

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051622\  
 Data File : VW023043.D  
 Acq On : 16 May 2022 10:42  
 Operator : SY/VA  
 Sample : N2815-07  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 X3A86

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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

Signal : TIC: VW023043.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         | 2.008       | 12            | 17          | 28           | rBV      | 18322          | 38396         | 1.36%           | 0.105%        |
| 2         | 2.154       | 36            | 41          | 46           | rBV      | 25036          | 40413         | 1.43%           | 0.111%        |
| 3         | 2.215       | 47            | 51          | 59           | rVV      | 66684          | 98750         | 3.49%           | 0.271%        |
| 4         | 2.325       | 63            | 69          | 70           | rVV      | 112044         | 149832        | 5.29%           | 0.411%        |
| 5         | 2.355       | 70            | 74          | 93           | rVB2     | 333598         | 652232        | 23.04%          | 1.788%        |
| 6         | 2.776       | 137           | 143         | 152          | rVB      | 79171          | 165425        | 5.84%           | 0.454%        |
| 7         | 2.886       | 154           | 161         | 176          | rVB2     | 99612          | 289383        | 10.22%          | 0.793%        |
| 8         | 3.251       | 213           | 221         | 233          | rVB      | 38322          | 85198         | 3.01%           | 0.234%        |
| 9         | 3.343       | 233           | 236         | 237          | rVB3     | 1284           | 1226          | 0.04%           | 0.003%        |
| 10        | 3.385       | 237           | 243         | 248          | rVB7     | 3838           | 8441          | 0.30%           | 0.023%        |
| 11        | 3.513       | 262           | 264         | 268          | rBV3     | 996            | 1527          | 0.05%           | 0.004%        |
| 12        | 3.605       | 276           | 279         | 281          | rVB3     | 1054           | 1075          | 0.04%           | 0.003%        |
| 13        | 3.739       | 297           | 301         | 304          | rBV5     | 696            | 1069          | 0.04%           | 0.003%        |
| 14        | 3.855       | 317           | 320         | 321          | rBV3     | 1117           | 1064          | 0.04%           | 0.003%        |
| 15        | 4.032       | 330           | 349         | 371          | rBV5     | 297592         | 1413105       | 49.92%          | 3.874%        |
| 16        | 4.324       | 393           | 397         | 398          | rBV4     | 889            | 1047          | 0.04%           | 0.003%        |
| 17        | 4.477       | 419           | 422         | 424          | rVB3     | 1314           | 1205          | 0.04%           | 0.003%        |
| 18        | 4.519       | 424           | 429         | 431          | rBV4     | 848            | 1080          | 0.04%           | 0.003%        |
| 19        | 4.666       | 445           | 453         | 464          | rBV      | 25392          | 74175         | 2.62%           | 0.203%        |
| 20        | 4.916       | 481           | 494         | 510          | rVV      | 126325         | 428179        | 15.13%          | 1.174%        |
| 21        | 5.123       | 517           | 528         | 529          | rBV2     | 7227           | 16404         | 0.58%           | 0.045%        |
| 22        | 5.428       | 563           | 578         | 597          | rVV2     | 181472         | 650513        | 22.98%          | 1.783%        |
| 23        | 5.586       | 602           | 604         | 606          | rVB2     | 1586           | 1342          | 0.05%           | 0.004%        |
| 24        | 5.751       | 626           | 631         | 637          | rVV7     | 2685           | 6625          | 0.23%           | 0.018%        |
| 25        | 5.940       | 652           | 662         | 673          | rBV6     | 4760           | 16515         | 0.58%           | 0.045%        |
| 26        | 6.086       | 683           | 686         | 687          | rBV2     | 1268           | 1319          | 0.05%           | 0.004%        |
| 27        | 6.159       | 696           | 698         | 702          | rVB3     | 962            | 1203          | 0.04%           | 0.003%        |
| 28        | 6.324       | 722           | 725         | 727          | rVV2     | 818            | 1041          | 0.04%           | 0.003%        |
| 29        | 6.738       | 786           | 793         | 794          | rBV4     | 1526           | 1851          | 0.07%           | 0.005%        |
| 30        | 6.824       | 806           | 807         | 812          | rVB4     | 1071           | 1635          | 0.06%           | 0.004%        |
| 31        | 6.879       | 812           | 816         | 818          | rBV5     | 1496           | 2119          | 0.07%           | 0.006%        |
| 32        | 7.080       | 839           | 849         | 853          | rBV      | 36293          | 98457         | 3.48%           | 0.270%        |
| 33        | 7.159       | 854           | 862         | 877          | rVB3     | 61805          | 232371        | 8.21%           | 0.637%        |
| 34        | 7.659       | 930           | 944         | 957          | rBV3     | 316081         | 1094132       | 38.66%          | 3.000%        |
| 35        | 7.952       | 981           | 992         | 1006         | rBV      | 296054         | 766645        | 27.09%          | 2.102%        |
| 36        | 8.275       | 1032          | 1045        | 1048         | rBV      | 515151         | 1290243       | 45.58%          | 3.537%        |

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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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 8.317  | 1048 | 1052 | 1064 | rVB2 | 919841  | 2115968 | 74.76%  | 5.801% |
| 38 | 8.482  | 1077 | 1079 | 1082 | rBV3 | 990     | 1270    | 0.04%   | 0.003% |
| 39 | 8.689  | 1110 | 1113 | 1120 | rVB8 | 1815    | 3351    | 0.12%   | 0.009% |
| 40 | 8.842  | 1129 | 1138 | 1147 | rBV  | 409219  | 785278  | 27.74%  | 2.153% |
| 41 | 9.092  | 1167 | 1179 | 1192 | rBV  | 872893  | 1719440 | 60.75%  | 4.714% |
| 42 | 9.275  | 1200 | 1209 | 1224 | rBV  | 313796  | 655520  | 23.16%  | 1.797% |
| 43 | 9.445  | 1231 | 1237 | 1246 | rVB2 | 11588   | 24723   | 0.87%   | 0.068% |
| 44 | 9.659  | 1267 | 1272 | 1279 | rBV8 | 1207    | 2474    | 0.09%   | 0.007% |
| 45 | 9.744  | 1284 | 1286 | 1287 | rVV2 | 1564    | 1268    | 0.04%   | 0.003% |
| 46 | 9.768  | 1288 | 1290 | 1292 | rVV3 | 2439    | 1893    | 0.07%   | 0.005% |
| 47 | 9.890  | 1302 | 1310 | 1315 | rBV3 | 7378    | 13744   | 0.49%   | 0.038% |
| 48 | 10.037 | 1318 | 1334 | 1344 | rBV  | 183926  | 343774  | 12.15%  | 0.942% |
| 49 | 10.122 | 1344 | 1348 | 1354 | rVB4 | 4884    | 8828    | 0.31%   | 0.024% |
| 50 | 10.213 | 1358 | 1363 | 1365 | rBV4 | 2384    | 4606    | 0.16%   | 0.013% |
| 51 | 10.244 | 1365 | 1368 | 1372 | rVB3 | 3987    | 6902    | 0.24%   | 0.019% |
| 52 | 10.323 | 1372 | 1381 | 1386 | rBV  | 741104  | 1323035 | 46.74%  | 3.627% |
| 53 | 10.384 | 1386 | 1391 | 1399 | rVB  | 1656184 | 2830503 | 100.00% | 7.760% |
| 54 | 10.579 | 1415 | 1423 | 1432 | rVB  | 114749  | 205742  | 7.27%   | 0.564% |
| 55 | 10.701 | 1436 | 1443 | 1450 | rBV  | 104240  | 185621  | 6.56%   | 0.509% |
| 56 | 10.787 | 1450 | 1457 | 1463 | rVV  | 257077  | 449092  | 15.87%  | 1.231% |
| 57 | 10.860 | 1463 | 1469 | 1475 | rVV2 | 221720  | 378523  | 13.37%  | 1.038% |
| 58 | 10.921 | 1475 | 1479 | 1487 | rVB  | 145344  | 232529  | 8.22%   | 0.637% |
| 59 | 11.061 | 1496 | 1502 | 1512 | rBV  | 90520   | 162327  | 5.73%   | 0.445% |
| 60 | 11.171 | 1517 | 1520 | 1527 | rVB8 | 6358    | 12230   | 0.43%   | 0.034% |
| 61 | 11.433 | 1553 | 1563 | 1570 | rVB  | 25489   | 50934   | 1.80%   | 0.140% |
| 62 | 11.628 | 1585 | 1595 | 1605 | rBV2 | 612571  | 1590585 | 56.19%  | 4.361% |
| 63 | 11.725 | 1605 | 1611 | 1622 | rVB  | 935500  | 1537231 | 54.31%  | 4.214% |
| 64 | 11.841 | 1622 | 1630 | 1646 | rVB  | 1146802 | 1816492 | 64.18%  | 4.980% |
| 65 | 12.042 | 1658 | 1663 | 1664 | rBV4 | 1237    | 1659    | 0.06%   | 0.005% |
| 66 | 12.164 | 1674 | 1683 | 1692 | rBV4 | 1053144 | 1966884 | 69.49%  | 5.392% |
| 67 | 12.347 | 1706 | 1713 | 1722 | rVB  | 65259   | 118186  | 4.18%   | 0.324% |
| 68 | 12.463 | 1722 | 1732 | 1740 | rBV  | 866911  | 1364898 | 48.22%  | 3.742% |
| 69 | 12.603 | 1748 | 1755 | 1761 | rVV  | 68042   | 121410  | 4.29%   | 0.333% |
| 70 | 12.689 | 1762 | 1769 | 1774 | rVV2 | 273821  | 618465  | 21.85%  | 1.695% |
| 71 | 12.743 | 1774 | 1778 | 1790 | rVB  | 573512  | 957337  | 33.82%  | 2.625% |
| 72 | 12.859 | 1795 | 1797 | 1800 | rBV4 | 1880    | 2438    | 0.09%   | 0.007% |
| 73 | 12.932 | 1803 | 1809 | 1817 | rBV3 | 22536   | 44841   | 1.58%   | 0.123% |
| 74 | 13.024 | 1822 | 1824 | 1829 | rVB6 | 2267    | 3067    | 0.11%   | 0.008% |
| 75 | 13.103 | 1831 | 1837 | 1843 | rVB6 | 6013    | 12510   | 0.44%   | 0.034% |
| 76 | 13.152 | 1843 | 1845 | 1846 | rBV2 | 1463    | 1384    | 0.05%   | 0.004% |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 X3A86

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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.189 | 1847 | 1851 | 1854 | rBV3 | 5311   | 7266    | 0.26%  | 0.020% |
| 78  | 13.250 | 1854 | 1861 | 1867 | rBV  | 999466 | 1565661 | 55.31% | 4.292% |
| 79  | 13.402 | 1877 | 1886 | 1891 | rBV7 | 8224   | 17376   | 0.61%  | 0.048% |
| 80  | 13.493 | 1894 | 1901 | 1906 | rBV  | 588133 | 982730  | 34.72% | 2.694% |
| 81  | 13.560 | 1906 | 1912 | 1924 | rVB3 | 765533 | 1631990 | 57.66% | 4.474% |
| 82  | 13.762 | 1939 | 1945 | 1949 | rBV8 | 6201   | 13208   | 0.47%  | 0.036% |
| 83  | 13.853 | 1952 | 1960 | 1967 | rBV  | 685947 | 1153390 | 40.75% | 3.162% |
| 84  | 14.024 | 1983 | 1988 | 1990 | rBV6 | 2055   | 3487    | 0.12%  | 0.010% |
| 85  | 14.066 | 1990 | 1995 | 2008 | rVB2 | 15267  | 32004   | 1.13%  | 0.088% |
| 86  | 14.316 | 2032 | 2036 | 2040 | rBV6 | 2198   | 4078    | 0.14%  | 0.011% |
| 87  | 14.420 | 2051 | 2053 | 2056 | rVB4 | 1477   | 1534    | 0.05%  | 0.004% |
| 88  | 14.499 | 2056 | 2066 | 2068 | rBV9 | 3024   | 6874    | 0.24%  | 0.019% |
| 89  | 14.621 | 2084 | 2086 | 2089 | rVB4 | 1725   | 1944    | 0.07%  | 0.005% |
| 90  | 14.719 | 2099 | 2102 | 2108 | rVB6 | 3545   | 5671    | 0.20%  | 0.016% |
| 91  | 15.054 | 2151 | 2157 | 2158 | rBV5 | 859    | 1230    | 0.04%  | 0.003% |
| 92  | 15.127 | 2161 | 2169 | 2182 | rVV  | 439959 | 728224  | 25.73% | 1.996% |
| 93  | 15.255 | 2188 | 2190 | 2196 | rVB5 | 1439   | 1839    | 0.06%  | 0.005% |
| 94  | 15.334 | 2196 | 2203 | 2205 | rBV7 | 1915   | 3909    | 0.14%  | 0.011% |
| 95  | 15.426 | 2214 | 2218 | 2224 | rVB2 | 15650  | 26660   | 0.94%  | 0.073% |
| 96  | 15.548 | 2230 | 2238 | 2247 | rBV  | 524041 | 970316  | 34.28% | 2.660% |
| 97  | 15.999 | 2308 | 2312 | 2313 | rBV4 | 1054   | 1387    | 0.05%  | 0.004% |
| 98  | 16.115 | 2329 | 2331 | 2334 | rBV4 | 1037   | 1257    | 0.04%  | 0.003% |
| 99  | 16.170 | 2337 | 2340 | 2342 | rBV3 | 1202   | 1117    | 0.04%  | 0.003% |
| 100 | 16.292 | 2356 | 2360 | 2362 | rBV4 | 1191   | 1517    | 0.05%  | 0.004% |

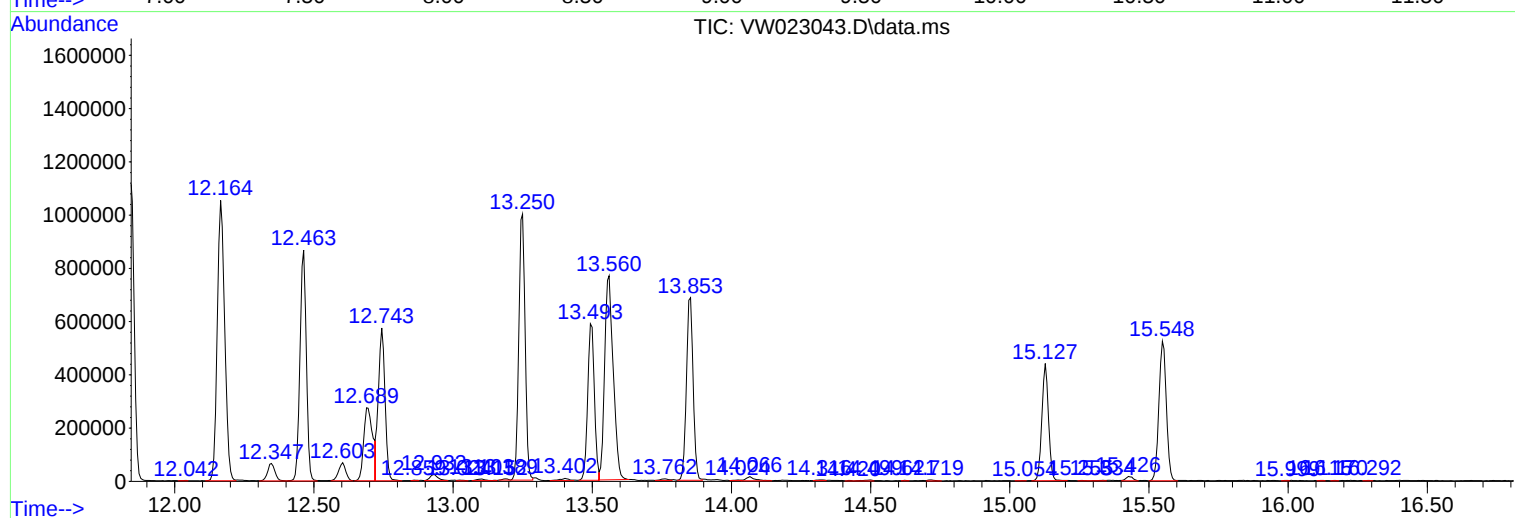
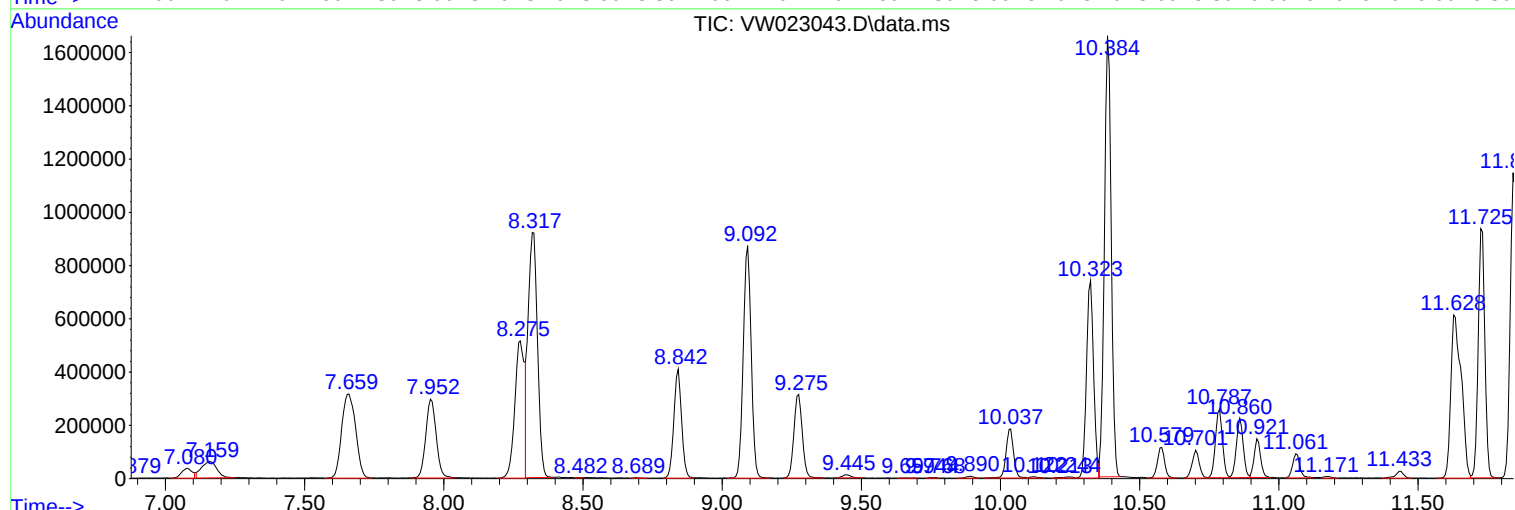
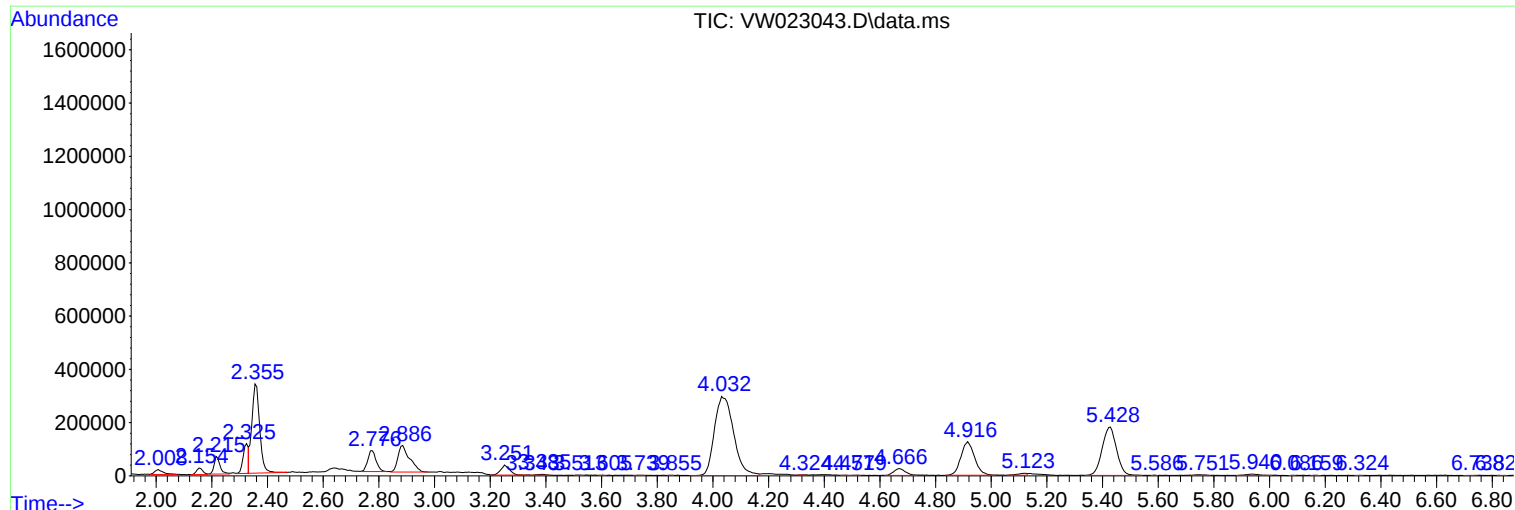
Sum of corrected areas: 36476868

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051622\  
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Instrument :  
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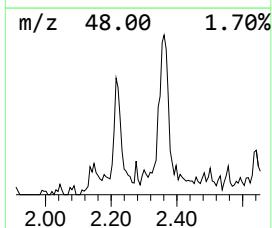
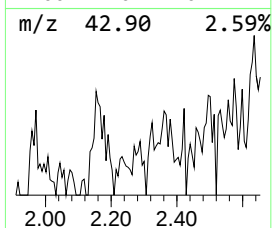
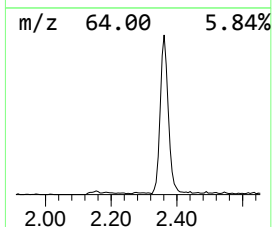
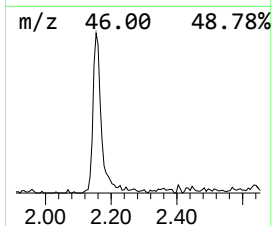
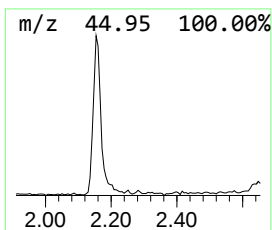
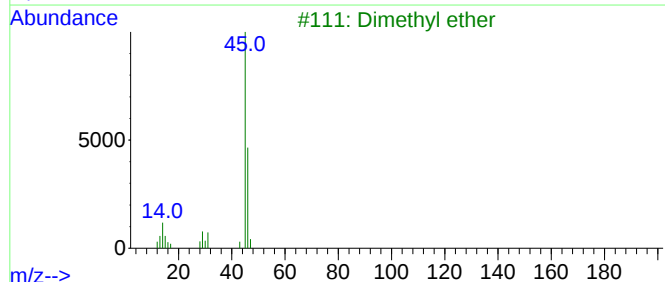
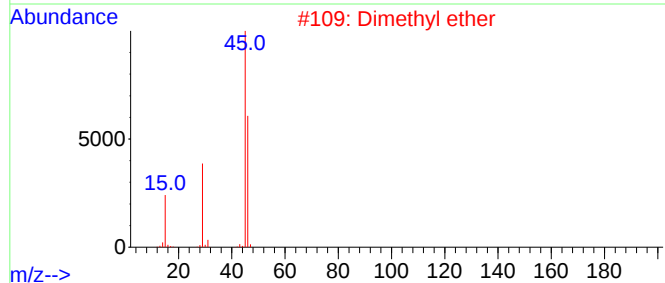
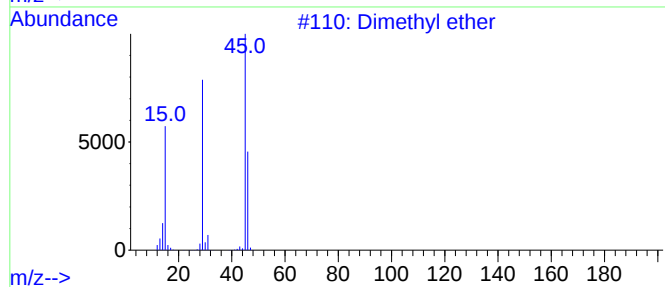
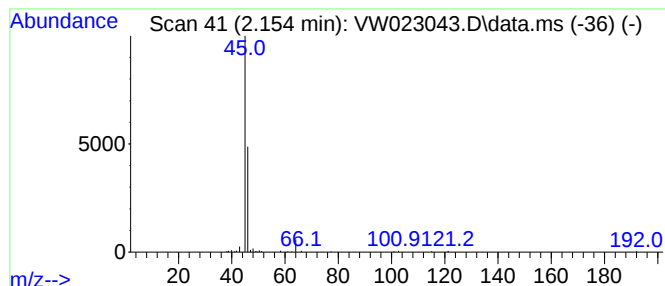
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 Dimethyl ether Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.154 | 1.29 ug/L | 40413 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Dimethyl ether      | 46  | C2H6O   | 000115-10-6 | 56   |
| 2    |    |   | Dimethyl ether      | 46  | C2H6O   | 000115-10-6 | 9    |
| 3    |    |   | Dimethyl ether      | 46  | C2H6O   | 000115-10-6 | 7    |
| 4    |    |   | Formic acid         | 46  | CH2O2   | 000064-18-6 | 5    |
| 5    |    |   | Pentane, 1-methoxy- | 102 | C6H14O  | 000628-80-8 | 5    |



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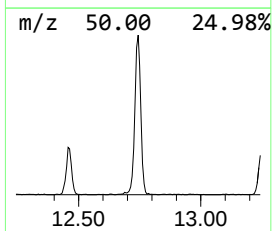
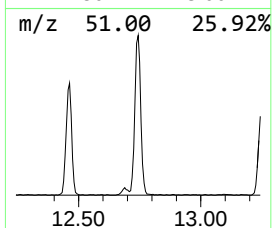
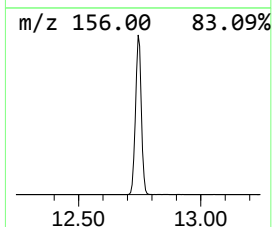
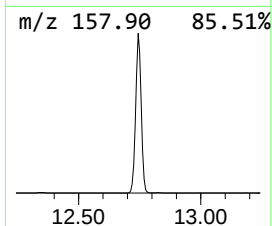
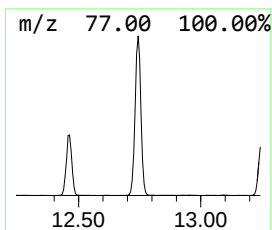
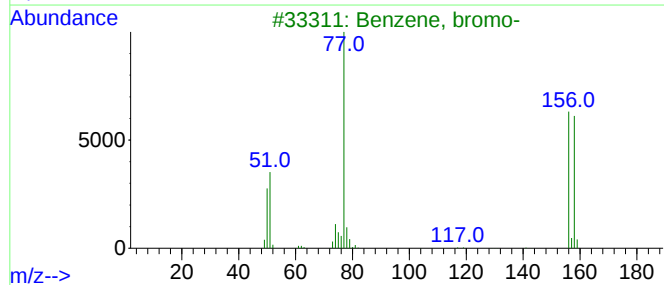
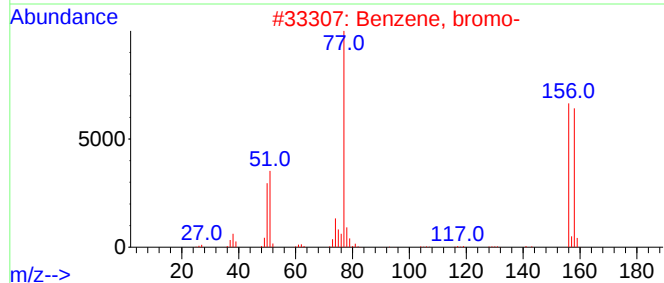
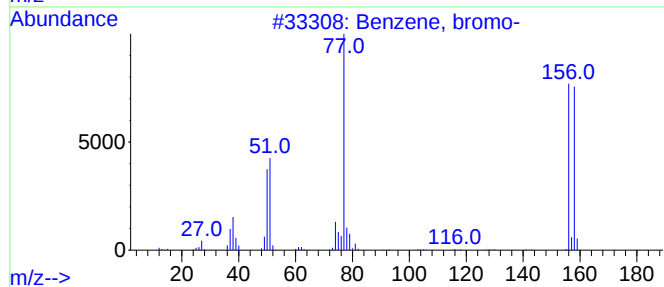
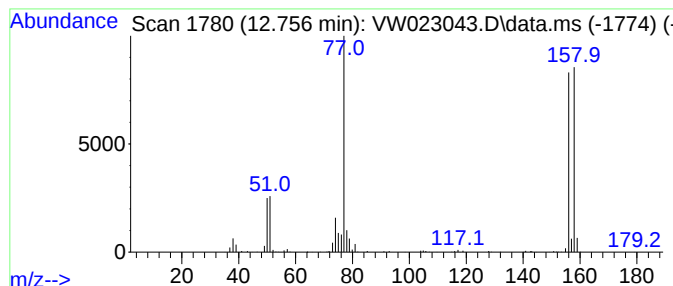
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 6 Benzene, bromo- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.743 | 14.67 ug/L | 957337 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 2    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 3    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 95   |
| 4    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 94   |
| 5    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051622\  
Data File : VW023043.D  
Acq On : 16 May 2022 10:42  
Operator : SY/VA  
Sample : N2815-07  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
X3A86

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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

| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                  |        |         |       |          | #                     | RT     | Resp    | Conc |
| Dimethyl ether   | 2.154  | 1.3     | ug/L  | 40413    | 1                     | 8.842  | 785278  | 25.0 |
| Benzene, bromo-  | 12.743 | 14.7    | ug/L  | 957337   | 3                     | 13.554 | 1631990 | 25.0 |