl 12,13-tetradecadienoate | 238 | C15H26O2 | 1000336-33-7 | 43 |
| 4 | 3-(4'-Tolyl)-5-phenyl-4-nitroiso... | 280 | C16H12N2O3 | 066692-94-2 | 38 |
| 5 | 6-Methoxycarbonyl-7-oxo-4,7-dihy... | 195 | C6H5N5O3 | 057351-62-9 | 35 |

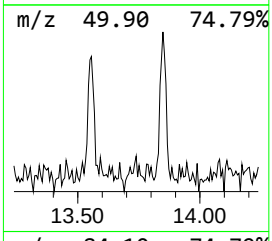


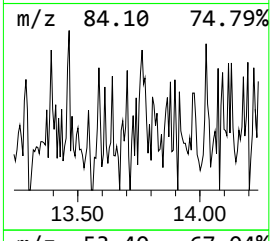



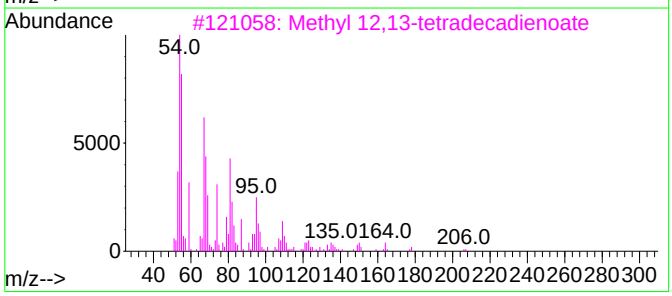



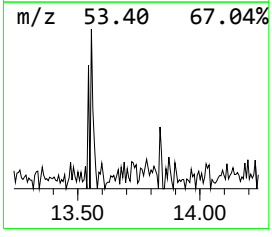



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

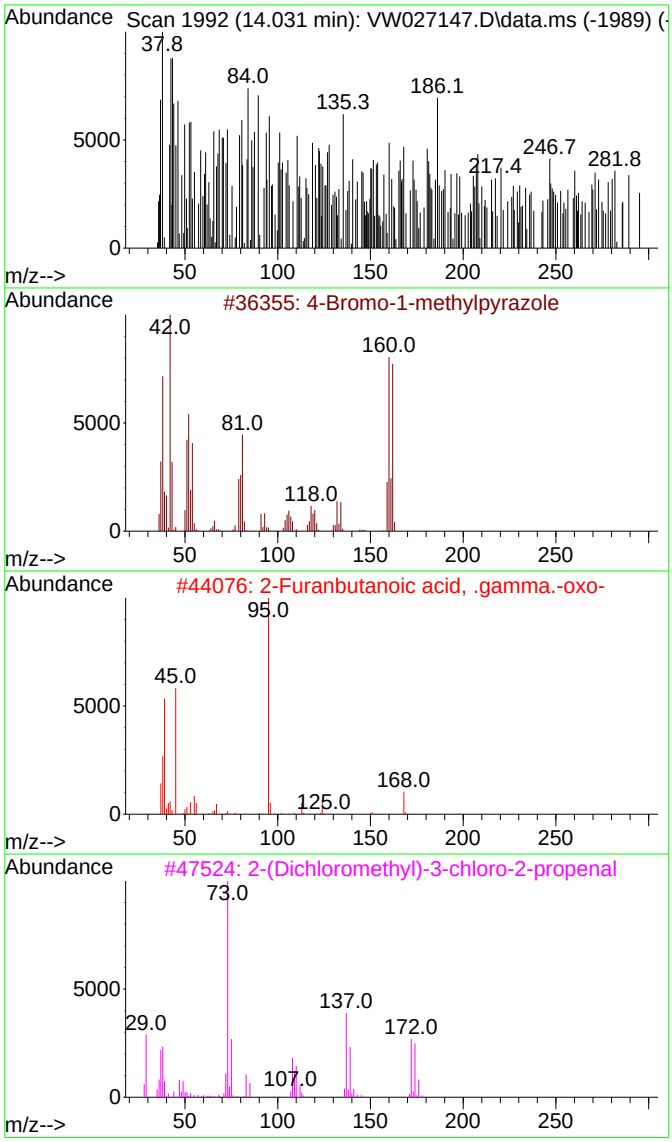
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

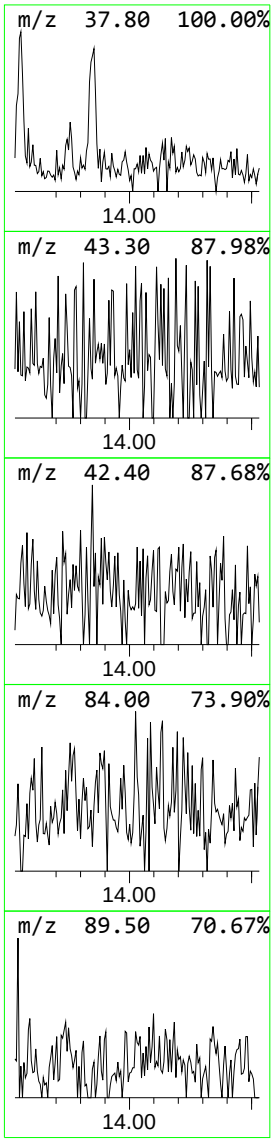
**********

Peak Number 18 unknown-10 Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.031 | 1.37 ug/L | 12655 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Bromo-1-methylpyrazole | 160 | C4H5BrN2 | 015803-02-8 | 47 |
| 2 | 2-Furanbutanoic acid, .gamma.-oxo- | 168 | C8H8O4 | 1000362-61-6 | 47 |
| 3 | 2-(Dichloromethyl)-3-chloro-2-pr... | 172 | C4H3Cl3O | 1000288-27-9 | 38 |
| 4 | 6-Oxo-1,6-dihydro-pyridazine-3-c... | 140 | C5H4N2O3 | 1000297-49-0 | 28 |
| 5 | 5-[4-azido-1,2,5-oxadiazol-3-yl]... | 179 | C3HN9O | 1000459-93-2 | 27 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

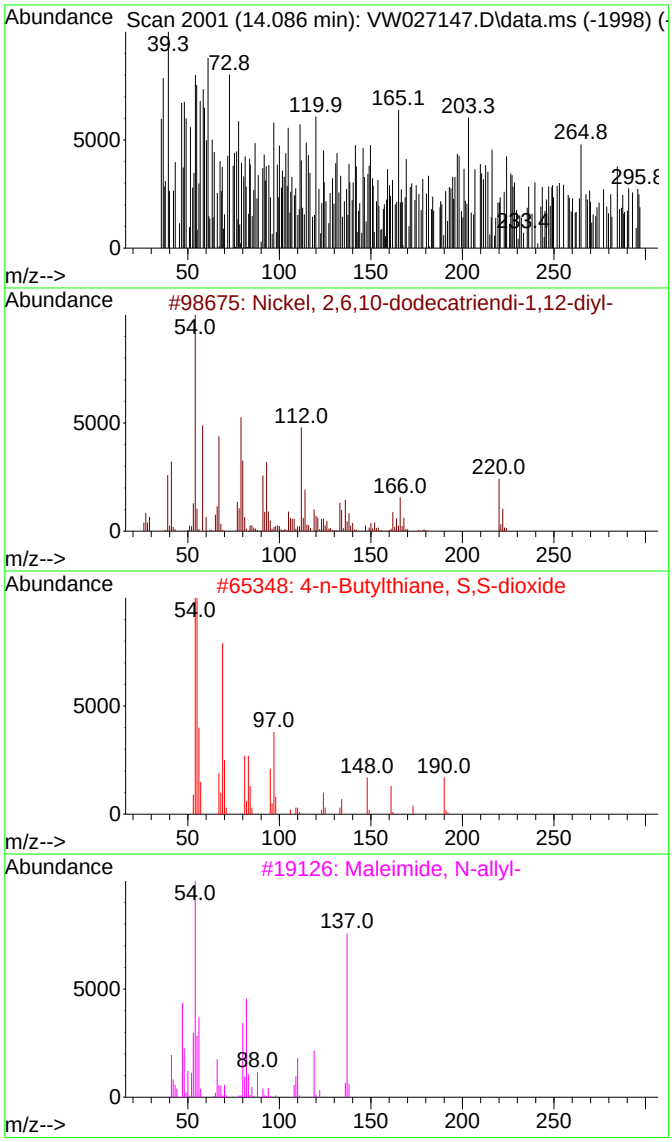
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

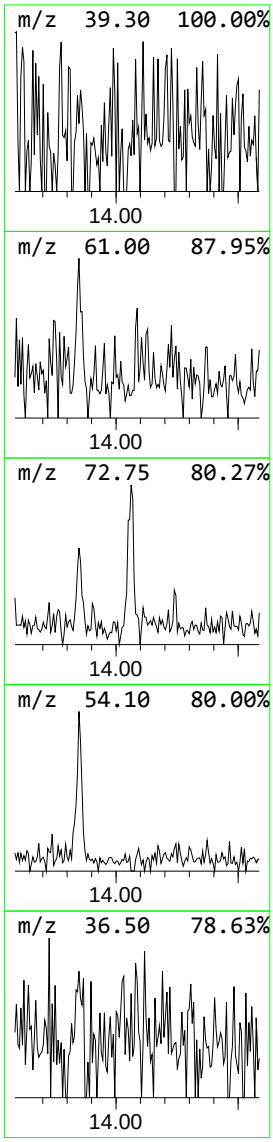
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 unknown-11 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.086 | 2.32 ug/L | 21503 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nickel, 2,6,10-dodecatriendi-1,1... | 220 | C12H18Ni | 039330-67-1 | 35 |
| 2 | 4-n-Butylthiane, S,S-dioxide | 190 | C9H18O2S | 070928-51-7 | 35 |
| 3 | Maleimide, N-allyl- | 137 | C7H7NO2 | 002973-17-3 | 25 |
| 4 | Cyclohexanone, O-methyloxime | 127 | C7H13NO | 013858-85-0 | 25 |
| 5 | Ethenamine, N-methyl-1-(methylth... | 148 | C4H8N2O2S | 061832-41-5 | 22 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

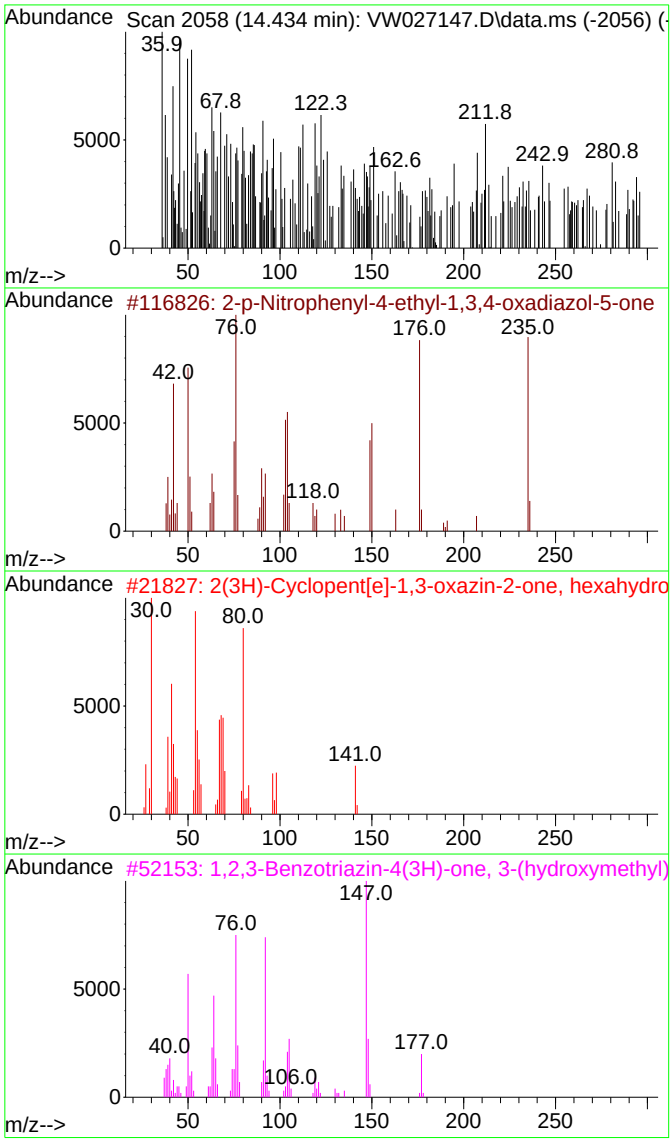
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

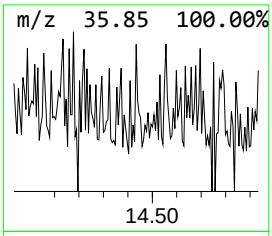
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 2-p-Nitrophenyl-4-ethyl-1,3... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.434 | 1.43 ug/L | 13233 | 1,4-Dichlorobenzene-d4 | 13.556 |

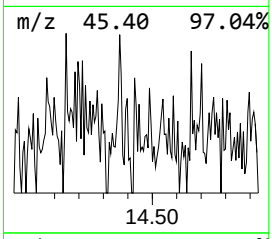
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-p-Nitrophenyl-4-ethyl-1,3,4-ox... | 235 | C10H9N3O4 | 1000144-38-8 | 60 |
| 2 | 2(3H)-Cyclopent[e]-1,3-oxazin-2-... | 141 | C7H11NO2 | 1000139-25-6 | 35 |
| 3 | 1,2,3-Benzotriazin-4(3H)-one, 3-... | 177 | C8H7N3O2 | 024310-40-5 | 30 |
| 4 | 2-[3-(3-Nitrophenyl)triaz-2-en-1... | 243 | C11H9N5O2 | 103862-47-1 | 30 |
| 5 | 1,2,3-Benzotriazin-4(1H)-one | 147 | C7H5N3O | 000090-16-4 | 27 |



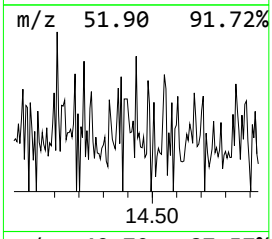


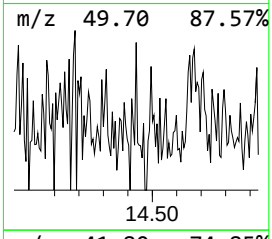






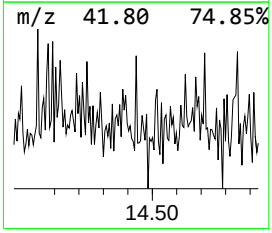










Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

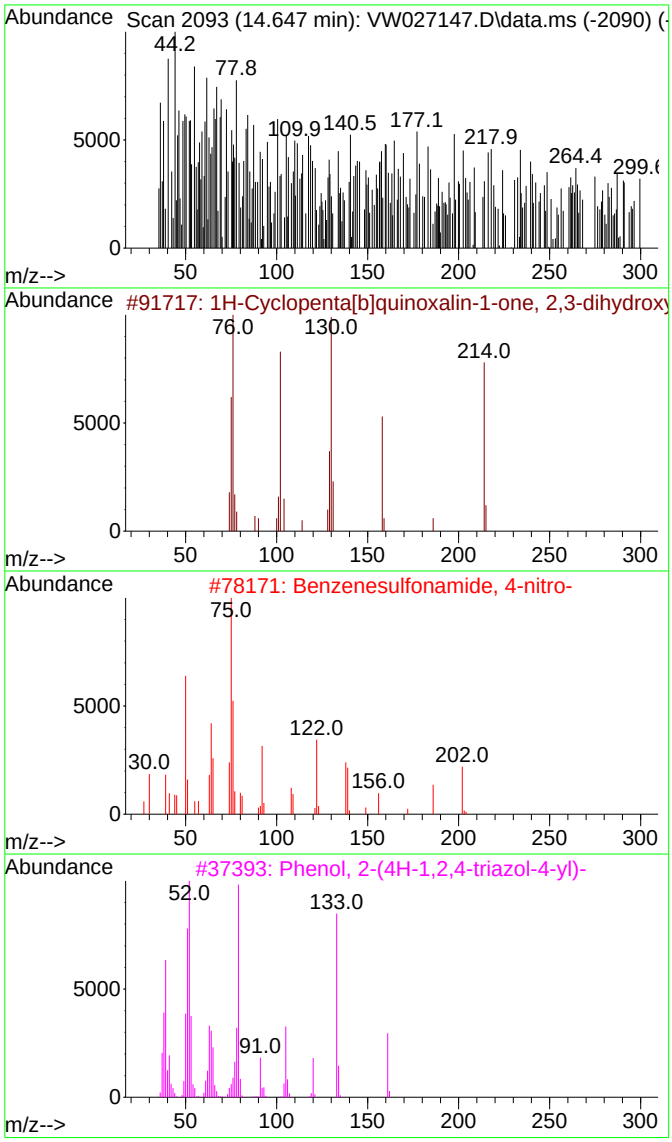
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

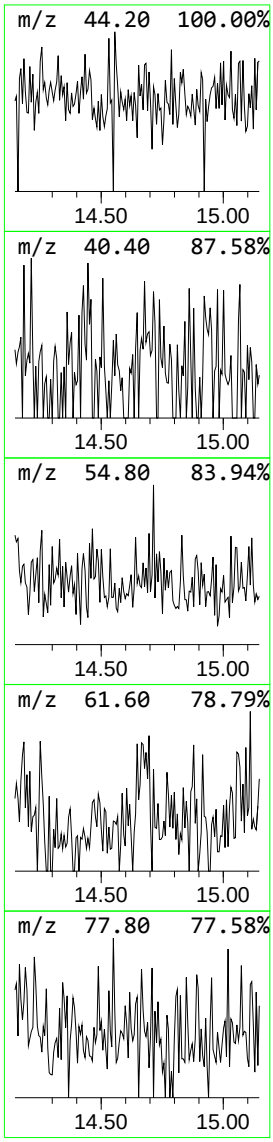
**********

Peak Number 21 unknown-12 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.647 | 2.80 ug/L | 25920 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopenta[b]quinoxalin-1-one... | 214 | C11H6N2O3 | 023774-23-4 | 30 |
| 2 | Benzenesulfonamide, 4-nitro- | 202 | C6H6N2O4S | 006325-93-5 | 25 |
| 3 | Phenol, 2-(4H-1,2,4-triazol-4-yl)- | 161 | C8H7N3O | 1000362-60-1 | 25 |
| 4 | Chromium, bis(.eta.6-benzene)- | 208 | C12H12Cr | 001271-54-1 | 22 |
| 5 | 1,4-Cyclohexadiene-1,2-dicarboxy... | 150 | C8H6O3 | 004773-89-1 | 11 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

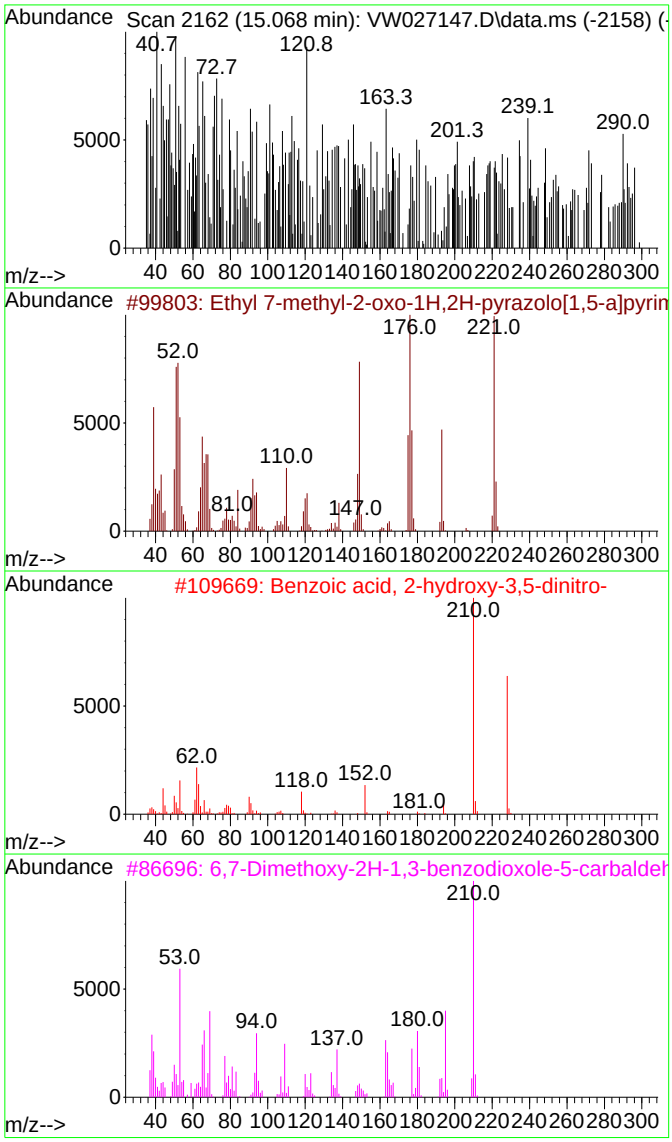
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

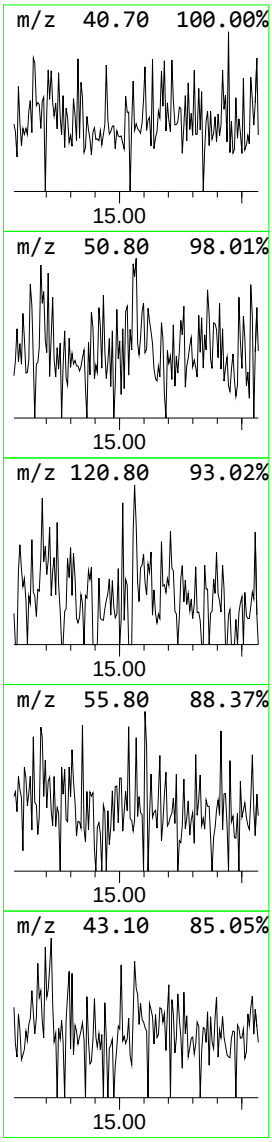
**********

Peak Number 22 unknown-13 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.068 | 4.95 ug/L | 45858 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl 7-methyl-2-oxo-1H,2H-pyraz... | 221 | C10H11N3O3 | 1000387-19-3 | 38 |
| 2 | Benzoic acid, 2-hydroxy-3,5-dini... | 228 | C7H4N2O7 | 000609-99-4 | 38 |
| 3 | 6,7-Dimethoxy-2H-1,3-benzodioxol... | 210 | C10H10O5 | 023731-65-9 | 38 |
| 4 | Phenol, 2-methylthioacetyl- | 182 | C9H10O2S | 056986-82-4 | 35 |
| 5 | Phenol, 2-chloro-4,6-dinitro- | 218 | C6H3ClN2O5 | 000946-31-6 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

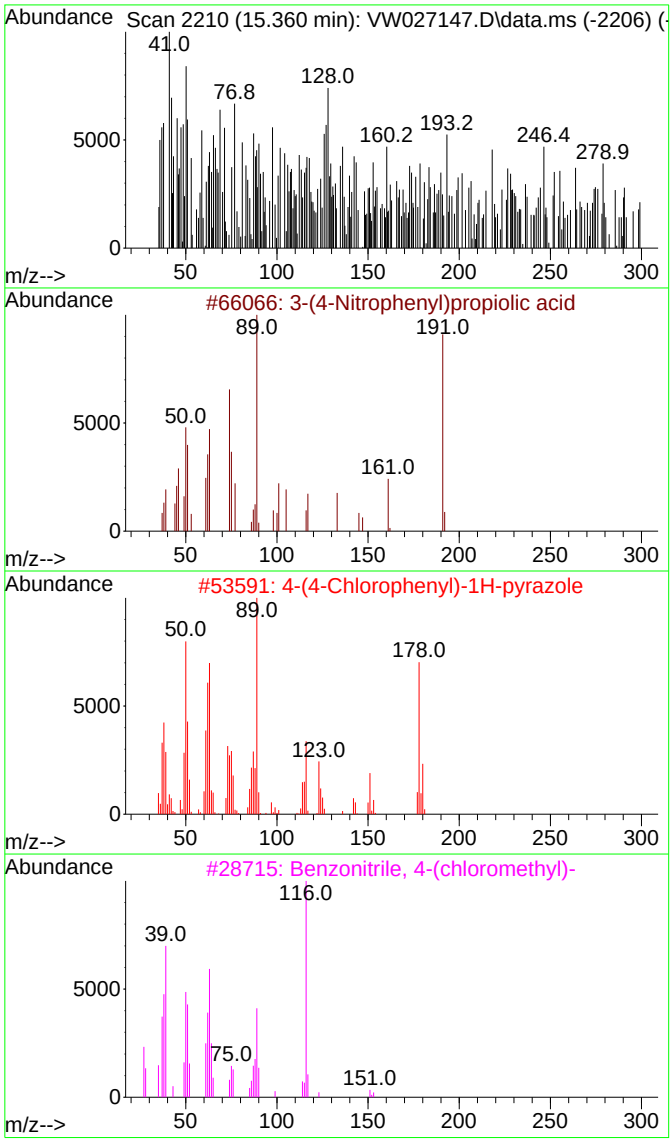
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

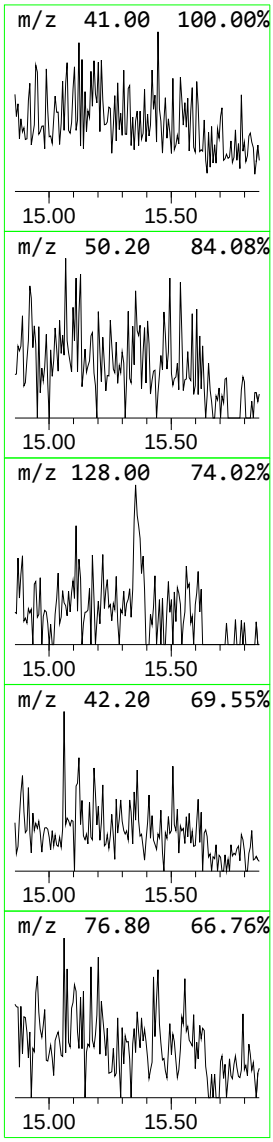
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 3-(4-Nitrophenyl)propiolic ... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.360 | 2.77 ug/L | 25618 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-(4-Nitrophenyl)propiolic acid | 191 | C9H5NO4 | 002216-24-2 | 91 |
| 2 | 4-(4-Chlorophenyl)-1H-pyrazole | 178 | C9H7ClN2 | 111016-47-8 | 55 |
| 3 | Benzonitrile, 4-(chloromethyl)- | 151 | C8H6ClN | 000874-86-2 | 52 |
| 4 | 1,3(2H,4H)-Isoquinolinedione, di... | 191 | C9H9N3O2 | 041536-78-1 | 50 |
| 5 | p,.beta.-Dinitrostyrene | 194 | C8H6N2O4 | 003156-41-0 | 45 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
Quant Title : SFAM01.0

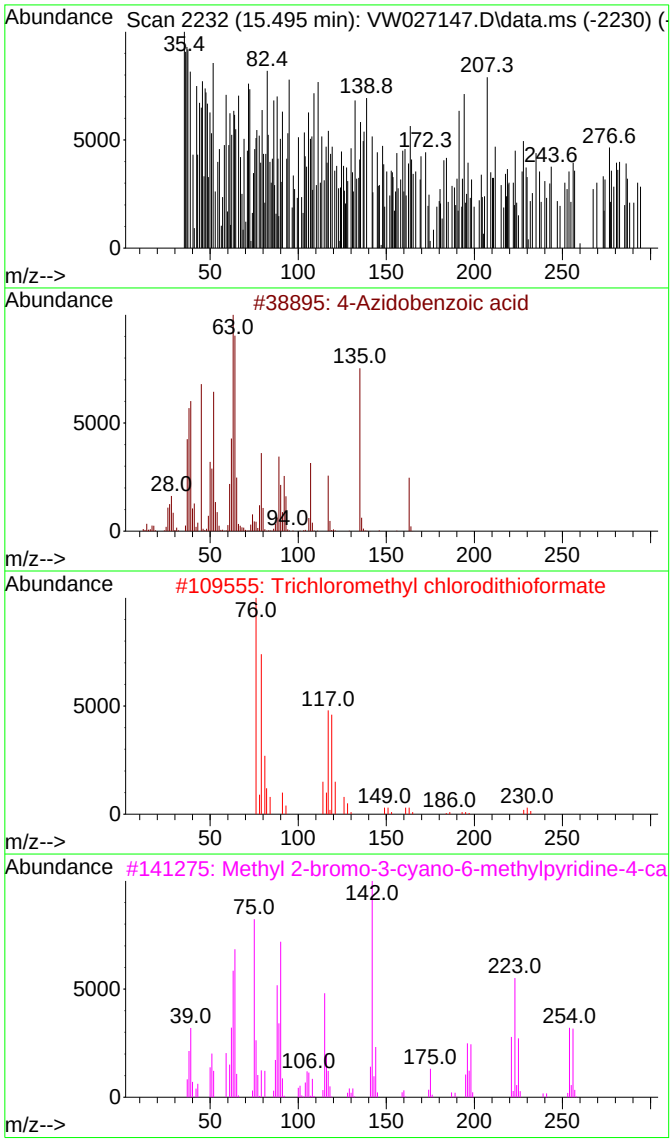
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

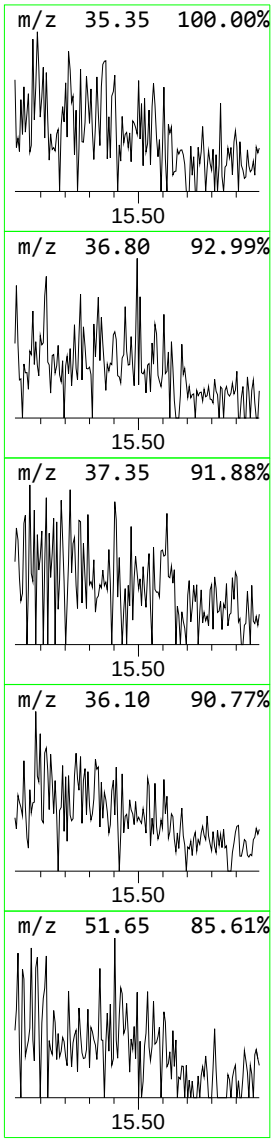
**********

Peak Number 24 unknown-14 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.495 | 2.50 ug/L | 23133 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Azidobenzoic acid | 163 | C7H5N3O2 | 006427-66-3 | 38 |
| 2 | Trichloromethyl chlorodithioformate | 228 | C2Cl4S2 | 091631-89-9 | 35 |
| 3 | Methyl 2-bromo-3-cyano-6-methylp... | 254 | C9H7BrN2O2 | 1000410-58-8 | 30 |
| 4 | Pyridinium, 1-(m-chloroanilino)-... | 204 | C11H9ClN2 | 031378-94-6 | 27 |
| 5 | Benzotriazol-1-carboxylic acid, ... | 207 | C9H9N3O3 | 211808-98-9 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
Data File : VW027147.D
Acq On : 19 Sep 2023 15:04
Operator : SY/MD
Sample : 04472-15
Misc : 5.68g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EZYM4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.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 | 2.972 | 1.9 | ug/L | 33944 | 1 | 8.843 | 451383 | 25.0 |
| (DEL) Alkane: S... | 5.947 | 2.5 | ug/L | 45650 | 1 | 8.843 | 451383 | 25.0 |
| unknown-02 | 11.081 | 1.5 | ug/L | 29320 | 2 | 11.629 | 487001 | 25.0 |
| unknown-03 | 11.325 | 1.7 | ug/L | 32435 | 2 | 11.629 | 487001 | 25.0 |
| 3-Chloro-5-(1H-... | 11.806 | 2.3 | ug/L | 45632 | 2 | 11.629 | 487001 | 25.0 |
| unknown-04 | 12.221 | 1.3 | ug/L | 24876 | 2 | 11.629 | 487001 | 25.0 |
| unknown-05 | 12.410 | 1.3 | ug/L | 24460 | 2 | 11.629 | 487001 | 25.0 |
| unknown-06 | 12.538 | 1.5 | ug/L | 29600 | 2 | 11.629 | 487001 | 25.0 |
| Benzonitrile, 4... | 12.629 | 2.2 | ug/L | 20557 | 3 | 13.556 | 231567 | 25.0 |
| unknown-07 | 12.769 | 4.6 | ug/L | 42529 | 3 | 13.556 | 231567 | 25.0 |
| 4-Ethynyl-1-met... | 13.001 | 1.5 | ug/L | 14184 | 3 | 13.556 | 231567 | 25.0 |
| unknown-08 | 13.129 | 4.1 | ug/L | 38095 | 3 | 13.556 | 231567 | 25.0 |
| 2-Pyridinamine,... | 13.349 | 1.8 | ug/L | 16460 | 3 | 13.556 | 231567 | 25.0 |
| unknown-09 | 13.391 | 1.7 | ug/L | 15459 | 3 | 13.556 | 231567 | 25.0 |
| Carbamic acid, ... | 13.458 | 4.6 | ug/L | 42917 | 3 | 13.556 | 231567 | 25.0 |
| N-(4-Biphenyl)-... | 13.739 | 2.5 | ug/L | 23198 | 3 | 13.556 | 231567 | 25.0 |
| unknown-10 | 14.031 | 1.4 | ug/L | 12655 | 3 | 13.556 | 231567 | 25.0 |
| unknown-11 | 14.086 | 2.3 | ug/L | 21503 | 3 | 13.556 | 231567 | 25.0 |
| 2-p-Nitrophenyl... | 14.434 | 1.4 | ug/L | 13233 | 3 | 13.556 | 231567 | 25.0 |
| unknown-12 | 14.647 | 2.8 | ug/L | 25920 | 3 | 13.556 | 231567 | 25.0 |
| unknown-13 | 15.068 | 5.0 | ug/L | 45858 | 3 | 13.556 | 231567 | 25.0 |
| 3-(4-Nitropheny... | 15.360 | 2.8 | ug/L | 25618 | 3 | 13.556 | 231567 | 25.0 |
| unknown-14 | 15.495 | 2.5 | ug/L | 23133 | 3 | 13.556 | 231567 | 25.0 |