

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121423\  
 Data File : VW027616.D  
 Acq On : 14 Dec 2023 09:34  
 Operator : SY/MD  
 Sample : VW1214SBL01  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK407

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\SFAMWLM120623SMA.M  
 Title : SFAM01.0

Signal : TIC: VW027616.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         | 2.180       | 44            | 48          | 53           | rBV      | 11155          | 18418         | 1.99%           | 0.267%        |
| 2         | 2.363       | 73            | 78          | 88           | rVB      | 72141          | 136925        | 14.83%          | 1.985%        |
| 3         | 2.893       | 161           | 165         | 182          | rVB      | 45497          | 119568        | 12.95%          | 1.733%        |
| 4         | 3.539       | 269           | 271         | 274          | rVB4     | 1728           | 1587          | 0.17%           | 0.023%        |
| 5         | 3.576       | 275           | 277         | 278          | rBV2     | 974            | 631           | 0.07%           | 0.009%        |
| 6         | 4.021       | 342           | 350         | 361          | rVB      | 123113         | 321288        | 34.80%          | 4.657%        |
| 7         | 4.594       | 440           | 444         | 447          | rBV6     | 1425           | 1756          | 0.19%           | 0.025%        |
| 8         | 4.789       | 475           | 476         | 477          | rBV      | 1199           | 505           | 0.05%           | 0.007%        |
| 9         | 5.307       | 558           | 561         | 562          | rBV3     | 1289           | 1609          | 0.17%           | 0.023%        |
| 10        | 5.460       | 584           | 586         | 588          | rBV3     | 920            | 667           | 0.07%           | 0.010%        |
| 11        | 5.484       | 588           | 590         | 593          | rVB4     | 1450           | 1576          | 0.17%           | 0.023%        |
| 12        | 5.508       | 593           | 594         | 596          | rBV2     | 1502           | 1268          | 0.14%           | 0.018%        |
| 13        | 5.624       | 611           | 613         | 614          | rBV2     | 1090           | 768           | 0.08%           | 0.011%        |
| 14        | 5.643       | 614           | 616         | 619          | rVB4     | 1353           | 974           | 0.11%           | 0.014%        |
| 15        | 5.667       | 619           | 620         | 622          | rBV2     | 829            | 673           | 0.07%           | 0.010%        |
| 16        | 5.886       | 654           | 656         | 658          | rBV2     | 1752           | 1181          | 0.13%           | 0.017%        |
| 17        | 6.045       | 680           | 682         | 685          | rVB4     | 1221           | 1223          | 0.13%           | 0.018%        |
| 18        | 6.344       | 729           | 731         | 732          | rBV2     | 1365           | 856           | 0.09%           | 0.012%        |
| 19        | 6.362       | 732           | 734         | 735          | rBV2     | 944            | 729           | 0.08%           | 0.011%        |
| 20        | 6.484       | 753           | 754         | 759          | rVB5     | 1123           | 1731          | 0.19%           | 0.025%        |
| 21        | 6.539       | 759           | 763         | 764          | rBV3     | 1567           | 1658          | 0.18%           | 0.024%        |
| 22        | 6.606       | 772           | 774         | 776          | rBV3     | 832            | 683           | 0.07%           | 0.010%        |
| 23        | 6.819       | 807           | 809         | 810          | rBV2     | 804            | 658           | 0.07%           | 0.010%        |
| 24        | 6.838       | 810           | 812         | 813          | rVB2     | 1798           | 991           | 0.11%           | 0.014%        |
| 25        | 6.856       | 813           | 815         | 818          | rBV4     | 1863           | 1872          | 0.20%           | 0.027%        |
| 26        | 6.911       | 822           | 824         | 826          | rVV3     | 1463           | 917           | 0.10%           | 0.013%        |
| 27        | 6.935       | 826           | 828         | 831          | rVV4     | 1412           | 1399          | 0.15%           | 0.020%        |
| 28        | 7.081       | 843           | 852         | 854          | rBV2     | 24483          | 58320         | 6.32%           | 0.845%        |
| 29        | 7.453       | 911           | 913         | 914          | rBV2     | 667            | 393           | 0.04%           | 0.006%        |
| 30        | 7.648       | 934           | 945         | 954          | rBV      | 151570         | 368865        | 39.95%          | 5.346%        |
| 31        | 8.075       | 1013          | 1015        | 1017         | rVB3     | 1207           | 779           | 0.08%           | 0.011%        |
| 32        | 8.160       | 1025          | 1029        | 1030         | rBV4     | 1437           | 1876          | 0.20%           | 0.027%        |
| 33        | 8.270       | 1037          | 1047        | 1065         | rBV2     | 310981         | 923287        | 100.00%         | 13.382%       |
| 34        | 8.673       | 1112          | 1113        | 1114         | rBV      | 1583           | 641           | 0.07%           | 0.009%        |
| 35        | 8.727       | 1120          | 1122        | 1123         | rBV2     | 1429           | 1012          | 0.11%           | 0.015%        |
| 36        | 8.746       | 1123          | 1125        | 1126         | rBV2     | 756            | 544           | 0.06%           | 0.008%        |

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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

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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\SFAMWLM120623SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 8.843  | 1133 | 1141 | 1150 | rBV  | 308252 | 618821 | 67.02% | 8.969%  |
| 38 | 9.179  | 1194 | 1196 | 1199 | rBV4 | 876    | 805    | 0.09%  | 0.012%  |
| 39 | 9.209  | 1199 | 1201 | 1203 | rBV3 | 1311   | 1623   | 0.18%  | 0.024%  |
| 40 | 9.270  | 1204 | 1211 | 1220 | rVB  | 197283 | 402547 | 43.60% | 5.834%  |
| 41 | 9.483  | 1244 | 1246 | 1247 | rBV2 | 786    | 453    | 0.05%  | 0.007%  |
| 42 | 9.928  | 1317 | 1319 | 1321 | rVB3 | 780    | 431    | 0.05%  | 0.006%  |
| 43 | 10.032 | 1330 | 1336 | 1346 | rVB  | 98219  | 179376 | 19.43% | 2.600%  |
| 44 | 10.124 | 1349 | 1351 | 1355 | rVB4 | 1707   | 1678   | 0.18%  | 0.024%  |
| 45 | 10.319 | 1376 | 1383 | 1392 | rBV  | 408370 | 738003 | 79.93% | 10.696% |
| 46 | 10.441 | 1401 | 1403 | 1408 | rBV  | 3786   | 6158   | 0.67%  | 0.089%  |
| 47 | 10.575 | 1419 | 1425 | 1433 | rBV  | 55717  | 98579  | 10.68% | 1.429%  |
| 48 | 10.697 | 1439 | 1445 | 1453 | rVB  | 94929  | 176364 | 19.10% | 2.556%  |
| 49 | 10.849 | 1464 | 1470 | 1472 | rBV7 | 2969   | 5453   | 0.59%  | 0.079%  |
| 50 | 10.922 | 1476 | 1482 | 1491 | rVV  | 86417  | 146408 | 15.86% | 2.122%  |
| 51 | 11.062 | 1500 | 1505 | 1509 | rBV2 | 10642  | 19162  | 2.08%  | 0.278%  |
| 52 | 11.434 | 1558 | 1566 | 1574 | rVB  | 41938  | 74438  | 8.06%  | 1.079%  |
| 53 | 11.514 | 1578 | 1579 | 1580 | rVB  | 987    | 361    | 0.04%  | 0.005%  |
| 54 | 11.532 | 1580 | 1582 | 1585 | rBV4 | 701    | 502    | 0.05%  | 0.007%  |
| 55 | 11.629 | 1591 | 1598 | 1610 | rVB  | 420277 | 703102 | 76.15% | 10.191% |
| 56 | 11.910 | 1642 | 1644 | 1647 | rBV4 | 1035   | 1307   | 0.14%  | 0.019%  |
| 57 | 12.007 | 1659 | 1660 | 1662 | rBV2 | 817    | 714    | 0.08%  | 0.010%  |
| 58 | 12.050 | 1665 | 1667 | 1669 | rVB3 | 1165   | 663    | 0.07%  | 0.010%  |
| 59 | 12.074 | 1669 | 1671 | 1673 | rBV2 | 657    | 476    | 0.05%  | 0.007%  |
| 60 | 12.093 | 1673 | 1674 | 1675 | rVB  | 484    | 177    | 0.02%  | 0.003%  |
| 61 | 12.105 | 1675 | 1676 | 1677 | rBV  | 966    | 542    | 0.06%  | 0.008%  |
| 62 | 12.141 | 1680 | 1682 | 1684 | rBV3 | 866    | 595    | 0.06%  | 0.009%  |
| 63 | 12.221 | 1694 | 1695 | 1696 | rBV  | 768    | 511    | 0.06%  | 0.007%  |
| 64 | 12.312 | 1707 | 1710 | 1713 | rBV5 | 1197   | 1925   | 0.21%  | 0.028%  |
| 65 | 12.349 | 1714 | 1716 | 1717 | rVB2 | 1883   | 1070   | 0.12%  | 0.016%  |
| 66 | 12.404 | 1723 | 1725 | 1727 | rVB3 | 1057   | 916    | 0.10%  | 0.013%  |
| 67 | 12.446 | 1729 | 1732 | 1733 | rBV3 | 2148   | 1832   | 0.20%  | 0.027%  |
| 68 | 12.526 | 1742 | 1745 | 1747 | rBV3 | 1086   | 1747   | 0.19%  | 0.025%  |
| 69 | 12.599 | 1749 | 1757 | 1764 | rBV  | 86209  | 150401 | 16.29% | 2.180%  |
| 70 | 12.690 | 1764 | 1772 | 1780 | rBV  | 131297 | 216236 | 23.42% | 3.134%  |
| 71 | 12.757 | 1780 | 1783 | 1784 | rBV3 | 1281   | 1320   | 0.14%  | 0.019%  |
| 72 | 12.818 | 1789 | 1793 | 1795 | rBV5 | 1818   | 2857   | 0.31%  | 0.041%  |
| 73 | 12.891 | 1803 | 1805 | 1806 | rBV2 | 827    | 837    | 0.09%  | 0.012%  |
| 74 | 12.928 | 1806 | 1811 | 1819 | rVB2 | 4322   | 10985  | 1.19%  | 0.159%  |
| 75 | 13.123 | 1840 | 1843 | 1846 | rVB4 | 1239   | 1801   | 0.20%  | 0.026%  |
| 76 | 13.153 | 1846 | 1848 | 1850 | rBV3 | 1548   | 2008   | 0.22%  | 0.029%  |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK407

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\SFAMWLM120623SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |       |        |        |        |        |
|----|--------|------|------|------|-------|--------|--------|--------|--------|
| 77 | 13.288 | 1865 | 1870 | 1879 | rVB2  | 20031  | 36133  | 3.91%  | 0.524% |
| 78 | 13.397 | 1885 | 1888 | 1894 | rVB7  | 3157   | 4924   | 0.53%  | 0.071% |
| 79 | 13.556 | 1907 | 1914 | 1920 | rBV   | 403765 | 664665 | 71.99% | 9.633% |
| 80 | 13.848 | 1956 | 1962 | 1968 | rBV   | 309181 | 507052 | 54.92% | 7.349% |
| 81 | 14.062 | 1992 | 1997 | 2006 | rVB   | 26405  | 44276  | 4.80%  | 0.642% |
| 82 | 14.293 | 2030 | 2035 | 2036 | rBV5  | 2304   | 3457   | 0.37%  | 0.050% |
| 83 | 14.409 | 2052 | 2054 | 2056 | rBV3  | 1175   | 890    | 0.10%  | 0.013% |
| 84 | 14.428 | 2056 | 2057 | 2059 | rVB2  | 1050   | 682    | 0.07%  | 0.010% |
| 85 | 14.592 | 2082 | 2084 | 2085 | rVB2  | 1248   | 596    | 0.06%  | 0.009% |
| 86 | 14.623 | 2085 | 2089 | 2092 | rBV5  | 2891   | 5010   | 0.54%  | 0.073% |
| 87 | 14.763 | 2110 | 2112 | 2114 | rBV3  | 1523   | 1599   | 0.17%  | 0.023% |
| 88 | 14.830 | 2121 | 2123 | 2127 | rBV5  | 982    | 870    | 0.09%  | 0.013% |
| 89 | 15.025 | 2154 | 2155 | 2158 | rVB3  | 2247   | 1695   | 0.18%  | 0.025% |
| 90 | 15.049 | 2158 | 2159 | 2161 | rBV2  | 1264   | 880    | 0.10%  | 0.013% |
| 91 | 15.098 | 2163 | 2167 | 2168 | rBV4  | 2677   | 3290   | 0.36%  | 0.048% |
| 92 | 15.129 | 2168 | 2172 | 2180 | rVV10 | 5173   | 10653  | 1.15%  | 0.154% |
| 93 | 15.208 | 2183 | 2185 | 2190 | rVV6  | 1422   | 1644   | 0.18%  | 0.024% |
| 94 | 15.330 | 2203 | 2205 | 2206 | rVB2  | 1194   | 512    | 0.06%  | 0.007% |
| 95 | 15.360 | 2206 | 2210 | 2213 | rBV3  | 3775   | 6935   | 0.75%  | 0.101% |
| 96 | 15.427 | 2216 | 2221 | 2226 | rVB2  | 28673  | 48521  | 5.26%  | 0.703% |
| 97 | 15.598 | 2247 | 2249 | 2252 | rVB4  | 1975   | 1291   | 0.14%  | 0.019% |
| 98 | 15.677 | 2259 | 2262 | 2263 | rBV3  | 1880   | 1648   | 0.18%  | 0.024% |
| 99 | 15.903 | 2297 | 2299 | 2301 | rBV3  | 1387   | 1298   | 0.14%  | 0.019% |

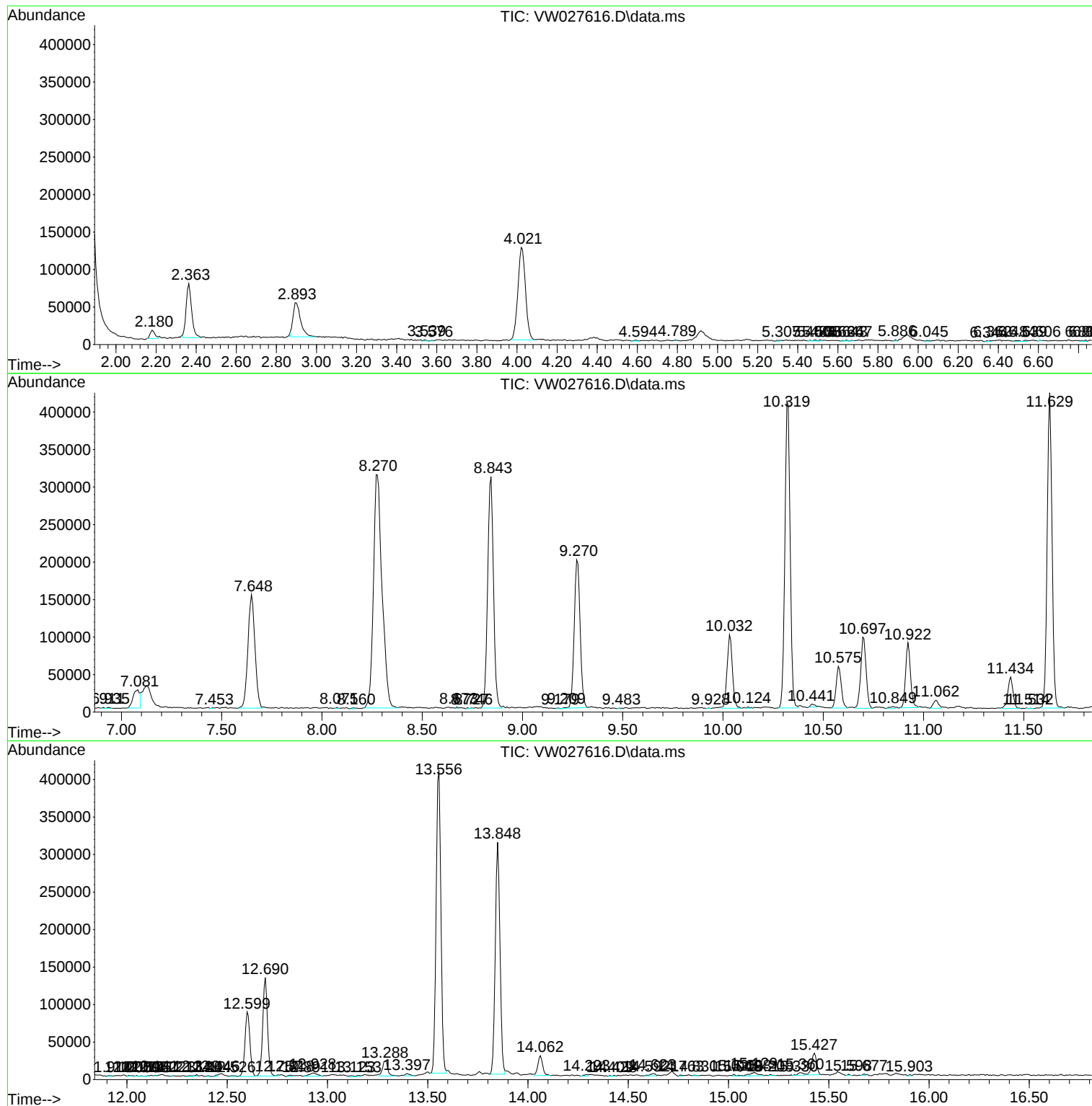
Sum of corrected areas: 6899533

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Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120623SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121423\  
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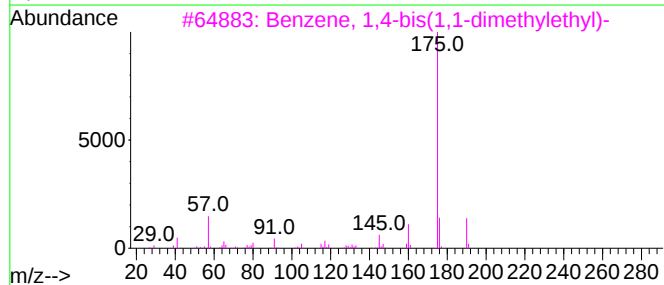
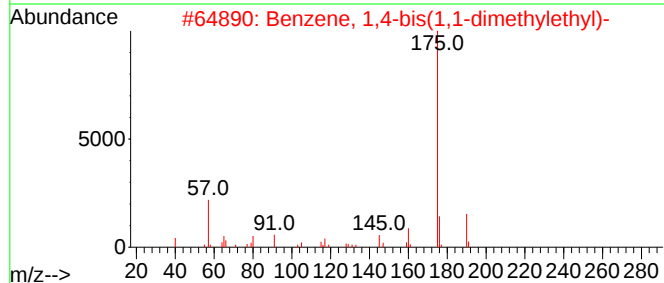
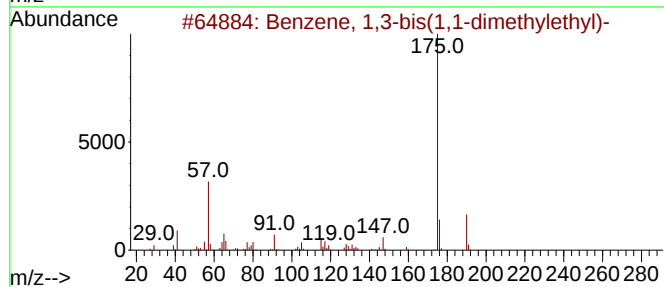
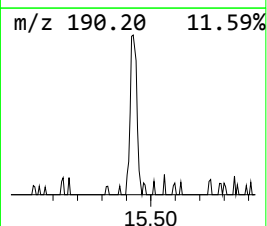
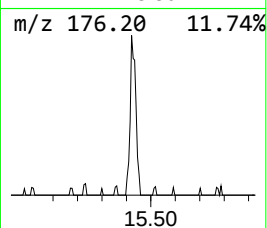
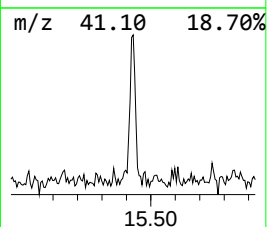
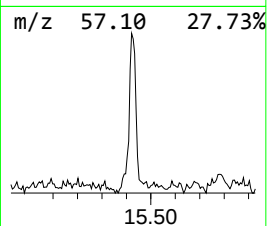
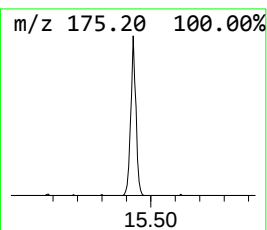
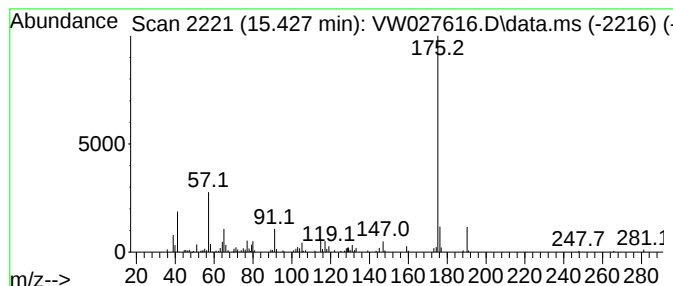
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120623SMA.M  
Quant Title : SFAM01.0

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 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.427 | 1.83 ug/L | 48521 | 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 | 74   |
| 2    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22   | 001012-72-2 | 72   |
| 3    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22   | 001012-72-2 | 64   |
| 4    |    |   | 4,5-Dihydro-5-oxo-3-(p-tolyl)iso... | 175 | C10H9NO2 | 025755-82-2 | 59   |
| 5    |    |   | 4-Methyl-2,6-dihydroxyquinoline     | 175 | C10H9NO2 | 034982-01-9 | 58   |



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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 | 1.8     | ug/L  | 48521    | 3                     | 13.556 | 664665 | 25.0 |