

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081522\  
 Data File : VW024243.D  
 Acq On : 15 Aug 2022 18:57  
 Operator : SY/VA  
 Sample : N4210-06  
 Misc : 5.77g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BGC49

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\SFAMWLM080422SMA.M  
 Title : SFAM01.0

Signal : TIC: VW024243.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         | 2.336       | 67            | 71          | 82           | rVB      | 152146         | 249166        | 19.93%          | 3.210%        |
| 2         | 2.873       | 154           | 159         | 170          | rVB      | 87006          | 179085        | 14.33%          | 2.307%        |
| 3         | 3.525       | 263           | 266         | 267          | rBV3     | 1944           | 2152          | 0.17%           | 0.028%        |
| 4         | 3.635       | 283           | 284         | 289          | rVB4     | 1335           | 1540          | 0.12%           | 0.020%        |
| 5         | 4.007       | 335           | 345         | 358          | rBV      | 112353         | 338557        | 27.08%          | 4.362%        |
| 6         | 4.391       | 402           | 408         | 409          | rBV3     | 2834           | 3512          | 0.28%           | 0.045%        |
| 7         | 4.562       | 435           | 436         | 439          | rBV3     | 769            | 739           | 0.06%           | 0.010%        |
| 8         | 4.598       | 439           | 442         | 443          | rBV3     | 1729           | 1571          | 0.13%           | 0.020%        |
| 9         | 4.909       | 481           | 493         | 506          | rVV4     | 11340          | 42721         | 3.42%           | 0.550%        |
| 10        | 5.269       | 549           | 552         | 554          | rVB4     | 809            | 981           | 0.08%           | 0.013%        |
| 11        | 5.391       | 570           | 572         | 576          | rVV5     | 1144           | 1478          | 0.12%           | 0.019%        |
| 12        | 5.433       | 577           | 579         | 582          | rVB3     | 1666           | 1372          | 0.11%           | 0.018%        |
| 13        | 5.464       | 582           | 584         | 585          | rBV2     | 985            | 712           | 0.06%           | 0.009%        |
| 14        | 5.568       | 599           | 601         | 602          | rBV2     | 1018           | 711           | 0.06%           | 0.009%        |
| 15        | 5.677       | 618           | 619         | 622          | rVB3     | 1117           | 823           | 0.07%           | 0.011%        |
| 16        | 5.708       | 622           | 624         | 626          | rBV2     | 1251           | 1229          | 0.10%           | 0.016%        |
| 17        | 5.805       | 638           | 640         | 642          | rVB3     | 1063           | 689           | 0.06%           | 0.009%        |
| 18        | 5.897       | 652           | 655         | 656          | rBV2     | 961            | 959           | 0.08%           | 0.012%        |
| 19        | 6.067       | 681           | 683         | 685          | rBV3     | 824            | 691           | 0.06%           | 0.009%        |
| 20        | 6.159       | 697           | 698         | 700          | rVB      | 1564           | 821           | 0.07%           | 0.011%        |
| 21        | 6.189       | 700           | 703         | 706          | rBV4     | 880            | 1117          | 0.09%           | 0.014%        |
| 22        | 6.616       | 770           | 773         | 774          | rBV3     | 1009           | 687           | 0.05%           | 0.009%        |
| 23        | 6.756       | 794           | 796         | 798          | rVV3     | 933            | 768           | 0.06%           | 0.010%        |
| 24        | 6.781       | 798           | 800         | 803          | rVB4     | 1364           | 1218          | 0.10%           | 0.016%        |
| 25        | 6.970       | 828           | 831         | 835          | rVB6     | 999            | 1254          | 0.10%           | 0.016%        |
| 26        | 7.080       | 840           | 849         | 854          | rBV      | 27684          | 80647         | 6.45%           | 1.039%        |
| 27        | 7.397       | 900           | 901         | 904          | rVB2     | 1328           | 956           | 0.08%           | 0.012%        |
| 28        | 7.646       | 932           | 942         | 953          | rVB      | 222123         | 546016        | 43.68%          | 7.034%        |
| 29        | 7.738       | 956           | 957         | 958          | rBV      | 1161           | 740           | 0.06%           | 0.010%        |
| 30        | 8.006       | 998           | 1001        | 1002         | rBV3     | 869            | 852           | 0.07%           | 0.011%        |
| 31        | 8.024       | 1002          | 1004        | 1008         | rVV4     | 1711           | 1774          | 0.14%           | 0.023%        |
| 32        | 8.061       | 1008          | 1010        | 1017         | rVB7     | 1350           | 2857          | 0.23%           | 0.037%        |
| 33        | 8.122       | 1017          | 1020        | 1021         | rBV2     | 901            | 1046          | 0.08%           | 0.013%        |
| 34        | 8.274       | 1032          | 1045        | 1059         | rBV2     | 394686         | 1250129       | 100.00%         | 16.105%       |
| 35        | 8.738       | 1119          | 1121        | 1124         | rBV4     | 809            | 1130          | 0.09%           | 0.015%        |
| 36        | 8.841       | 1129          | 1138        | 1147         | rBV      | 364811         | 705529        | 56.44%          | 9.089%        |

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 9.189  | 1193 | 1195 | 1198 | rBV4 | 877    | 1287   | 0.10%  | 0.017%  |
| 38 | 9.268  | 1200 | 1208 | 1220 | rVV  | 291754 | 596076 | 47.68% | 7.679%  |
| 39 | 9.500  | 1244 | 1246 | 1247 | rBV2 | 893    | 678    | 0.05%  | 0.009%  |
| 40 | 9.774  | 1288 | 1291 | 1293 | rBV4 | 1043   | 1005   | 0.08%  | 0.013%  |
| 41 | 9.884  | 1305 | 1309 | 1312 | rBV5 | 1788   | 2254   | 0.18%  | 0.029%  |
| 42 | 9.939  | 1315 | 1318 | 1319 | rBV3 | 929    | 700    | 0.06%  | 0.009%  |
| 43 | 9.981  | 1323 | 1325 | 1326 | rBV2 | 1302   | 1069   | 0.09%  | 0.014%  |
| 44 | 10.030 | 1327 | 1333 | 1340 | rVB  | 108213 | 192493 | 15.40% | 2.480%  |
| 45 | 10.323 | 1373 | 1381 | 1388 | rBV  | 505347 | 875735 | 70.05% | 11.282% |
| 46 | 10.573 | 1416 | 1422 | 1432 | rBV  | 76034  | 135564 | 10.84% | 1.746%  |
| 47 | 10.701 | 1437 | 1443 | 1448 | rVB2 | 16550  | 29581  | 2.37%  | 0.381%  |
| 48 | 10.743 | 1448 | 1450 | 1451 | rBV2 | 1191   | 813    | 0.07%  | 0.010%  |
| 49 | 10.780 | 1454 | 1456 | 1458 | rBV3 | 1167   | 1173   | 0.09%  | 0.015%  |
| 50 | 10.920 | 1473 | 1479 | 1493 | rBV  | 108570 | 218670 | 17.49% | 2.817%  |
| 51 | 11.060 | 1498 | 1502 | 1508 | rVV6 | 7286   | 12223  | 0.98%  | 0.157%  |
| 52 | 11.329 | 1544 | 1546 | 1547 | rVB2 | 1078   | 656    | 0.05%  | 0.008%  |
| 53 | 11.432 | 1559 | 1563 | 1570 | rVB3 | 10661  | 18880  | 1.51%  | 0.243%  |
| 54 | 11.542 | 1578 | 1581 | 1585 | rVB6 | 1510   | 2165   | 0.17%  | 0.028%  |
| 55 | 11.627 | 1585 | 1595 | 1603 | rBV  | 445877 | 751702 | 60.13% | 9.684%  |
| 56 | 11.823 | 1625 | 1627 | 1628 | rBV  | 2039   | 1710   | 0.14%  | 0.022%  |
| 57 | 11.920 | 1639 | 1643 | 1646 | rBV6 | 1068   | 1719   | 0.14%  | 0.022%  |
| 58 | 11.951 | 1646 | 1648 | 1649 | rBV2 | 1082   | 684    | 0.05%  | 0.009%  |
| 59 | 12.024 | 1657 | 1660 | 1663 | rBV5 | 1014   | 1640   | 0.13%  | 0.021%  |
| 60 | 12.170 | 1678 | 1684 | 1688 | rBV8 | 2619   | 5254   | 0.42%  | 0.068%  |
| 61 | 12.237 | 1692 | 1695 | 1696 | rVV3 | 882    | 682    | 0.05%  | 0.009%  |
| 62 | 12.457 | 1729 | 1731 | 1736 | rVB5 | 1971   | 3268   | 0.26%  | 0.042%  |
| 63 | 12.499 | 1736 | 1738 | 1739 | rBV2 | 1310   | 768    | 0.06%  | 0.010%  |
| 64 | 12.603 | 1749 | 1755 | 1761 | rVB4 | 13583  | 23528  | 1.88%  | 0.303%  |
| 65 | 12.688 | 1761 | 1769 | 1779 | rBV  | 251211 | 418401 | 33.47% | 5.390%  |
| 66 | 12.804 | 1785 | 1788 | 1790 | rBV4 | 1092   | 1092   | 0.09%  | 0.014%  |
| 67 | 12.822 | 1790 | 1791 | 1794 | rVB2 | 1036   | 745    | 0.06%  | 0.010%  |
| 68 | 12.871 | 1794 | 1799 | 1801 | rBV5 | 1484   | 2484   | 0.20%  | 0.032%  |
| 69 | 12.920 | 1805 | 1807 | 1810 | rBV3 | 1285   | 1982   | 0.16%  | 0.026%  |
| 70 | 13.005 | 1817 | 1821 | 1823 | rBV5 | 1458   | 2068   | 0.17%  | 0.027%  |
| 71 | 13.078 | 1832 | 1833 | 1835 | rVB2 | 2296   | 1251   | 0.10%  | 0.016%  |
| 72 | 13.158 | 1844 | 1846 | 1849 | rBV4 | 1050   | 817    | 0.07%  | 0.011%  |
| 73 | 13.194 | 1849 | 1852 | 1855 | rBV4 | 1487   | 2458   | 0.20%  | 0.032%  |
| 74 | 13.371 | 1878 | 1881 | 1882 | rBV3 | 830    | 665    | 0.05%  | 0.009%  |
| 75 | 13.402 | 1882 | 1886 | 1888 | rBV5 | 2431   | 2991   | 0.24%  | 0.039%  |
| 76 | 13.499 | 1899 | 1902 | 1904 | rBV4 | 2217   | 2436   | 0.19%  | 0.031%  |

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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\SFAMWLM080422SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.554 | 1905 | 1911 | 1924 | rVB  | 300832 | 469612 | 37.57% | 6.050% |
| 78  | 13.755 | 1940 | 1944 | 1947 | rBV6 | 2620   | 4289   | 0.34%  | 0.055% |
| 79  | 13.847 | 1953 | 1959 | 1967 | rBV  | 290671 | 483710 | 38.69% | 6.232% |
| 80  | 14.011 | 1982 | 1986 | 1988 | rBV5 | 1421   | 2387   | 0.19%  | 0.031% |
| 81  | 14.066 | 1991 | 1995 | 1998 | rVV2 | 3816   | 5829   | 0.47%  | 0.075% |
| 82  | 14.164 | 2009 | 2011 | 2015 | rVB5 | 790    | 1172   | 0.09%  | 0.015% |
| 83  | 14.261 | 2025 | 2027 | 2030 | rBV4 | 769    | 1146   | 0.09%  | 0.015% |
| 84  | 14.414 | 2050 | 2052 | 2055 | rBV4 | 715    | 1062   | 0.08%  | 0.014% |
| 85  | 14.609 | 2080 | 2084 | 2086 | rBV5 | 1144   | 1660   | 0.13%  | 0.021% |
| 86  | 14.688 | 2096 | 2097 | 2098 | rBV  | 1118   | 772    | 0.06%  | 0.010% |
| 87  | 14.712 | 2099 | 2101 | 2107 | rVV6 | 3545   | 5486   | 0.44%  | 0.071% |
| 88  | 14.785 | 2111 | 2113 | 2114 | rBV2 | 967    | 967    | 0.08%  | 0.012% |
| 89  | 14.852 | 2119 | 2124 | 2128 | rVB7 | 970    | 2012   | 0.16%  | 0.026% |
| 90  | 14.889 | 2128 | 2130 | 2132 | rBV3 | 749    | 751    | 0.06%  | 0.010% |
| 91  | 15.072 | 2156 | 2160 | 2162 | rBV5 | 1077   | 1425   | 0.11%  | 0.018% |
| 92  | 15.096 | 2162 | 2164 | 2166 | rBV3 | 1396   | 1468   | 0.12%  | 0.019% |
| 93  | 15.237 | 2185 | 2187 | 2188 | rBV2 | 895    | 739    | 0.06%  | 0.010% |
| 94  | 15.432 | 2210 | 2219 | 2224 | rBV2 | 11894  | 23791  | 1.90%  | 0.306% |
| 95  | 15.529 | 2230 | 2235 | 2237 | rBV6 | 1744   | 3040   | 0.24%  | 0.039% |
| 96  | 15.718 | 2264 | 2266 | 2268 | rBV3 | 854    | 908    | 0.07%  | 0.012% |
| 97  | 16.114 | 2330 | 2331 | 2333 | rBV2 | 1116   | 818    | 0.07%  | 0.011% |
| 98  | 16.188 | 2340 | 2343 | 2345 | rBV4 | 1192   | 1436   | 0.11%  | 0.018% |
| 99  | 16.346 | 2368 | 2369 | 2371 | rBV2 | 1214   | 956    | 0.08%  | 0.012% |
| 100 | 16.541 | 2400 | 2401 | 2406 | rBV5 | 1072   | 1234   | 0.10%  | 0.016% |

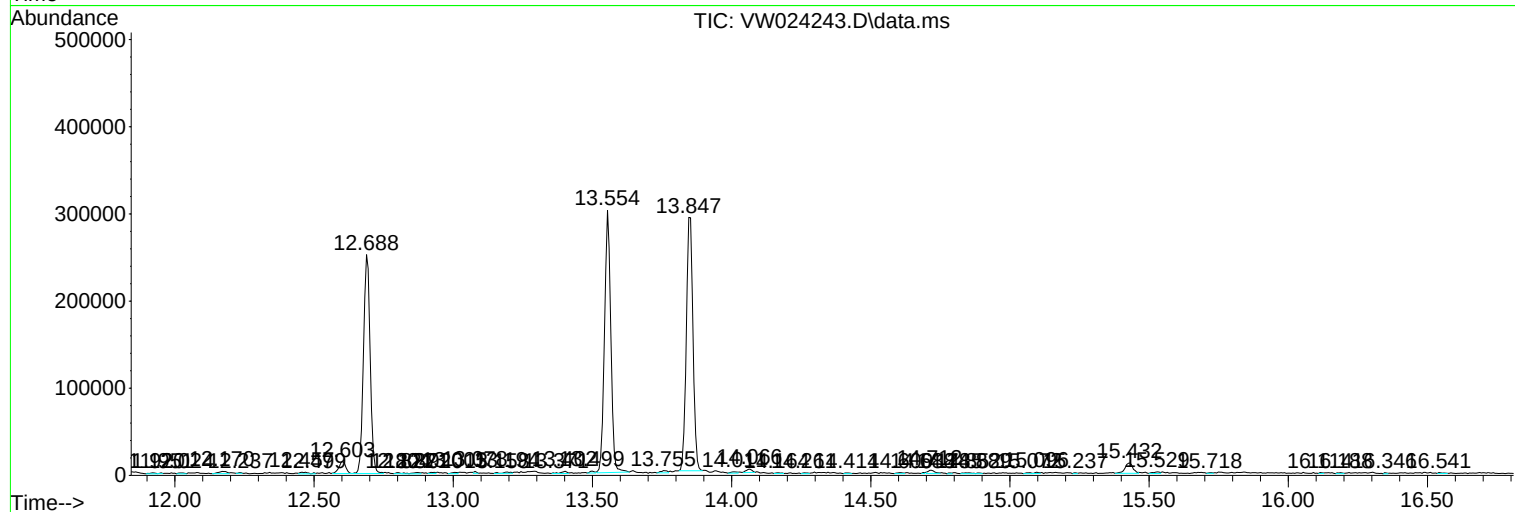
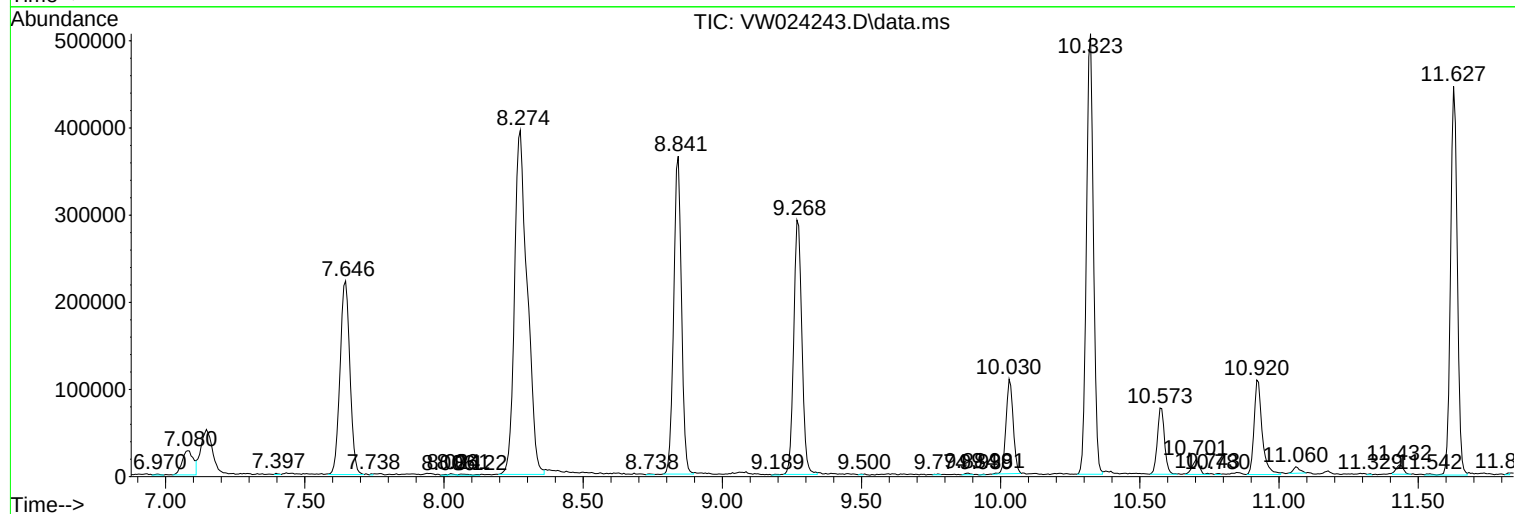
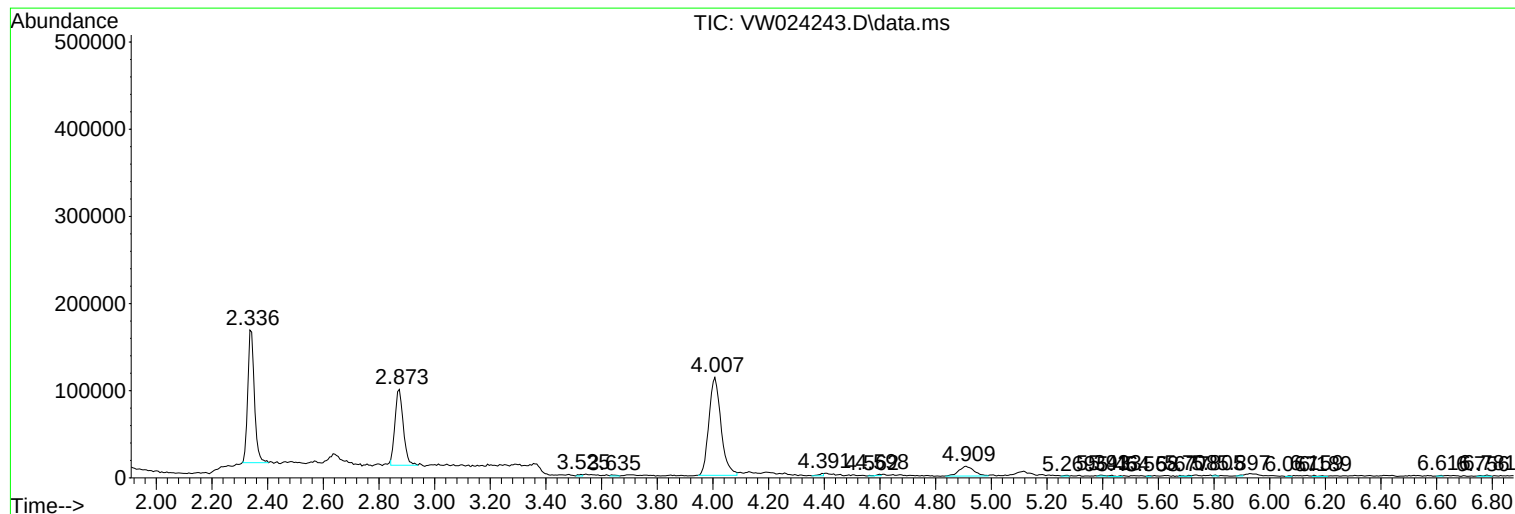
Sum of corrected areas: 7762266

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Instrument :  
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BGC49

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081522\  
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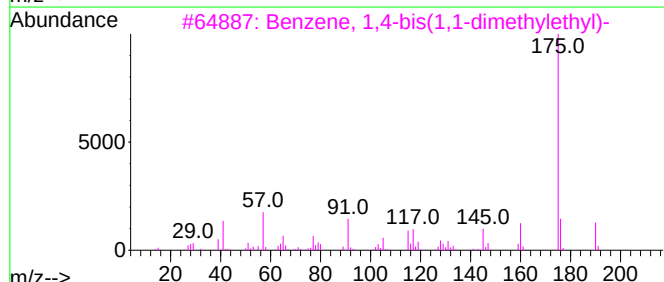
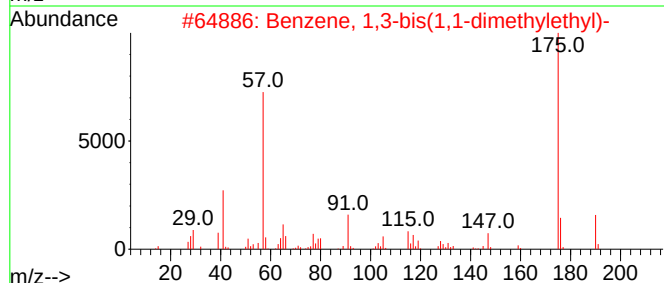
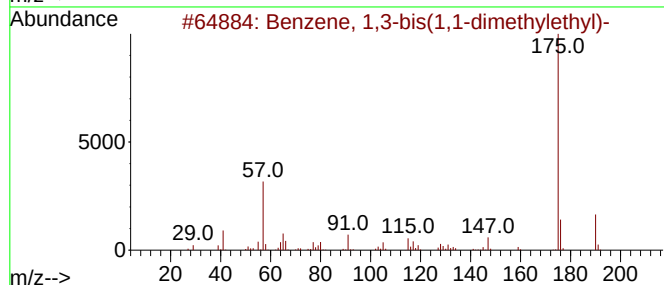
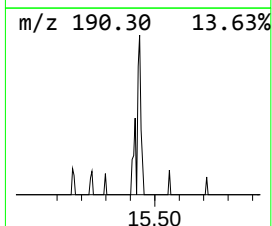
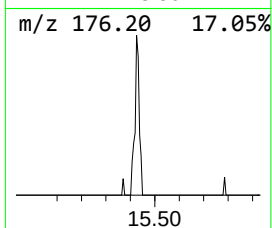
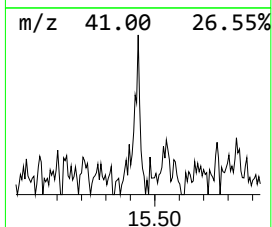
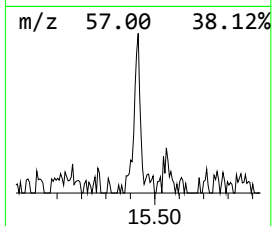
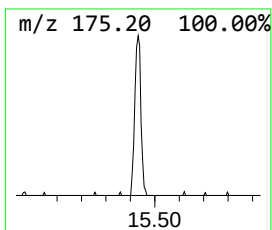
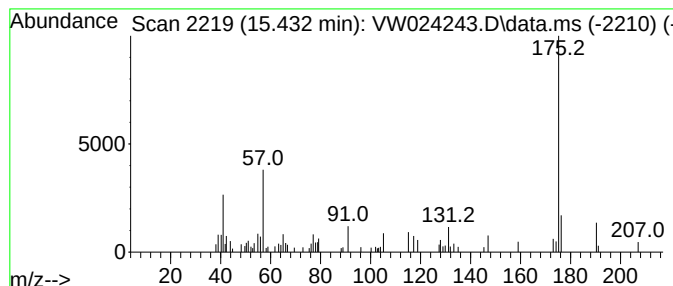
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 4 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.432 | 1.27 ug/L | 23791 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 81   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 76   |
| 3    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22  | 001012-72-2 | 68   |
| 4    |    |   | Benzene, 1,4-dimethyl-2,5-bis(1-... | 190 | C14H22  | 010375-96-9 | 64   |
| 5    |    |   | m-Cymene, 5-tert-butyl-             | 190 | C14H22  | 029577-19-3 | 64   |



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Quant Title : SFAM01.0

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Benzene, 1,3-bi... | 15.432 | 1.3     | ug/L  | 23791    | 3                     | 13.554 | 469612 | 25.0 |