

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW050323\  
 Data File : VW025835.D  
 Acq On : 03 May 2023 18:33  
 Operator : SY/MD  
 Sample : 02574-22  
 Misc : 4.83g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DCCQ4

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\SFAMWLM050123SMA.M  
 Title : SFAM01.0

Signal : TIC: VW025835.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         | 2.143       | 39            | 42          | 43           | rBV3     | 4238           | 4167          | 0.19%           | 0.023%        |
| 2         | 2.363       | 71            | 78          | 92           | rBV      | 108321         | 311613        | 13.85%          | 1.752%        |
| 3         | 2.893       | 159           | 165         | 181          | rVB      | 85165          | 246172        | 10.94%          | 1.384%        |
| 4         | 3.381       | 243           | 245         | 249          | rBV4     | 2449           | 3294          | 0.15%           | 0.019%        |
| 5         | 3.472       | 258           | 260         | 265          | rVB5     | 1549           | 2184          | 0.10%           | 0.012%        |
| 6         | 3.741       | 301           | 304         | 306          | rVB4     | 2297           | 2407          | 0.11%           | 0.014%        |
| 7         | 3.771       | 306           | 309         | 310          | rBV3     | 1852           | 1695          | 0.08%           | 0.010%        |
| 8         | 4.021       | 338           | 350         | 364          | rBV      | 210365         | 764232        | 33.96%          | 4.296%        |
| 9         | 4.259       | 386           | 389         | 394          | rVB7     | 1496           | 2933          | 0.13%           | 0.016%        |
| 10        | 4.393       | 403           | 411         | 413          | rBV8     | 3426           | 6928          | 0.31%           | 0.039%        |
| 11        | 4.594       | 439           | 444         | 445          | rBV5     | 1185           | 1766          | 0.08%           | 0.010%        |
| 12        | 4.917       | 485           | 497         | 514          | rBV      | 57054          | 218308        | 9.70%           | 1.227%        |
| 13        | 5.082       | 522           | 524         | 529          | rVB6     | 1649           | 1859          | 0.08%           | 0.010%        |
| 14        | 5.423       | 578           | 580         | 584          | rVB5     | 2006           | 2316          | 0.10%           | 0.013%        |
| 15        | 5.661       | 617           | 619         | 621          | rBV2     | 1845           | 1765          | 0.08%           | 0.010%        |
| 16        | 5.679       | 621           | 622         | 626          | rVB4     | 1612           | 1820          | 0.08%           | 0.010%        |
| 17        | 5.740       | 629           | 632         | 633          | rBV3     | 2083           | 1796          | 0.08%           | 0.010%        |
| 18        | 5.948       | 657           | 666         | 674          | rBV3     | 14205          | 42624         | 1.89%           | 0.240%        |
| 19        | 6.216       | 706           | 710         | 714          | rVB6     | 1494           | 2276          | 0.10%           | 0.013%        |
| 20        | 6.277       | 718           | 720         | 722          | rBV3     | 1937           | 1669          | 0.07%           | 0.009%        |
| 21        | 6.325       | 725           | 728         | 729          | rBV3     | 1600           | 2157          | 0.10%           | 0.012%        |
| 22        | 6.380       | 735           | 737         | 739          | rBV3     | 1551           | 1669          | 0.07%           | 0.009%        |
| 23        | 6.417       | 741           | 743         | 747          | rVB5     | 1392           | 1861          | 0.08%           | 0.010%        |
| 24        | 6.472       | 747           | 752         | 753          | rBV5     | 1765           | 2355          | 0.10%           | 0.013%        |
| 25        | 6.795       | 800           | 805         | 806          | rBV4     | 2173           | 3286          | 0.15%           | 0.018%        |
| 26        | 7.002       | 834           | 839         | 841          | rBV6     | 1896           | 2488          | 0.11%           | 0.014%        |
| 27        | 7.075       | 844           | 851         | 866          | rBV      | 68897          | 203256        | 9.03%           | 1.143%        |
| 28        | 7.258       | 878           | 881         | 884          | rBV5     | 2314           | 2068          | 0.09%           | 0.012%        |
| 29        | 7.325       | 889           | 892         | 895          | rBV5     | 1855           | 2547          | 0.11%           | 0.014%        |
| 30        | 7.423       | 906           | 908         | 912          | rVB5     | 1851           | 2424          | 0.11%           | 0.014%        |
| 31        | 7.551       | 927           | 929         | 934          | rVB6     | 1911           | 1949          | 0.09%           | 0.011%        |
| 32        | 7.648       | 934           | 945         | 958          | rBV      | 371954         | 903578        | 40.16%          | 5.080%        |
| 33        | 7.758       | 960           | 963         | 964          | rBV3     | 2152           | 2169          | 0.10%           | 0.012%        |
| 34        | 7.935       | 991           | 992         | 997          | rVB5     | 1931           | 2843          | 0.13%           | 0.016%        |
| 35        | 8.276       | 1037          | 1048        | 1062         | rBV2     | 764320         | 2250210       | 100.00%         | 12.650%       |
| 36        | 8.606       | 1098          | 1102        | 1103         | rBV4     | 1899           | 2279          | 0.10%           | 0.013%        |

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 Title : SFAM01.0

|    |        |      |      |      |       |         |         |        |         |
|----|--------|------|------|------|-------|---------|---------|--------|---------|
| 37 | 8.843  | 1132 | 1141 | 1150 | rVV   | 933289  | 1851511 | 82.28% | 10.409% |
| 38 | 8.959  | 1158 | 1160 | 1162 | rVB3  | 2309    | 2092    | 0.09%  | 0.012%  |
| 39 | 9.014  | 1165 | 1169 | 1171 | rBV5  | 1735    | 2603    | 0.12%  | 0.015%  |
| 40 | 9.045  | 1171 | 1174 | 1177 | rBV5  | 2902    | 4642    | 0.21%  | 0.026%  |
| 41 | 9.276  | 1202 | 1212 | 1221 | rBV   | 513657  | 1069692 | 47.54% | 6.014%  |
| 42 | 9.532  | 1252 | 1254 | 1258 | rVB5  | 1237    | 1669    | 0.07%  | 0.009%  |
| 43 | 9.648  | 1272 | 1273 | 1276 | rBV3  | 1917    | 1920    | 0.09%  | 0.011%  |
| 44 | 9.959  | 1321 | 1324 | 1326 | rBV4  | 1771    | 2229    | 0.10%  | 0.013%  |
| 45 | 10.032 | 1329 | 1336 | 1347 | rVV   | 267156  | 494027  | 21.95% | 2.777%  |
| 46 | 10.130 | 1350 | 1352 | 1357 | rVV6  | 1829    | 2609    | 0.12%  | 0.015%  |
| 47 | 10.239 | 1368 | 1370 | 1376 | rBV7  | 1824    | 2175    | 0.10%  | 0.012%  |
| 48 | 10.325 | 1376 | 1384 | 1396 | rBV   | 1025546 | 1831335 | 81.39% | 10.295% |
| 49 | 10.575 | 1419 | 1425 | 1437 | rBV   | 175179  | 306247  | 13.61% | 1.722%  |
| 50 | 10.703 | 1441 | 1446 | 1452 | rVB3  | 9227    | 18544   | 0.82%  | 0.104%  |
| 51 | 10.843 | 1466 | 1469 | 1472 | rVV4  | 1701    | 2836    | 0.13%  | 0.016%  |
| 52 | 10.922 | 1476 | 1482 | 1497 | rVV   | 261539  | 472337  | 20.99% | 2.655%  |
| 53 | 11.044 | 1500 | 1502 | 1504 | rVV3  | 2278    | 2754    | 0.12%  | 0.015%  |
| 54 | 11.069 | 1504 | 1506 | 1515 | rVB10 | 3669    | 9106    | 0.40%  | 0.051%  |
| 55 | 11.190 | 1524 | 1526 | 1531 | rVB6  | 1641    | 1776    | 0.08%  | 0.010%  |
| 56 | 11.398 | 1558 | 1560 | 1564 | rVB5  | 1893    | 1770    | 0.08%  | 0.010%  |
| 57 | 11.447 | 1564 | 1568 | 1570 | rBV4  | 1771    | 2013    | 0.09%  | 0.011%  |
| 58 | 11.520 | 1577 | 1580 | 1583 | rVB5  | 1499    | 2090    | 0.09%  | 0.012%  |
| 59 | 11.629 | 1590 | 1598 | 1608 | rBV   | 1321322 | 2185025 | 97.10% | 12.284% |
| 60 | 11.934 | 1646 | 1648 | 1650 | rBV3  | 1976    | 1959    | 0.09%  | 0.011%  |
| 61 | 11.965 | 1650 | 1653 | 1655 | rVV3  | 1925    | 1890    | 0.08%  | 0.011%  |
| 62 | 12.093 | 1671 | 1674 | 1682 | rVB10 | 2979    | 7519    | 0.33%  | 0.042%  |
| 63 | 12.154 | 1682 | 1684 | 1686 | rBV3  | 1384    | 1752    | 0.08%  | 0.010%  |
| 64 | 12.172 | 1686 | 1687 | 1689 | rVB2  | 3081    | 1717    | 0.08%  | 0.010%  |
| 65 | 12.190 | 1689 | 1690 | 1695 | rBV5  | 1572    | 1769    | 0.08%  | 0.010%  |
| 66 | 12.599 | 1750 | 1757 | 1764 | rBV4  | 36653   | 76020   | 3.38%  | 0.427%  |
| 67 | 12.690 | 1765 | 1772 | 1779 | rVV   | 394830  | 642630  | 28.56% | 3.613%  |
| 68 | 12.751 | 1779 | 1782 | 1786 | rVV6  | 5039    | 6593    | 0.29%  | 0.037%  |
| 69 | 12.946 | 1809 | 1814 | 1820 | rVV10 | 3317    | 8456    | 0.38%  | 0.048%  |
| 70 | 13.013 | 1823 | 1825 | 1828 | rVB4  | 1554    | 1693    | 0.08%  | 0.010%  |
| 71 | 13.105 | 1838 | 1840 | 1842 | rBV3  | 1415    | 1675    | 0.07%  | 0.009%  |
| 72 | 13.190 | 1850 | 1854 | 1857 | rVB6  | 3449    | 5067    | 0.23%  | 0.028%  |
| 73 | 13.239 | 1860 | 1862 | 1865 | rBV4  | 2001    | 2019    | 0.09%  | 0.011%  |
| 74 | 13.403 | 1880 | 1889 | 1894 | rBV8  | 9167    | 18670   | 0.83%  | 0.105%  |
| 75 | 13.471 | 1894 | 1900 | 1905 | rVV10 | 6861    | 14918   | 0.66%  | 0.084%  |
| 76 | 13.556 | 1907 | 1914 | 1925 | rVV   | 1205656 | 1971756 | 87.63% | 11.085% |

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Integration Parameters: LSCINT.P

Integrator: RTE

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Sampling : 1

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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\SFAMWLM050123SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.641 | 1926 | 1928 | 1933 | rVB3 | 9628   | 14431   | 0.64%  | 0.081% |
| 78  | 13.763 | 1945 | 1948 | 1951 | rVB5 | 2924   | 3471    | 0.15%  | 0.020% |
| 79  | 13.849 | 1955 | 1962 | 1975 | rVB  | 868412 | 1384469 | 61.53% | 7.783% |
| 80  | 14.013 | 1987 | 1989 | 1992 | rVV3 | 1570   | 1925    | 0.09%  | 0.011% |
| 81  | 14.062 | 1992 | 1997 | 2005 | rVV  | 68990  | 110233  | 4.90%  | 0.620% |
| 82  | 14.318 | 2034 | 2039 | 2048 | rVV  | 12521  | 24866   | 1.11%  | 0.140% |
| 83  | 14.416 | 2051 | 2055 | 2056 | rBV4 | 1302   | 1740    | 0.08%  | 0.010% |
| 84  | 14.513 | 2067 | 2071 | 2077 | rVB7 | 6276   | 10368   | 0.46%  | 0.058% |
| 85  | 14.623 | 2086 | 2089 | 2092 | rBV5 | 2713   | 3781    | 0.17%  | 0.021% |
| 86  | 14.714 | 2100 | 2104 | 2110 | rVB8 | 5769   | 11331   | 0.50%  | 0.064% |
| 87  | 14.763 | 2110 | 2112 | 2114 | rBV3 | 2714   | 3332    | 0.15%  | 0.019% |
| 88  | 15.062 | 2159 | 2161 | 2164 | rBV4 | 2007   | 1894    | 0.08%  | 0.011% |
| 89  | 15.117 | 2167 | 2170 | 2173 | rBV5 | 1485   | 1869    | 0.08%  | 0.011% |
| 90  | 15.178 | 2177 | 2180 | 2181 | rBV3 | 2205   | 2009    | 0.09%  | 0.011% |
| 91  | 15.428 | 2212 | 2221 | 2226 | rBV2 | 53328  | 99470   | 4.42%  | 0.559% |
| 92  | 15.482 | 2226 | 2230 | 2236 | rVB  | 21196  | 36378   | 1.62%  | 0.205% |
| 93  | 15.787 | 2275 | 2280 | 2285 | rVV9 | 7000   | 14344   | 0.64%  | 0.081% |
| 94  | 15.854 | 2289 | 2291 | 2294 | rBV4 | 1896   | 2821    | 0.13%  | 0.016% |
| 95  | 15.958 | 2306 | 2308 | 2309 | rVB2 | 3150   | 2085    | 0.09%  | 0.012% |
| 96  | 16.043 | 2320 | 2322 | 2325 | rVV4 | 2307   | 1807    | 0.08%  | 0.010% |
| 97  | 16.092 | 2328 | 2330 | 2332 | rVB3 | 2126   | 1871    | 0.08%  | 0.011% |
| 98  | 16.251 | 2355 | 2356 | 2358 | rBV2 | 2150   | 1875    | 0.08%  | 0.011% |
| 99  | 16.702 | 2428 | 2430 | 2435 | rVB5 | 2268   | 3063    | 0.14%  | 0.017% |
| 100 | 16.744 | 2435 | 2437 | 2442 | rBV6 | 1682   | 2551    | 0.11%  | 0.014% |

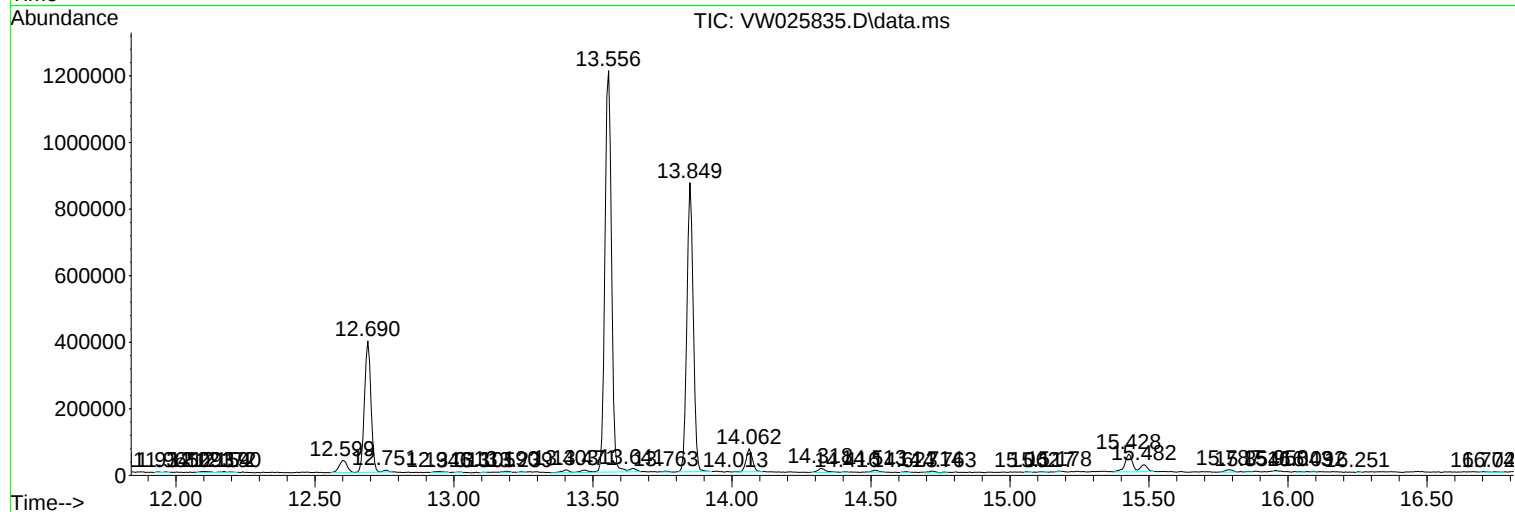
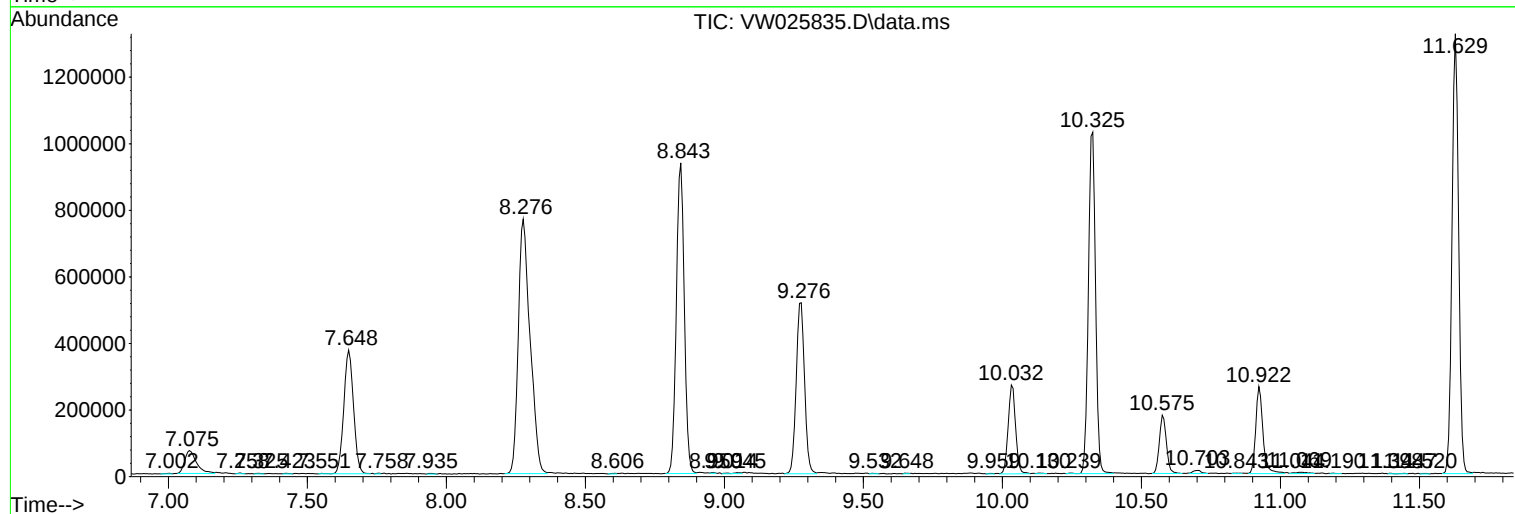
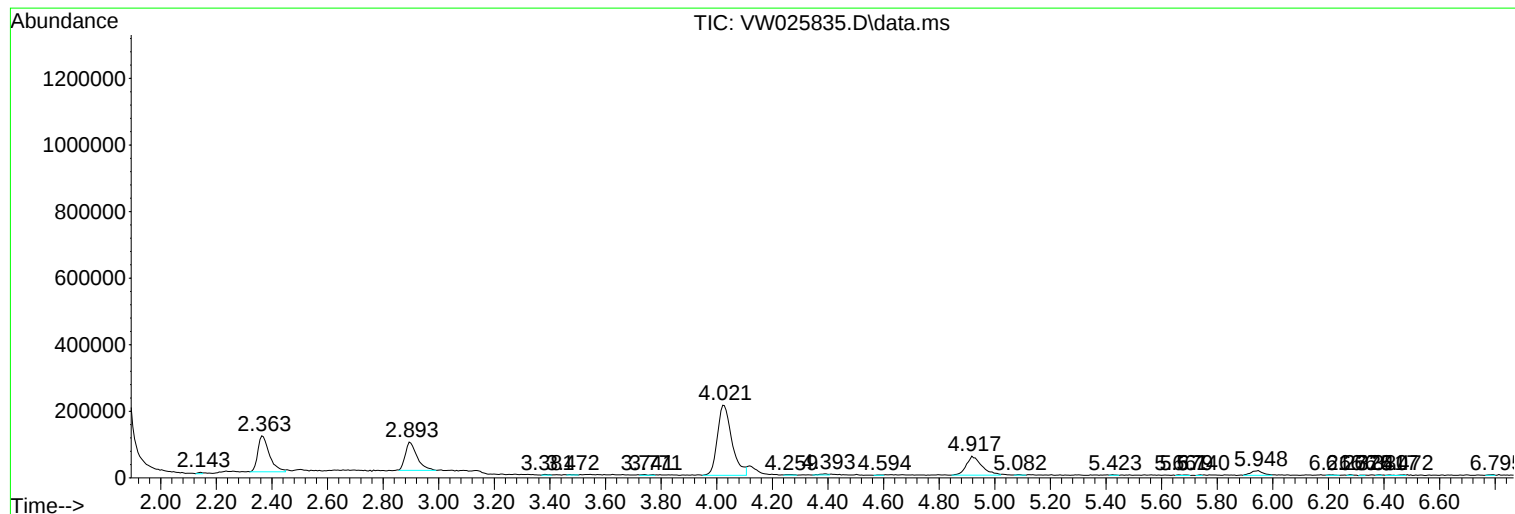
Sum of corrected areas: 17788052

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
Quant Title : SFAM01.0

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



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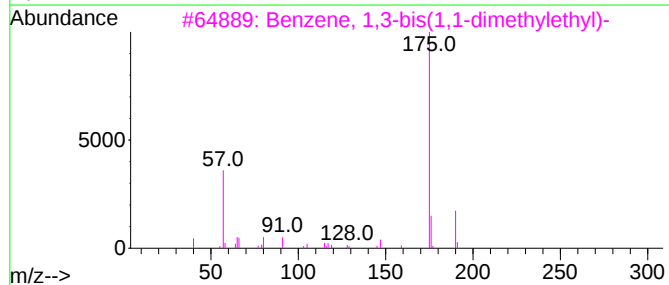
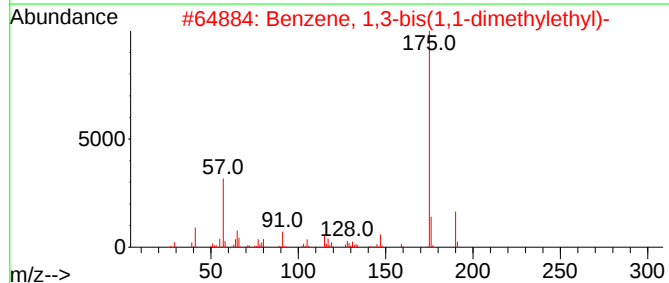
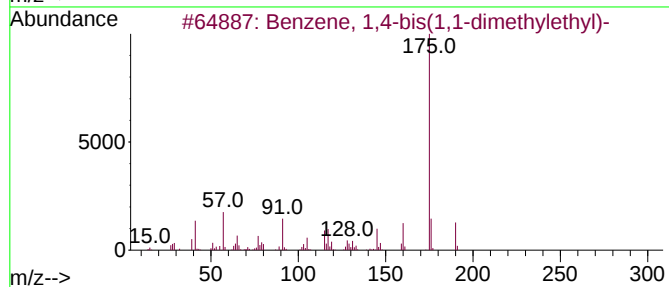
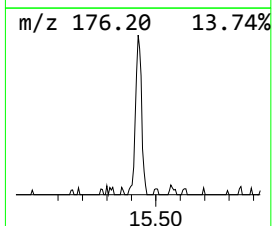
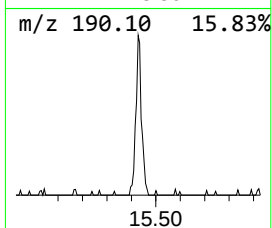
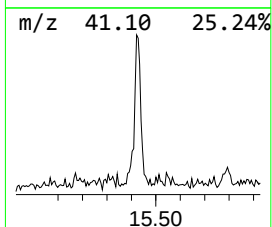
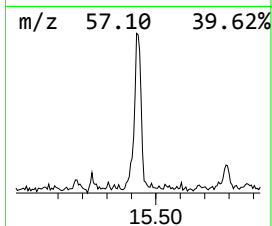
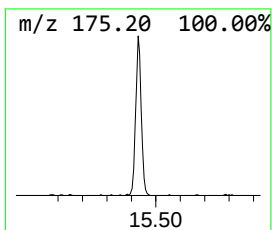
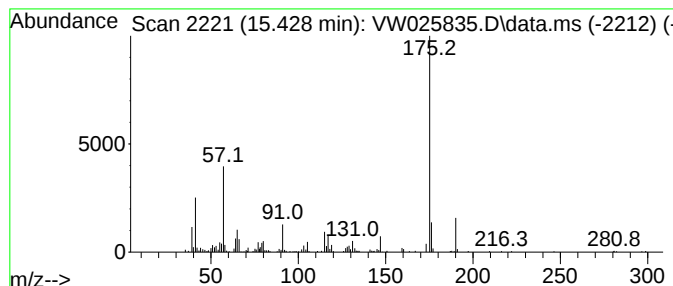
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
Quant Title : SFAM01.0

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

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.428 | 1.26 ug/L | 99470 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22  | 001012-72-2 | 83   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 81   |
| 3    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 81   |
| 4    |    |   | m-Cymene, 5-tert-butyl-             | 190 | C14H22  | 029577-19-3 | 74   |
| 5    |    |   | Benzenepropanal, 4-(1,1-dimethyl... | 190 | C13H18O | 018127-01-0 | 72   |



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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, 1,4-bi... | 15.428 | 1.3     | ug/L  | 99470    | 3                     | 13.556 | 1971760 | 25.0 |