

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
 Data File : VW026910.D  
 Acq On : 25 Aug 2023 22:15  
 Operator : SY/MD  
 Sample : 04157-24  
 Misc : 5.85g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DCHW3

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\SFAMWLM081023SMA.M  
 Title : SFAM01.0

Signal : TIC: VW026910.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.844       | 155           | 157         | 159          | rBV3     | 1779           | 1481          | 4.83%           | 0.455%        |
| 2         | 2.905       | 161           | 167         | 170          | rBV7     | 2985           | 5226          | 17.03%          | 1.606%        |
| 3         | 3.064       | 191           | 193         | 197          | rVB5     | 1966           | 2893          | 9.43%           | 0.889%        |
| 4         | 3.106       | 197           | 200         | 202          | rBV4     | 1536           | 1703          | 5.55%           | 0.523%        |
| 5         | 3.180       | 208           | 212         | 213          | rBV4     | 1629           | 1965          | 6.40%           | 0.604%        |
| 6         | 3.442       | 251           | 255         | 256          | rBV4     | 1636           | 2307          | 7.52%           | 0.709%        |
| 7         | 3.497       | 262           | 264         | 266          | rBV3     | 1537           | 1185          | 3.86%           | 0.364%        |
| 8         | 3.570       | 274           | 276         | 280          | rVB5     | 1889           | 2090          | 6.81%           | 0.642%        |
| 9         | 3.801       | 312           | 314         | 318          | rVB5     | 1401           | 1669          | 5.44%           | 0.513%        |
| 10        | 4.179       | 374           | 376         | 379          | rBV4     | 1470           | 1399          | 4.56%           | 0.430%        |
| 11        | 4.246       | 386           | 387         | 390          | rBV3     | 1569           | 1604          | 5.23%           | 0.493%        |
| 12        | 4.448       | 417           | 420         | 422          | rBV4     | 1213           | 1715          | 5.59%           | 0.527%        |
| 13        | 4.563       | 437           | 439         | 444          | rBV6     | 1058           | 1909          | 6.22%           | 0.587%        |
| 14        | 4.685       | 457           | 459         | 461          | rBV3     | 2206           | 1729          | 5.63%           | 0.531%        |
| 15        | 4.704       | 461           | 462         | 465          | rVB3     | 2004           | 1613          | 5.26%           | 0.496%        |
| 16        | 4.728       | 465           | 466         | 471          | rVB5     | 2036           | 2024          | 6.60%           | 0.622%        |
| 17        | 4.765       | 471           | 472         | 475          | rBV3     | 1284           | 1355          | 4.42%           | 0.416%        |
| 18        | 4.789       | 475           | 476         | 480          | rBV4     | 1800           | 1746          | 5.69%           | 0.536%        |
| 19        | 4.893       | 491           | 493         | 496          | rBV4     | 1783           | 2155          | 7.02%           | 0.662%        |
| 20        | 5.063       | 518           | 521         | 522          | rBV3     | 1329           | 1346          | 4.39%           | 0.414%        |
| 21        | 5.301       | 558           | 560         | 563          | rVB4     | 2076           | 1586          | 5.17%           | 0.487%        |
| 22        | 5.380       | 571           | 573         | 575          | rBV3     | 1537           | 1184          | 3.86%           | 0.364%        |
| 23        | 5.472       | 586           | 588         | 589          | rVB3     | 1885           | 1224          | 3.99%           | 0.376%        |
| 24        | 5.636       | 613           | 615         | 617          | rVV3     | 2328           | 1595          | 5.20%           | 0.490%        |
| 25        | 5.685       | 621           | 623         | 627          | rVB5     | 1665           | 2069          | 6.74%           | 0.636%        |
| 26        | 5.819       | 641           | 645         | 647          | rBV5     | 2401           | 2830          | 9.22%           | 0.870%        |
| 27        | 5.905       | 657           | 659         | 661          | rBV3     | 1307           | 1397          | 4.55%           | 0.429%        |
| 28        | 5.953       | 665           | 667         | 670          | rBV4     | 1703           | 1819          | 5.93%           | 0.559%        |
| 29        | 6.039       | 680           | 681         | 683          | rBV2     | 2097           | 1397          | 4.55%           | 0.429%        |
| 30        | 6.319       | 725           | 727         | 729          | rBV3     | 2331           | 2998          | 9.77%           | 0.921%        |
| 31        | 6.405       | 738           | 741         | 742          | rVB4     | 1807           | 1535          | 5.00%           | 0.472%        |
| 32        | 6.466       | 749           | 751         | 753          | rBV3     | 1797           | 1530          | 4.99%           | 0.470%        |
| 33        | 6.630       | 775           | 778         | 784          | rVB7     | 1654           | 2753          | 8.97%           | 0.846%        |
| 34        | 6.911       | 823           | 824         | 826          | rBV2     | 2129           | 1393          | 4.54%           | 0.428%        |
| 35        | 7.008       | 836           | 840         | 843          | rBV5     | 1501           | 2268          | 7.39%           | 0.697%        |
| 36        | 7.112       | 856           | 857         | 859          | rBV2     | 2065           | 1395          | 4.55%           | 0.429%        |

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Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Title : SFAM01.0

|    |       |     |     |     |      |      |      |        |        |
|----|-------|-----|-----|-----|------|------|------|--------|--------|
| 37 | 7.514 | 920 | 923 | 926 | rVV5 | 1184 | 1544 | 5.03%  | 0.474% |
| 38 | 7.648 | 941 | 945 | 949 | rBV4 | 4538 | 8362 | 27.25% | 2.569% |
| 39 | 7.813 | 971 | 972 | 975 | rBV3 | 1715 | 2035 | 6.63%  | 0.625% |
| 40 | 7.843 | 975 | 977 | 979 | rVB3 | 1799 | 1492 | 4.86%  | 0.458% |

|    |       |      |      |      |      |      |       |         |        |
|----|-------|------|------|------|------|------|-------|---------|--------|
| 41 | 7.880 | 979  | 983  | 986  | rBV6 | 1631 | 2973  | 9.69%   | 0.913% |
| 42 | 8.045 | 1009 | 1010 | 1014 | rBV4 | 2192 | 1745  | 5.69%   | 0.536% |
| 43 | 8.197 | 1033 | 1035 | 1037 | rVV3 | 1687 | 1620  | 5.28%   | 0.498% |
| 44 | 8.276 | 1041 | 1048 | 1058 | rBV3 | 8978 | 30686 | 100.00% | 9.429% |
| 45 | 8.465 | 1077 | 1079 | 1081 | rBV3 | 1607 | 1523  | 4.96%   | 0.468% |

|    |       |      |      |      |      |      |       |        |        |
|----|-------|------|------|------|------|------|-------|--------|--------|
| 46 | 8.557 | 1093 | 1094 | 1096 | rBV2 | 1396 | 1189  | 3.87%  | 0.365% |
| 47 | 8.709 | 1117 | 1119 | 1122 | rBV4 | 1131 | 1629  | 5.31%  | 0.501% |
| 48 | 8.849 | 1136 | 1142 | 1145 | rBV2 | 8086 | 17308 | 56.40% | 5.318% |
| 49 | 8.935 | 1155 | 1156 | 1160 | rVB4 | 1995 | 1570  | 5.12%  | 0.482% |
| 50 | 9.075 | 1178 | 1179 | 1181 | rVB2 | 2505 | 1473  | 4.80%  | 0.453% |

|    |       |      |      |      |      |      |       |        |        |
|----|-------|------|------|------|------|------|-------|--------|--------|
| 51 | 9.099 | 1181 | 1183 | 1184 | rBV2 | 1531 | 1419  | 4.62%  | 0.436% |
| 52 | 9.154 | 1191 | 1192 | 1194 | rBV2 | 1462 | 1205  | 3.93%  | 0.370% |
| 53 | 9.221 | 1201 | 1203 | 1206 | rBV4 | 1497 | 1844  | 6.01%  | 0.567% |
| 54 | 9.276 | 1206 | 1212 | 1217 | rBV6 | 7911 | 15163 | 49.41% | 4.659% |
| 55 | 9.361 | 1224 | 1226 | 1229 | rVB4 | 1375 | 1517  | 4.94%  | 0.466% |

|    |       |      |      |      |      |      |      |       |        |
|----|-------|------|------|------|------|------|------|-------|--------|
| 56 | 9.404 | 1232 | 1233 | 1238 | rVB5 | 1786 | 1999 | 6.51% | 0.614% |
| 57 | 9.514 | 1248 | 1251 | 1253 | rVB4 | 1727 | 1890 | 6.16% | 0.581% |
| 58 | 9.550 | 1253 | 1257 | 1259 | rBV5 | 1896 | 2855 | 9.30% | 0.877% |
| 59 | 9.581 | 1259 | 1262 | 1263 | rBV3 | 1345 | 1264 | 4.12% | 0.388% |
| 60 | 9.617 | 1266 | 1268 | 1270 | rVB3 | 1408 | 1272 | 4.15% | 0.391% |

|    |        |      |      |      |      |      |      |        |        |
|----|--------|------|------|------|------|------|------|--------|--------|
| 61 | 9.684  | 1274 | 1279 | 1282 | rBV7 | 1950 | 2834 | 9.24%  | 0.871% |
| 62 | 9.715  | 1282 | 1284 | 1286 | rBV3 | 2022 | 1192 | 3.88%  | 0.366% |
| 63 | 9.800  | 1296 | 1298 | 1300 | rBV3 | 1809 | 1742 | 5.68%  | 0.535% |
| 64 | 10.148 | 1351 | 1355 | 1356 | rBV4 | 1963 | 2514 | 8.19%  | 0.772% |
| 65 | 10.209 | 1361 | 1365 | 1370 | rVV8 | 1496 | 3308 | 10.78% | 1.016% |

|    |        |      |      |      |      |      |       |        |        |
|----|--------|------|------|------|------|------|-------|--------|--------|
| 66 | 10.258 | 1370 | 1373 | 1375 | rVB4 | 1755 | 1695  | 5.52%  | 0.521% |
| 67 | 10.331 | 1380 | 1385 | 1391 | rVB  | 9361 | 17718 | 57.74% | 5.444% |
| 68 | 10.495 | 1408 | 1412 | 1416 | rVB7 | 1328 | 1656  | 5.40%  | 0.509% |
| 69 | 10.562 | 1421 | 1423 | 1424 | rBV2 | 1811 | 1354  | 4.41%  | 0.416% |
| 70 | 10.672 | 1438 | 1441 | 1443 | rBV4 | 1151 | 1695  | 5.52%  | 0.521% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 71 | 10.703 | 1443 | 1446 | 1448 | rVV4 | 1980 | 2466 | 8.04% | 0.758% |
| 72 | 10.855 | 1470 | 1471 | 1473 | rBV2 | 1609 | 1428 | 4.65% | 0.439% |
| 73 | 11.203 | 1525 | 1528 | 1529 | rBV3 | 2269 | 1976 | 6.44% | 0.607% |
| 74 | 11.312 | 1542 | 1546 | 1549 | rBV6 | 2131 | 2799 | 9.12% | 0.860% |
| 75 | 11.459 | 1567 | 1570 | 1576 | rBV8 | 1291 | 2288 | 7.46% | 0.703% |

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 76 | 11.538 | 1581 | 1583 | 1584 | rBV2 | 1623 | 1332 | 4.34% | 0.409% |
|----|--------|------|------|------|------|------|------|-------|--------|

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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Peak Location: TOP

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |       |        |        |
|-----|--------|------|------|------|------|-------|-------|--------|--------|
| 77  | 11.629 | 1593 | 1598 | 1605 | rBV2 | 11023 | 19304 | 62.91% | 5.931% |
| 78  | 11.727 | 1611 | 1614 | 1616 | rBV4 | 2685  | 2684  | 8.75%  | 0.825% |
| 79  | 11.849 | 1632 | 1634 | 1636 | rVB3 | 1987  | 1830  | 5.96%  | 0.562% |
| 80  | 11.885 | 1636 | 1640 | 1642 | rBV5 | 1457  | 1925  | 6.27%  | 0.591% |
| 81  | 12.007 | 1656 | 1660 | 1663 | rBV6 | 2399  | 3929  | 12.80% | 1.207% |
| 82  | 12.233 | 1695 | 1697 | 1702 | rVV6 | 1925  | 2065  | 6.73%  | 0.634% |
| 83  | 12.276 | 1702 | 1704 | 1705 | rVV2 | 1962  | 1214  | 3.96%  | 0.373% |
| 84  | 12.306 | 1708 | 1709 | 1712 | rVV3 | 2001  | 1671  | 5.45%  | 0.513% |
| 85  | 12.465 | 1733 | 1735 | 1737 | rBV3 | 1265  | 1174  | 3.83%  | 0.361% |
| 86  | 12.690 | 1768 | 1772 | 1777 | rBV5 | 6366  | 12424 | 40.49% | 3.817% |
| 87  | 12.910 | 1806 | 1808 | 1811 | rBV4 | 1583  | 1347  | 4.39%  | 0.414% |
| 88  | 12.940 | 1811 | 1813 | 1814 | rBV2 | 1424  | 1389  | 4.53%  | 0.427% |
| 89  | 13.281 | 1867 | 1869 | 1871 | rBV3 | 2158  | 1981  | 6.46%  | 0.609% |
| 90  | 13.348 | 1877 | 1880 | 1881 | rBV3 | 1878  | 1195  | 3.89%  | 0.367% |
| 91  | 13.562 | 1910 | 1915 | 1920 | rVB2 | 9646  | 18597 | 60.60% | 5.714% |
| 92  | 13.854 | 1958 | 1963 | 1970 | rVB4 | 8218  | 14835 | 48.34% | 4.558% |
| 93  | 13.952 | 1977 | 1979 | 1981 | rVB3 | 1859  | 1505  | 4.90%  | 0.462% |
| 94  | 14.068 | 1995 | 1998 | 1999 | rBV3 | 1747  | 1747  | 5.69%  | 0.537% |
| 95  | 14.098 | 2001 | 2003 | 2006 | rBV4 | 1093  | 1295  | 4.22%  | 0.398% |
| 96  | 14.123 | 2006 | 2007 | 2009 | rBV2 | 1809  | 1497  | 4.88%  | 0.460% |
| 97  | 14.385 | 2047 | 2050 | 2052 | rBV4 | 1856  | 2765  | 9.01%  | 0.850% |
| 98  | 14.428 | 2056 | 2057 | 2061 | rBV4 | 2045  | 1718  | 5.60%  | 0.528% |
| 99  | 14.604 | 2084 | 2086 | 2089 | rBV4 | 2020  | 2196  | 7.16%  | 0.675% |
| 100 | 16.122 | 2331 | 2335 | 2339 | rBV7 | 2029  | 3511  | 11.44% | 1.079% |

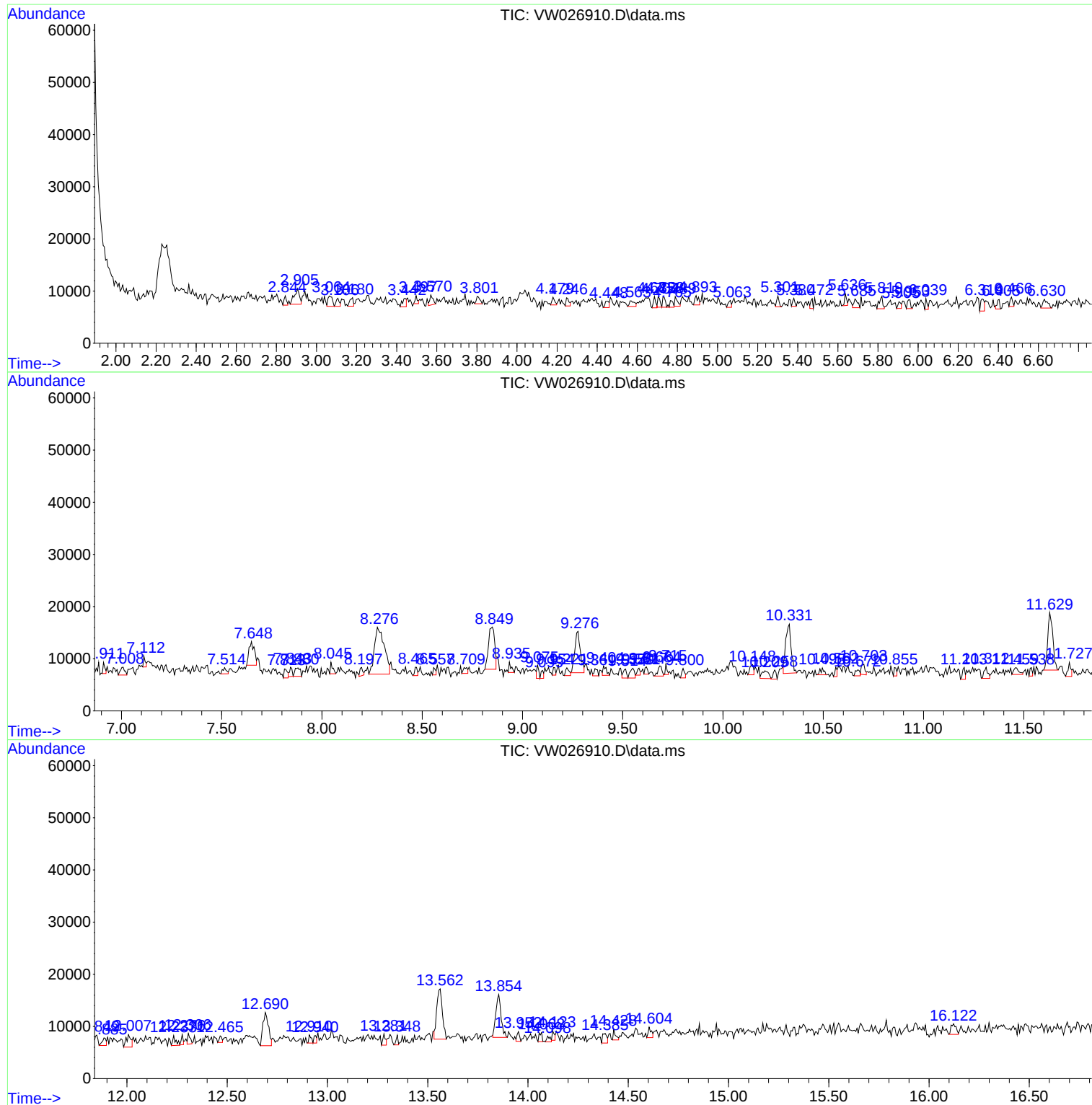
Sum of corrected areas: 325459

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0

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



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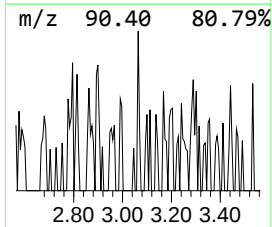
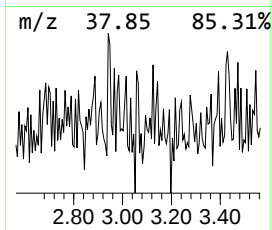
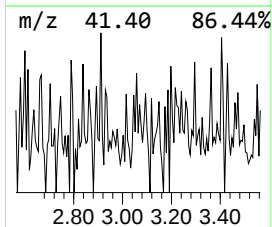
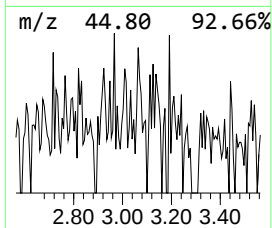
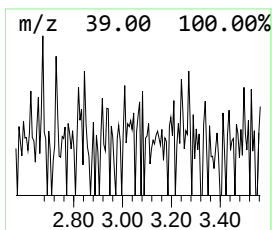
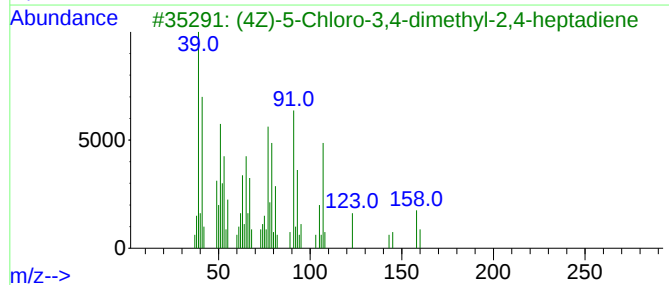
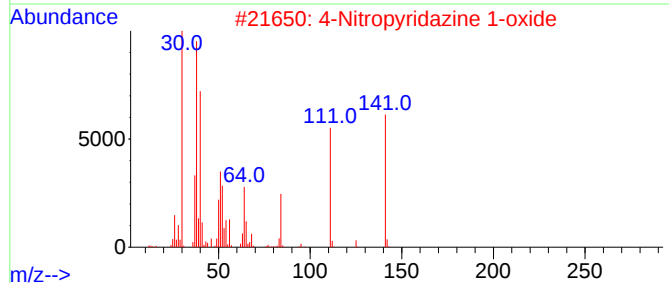
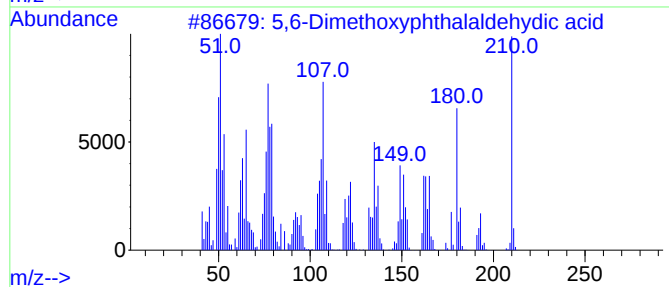
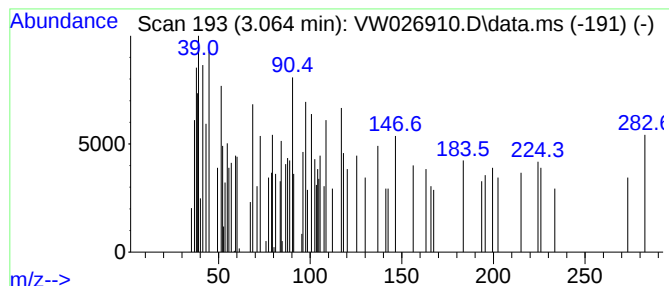
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 6

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 3.064 | 4.18 ug/L | 2893 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 5,6-Dimethoxyphthalaldehydic acid   | 210 | C10H10O5 | 000519-05-1  | 47   |
| 2    |    |   | 4-Nitropyridazine 1-oxide           | 141 | C4H3N3O3 | 028147-45-7  | 32   |
| 3    |    |   | (4Z)-5-Chloro-3,4-dimethyl-2,4-h... | 158 | C9H15Cl  | 105949-75-5  | 12   |
| 4    |    |   | 1,3,5-Trichloro-4-methyl-2-penta... | 202 | C6H9Cl3O | 1000140-03-8 | 12   |
| 5    |    |   | Germacynolobutane, 1,1-dibutyl-     | 230 | C11H24Ge | 001197-89-3  | 10   |



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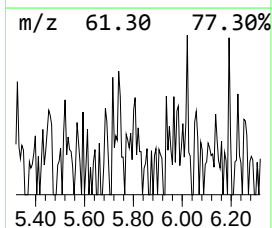
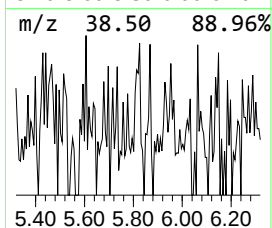
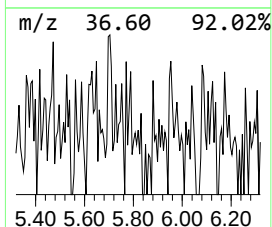
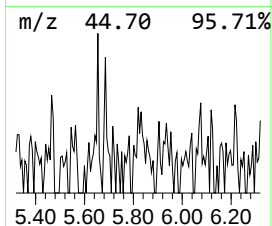
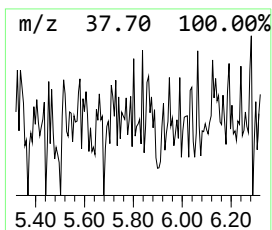
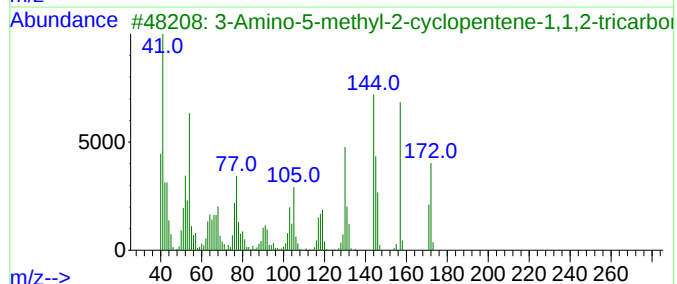
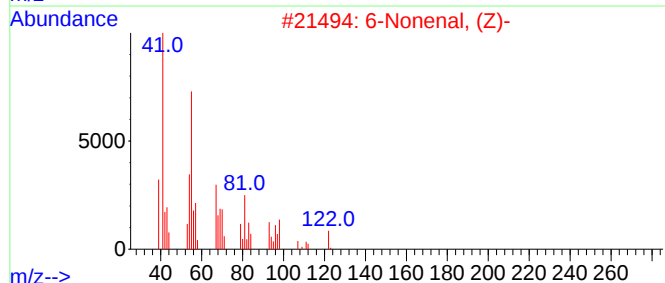
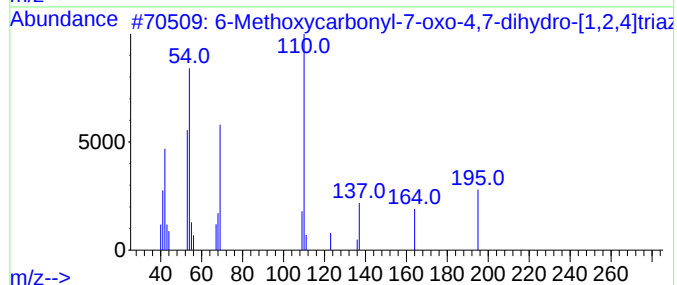
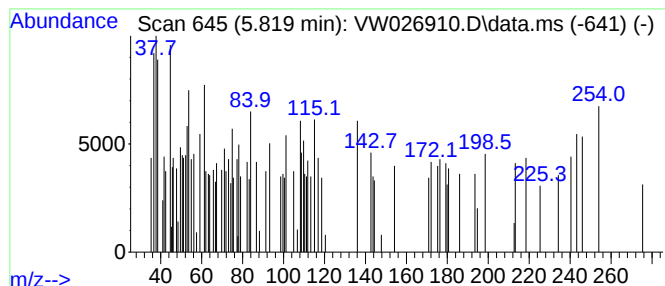
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 unknown-02 Concentration Rank 9

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 5.819 | 4.09 ug/L | 2830 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 6-Methoxycarbonyl-7-oxo-4,7-dihy... | 195 | C6H5N5O3     | 057351-62-9  | 30      |      |      |
| 2    | 6-Nonenal, (Z)-                     | 140 | C9H16O       | 002277-19-2  | 27      |      |      |
| 3    | 3-Amino-5-methyl-2-cyclopentene-... | 172 | C9H8N4       | 1000326-99-4 | 27      |      |      |
| 4    | Azacyclotridecan-2-one, 1-(3-ami... | 254 | C15H30N2O    | 064414-61-5  | 22      |      |      |
| 5    | 2,6-Diamino-4-hexenoic acid         | 156 | C7H12N2O2    | 1000130-37-6 | 16      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026910.D  
Acq On : 25 Aug 2023 22:15  
Operator : SY/MD  
Sample : 04157-24  
Misc : 5.85g/10mL/MSVOA\_W/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

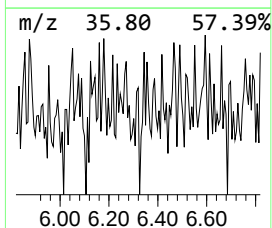
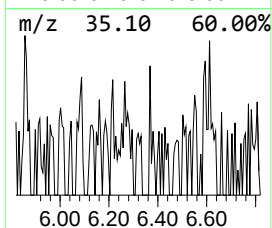
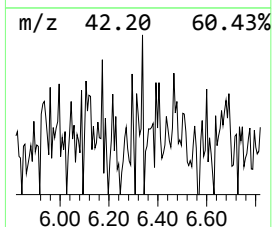
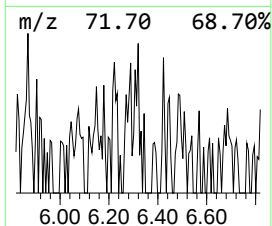
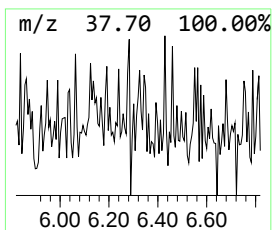
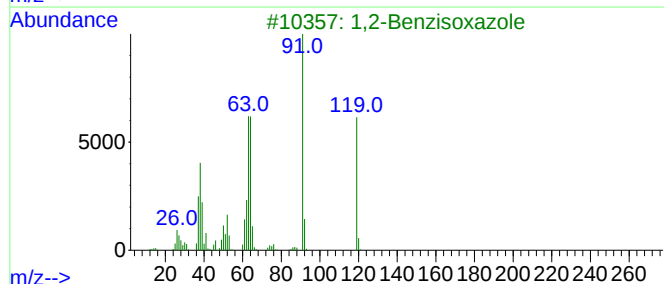
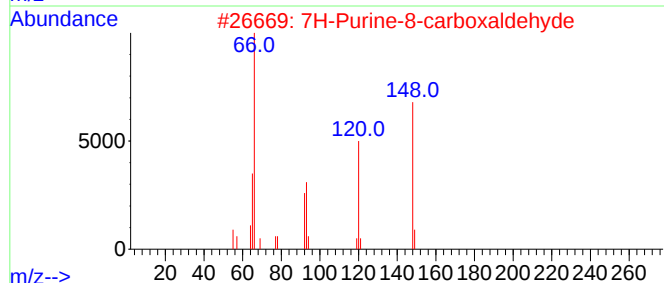
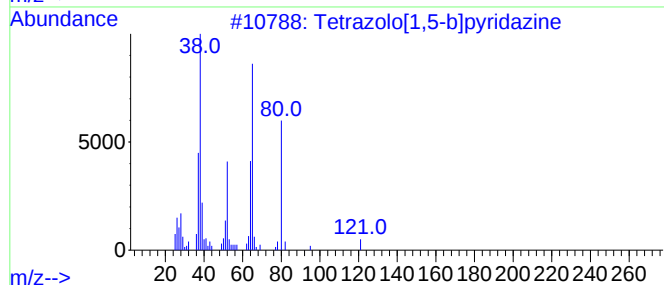
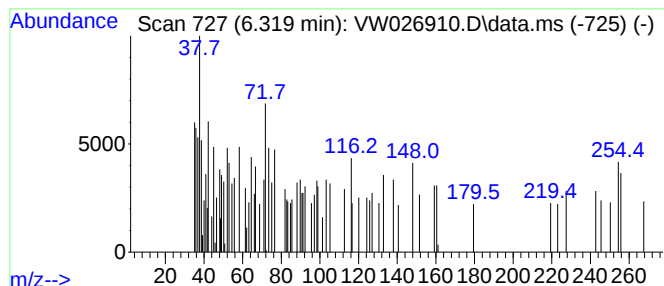
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 unknown-03 Concentration Rank 4

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 6.319 | 4.33 ug/L | 2998 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Tetrazolo[1,5-b]pyridazine          | 121 | C4H3N5    | 000274-89-5  | 37   |
| 2    |    |   | 7H-Purine-8-carboxaldehyde          | 148 | C6H4N4O   | 056805-26-6  | 25   |
| 3    |    |   | 1,2-Benzisoxazole                   | 119 | C7H5NO    | 000271-95-4  | 17   |
| 4    |    |   | 2H-1,4-Benzoxazin-3(4H)-one, 6-m... | 179 | C9H9NO3   | 1000362-63-6 | 12   |
| 5    |    |   | p-Ethylthio-P-fluorothiophosphor... | 159 | C2H7FNPS2 | 1000311-29-9 | 10   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026910.D  
Acq On : 25 Aug 2023 22:15  
Operator : SY/MD  
Sample : 04157-24  
Misc : 5.85g/10mL/MSVOA\_W/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

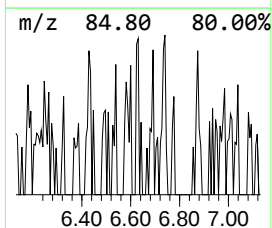
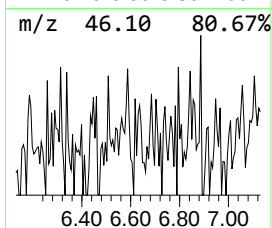
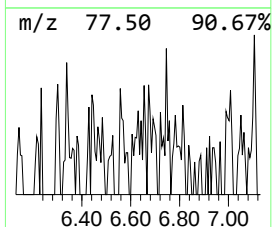
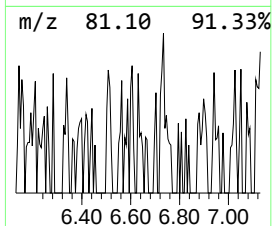
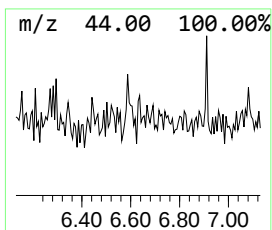
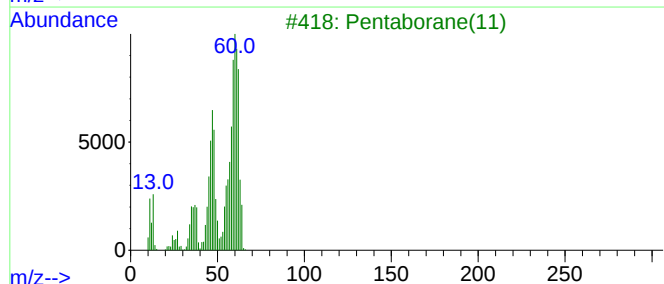
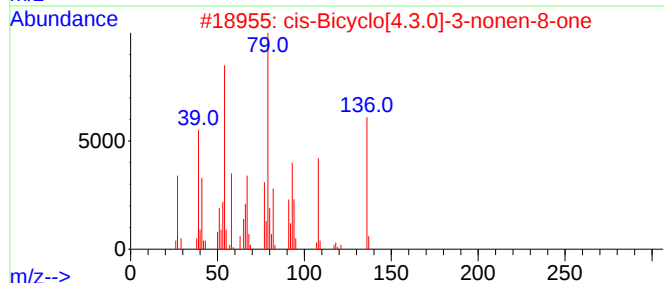
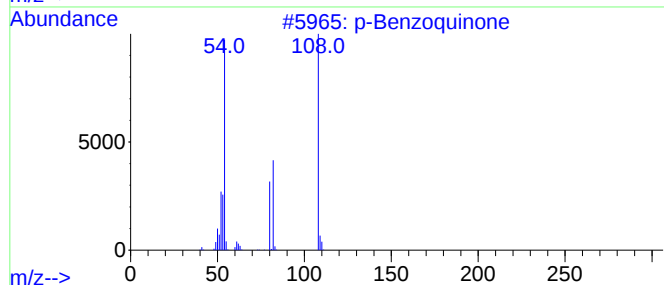
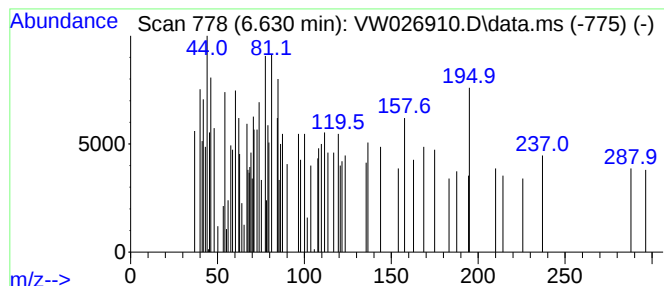
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 4 unknown-04 Concentration Rank 10

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 6.630 | 3.98 ug/L | 2753 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | p-Benzoquinone                   | 108 | C6H4O2  | 000106-51-4 | 38   |
| 2    |    |   | cis-Bicyclo[4.3.0]-3-nonen-8-one | 136 | C9H12O  | 025886-63-9 | 25   |
| 3    |    |   | Pentaborane(11)                  | 66  | B5H11   | 018433-84-6 | 22   |
| 4    |    |   | p-Benzoquinone                   | 108 | C6H4O2  | 000106-51-4 | 22   |
| 5    |    |   | 3-Nonen-2-ol, (E)-               | 142 | C9H18O  | 038285-42-6 | 14   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026910.D  
Acq On : 25 Aug 2023 22:15  
Operator : SY/MD  
Sample : 04157-24  
Misc : 5.85g/10mL/MSVOA\_W/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0

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

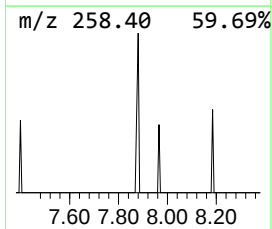
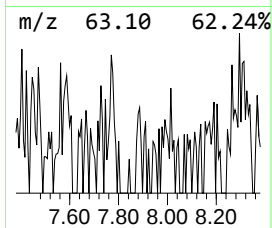
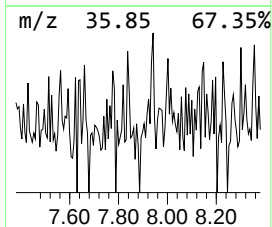
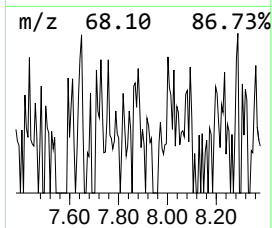
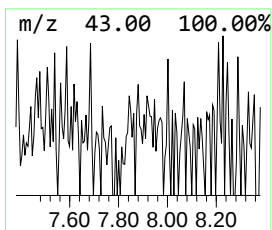
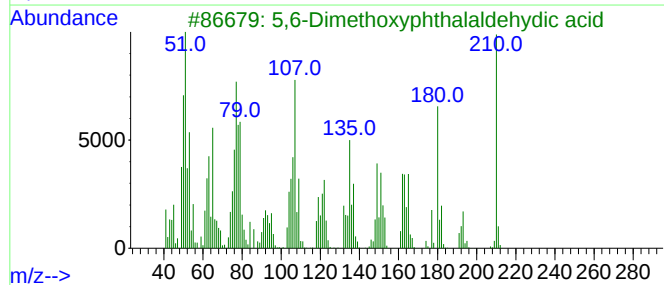
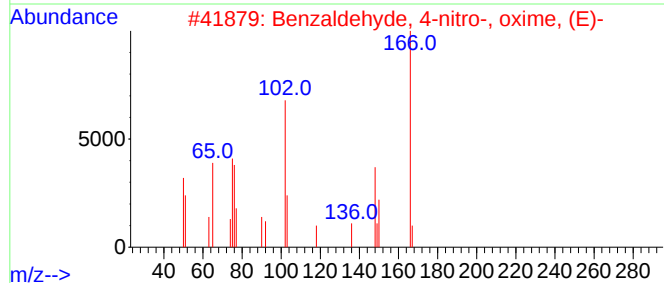
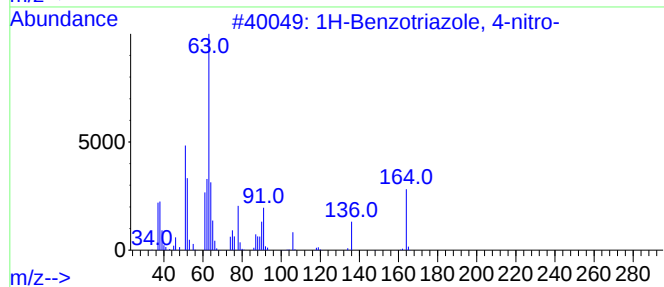
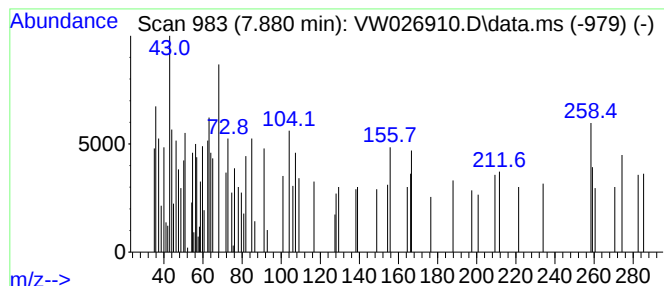
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Peak Number 5 unknown-05 Concentration Rank 5

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 7.880 | 4.29 ug/L | 2973 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 1H-Benzotriazole, 4-nitro-          | 164 | C6H4N4O2    | 006299-39-4  | 27   |
| 2    |    |   | Benzaldehyde, 4-nitro-, oxime, (E)- | 166 | C7H6N2O3    | 003717-19-9  | 25   |
| 3    |    |   | 5,6-Dimethoxyphthalaldehydic acid   | 210 | C10H10O5    | 000519-05-1  | 22   |
| 4    |    |   | Ethoxzolamide                       | 258 | C9H10N2O3S2 | 000452-35-7  | 22   |
| 5    |    |   | N-(.alpha.-Methyl-4-nitrobenzyl)-   | 299 | C15H13N3O4  | 1000223-36-2 | 14   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026910.D  
Acq On : 25 Aug 2023 22:15  
Operator : SY/MD  
Sample : 04157-24  
Misc : 5.85g/10mL/MSVOA\_W/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

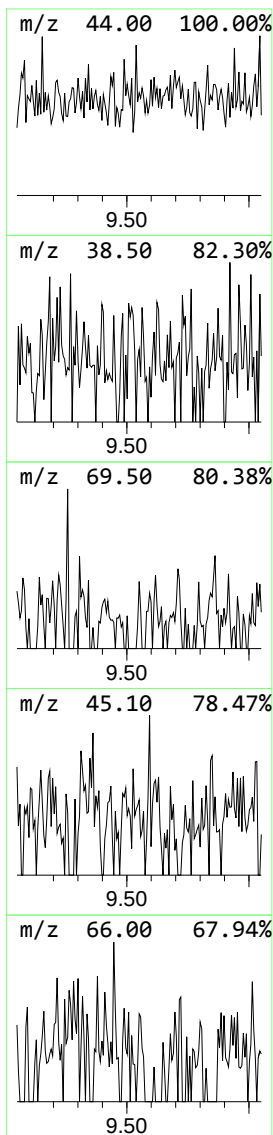
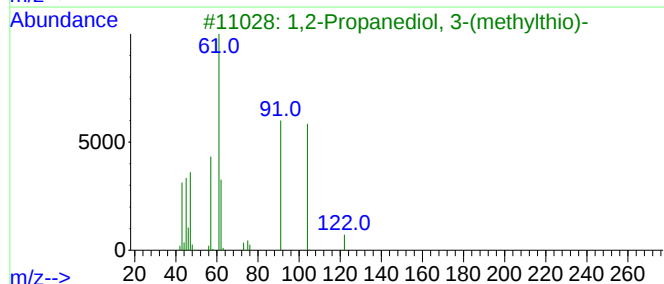
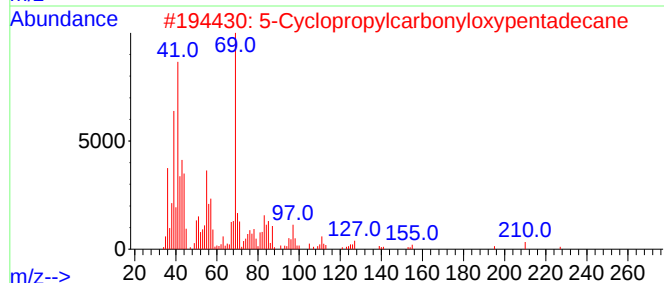
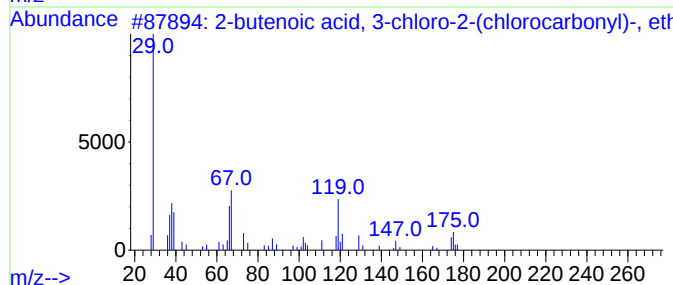
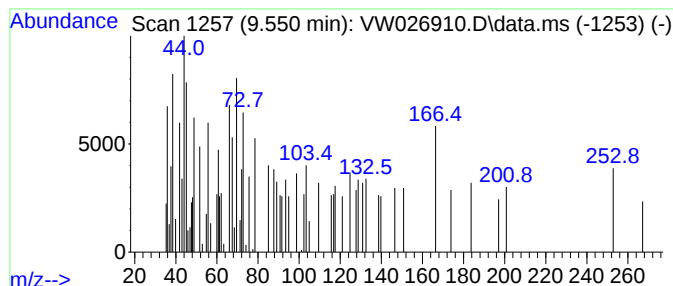
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Quant Title : SFAM01.0

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

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Peak Number 6 unknown-06 Concentration Rank 7

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 9.550 | 4.12 ug/L | 2855 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-butenic acid, 3-chloro-2-(chl...  | 210 | C7H8Cl2O3    | 1000396-15-4 | 37      |      |      |
| 2    | 5-Cyclopropylcarbonyloxypentadecane | 296 | C19H36O2     | 1000245-59-2 | 12      |      |      |
| 3    | 1,2-Propanediol, 3-(methylthio)-    | 122 | C4H10O2S     | 022551-26-4  | 10      |      |      |
| 4    | 4-Quinolinecarboxylic acid, 2-ch... | 207 | C10H6ClNO2   | 005467-57-2  | 10      |      |      |
| 5    | 2-Cyclopropylcarbonyloxytetradecane | 282 | C18H34O2     | 060128-40-7  | 10      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026910.D  
Acq On : 25 Aug 2023 22:15  
Operator : SY/MD  
Sample : 04157-24  
Misc : 5.85g/10mL/MSVOA\_W/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

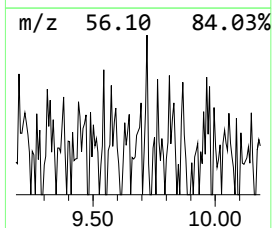
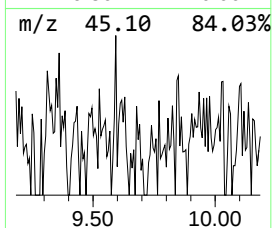
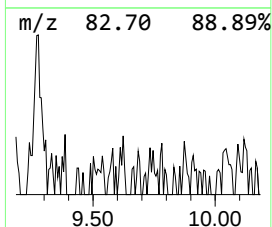
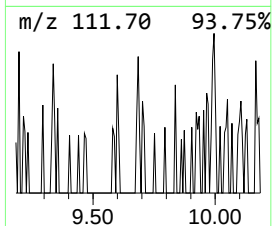
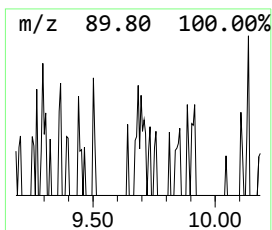
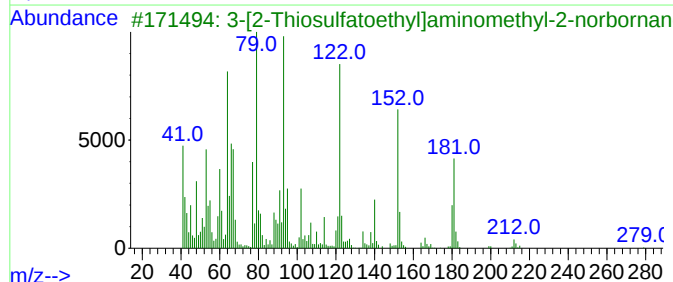
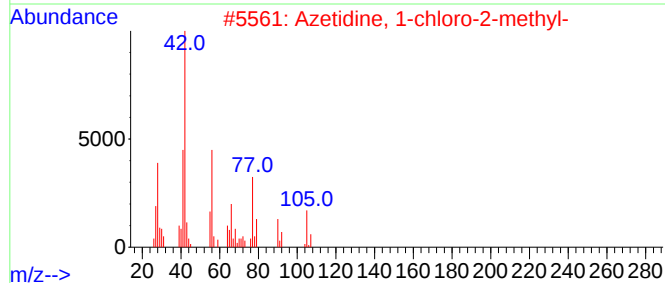
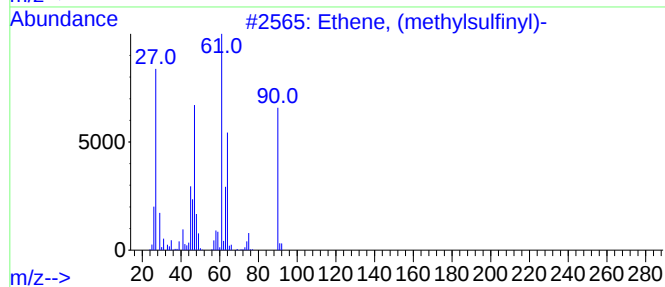
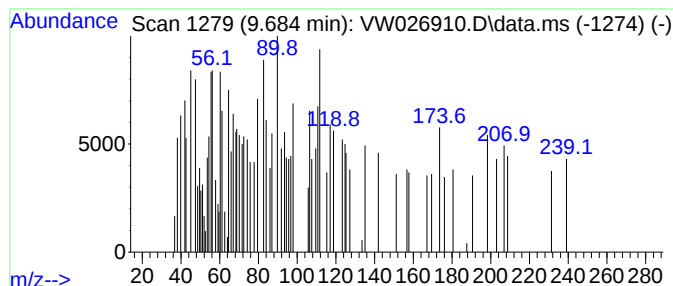
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 7 unknown-07 Concentration Rank 8

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 9.684 | 4.09 ug/L | 2834 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Ethene, (methylsulfinyl)-           | 90  | C3H6OS      | 010258-86-3  | 32   |
| 2    |    |   | Azetidine, 1-chloro-2-methyl-       | 105 | C4H8ClN     | 038382-62-6  | 25   |
| 3    |    |   | 3-[2-Thiosulfatoethyl]aminomethy... | 279 | C10H17NO4S2 | 1000257-11-5 | 22   |
| 4    |    |   | 1-Propene, 3-chloro-2-methyl-       | 90  | C4H7Cl      | 000563-47-3  | 22   |
| 5    |    |   | (3-Oxo-1H-indazol-2-yl)acetic acid  | 192 | C9H8N2O3    | 064697-24-1  | 12   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026910.D  
Acq On : 25 Aug 2023 22:15  
Operator : SY/MD  
Sample : 04157-24  
Misc : 5.85g/10mL/MSVOA\_W/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

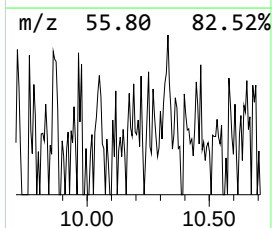
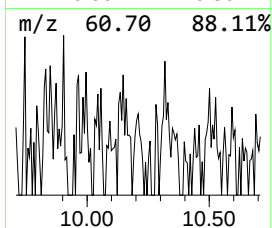
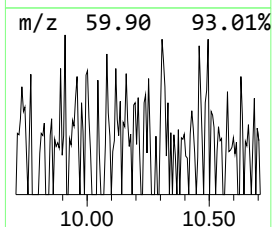
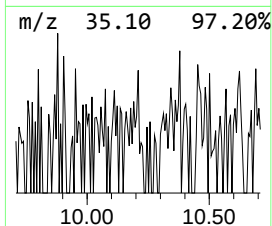
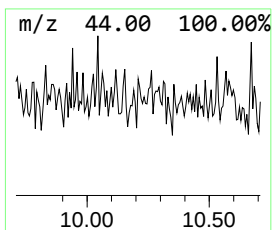
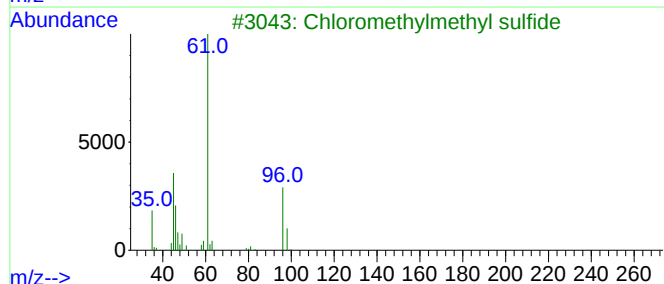
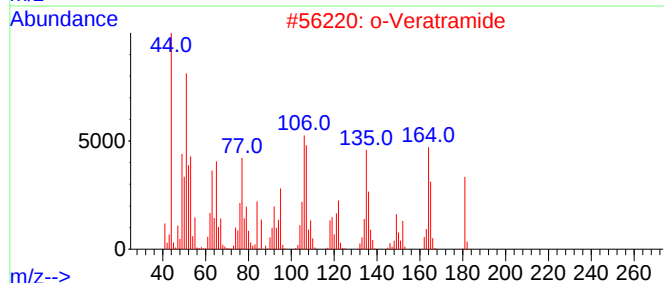
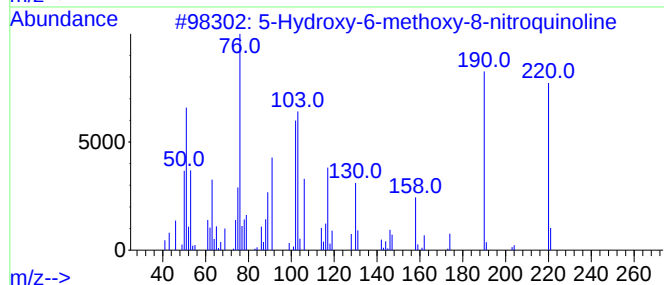
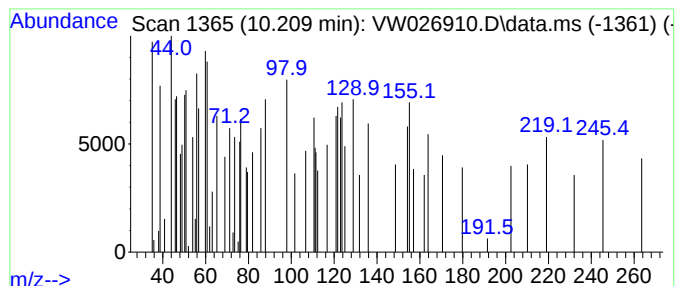
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 8 unknown-08 Concentration Rank 2

| R.T.   | EstConc   | Area | Relative to ISTD    | R.T.  |
|--------|-----------|------|---------------------|-------|
| 10.209 | 4.78 ug/L | 3308 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 5-Hydroxy-6-methoxy-8-nitroquino... | 220 | C10H8N2O4 | 005323-58-0 | 38   |
| 2    |    |   | o-Veratramide                       | 181 | C9H11NO3  | 001521-39-7 | 25   |
| 3    |    |   | Chloromethylmethyl sulfide          | 96  | C2H5C1S   | 002373-51-5 | 16   |
| 4    |    |   | 1,4-Benzodioxin, 2,3-dihydro-6-n... | 181 | C8H7NO4   | 016498-20-7 | 14   |
| 5    |    |   | Chloromethylmethyl sulfide          | 96  | C2H5C1S   | 002373-51-5 | 12   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
Data File : VW026910.D  
Acq On : 25 Aug 2023 22:15  
Operator : SY/MD  
Sample : 04157-24  
Misc : 5.85g/10mL/MSVOA\_W/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

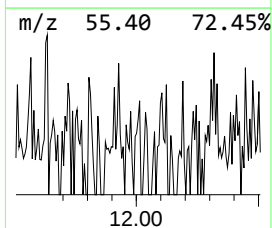
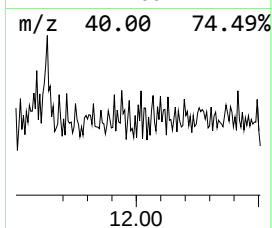
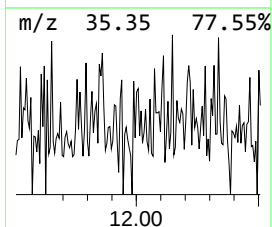
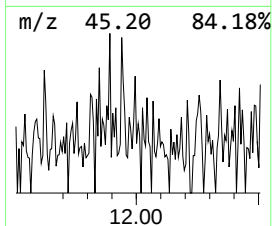
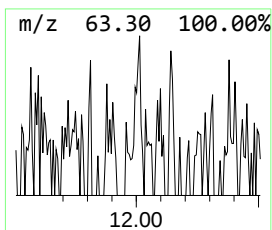
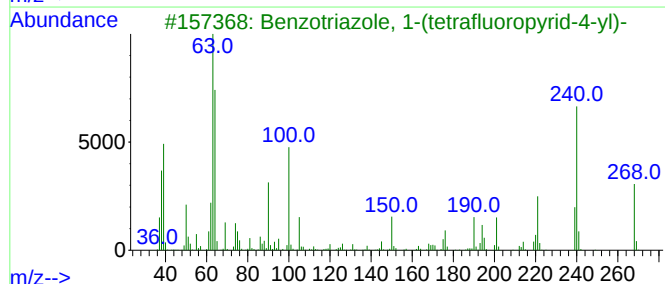
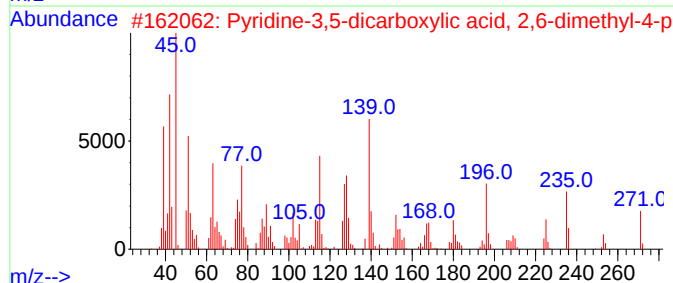
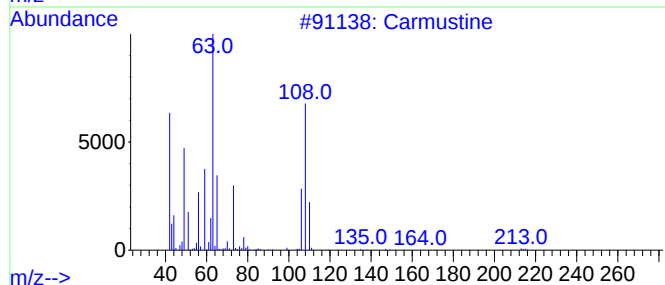
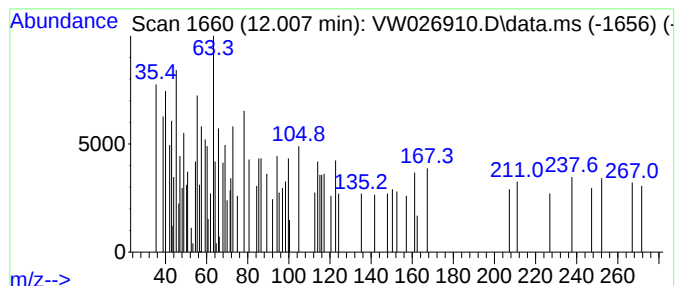
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Quant Title : SFAM01.0

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

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Peak Number 9 unknown-09 Concentration Rank 1

| R.T.   | EstConc   | Area | Relative to ISTD | R.T.   |
|--------|-----------|------|------------------|--------|
| 12.007 | 5.09 ug/L | 3929 | Chlorobenzene-d5 | 11.629 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Carmustine                          | 213 | C5H9Cl2N3O2 | 000154-93-8  | 32   |
| 2    |    |   | Pyridine-3,5-dicarboxylic acid, ... | 271 | C15H13NO4   | 1000295-65-6 | 16   |
| 3    |    |   | Benzotriazole, 1-(tetrafluoropyr... | 268 | C11H4F4N4   | 039066-47-2  | 16   |
| 4    |    |   | Methanesulfinyl chloride            | 98  | CH3ClOS     | 000676-85-7  | 14   |
| 5    |    |   | Benzonitrile, N-oxide               | 119 | C7H5NO      | 000873-67-6  | 14   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082523\  
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Sample : 04157-24  
Misc : 5.85g/10mL/MSVOA\_W/SOIL  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

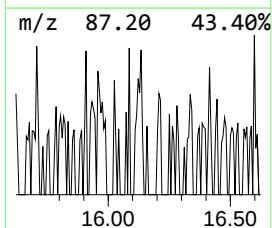
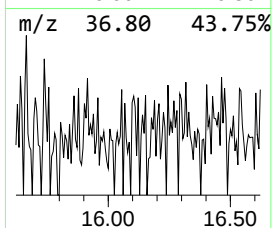
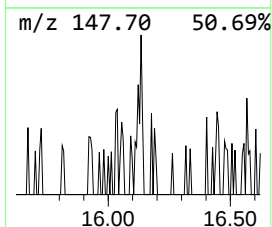
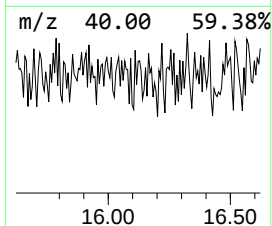
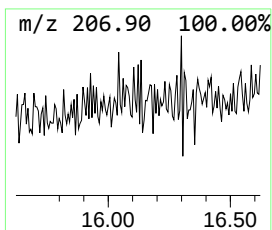
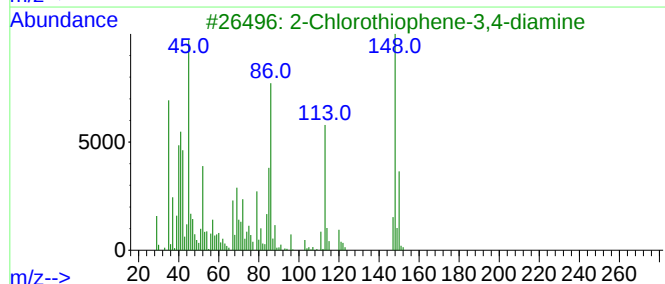
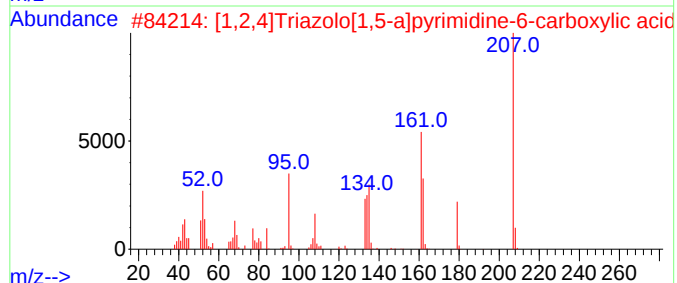
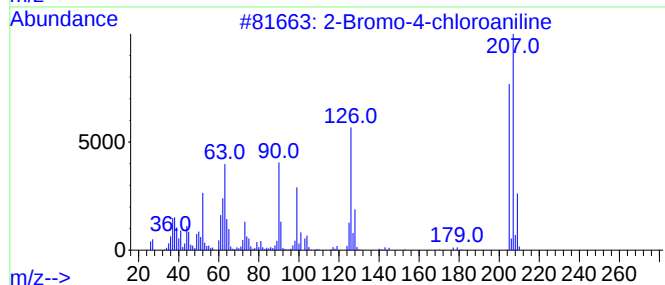
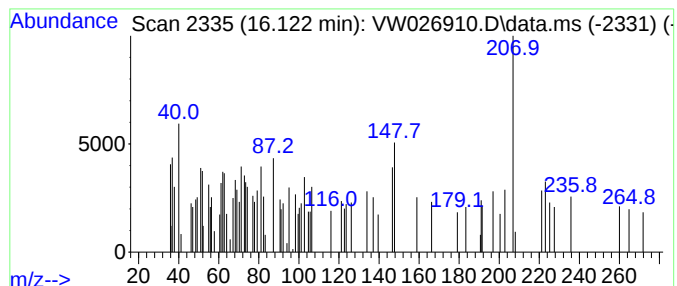
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Quant Title : SFAM01.0

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

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Peak Number 10 unknown-10 Concentration Rank 3

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 16.122 | 4.72 ug/L | 3511 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 2-Bromo-4-chloroaniline             | 205 | C6H5BrClN | 000873-38-1  | 27   |
| 2    |    |   | [1,2,4]Triazolo[1,5-a]pyrimidine... | 207 | C8H9N5O2  | 1000351-62-2 | 18   |
| 3    |    |   | 2-Chlorothiophene-3,4-diamine       | 148 | C4H5ClN2S | 1000459-86-6 | 17   |
| 4    |    |   | 3-Amino-7-nitro-1,2,4-benzotriaz... | 207 | C7H5N5O3  | 1010256-54-1 | 14   |
| 5    |    |   | [1,2,4]Triazolo[1,5-a]pyrimidine... | 207 | C8H9N5O2  | 092673-40-0  | 14   |



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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCHW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |       |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|-------|------|
|                  |        |         |       |          | #                     | RT     | Resp  | Conc |
| unknown-01       | 3.064  | 4.2     | ug/L  | 2893     | 1                     | 8.843  | 17308 | 25.0 |
| unknown-02       | 5.819  | 4.1     | ug/L  | 2830     | 1                     | 8.843  | 17308 | 25.0 |
| unknown-03       | 6.319  | 4.3     | ug/L  | 2998     | 1                     | 8.843  | 17308 | 25.0 |
| unknown-04       | 6.630  | 4.0     | ug/L  | 2753     | 1                     | 8.843  | 17308 | 25.0 |
| unknown-05       | 7.880  | 4.3     | ug/L  | 2973     | 1                     | 8.843  | 17308 | 25.0 |
| unknown-06       | 9.550  | 4.1     | ug/L  | 2855     | 1                     | 8.843  | 17308 | 25.0 |
| unknown-07       | 9.684  | 4.1     | ug/L  | 2834     | 1                     | 8.843  | 17308 | 25.0 |
| unknown-08       | 10.209 | 4.8     | ug/L  | 3308     | 1                     | 8.843  | 17308 | 25.0 |
| unknown-09       | 12.007 | 5.1     | ug/L  | 3929     | 2                     | 11.629 | 19304 | 25.0 |
| unknown-10       | 16.122 | 4.7     | ug/L  | 3511     | 3                     | 13.556 | 18597 | 25.0 |