

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101823\  
 Data File : VW027322.D  
 Acq On : 18 Oct 2023 11:56  
 Operator : SY/MD  
 Sample : 04918-04RE  
 Misc : 5.26g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AG3RE

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: VW027322.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         | 2.357       | 71            | 77          | 90           | rVB      | 60429          | 117324        | 13.55%          | 2.085%        |
| 2         | 2.887       | 159           | 164         | 177          | rVB2     | 38083          | 102807        | 11.88%          | 1.827%        |
| 3         | 4.015       | 338           | 349         | 361          | rBV      | 110816         | 300274        | 34.69%          | 5.337%        |
| 4         | 4.393       | 403           | 411         | 414          | rBV6     | 2802           | 7013          | 0.81%           | 0.125%        |
| 5         | 4.509       | 428           | 430         | 434          | rVB5     | 967            | 1068          | 0.12%           | 0.019%        |
| 6         | 4.655       | 450           | 454         | 457          | rVB5     | 590            | 948           | 0.11%           | 0.017%        |
| 7         | 4.789       | 474           | 476         | 478          | rVB3     | 875            | 820           | 0.09%           | 0.015%        |
| 8         | 4.820       | 478           | 481         | 483          | rVB3     | 716            | 797           | 0.09%           | 0.014%        |
| 9         | 4.917       | 486           | 497         | 506          | rVV2     | 8952           | 29898         | 3.45%           | 0.531%        |
| 10        | 5.118       | 524           | 530         | 531          | rBV6     | 1633           | 2814          | 0.33%           | 0.050%        |
| 11        | 5.149       | 533           | 535         | 542          | rVV6     | 1365           | 2609          | 0.30%           | 0.046%        |
| 12        | 5.368       | 568           | 571         | 573          | rBV3     | 668            | 885           | 0.10%           | 0.016%        |
| 13        | 5.612       | 607           | 611         | 617          | rBV7     | 1052           | 2319          | 0.27%           | 0.041%        |
| 14        | 5.704       | 622           | 626         | 627          | rVV4     | 846            | 886           | 0.10%           | 0.016%        |
| 15        | 5.740       | 630           | 632         | 639          | rVV6     | 1090           | 1974          | 0.23%           | 0.035%        |
| 16        | 5.941       | 657           | 665         | 672          | rVV5     | 4760           | 13910         | 1.61%           | 0.247%        |
| 17        | 6.204       | 706           | 708         | 711          | rVB3     | 708            | 840           | 0.10%           | 0.015%        |
| 18        | 6.460       | 748           | 750         | 752          | rBV3     | 801            | 758           | 0.09%           | 0.013%        |
| 19        | 6.527       | 760           | 761         | 764          | rVB3     | 1294           | 990           | 0.11%           | 0.018%        |
| 20        | 7.081       | 842           | 852         | 854          | rBV2     | 28424          | 66640         | 7.70%           | 1.185%        |
| 21        | 7.130       | 855           | 860         | 874          | rVB2     | 62424          | 178798        | 20.66%          | 3.178%        |
| 22        | 7.289       | 883           | 886         | 889          | rBV5     | 817            | 787           | 0.09%           | 0.014%        |
| 23        | 7.466       | 911           | 915         | 917          | rBV3     | 564            | 859           | 0.10%           | 0.015%        |
| 24        | 7.648       | 934           | 945         | 957          | rBV      | 147789         | 362940        | 41.93%          | 6.451%        |
| 25        | 7.941       | 989           | 993         | 994          | rBV3     | 1775           | 1909          | 0.22%           | 0.034%        |
| 26        | 8.203       | 1032          | 1036        | 1037         | rBV4     | 1086           | 1469          | 0.17%           | 0.026%        |
| 27        | 8.276       | 1037          | 1048        | 1065         | rBV2     | 290294         | 865596        | 100.00%         | 15.386%       |
| 28        | 8.837       | 1131          | 1140        | 1152         | rBV      | 277357         | 559040        | 64.58%          | 9.937%        |
| 29        | 8.923       | 1152          | 1154        | 1157         | rVB4     | 1219           | 1063          | 0.12%           | 0.019%        |
| 30        | 9.026       | 1169          | 1171        | 1172         | rBV2     | 785            | 765           | 0.09%           | 0.014%        |
| 31        | 9.069       | 1175          | 1178        | 1181         | rVV5     | 1101           | 1462          | 0.17%           | 0.026%        |
| 32        | 9.270       | 1201          | 1211        | 1219         | rBV      | 200721         | 414825        | 47.92%          | 7.373%        |
| 33        | 9.575       | 1259          | 1261        | 1263         | rBV3     | 742            | 814           | 0.09%           | 0.014%        |
| 34        | 9.666       | 1274          | 1276        | 1280         | rBV5     | 1229           | 1498          | 0.17%           | 0.027%        |
| 35        | 9.776       | 1291          | 1294        | 1297         | rVB3     | 975            | 1017          | 0.12%           | 0.018%        |
| 36        | 10.032      | 1325          | 1336        | 1349         | rBV      | 91072          | 171000        | 19.76%          | 3.039%        |

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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

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 10.124 | 1349 | 1351 | 1353 | rBV2 | 700    | 953    | 0.11%  | 0.017%  |
| 38 | 10.319 | 1375 | 1383 | 1392 | rBV  | 339031 | 613525 | 70.88% | 10.905% |
| 39 | 10.447 | 1402 | 1404 | 1407 | rBV4 | 750    | 810    | 0.09%  | 0.014%  |
| 40 | 10.508 | 1411 | 1414 | 1418 | rVB4 | 1085   | 1507   | 0.17%  | 0.027%  |
| 41 | 10.575 | 1418 | 1425 | 1433 | rBV  | 46928  | 88364  | 10.21% | 1.571%  |
| 42 | 10.697 | 1438 | 1445 | 1452 | rVB2 | 23194  | 44876  | 5.18%  | 0.798%  |
| 43 | 10.752 | 1452 | 1454 | 1455 | rBV2 | 917    | 897    | 0.10%  | 0.016%  |
| 44 | 10.861 | 1464 | 1472 | 1477 | rBV  | 98597  | 169499 | 19.58% | 3.013%  |
| 45 | 10.922 | 1477 | 1482 | 1494 | rVB  | 76039  | 135415 | 15.64% | 2.407%  |
| 46 | 11.069 | 1500 | 1506 | 1513 | rVB9 | 3597   | 8245   | 0.95%  | 0.147%  |
| 47 | 11.178 | 1519 | 1524 | 1529 | rBV7 | 1884   | 3943   | 0.46%  | 0.070%  |
| 48 | 11.276 | 1538 | 1540 | 1546 | rVB6 | 644    | 881    | 0.10%  | 0.016%  |
| 49 | 11.398 | 1558 | 1560 | 1561 | rBV2 | 1036   | 754    | 0.09%  | 0.013%  |
| 50 | 11.434 | 1561 | 1566 | 1573 | rVB3 | 5694   | 11143  | 1.29%  | 0.198%  |
| 51 | 11.629 | 1589 | 1598 | 1606 | rBV  | 284777 | 473894 | 54.75% | 8.423%  |
| 52 | 11.806 | 1623 | 1627 | 1628 | rBV5 | 646    | 926    | 0.11%  | 0.016%  |
| 53 | 11.837 | 1628 | 1632 | 1639 | rVV6 | 2955   | 7065   | 0.82%  | 0.126%  |
| 54 | 11.916 | 1643 | 1645 | 1648 | rVB3 | 925    | 986    | 0.11%  | 0.018%  |
| 55 | 12.166 | 1681 | 1686 | 1693 | rVV6 | 3195   | 6177   | 0.71%  | 0.110%  |
| 56 | 12.294 | 1703 | 1707 | 1708 | rBV4 | 599    | 832    | 0.10%  | 0.015%  |
| 57 | 12.343 | 1712 | 1715 | 1718 | rVB4 | 1225   | 1285   | 0.15%  | 0.023%  |
| 58 | 12.465 | 1731 | 1735 | 1739 | rVV6 | 3687   | 5982   | 0.69%  | 0.106%  |
| 59 | 12.526 | 1744 | 1745 | 1748 | rVB3 | 988    | 781    | 0.09%  | 0.014%  |
| 60 | 12.599 | 1750 | 1757 | 1764 | rBV  | 33617  | 57132  | 6.60%  | 1.016%  |
| 61 | 12.690 | 1765 | 1772 | 1782 | rVV  | 116235 | 190392 | 22.00% | 3.384%  |
| 62 | 12.776 | 1782 | 1786 | 1787 | rVB4 | 1226   | 1516   | 0.18%  | 0.027%  |
| 63 | 12.934 | 1808 | 1812 | 1820 | rBV9 | 2785   | 6238   | 0.72%  | 0.111%  |
| 64 | 13.099 | 1836 | 1839 | 1842 | rBV5 | 729    | 800    | 0.09%  | 0.014%  |
| 65 | 13.154 | 1846 | 1848 | 1849 | rBV2 | 952    | 967    | 0.11%  | 0.017%  |
| 66 | 13.190 | 1851 | 1854 | 1856 | rVV3 | 917    | 1038   | 0.12%  | 0.018%  |
| 67 | 13.245 | 1859 | 1863 | 1866 | rBV3 | 2444   | 3429   | 0.40%  | 0.061%  |
| 68 | 13.288 | 1866 | 1870 | 1877 | rVB3 | 6010   | 10248  | 1.18%  | 0.182%  |
| 69 | 13.343 | 1877 | 1879 | 1883 | rBV5 | 826    | 1164   | 0.13%  | 0.021%  |
| 70 | 13.397 | 1883 | 1888 | 1893 | rVB7 | 2423   | 3674   | 0.42%  | 0.065%  |
| 71 | 13.464 | 1893 | 1899 | 1902 | rBV6 | 2131   | 3894   | 0.45%  | 0.069%  |
| 72 | 13.495 | 1902 | 1904 | 1907 | rBV3 | 1401   | 1665   | 0.19%  | 0.030%  |
| 73 | 13.556 | 1907 | 1914 | 1926 | rBV  | 151229 | 242591 | 28.03% | 4.312%  |
| 74 | 13.751 | 1942 | 1946 | 1948 | rBV5 | 2052   | 2281   | 0.26%  | 0.041%  |
| 75 | 13.849 | 1956 | 1962 | 1969 | rBV  | 122002 | 205236 | 23.71% | 3.648%  |
| 76 | 13.946 | 1976 | 1978 | 1985 | rVB7 | 1868   | 2470   | 0.29%  | 0.044%  |

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Instrument :  
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 ClientSampleId :  
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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\SFAMWLM101123SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 14.013 | 1985 | 1989 | 1990 | rBV4 | 1688  | 1876  | 0.22% | 0.033% |
| 78  | 14.056 | 1992 | 1996 | 2002 | rVV2 | 10708 | 17601 | 2.03% | 0.313% |
| 79  | 14.178 | 2013 | 2016 | 2018 | rBV3 | 1224  | 1279  | 0.15% | 0.023% |
| 80  | 14.294 | 2030 | 2035 | 2037 | rVV6 | 751   | 1389  | 0.16% | 0.025% |
| 81  | 14.330 | 2037 | 2041 | 2043 | rVV4 | 1478  | 1905  | 0.22% | 0.034% |
| 82  | 14.348 | 2043 | 2044 | 2047 | rVV3 | 817   | 762   | 0.09% | 0.014% |
| 83  | 14.489 | 2064 | 2067 | 2068 | rBV3 | 845   | 816   | 0.09% | 0.015% |
| 84  | 14.623 | 2084 | 2089 | 2096 | rVV7 | 2480  | 5093  | 0.59% | 0.091% |
| 85  | 14.684 | 2096 | 2099 | 2101 | rVV4 | 1405  | 2197  | 0.25% | 0.039% |
| 86  | 14.714 | 2101 | 2104 | 2110 | rVV6 | 3091  | 5133  | 0.59% | 0.091% |
| 87  | 14.787 | 2114 | 2116 | 2119 | rVV3 | 936   | 1020  | 0.12% | 0.018% |
| 88  | 14.830 | 2119 | 2123 | 2127 | rVB6 | 989   | 1720  | 0.20% | 0.031% |
| 89  | 14.867 | 2127 | 2129 | 2134 | rVB6 | 1049  | 1085  | 0.13% | 0.019% |
| 90  | 14.982 | 2146 | 2148 | 2150 | rBV3 | 869   | 923   | 0.11% | 0.016% |
| 91  | 15.129 | 2169 | 2172 | 2177 | rVB6 | 2303  | 4145  | 0.48% | 0.074% |
| 92  | 15.220 | 2186 | 2187 | 2191 | rBV3 | 855   | 919   | 0.11% | 0.016% |
| 93  | 15.360 | 2205 | 2210 | 2212 | rBV5 | 3066  | 4844  | 0.56% | 0.086% |
| 94  | 15.428 | 2216 | 2221 | 2227 | rVV  | 15648 | 28595 | 3.30% | 0.508% |
| 95  | 15.519 | 2234 | 2236 | 2237 | rVV2 | 1110  | 907   | 0.10% | 0.016% |
| 96  | 15.537 | 2237 | 2239 | 2246 | rVB7 | 2593  | 5894  | 0.68% | 0.105% |
| 97  | 15.677 | 2260 | 2262 | 2267 | rVB5 | 1067  | 1238  | 0.14% | 0.022% |
| 98  | 15.866 | 2291 | 2293 | 2296 | rBV4 | 1029  | 1081  | 0.12% | 0.019% |
| 99  | 16.019 | 2315 | 2318 | 2319 | rBV3 | 1352  | 1777  | 0.21% | 0.032% |
| 100 | 16.592 | 2410 | 2412 | 2415 | rVB4 | 995   | 902   | 0.10% | 0.016% |

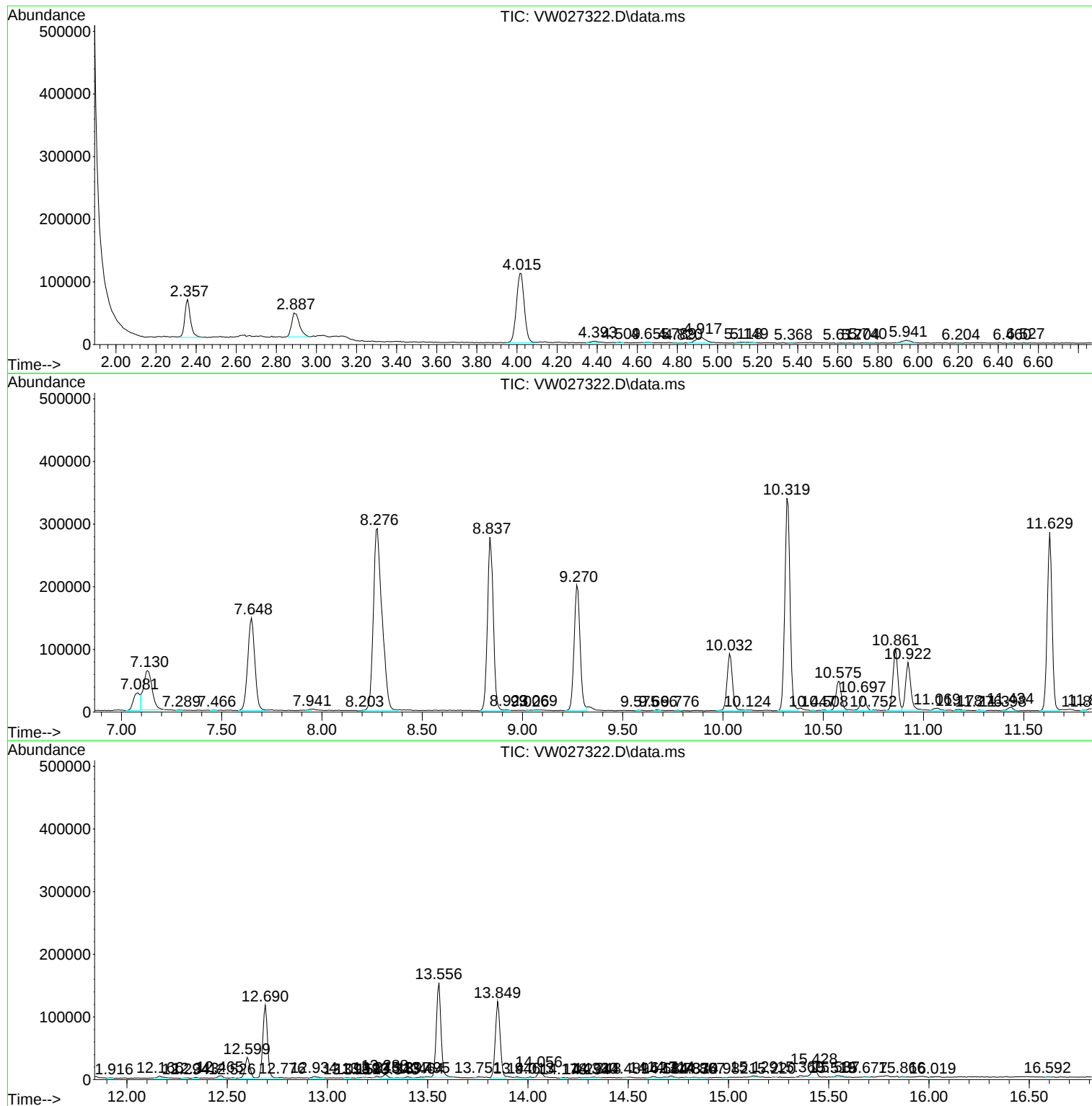
Sum of corrected areas: 5625992

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Instrument :  
MSVOA\_W  
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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



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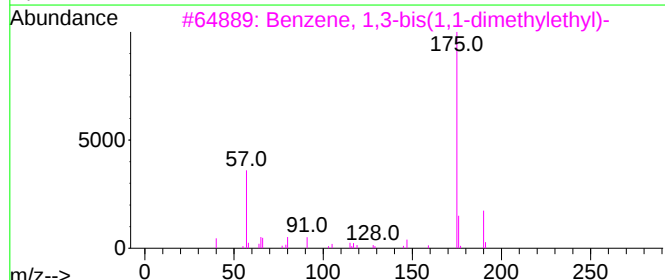
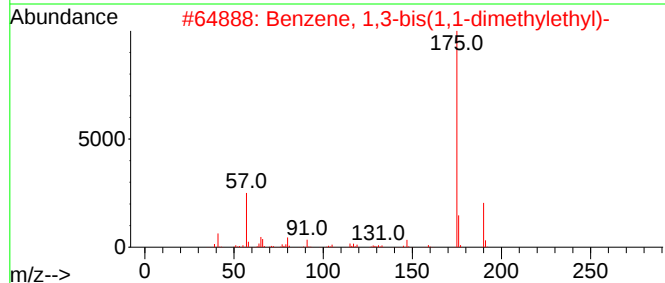
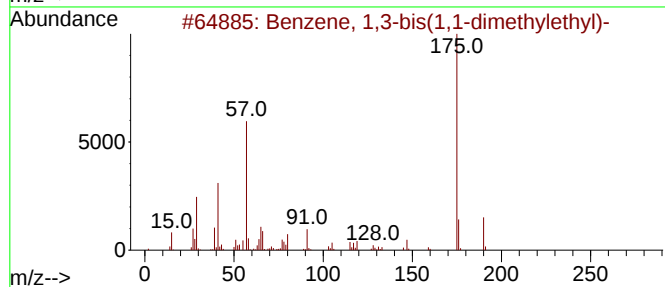
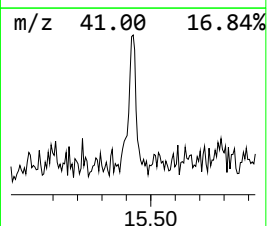
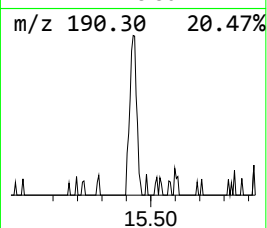
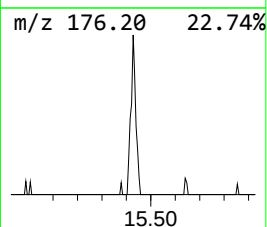
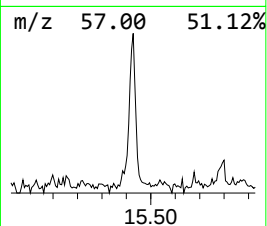
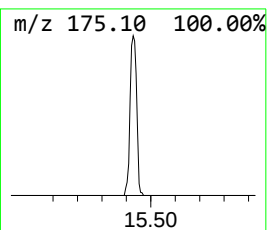
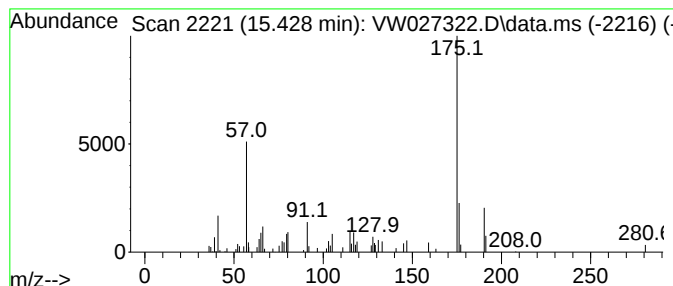
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 7 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.428 | 2.95 ug/L | 28595 | 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 | 72   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 72   |
| 3    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 59   |
| 4    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22  | 001012-72-2 | 59   |
| 5    |    |   | Benzenepropanal, 4-(1,1-dimethyl... | 190 | C13H18O | 018127-01-0 | 58   |



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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... | 15.428 | 3.0     | ug/L  | 28595    | 3                     | 13.556 | 242591 | 25.0 |