

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102323\  
 Data File : VW027399.D  
 Acq On : 23 Oct 2023 16:50  
 Operator : SY/MD  
 Sample : VIBLK543  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK543

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\SFAMWLM101123SMA.M  
 Title : SFAM01.0

Signal : TIC: VW027399.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         | 2.369       | 72            | 79          | 92           | rVB      | 83453          | 209508        | 11.78%          | 1.670%        |
| 2         | 2.899       | 159           | 166         | 179          | rBV2     | 69404          | 177834        | 10.00%          | 1.418%        |
| 3         | 3.301       | 231           | 232         | 234          | rBV2     | 990            | 921           | 0.05%           | 0.007%        |
| 4         | 3.393       | 244           | 247         | 249          | rBV3     | 1890           | 2193          | 0.12%           | 0.017%        |
| 5         | 3.454       | 256           | 257         | 261          | rBV4     | 821            | 970           | 0.05%           | 0.008%        |
| 6         | 3.771       | 305           | 309         | 313          | rVB7     | 1710           | 3175          | 0.18%           | 0.025%        |
| 7         | 4.021       | 338           | 350         | 368          | rBV      | 192728         | 583269        | 32.79%          | 4.650%        |
| 8         | 4.362       | 403           | 406         | 407          | rBV3     | 943            | 1044          | 0.06%           | 0.008%        |
| 9         | 4.405       | 407           | 413         | 417          | rVV7     | 2325           | 5256          | 0.30%           | 0.042%        |
| 10        | 4.783       | 471           | 475         | 478          | rBB6     | 870            | 1063          | 0.06%           | 0.008%        |
| 11        | 4.923       | 487           | 498         | 509          | rBV4     | 11182          | 40236         | 2.26%           | 0.321%        |
| 12        | 5.069       | 518           | 522         | 524          | rBV5     | 797            | 1423          | 0.08%           | 0.011%        |
| 13        | 5.179       | 538           | 540         | 549          | rVB9     | 1601           | 3371          | 0.19%           | 0.027%        |
| 14        | 5.295       | 557           | 559         | 563          | rVB5     | 877            | 1033          | 0.06%           | 0.008%        |
| 15        | 5.423       | 579           | 580         | 584          | rVB3     | 1236           | 1195          | 0.07%           | 0.010%        |
| 16        | 5.508       | 591           | 594         | 597          | rVB5     | 640            | 913           | 0.05%           | 0.007%        |
| 17        | 5.734       | 627           | 631         | 632          | rBV4     | 1898           | 2009          | 0.11%           | 0.016%        |
| 18        | 5.947       | 654           | 666         | 676          | rVV6     | 6195           | 19029         | 1.07%           | 0.152%        |
| 19        | 6.021       | 676           | 678         | 682          | rVB5     | 1065           | 1527          | 0.09%           | 0.012%        |
| 20        | 6.350       | 729           | 732         | 734          | rBV3     | 1236           | 1626          | 0.09%           | 0.013%        |
| 21        | 6.392       | 736           | 739         | 741          | rBV4     | 1133           | 1254          | 0.07%           | 0.010%        |
| 22        | 6.764       | 797           | 800         | 801          | rBV3     | 1004           | 949           | 0.05%           | 0.008%        |
| 23        | 7.014       | 837           | 841         | 843          | rBV5     | 695            | 1066          | 0.06%           | 0.008%        |
| 24        | 7.075       | 843           | 851         | 856          | rBV      | 54048          | 144551        | 8.13%           | 1.152%        |
| 25        | 7.496       | 918           | 920         | 923          | rVB4     | 1305           | 976           | 0.05%           | 0.008%        |
| 26        | 7.539       | 923           | 927         | 930          | rBV6     | 1054           | 1872          | 0.11%           | 0.015%        |
| 27        | 7.648       | 934           | 945         | 958          | rVV      | 283970         | 691885        | 38.90%          | 5.516%        |
| 28        | 7.831       | 972           | 975         | 976          | rBV3     | 941            | 998           | 0.06%           | 0.008%        |
| 29        | 7.959       | 993           | 996         | 999          | rVB4     | 1007           | 901           | 0.05%           | 0.007%        |
| 30        | 8.124       | 1020          | 1023        | 1025         | rBV4     | 1178           | 1213          | 0.07%           | 0.010%        |
| 31        | 8.276       | 1034          | 1048        | 1065         | rBV2     | 610673         | 1778831       | 100.00%         | 14.182%       |
| 32        | 8.733       | 1121          | 1123        | 1127         | rVB5     | 1129           | 1123          | 0.06%           | 0.009%        |
| 33        | 8.843       | 1132          | 1141        | 1154         | rBV      | 492173         | 995623        | 55.97%          | 7.938%        |
| 34        | 9.044       | 1171          | 1174        | 1175         | rBV3     | 1225           | 1391          | 0.08%           | 0.011%        |
| 35        | 9.075       | 1177          | 1179        | 1185         | rVB7     | 2322           | 3872          | 0.22%           | 0.031%        |
| 36        | 9.276       | 1203          | 1212        | 1221         | rBV      | 389615         | 804023        | 45.20%          | 6.410%        |

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Integrator: RTE

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 9.465  | 1239 | 1243 | 1244 | rBV4 | 846    | 979     | 0.06%  | 0.008%  |
| 38 | 9.630  | 1268 | 1270 | 1271 | rBV2 | 1632   | 1107    | 0.06%  | 0.009%  |
| 39 | 9.666  | 1271 | 1276 | 1281 | rVV6 | 1715   | 3111    | 0.17%  | 0.025%  |
| 40 | 9.849  | 1304 | 1306 | 1310 | rVV4 | 939    | 906     | 0.05%  | 0.007%  |
| 41 | 9.928  | 1317 | 1319 | 1322 | rBV4 | 629    | 950     | 0.05%  | 0.008%  |
| 42 | 9.983  | 1325 | 1328 | 1329 | rBV3 | 912    | 1072    | 0.06%  | 0.009%  |
| 43 | 10.032 | 1329 | 1336 | 1344 | rVV  | 212334 | 387926  | 21.81% | 3.093%  |
| 44 | 10.264 | 1371 | 1374 | 1375 | rBV3 | 1094   | 1099    | 0.06%  | 0.009%  |
| 45 | 10.325 | 1375 | 1384 | 1393 | rBV  | 790067 | 1424306 | 80.07% | 11.356% |
| 46 | 10.447 | 1401 | 1404 | 1408 | rVB6 | 747    | 989     | 0.06%  | 0.008%  |
| 47 | 10.501 | 1411 | 1413 | 1418 | rVB6 | 1133   | 1746    | 0.10%  | 0.014%  |
| 48 | 10.575 | 1418 | 1425 | 1437 | rBV  | 134671 | 232530  | 13.07% | 1.854%  |
| 49 | 10.703 | 1439 | 1446 | 1453 | rVV  | 99091  | 185590  | 10.43% | 1.480%  |
| 50 | 10.861 | 1463 | 1472 | 1476 | rBV5 | 15224  | 28497   | 1.60%  | 0.227%  |
| 51 | 10.922 | 1476 | 1482 | 1495 | rVV  | 222562 | 378226  | 21.26% | 3.015%  |
| 52 | 11.062 | 1499 | 1505 | 1516 | rVB2 | 14317  | 29892   | 1.68%  | 0.238%  |
| 53 | 11.184 | 1521 | 1525 | 1529 | rVV5 | 2861   | 4775    | 0.27%  | 0.038%  |
| 54 | 11.434 | 1557 | 1566 | 1571 | rVB3 | 14478  | 25894   | 1.46%  | 0.206%  |
| 55 | 11.629 | 1589 | 1598 | 1608 | rBV  | 699753 | 1177883 | 66.22% | 9.391%  |
| 56 | 11.891 | 1639 | 1641 | 1645 | rVB5 | 944    | 990     | 0.06%  | 0.008%  |
| 57 | 11.989 | 1655 | 1657 | 1660 | rVB4 | 1211   | 1278    | 0.07%  | 0.010%  |
| 58 | 12.032 | 1660 | 1664 | 1665 | rBV4 | 874    | 922     | 0.05%  | 0.007%  |
| 59 | 12.062 | 1667 | 1669 | 1672 | rVV4 | 1107   | 1254    | 0.07%  | 0.010%  |
| 60 | 12.172 | 1683 | 1687 | 1691 | rVB7 | 1345   | 2224    | 0.13%  | 0.018%  |
| 61 | 12.324 | 1709 | 1712 | 1714 | rBV4 | 875    | 1082    | 0.06%  | 0.009%  |
| 62 | 12.349 | 1714 | 1716 | 1720 | rVB5 | 1163   | 1546    | 0.09%  | 0.012%  |
| 63 | 12.471 | 1730 | 1736 | 1741 | rBV8 | 3243   | 6553    | 0.37%  | 0.052%  |
| 64 | 12.519 | 1741 | 1744 | 1745 | rVV3 | 853    | 1000    | 0.06%  | 0.008%  |
| 65 | 12.599 | 1751 | 1757 | 1764 | rVV  | 89204  | 148310  | 8.34%  | 1.182%  |
| 66 | 12.690 | 1765 | 1772 | 1781 | rVB  | 276652 | 455248  | 25.59% | 3.630%  |
| 67 | 12.788 | 1787 | 1788 | 1793 | rVB4 | 1239   | 1350    | 0.08%  | 0.011%  |
| 68 | 12.849 | 1794 | 1798 | 1800 | rBV5 | 571    | 912     | 0.05%  | 0.007%  |
| 69 | 12.928 | 1803 | 1811 | 1816 | rBV5 | 5264   | 10601   | 0.60%  | 0.085%  |
| 70 | 13.178 | 1847 | 1852 | 1856 | rVB6 | 1307   | 2881    | 0.16%  | 0.023%  |
| 71 | 13.220 | 1856 | 1859 | 1860 | rBV3 | 2058   | 2296    | 0.13%  | 0.018%  |
| 72 | 13.287 | 1865 | 1870 | 1875 | rVB2 | 12958  | 21692   | 1.22%  | 0.173%  |
| 73 | 13.342 | 1878 | 1879 | 1883 | rBV4 | 1266   | 1269    | 0.07%  | 0.010%  |
| 74 | 13.397 | 1883 | 1888 | 1895 | rBV8 | 2863   | 5804    | 0.33%  | 0.046%  |
| 75 | 13.464 | 1895 | 1899 | 1901 | rBV4 | 3206   | 4141    | 0.23%  | 0.033%  |
| 76 | 13.556 | 1907 | 1914 | 1923 | rBV  | 745795 | 1206650 | 67.83% | 9.620%  |

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

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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\SFAMWLM101123SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.647 | 1925 | 1929 | 1935 | rVB  | 9836   | 15956   | 0.90%  | 0.127% |
| 78  | 13.757 | 1942 | 1947 | 1950 | rBV6 | 3068   | 4929    | 0.28%  | 0.039% |
| 79  | 13.848 | 1955 | 1962 | 1975 | rVV  | 628247 | 1053852 | 59.24% | 8.402% |
| 80  | 14.062 | 1992 | 1997 | 2006 | rBV2 | 43598  | 70142   | 3.94%  | 0.559% |
| 81  | 14.324 | 2034 | 2040 | 2044 | rVV7 | 4886   | 9655    | 0.54%  | 0.077% |
| 82  | 14.519 | 2066 | 2072 | 2077 | rVB5 | 4976   | 9206    | 0.52%  | 0.073% |
| 83  | 14.629 | 2088 | 2090 | 2093 | rBV3 | 984    | 1133    | 0.06%  | 0.009% |
| 84  | 14.684 | 2096 | 2099 | 2101 | rVV4 | 2150   | 3116    | 0.18%  | 0.025% |
| 85  | 14.714 | 2101 | 2104 | 2111 | rVB4 | 7230   | 10817   | 0.61%  | 0.086% |
| 86  | 14.915 | 2136 | 2137 | 2140 | rBV3 | 1215   | 1180    | 0.07%  | 0.009% |
| 87  | 15.013 | 2149 | 2153 | 2154 | rBV4 | 1450   | 1152    | 0.06%  | 0.009% |
| 88  | 15.031 | 2154 | 2156 | 2159 | rVB4 | 1261   | 1016    | 0.06%  | 0.008% |
| 89  | 15.074 | 2161 | 2163 | 2165 | rBV3 | 1081   | 988     | 0.06%  | 0.008% |
| 90  | 15.202 | 2180 | 2184 | 2187 | rVB5 | 2935   | 3716    | 0.21%  | 0.030% |
| 91  | 15.427 | 2212 | 2221 | 2226 | rVV  | 36093  | 67659   | 3.80%  | 0.539% |
| 92  | 15.482 | 2226 | 2230 | 2237 | rVB  | 9090   | 16476   | 0.93%  | 0.131% |
| 93  | 15.677 | 2259 | 2262 | 2268 | rVB5 | 3406   | 5460    | 0.31%  | 0.044% |
| 94  | 15.757 | 2270 | 2275 | 2277 | rBV5 | 3160   | 5006    | 0.28%  | 0.040% |
| 95  | 15.946 | 2304 | 2306 | 2307 | rBV2 | 1476   | 1065    | 0.06%  | 0.008% |
| 96  | 16.202 | 2346 | 2348 | 2350 | rBV3 | 1243   | 974     | 0.05%  | 0.008% |
| 97  | 16.360 | 2372 | 2374 | 2377 | rBV4 | 1181   | 1124    | 0.06%  | 0.009% |
| 98  | 16.391 | 2377 | 2379 | 2382 | rBV3 | 1398   | 1851    | 0.10%  | 0.015% |
| 99  | 16.537 | 2401 | 2403 | 2406 | rBV4 | 883    | 1047    | 0.06%  | 0.008% |
| 100 | 16.647 | 2419 | 2421 | 2424 | rBV4 | 1176   | 1705    | 0.10%  | 0.014% |

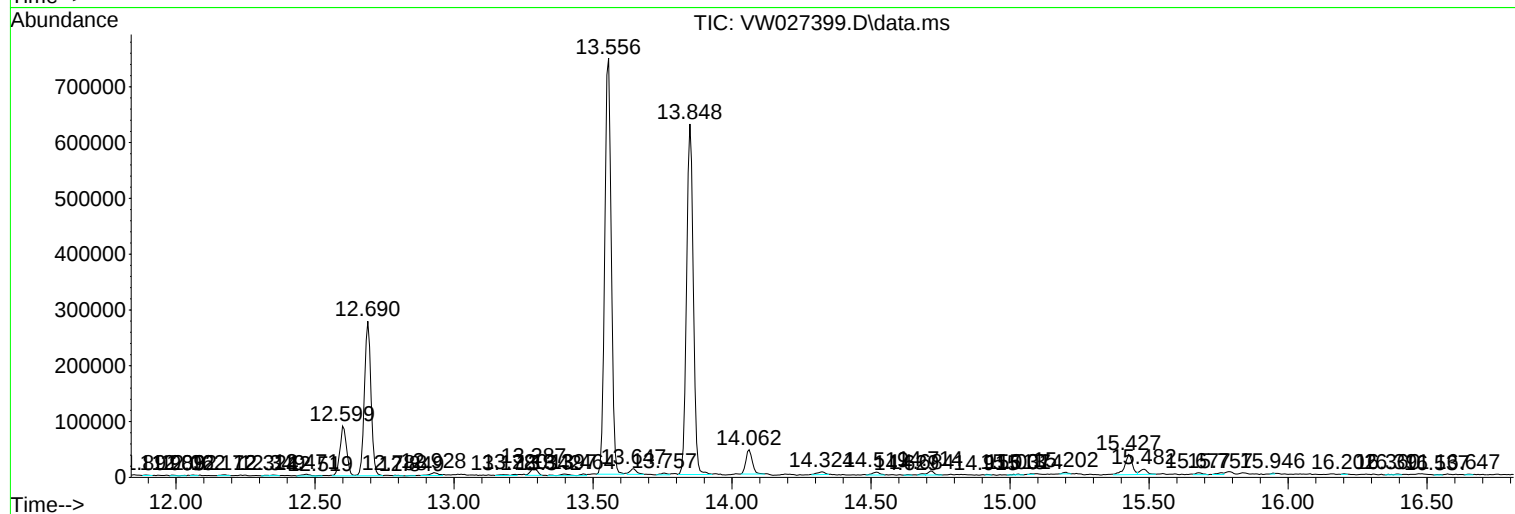
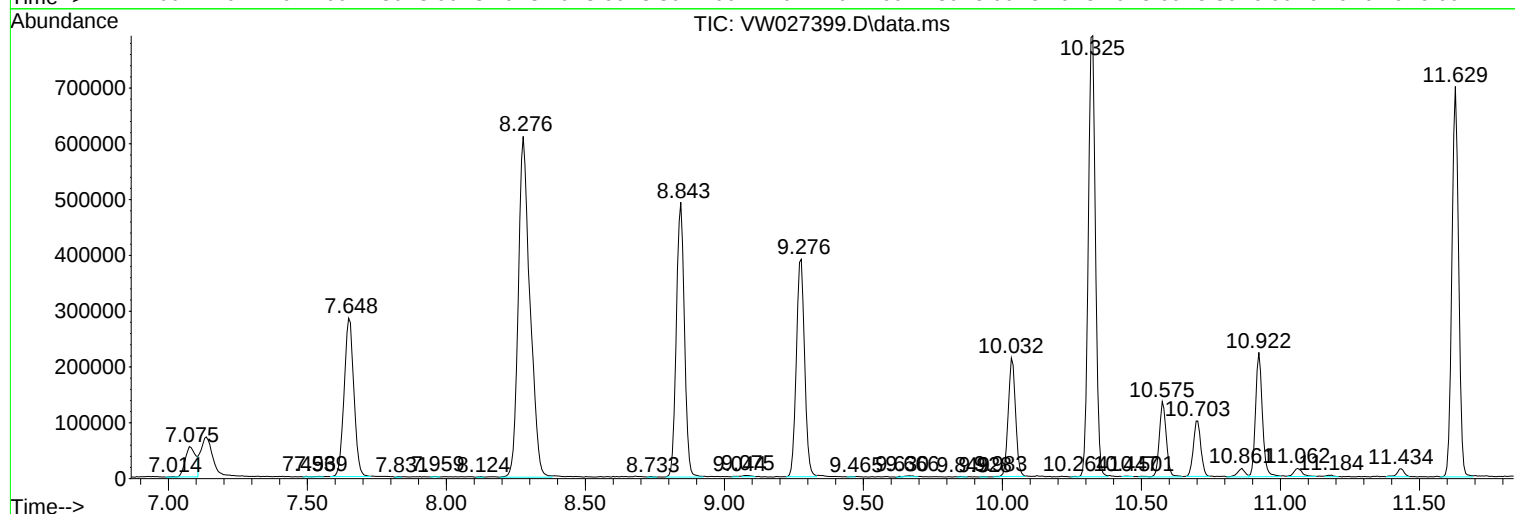
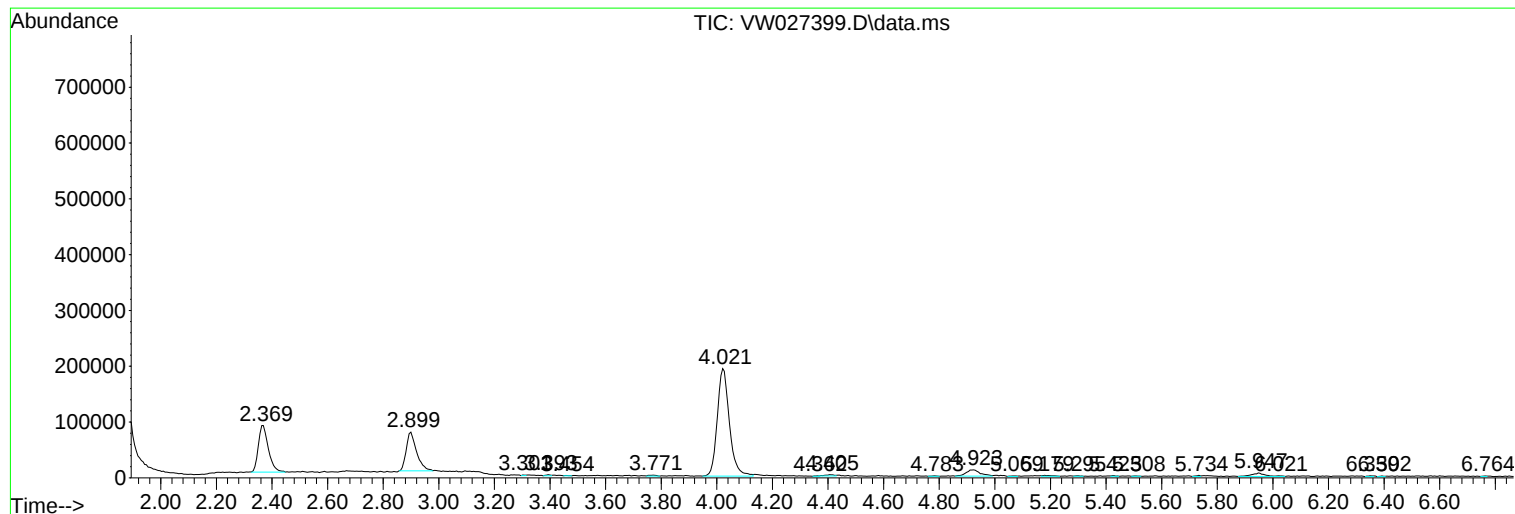
Sum of corrected areas: 12542829

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102323\  
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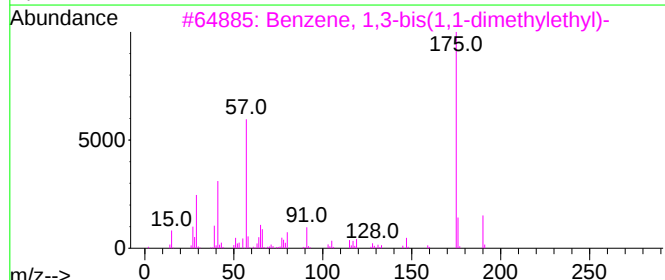
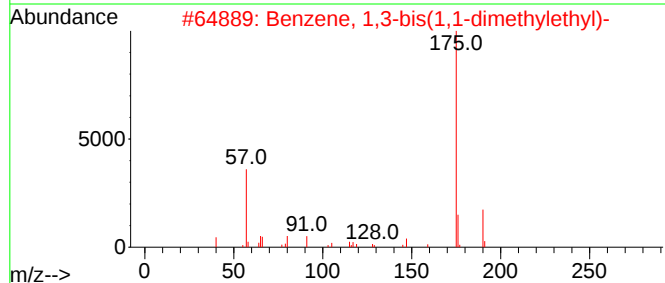
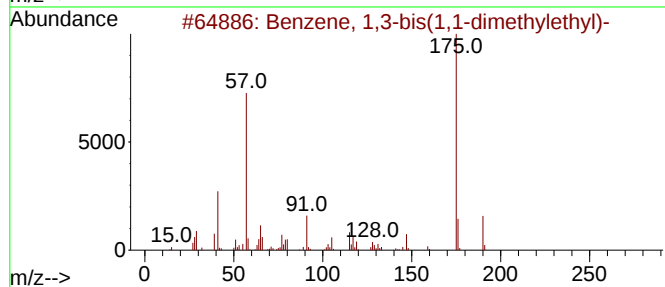
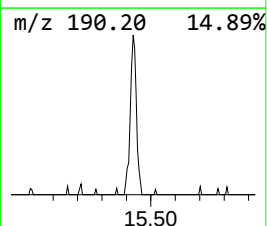
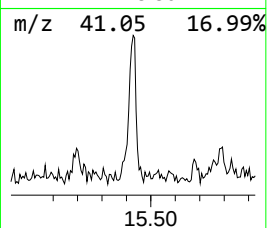
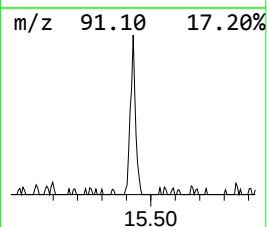
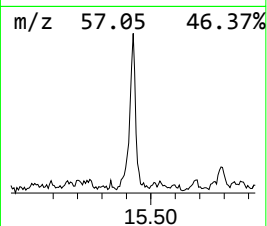
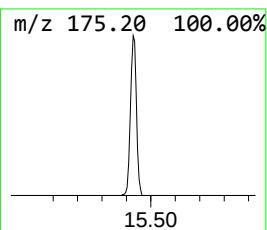
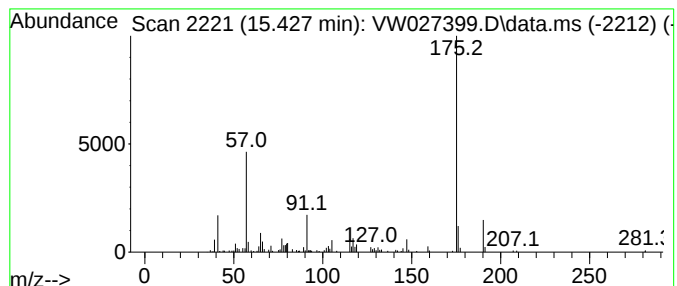
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 5 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.427 | 1.40 ug/L | 67659 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 91   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 90   |
| 3    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 87   |
| 4    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 87   |
| 5    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22  | 001012-72-2 | 83   |



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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 |
| Benzene, 1,3-bi... | 15.427 | 1.4     | ug/L  | 67659    | 3                     | 13.556 | 1206650 | 25.0 |