

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052022\  
 Data File : VW023224.D  
 Acq On : 21 May 2022 02:12  
 Operator : SY/VA  
 Sample : VIBLK473  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK473

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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

Signal : TIC: VW023224.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         | 2.153       | 36            | 41          | 47           | rBV      | 37875          | 71988         | 5.35%           | 0.763%        |
| 2         | 2.349       | 68            | 73          | 80           | rVB      | 124204         | 202181        | 15.04%          | 2.144%        |
| 3         | 2.879       | 155           | 160         | 169          | rVB      | 64779          | 133620        | 9.94%           | 1.417%        |
| 4         | 3.239       | 215           | 219         | 220          | rBV3     | 911            | 1343          | 0.10%           | 0.014%        |
| 5         | 3.342       | 231           | 236         | 237          | rBV4     | 1271           | 1280          | 0.10%           | 0.014%        |
| 6         | 3.391       | 237           | 244         | 247          | rVB7     | 2661           | 5777          | 0.43%           | 0.061%        |
| 7         | 3.580       | 271           | 275         | 279          | rVB7     | 1268           | 1560          | 0.12%           | 0.017%        |
| 8         | 4.019       | 336           | 347         | 359          | rBV2     | 123473         | 372555        | 27.71%          | 3.950%        |
| 9         | 4.409       | 404           | 411         | 414          | rBV4     | 3374           | 7044          | 0.52%           | 0.075%        |
| 10        | 4.525       | 429           | 430         | 433          | rVB2     | 1825           | 1443          | 0.11%           | 0.015%        |
| 11        | 4.562       | 433           | 436         | 438          | rBV4     | 1430           | 2173          | 0.16%           | 0.023%        |
| 12        | 4.635       | 445           | 448         | 450          | rVB4     | 1236           | 1412          | 0.11%           | 0.015%        |
| 13        | 4.665       | 450           | 453         | 457          | rVB5     | 1106           | 1708          | 0.13%           | 0.018%        |
| 14        | 4.738       | 463           | 465         | 469          | rBV5     | 774            | 1268          | 0.09%           | 0.013%        |
| 15        | 4.915       | 483           | 494         | 511          | rBV2     | 17879          | 64474         | 4.80%           | 0.684%        |
| 16        | 5.049       | 512           | 516         | 519          | rBV5     | 1138           | 1196          | 0.09%           | 0.013%        |
| 17        | 5.122       | 519           | 528         | 537          | rBV4     | 4591           | 17648         | 1.31%           | 0.187%        |
| 18        | 5.299       | 554           | 557         | 561          | rVB5     | 1245           | 1356          | 0.10%           | 0.014%        |
| 19        | 5.555       | 597           | 599         | 602          | rVB3     | 1397           | 1194          | 0.09%           | 0.013%        |
| 20        | 5.738       | 624           | 629         | 631          | rBV5     | 1975           | 3075          | 0.23%           | 0.033%        |
| 21        | 5.763       | 631           | 633         | 637          | rVV5     | 2281           | 2933          | 0.22%           | 0.031%        |
| 22        | 5.817       | 640           | 642         | 646          | rVB5     | 1273           | 1616          | 0.12%           | 0.017%        |
| 23        | 5.939       | 653           | 662         | 671          | rBV9     | 7024           | 22091         | 1.64%           | 0.234%        |
| 24        | 6.305       | 719           | 722         | 726          | rVB4     | 879            | 1267          | 0.09%           | 0.013%        |
| 25        | 6.500       | 749           | 754         | 757          | rBV5     | 1930           | 3073          | 0.23%           | 0.033%        |
| 26        | 6.561       | 760           | 764         | 765          | rBV4     | 1020           | 1247          | 0.09%           | 0.013%        |
| 27        | 7.079       | 841           | 849         | 854          | rBV      | 34821          | 90851         | 6.76%           | 0.963%        |
| 28        | 7.287       | 882           | 883         | 888          | rVB4     | 1237           | 1576          | 0.12%           | 0.017%        |
| 29        | 7.451       | 908           | 910         | 913          | rVB3     | 1511           | 1291          | 0.10%           | 0.014%        |
| 30        | 7.494       | 913           | 917         | 918          | rBV3     | 1268           | 1443          | 0.11%           | 0.015%        |
| 31        | 7.555       | 923           | 927         | 929          | rVV5     | 1139           | 1319          | 0.10%           | 0.014%        |
| 32        | 7.646       | 932           | 942         | 954          | rVB      | 206944         | 504531        | 37.53%          | 5.350%        |
| 33        | 7.768       | 960           | 962         | 965          | rVB4     | 1261           | 1251          | 0.09%           | 0.013%        |
| 34        | 7.805       | 965           | 968         | 971          | rVB5     | 1221           | 1704          | 0.13%           | 0.018%        |
| 35        | 7.939       | 987           | 990         | 994          | rVV5     | 1054           | 1866          | 0.14%           | 0.020%        |
| 36        | 8.274       | 1032          | 1045        | 1061         | rBV3     | 432556         | 1344492       | 100.00%         | 14.256%       |

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |       |        |         |        |         |
|----|--------|------|------|------|-------|--------|---------|--------|---------|
| 37 | 8.573  | 1092 | 1094 | 1097 | rVB4  | 1471   | 1645    | 0.12%  | 0.017%  |
| 38 | 8.701  | 1109 | 1115 | 1122 | rBV9  | 1030   | 2624    | 0.20%  | 0.028%  |
| 39 | 8.841  | 1128 | 1138 | 1150 | rBV   | 362037 | 718279  | 53.42% | 7.616%  |
| 40 | 9.164  | 1189 | 1191 | 1193 | rBV4  | 1188   | 1286    | 0.10%  | 0.014%  |
| 41 | 9.274  | 1200 | 1209 | 1219 | rBV   | 274317 | 546894  | 40.68% | 5.799%  |
| 42 | 9.469  | 1238 | 1241 | 1242 | rBV3  | 1277   | 1324    | 0.10%  | 0.014%  |
| 43 | 9.579  | 1258 | 1259 | 1264 | rBV4  | 980    | 1406    | 0.10%  | 0.015%  |
| 44 | 9.756  | 1284 | 1288 | 1291 | rBV6  | 2888   | 4195    | 0.31%  | 0.044%  |
| 45 | 9.890  | 1305 | 1310 | 1318 | rBV7  | 5964   | 14498   | 1.08%  | 0.154%  |
| 46 | 9.981  | 1322 | 1325 | 1326 | rVV4  | 2021   | 2027    | 0.15%  | 0.021%  |
| 47 | 10.036 | 1327 | 1334 | 1342 | rVV   | 143317 | 255783  | 19.02% | 2.712%  |
| 48 | 10.097 | 1342 | 1344 | 1346 | rVV3  | 2500   | 2774    | 0.21%  | 0.029%  |
| 49 | 10.122 | 1346 | 1348 | 1352 | rVB5  | 3089   | 3843    | 0.29%  | 0.041%  |
| 50 | 10.201 | 1359 | 1361 | 1362 | rBV2  | 1910   | 1527    | 0.11%  | 0.016%  |
| 51 | 10.250 | 1365 | 1369 | 1373 | rVB6  | 4969   | 7695    | 0.57%  | 0.082%  |
| 52 | 10.323 | 1373 | 1381 | 1388 | rBV   | 607172 | 1056989 | 78.62% | 11.207% |
| 53 | 10.390 | 1388 | 1392 | 1400 | rVB   | 7986   | 15548   | 1.16%  | 0.165%  |
| 54 | 10.579 | 1416 | 1423 | 1430 | rBV   | 89560  | 159012  | 11.83% | 1.686%  |
| 55 | 10.701 | 1437 | 1443 | 1450 | rVB2  | 32381  | 58854   | 4.38%  | 0.624%  |
| 56 | 10.774 | 1453 | 1455 | 1459 | rVB5  | 1699   | 1524    | 0.11%  | 0.016%  |
| 57 | 10.841 | 1464 | 1466 | 1473 | rVB8  | 2143   | 3810    | 0.28%  | 0.040%  |
| 58 | 10.926 | 1473 | 1480 | 1490 | rBV   | 127636 | 226591  | 16.85% | 2.403%  |
| 59 | 11.060 | 1497 | 1502 | 1509 | rBV2  | 26479  | 46395   | 3.45%  | 0.492%  |
| 60 | 11.225 | 1527 | 1529 | 1530 | rBV2  | 1836   | 1809    | 0.13%  | 0.019%  |
| 61 | 11.432 | 1555 | 1563 | 1571 | rVB2  | 18712  | 36565   | 2.72%  | 0.388%  |
| 62 | 11.518 | 1571 | 1577 | 1578 | rBV4  | 1010   | 1404    | 0.10%  | 0.015%  |
| 63 | 11.536 | 1578 | 1580 | 1586 | rVB5  | 887    | 1463    | 0.11%  | 0.016%  |
| 64 | 11.627 | 1586 | 1595 | 1609 | rBV   | 544529 | 944417  | 70.24% | 10.014% |
| 65 | 11.841 | 1626 | 1630 | 1632 | rVB5  | 1611   | 2438    | 0.18%  | 0.026%  |
| 66 | 12.066 | 1664 | 1667 | 1672 | rVV5  | 1169   | 1553    | 0.12%  | 0.016%  |
| 67 | 12.170 | 1678 | 1684 | 1689 | rVB6  | 2867   | 5867    | 0.44%  | 0.062%  |
| 68 | 12.243 | 1692 | 1696 | 1699 | rBV5  | 1251   | 1954    | 0.15%  | 0.021%  |
| 69 | 12.469 | 1724 | 1733 | 1738 | rBV10 | 2945   | 7406    | 0.55%  | 0.079%  |
| 70 | 12.603 | 1749 | 1755 | 1762 | rBV3  | 25770  | 48873   | 3.64%  | 0.518%  |
| 71 | 12.688 | 1762 | 1769 | 1777 | rBV   | 226868 | 383460  | 28.52% | 4.066%  |
| 72 | 12.755 | 1777 | 1780 | 1781 | rBV3  | 1446   | 1609    | 0.12%  | 0.017%  |
| 73 | 12.932 | 1804 | 1809 | 1817 | rBV3  | 5119   | 12102   | 0.90%  | 0.128%  |
| 74 | 13.023 | 1820 | 1824 | 1829 | rVB8  | 1572   | 2937    | 0.22%  | 0.031%  |
| 75 | 13.139 | 1839 | 1843 | 1846 | rBV5  | 1051   | 1430    | 0.11%  | 0.015%  |
| 76 | 13.188 | 1848 | 1851 | 1856 | rBV5  | 4841   | 7614    | 0.57%  | 0.081%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK473

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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 77  | 13.292 | 1865 | 1868 | 1875 | rVB6 | 4323   | 9180   | 0.68%  | 0.097%  |
| 78  | 13.353 | 1875 | 1878 | 1880 | rBV3 | 1419   | 1467   | 0.11%  | 0.016%  |
| 79  | 13.401 | 1880 | 1886 | 1891 | rBV7 | 4608   | 8090   | 0.60%  | 0.086%  |
| 80  | 13.554 | 1904 | 1911 | 1924 | rVB  | 597198 | 963658 | 71.67% | 10.218% |
| 81  | 13.761 | 1939 | 1945 | 1952 | rBV7 | 4211   | 9424   | 0.70%  | 0.100%  |
| 82  | 13.853 | 1952 | 1960 | 1967 | rBV  | 535955 | 899928 | 66.93% | 9.542%  |
| 83  | 14.005 | 1983 | 1985 | 1986 | rBV2 | 1311   | 1238   | 0.09%  | 0.013%  |
| 84  | 14.060 | 1989 | 1994 | 2000 | rVV3 | 12409  | 23688  | 1.76%  | 0.251%  |
| 85  | 14.109 | 2000 | 2002 | 2006 | rVV4 | 1933   | 2694   | 0.20%  | 0.029%  |
| 86  | 14.145 | 2006 | 2008 | 2011 | rVB4 | 1017   | 1199   | 0.09%  | 0.013%  |
| 87  | 14.413 | 2050 | 2052 | 2056 | rVB5 | 1527   | 1831   | 0.14%  | 0.019%  |
| 88  | 14.493 | 2061 | 2065 | 2069 | rBV6 | 1916   | 4135   | 0.31%  | 0.044%  |
| 89  | 14.633 | 2083 | 2088 | 2093 | rVB8 | 1976   | 3252   | 0.24%  | 0.034%  |
| 90  | 15.035 | 2151 | 2154 | 2156 | rBV3 | 1372   | 1860   | 0.14%  | 0.020%  |
| 91  | 15.121 | 2165 | 2168 | 2175 | rVB8 | 2127   | 2998   | 0.22%  | 0.032%  |
| 92  | 15.304 | 2192 | 2198 | 2201 | rBV6 | 1147   | 1883   | 0.14%  | 0.020%  |
| 93  | 15.352 | 2205 | 2206 | 2214 | rVB6 | 1674   | 2581   | 0.19%  | 0.027%  |
| 94  | 15.432 | 2214 | 2219 | 2223 | rBV4 | 5385   | 8772   | 0.65%  | 0.093%  |
| 95  | 15.566 | 2239 | 2241 | 2245 | rVB5 | 1603   | 1996   | 0.15%  | 0.021%  |
| 96  | 15.608 | 2245 | 2248 | 2250 | rBV3 | 1061   | 1201   | 0.09%  | 0.013%  |
| 97  | 15.901 | 2293 | 2296 | 2299 | rBV5 | 963    | 1473   | 0.11%  | 0.016%  |
| 98  | 16.029 | 2314 | 2317 | 2320 | rBV4 | 1231   | 1567   | 0.12%  | 0.017%  |
| 99  | 16.559 | 2403 | 2404 | 2408 | rBV4 | 902    | 1394   | 0.10%  | 0.015%  |
| 100 | 16.687 | 2420 | 2425 | 2426 | rBV4 | 1050   | 1470   | 0.11%  | 0.016%  |

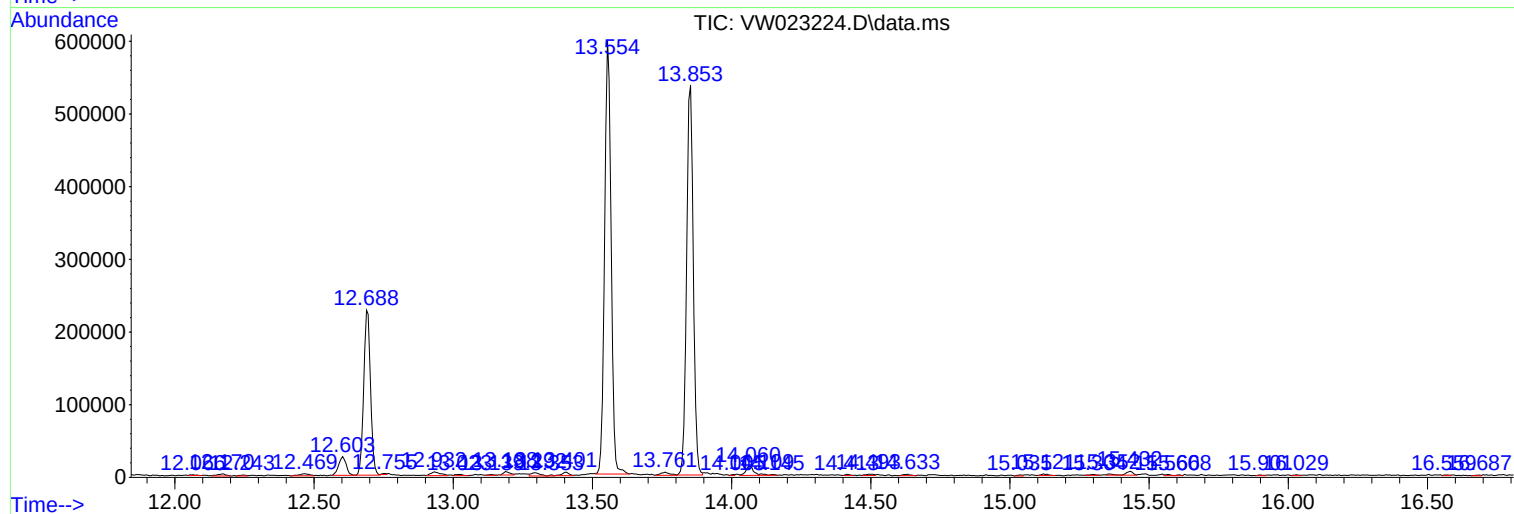
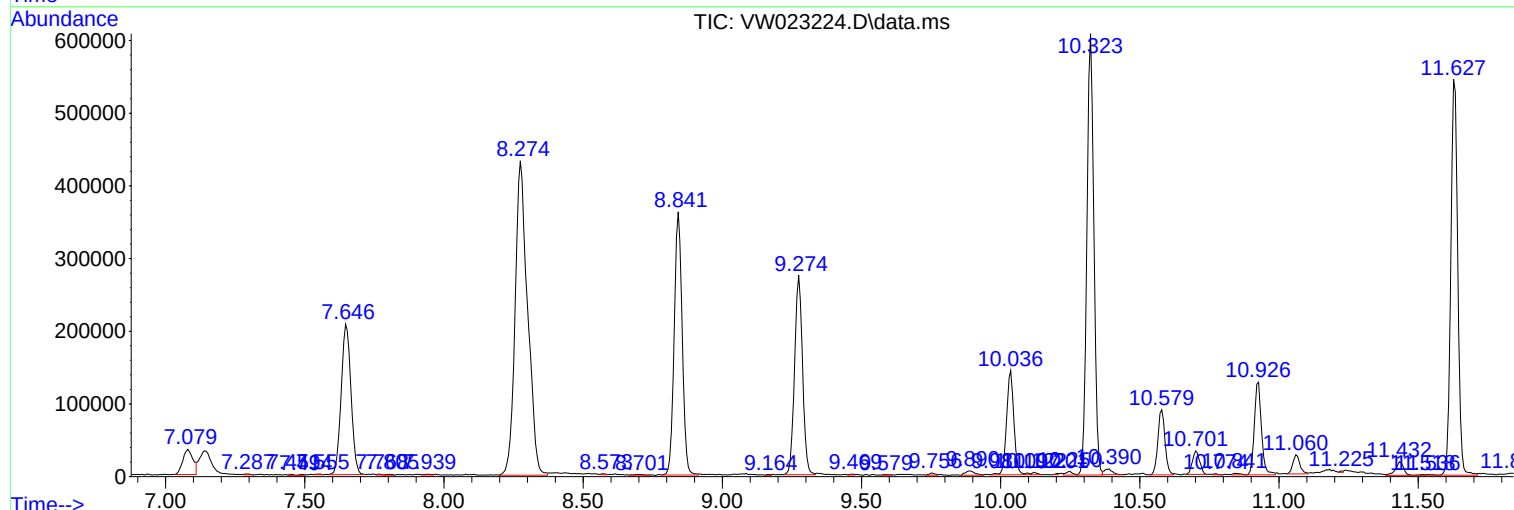
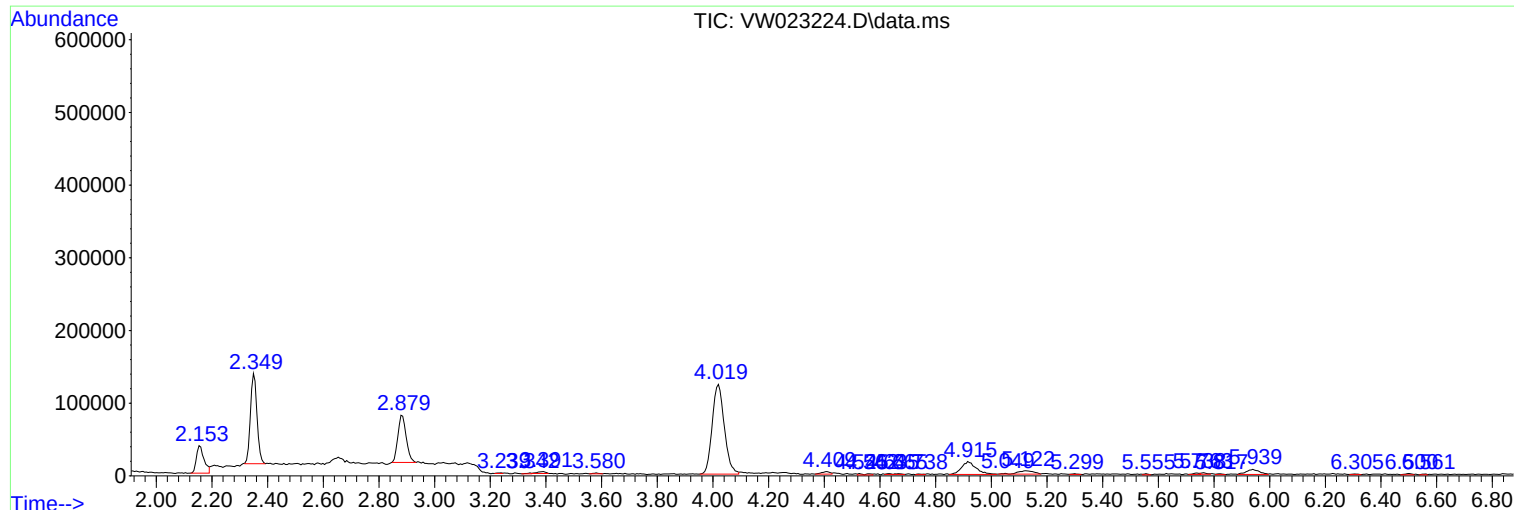
Sum of corrected areas: 9431249

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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



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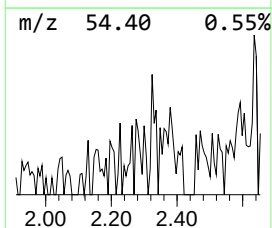
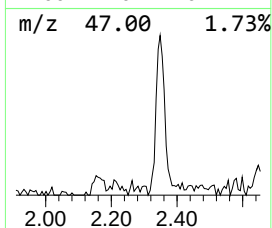
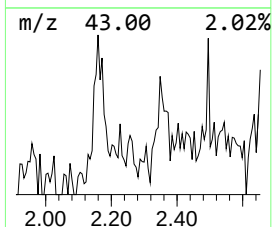
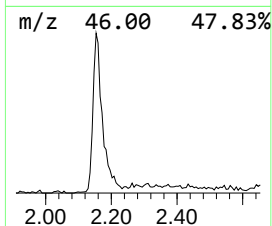
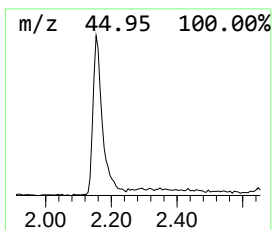
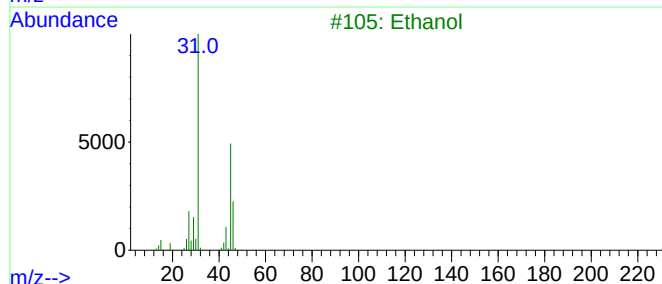
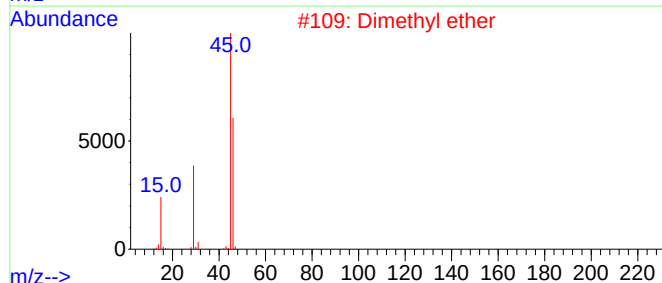
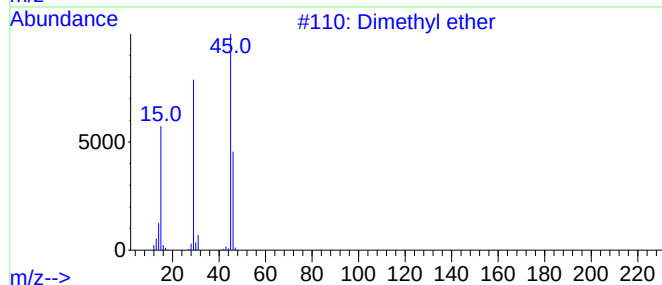
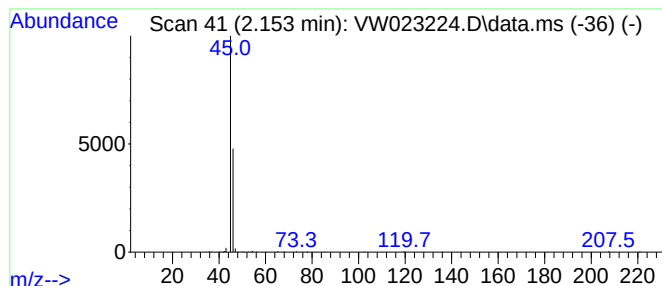
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 Dimethyl ether Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.153 | 2.51 ug/L | 71988 | 1,4-Difluorobenzene | 8.841 |

| Hit# | of | 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------|----|---------|-------------|------|
| 1    |    |   | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 56   |
| 2    |    |   | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 9    |
| 3    |    |   | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 4    |    |   | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 5    |    |   | Formic acid    | 46 | CH2O2   | 000064-18-6 | 7    |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Dimethyl ether   | 2.153 | 2.5     | ug/L  | 71988    | 1                     | 8.841 | 718279 | 25.0 |