

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW090222\  
 Data File : VW024533.D  
 Acq On : 02 Sep 2022 15:05  
 Operator : SY/VA  
 Sample : N4483-01  
 Misc : 6.45g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW351

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\SFAMWLM090222SMA.M  
 Title : SFAM01.0

Signal : TIC: VW024533.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         | 2.166       | 42            | 43          | 47           | rBV4     | 1981           | 2619          | 0.30%           | 0.040%        |
| 2         | 2.343       | 67            | 72          | 78           | rBV      | 94019          | 149620        | 17.02%          | 2.261%        |
| 3         | 3.672       | 287           | 290         | 293          | rBV5     | 1297           | 2255          | 0.26%           | 0.034%        |
| 4         | 3.849       | 317           | 319         | 320          | rBV2     | 1290           | 983           | 0.11%           | 0.015%        |
| 5         | 4.001       | 332           | 344         | 358          | rBV2     | 64298          | 190596        | 21.69%          | 2.881%        |
| 6         | 4.196       | 375           | 376         | 377          | rBV      | 1580           | 1079          | 0.12%           | 0.016%        |
| 7         | 4.343       | 398           | 400         | 404          | rBV5     | 1563           | 2714          | 0.31%           | 0.041%        |
| 8         | 4.440       | 413           | 416         | 417          | rBV3     | 1576           | 1387          | 0.16%           | 0.021%        |
| 9         | 4.733       | 462           | 464         | 468          | rVB5     | 1342           | 1682          | 0.19%           | 0.025%        |
| 10        | 5.098       | 519           | 524         | 529          | rBV9     | 935            | 1528          | 0.17%           | 0.023%        |
| 11        | 5.172       | 534           | 536         | 539          | rVB4     | 2472           | 1950          | 0.22%           | 0.029%        |
| 12        | 5.202       | 539           | 541         | 544          | rBV3     | 1184           | 1624          | 0.18%           | 0.025%        |
| 13        | 5.269       | 550           | 552         | 555          | rVB4     | 1326           | 1379          | 0.16%           | 0.021%        |
| 14        | 5.312       | 555           | 559         | 560          | rBV3     | 1264           | 1249          | 0.14%           | 0.019%        |
| 15        | 5.361       | 564           | 567         | 573          | rBV8     | 1729           | 3669          | 0.42%           | 0.055%        |
| 16        | 5.458       | 581           | 583         | 585          | rVB3     | 1378           | 1132          | 0.13%           | 0.017%        |
| 17        | 5.586       | 602           | 604         | 607          | rBV4     | 1050           | 1007          | 0.11%           | 0.015%        |
| 18        | 5.934       | 651           | 661         | 669          | rBV3     | 11134          | 35360         | 4.02%           | 0.534%        |
| 19        | 6.068       | 680           | 683         | 687          | rBV6     | 1974           | 3150          | 0.36%           | 0.048%        |
| 20        | 6.190       | 699           | 703         | 704          | rBV4     | 1059           | 1136          | 0.13%           | 0.017%        |
| 21        | 6.287       | 716           | 719         | 720          | rBV3     | 1312           | 1239          | 0.14%           | 0.019%        |
| 22        | 6.580       | 765           | 767         | 769          | rVB3     | 1197           | 1148          | 0.13%           | 0.017%        |
| 23        | 6.598       | 769           | 770         | 774          | rVB4     | 998            | 1006          | 0.11%           | 0.015%        |
| 24        | 6.629       | 774           | 775         | 777          | rBV2     | 1495           | 1259          | 0.14%           | 0.019%        |
| 25        | 6.696       | 784           | 786         | 790          | rBV5     | 2066           | 2987          | 0.34%           | 0.045%        |
| 26        | 6.964       | 829           | 830         | 833          | rBV3     | 915            | 1050          | 0.12%           | 0.016%        |
| 27        | 6.988       | 833           | 834         | 838          | rVB3     | 1578           | 1371          | 0.16%           | 0.021%        |
| 28        | 7.080       | 838           | 849         | 856          | rBV      | 42504          | 123722        | 14.08%          | 1.870%        |
| 29        | 7.415       | 901           | 904         | 905          | rBV3     | 1172           | 1381          | 0.16%           | 0.021%        |
| 30        | 7.476       | 912           | 914         | 918          | rVB5     | 1888           | 2046          | 0.23%           | 0.031%        |
| 31        | 7.513       | 918           | 920         | 921          | rBV2     | 1153           | 1114          | 0.13%           | 0.017%        |
| 32        | 7.647       | 929           | 942         | 954          | rBV      | 179194         | 444443        | 50.57%          | 6.717%        |
| 33        | 7.848       | 973           | 975         | 978          | rBV4     | 989            | 1306          | 0.15%           | 0.020%        |
| 34        | 7.946       | 987           | 991         | 992          | rBV4     | 1159           | 1837          | 0.21%           | 0.028%        |
| 35        | 8.116       | 1016          | 1019        | 1023         | rVB6     | 1764           | 2632          | 0.30%           | 0.040%        |
| 36        | 8.183       | 1026          | 1030        | 1031         | rBV4     | 1353           | 1479          | 0.17%           | 0.022%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090222SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 8.275  | 1036 | 1045 | 1060 | rBV2 | 262186 | 878851 | 100.00% | 13.283% |
| 38 | 8.695  | 1111 | 1114 | 1117 | rVB5 | 1397   | 1915   | 0.22%   | 0.029%  |
| 39 | 8.756  | 1120 | 1124 | 1126 | rBV5 | 1840   | 2646   | 0.30%   | 0.040%  |
| 40 | 8.842  | 1129 | 1138 | 1148 | rBV  | 334925 | 670990 | 76.35%  | 10.142% |
| 41 | 9.037  | 1167 | 1170 | 1171 | rBV3 | 1421   | 1222   | 0.14%   | 0.018%  |
| 42 | 9.061  | 1171 | 1174 | 1175 | rBV3 | 1663   | 1530   | 0.17%   | 0.023%  |
| 43 | 9.275  | 1199 | 1209 | 1219 | rBV  | 227199 | 470824 | 53.57%  | 7.116%  |
| 44 | 9.494  | 1242 | 1245 | 1248 | rVB5 | 1390   | 1512   | 0.17%   | 0.023%  |
| 45 | 9.592  | 1260 | 1261 | 1265 | rVB4 | 1317   | 1352   | 0.15%   | 0.020%  |
| 46 | 9.646  | 1267 | 1270 | 1272 | rBV4 | 1706   | 2189   | 0.25%   | 0.033%  |
| 47 | 9.774  | 1289 | 1291 | 1294 | rVB3 | 1561   | 1299   | 0.15%   | 0.020%  |
| 48 | 9.860  | 1302 | 1305 | 1308 | rBV5 | 1752   | 2238   | 0.25%   | 0.034%  |
| 49 | 10.031 | 1325 | 1333 | 1343 | rVV  | 102209 | 199723 | 22.73%  | 3.019%  |
| 50 | 10.122 | 1346 | 1348 | 1352 | rVB5 | 1799   | 2022   | 0.23%   | 0.031%  |
| 51 | 10.220 | 1360 | 1364 | 1366 | rBV5 | 1387   | 2458   | 0.28%   | 0.037%  |
| 52 | 10.323 | 1373 | 1381 | 1388 | rBV  | 294707 | 533254 | 60.68%  | 8.060%  |
| 53 | 10.573 | 1415 | 1422 | 1431 | rBV  | 74989  | 137397 | 15.63%  | 2.077%  |
| 54 | 10.854 | 1466 | 1468 | 1470 | rBV3 | 3189   | 2717   | 0.31%   | 0.041%  |
| 55 | 10.921 | 1473 | 1479 | 1491 | rBV  | 156842 | 300296 | 34.17%  | 4.539%  |
| 56 | 11.225 | 1526 | 1529 | 1531 | rBV3 | 1424   | 1603   | 0.18%   | 0.024%  |
| 57 | 11.262 | 1534 | 1535 | 1539 | rVB4 | 1401   | 1054   | 0.12%   | 0.016%  |
| 58 | 11.451 | 1562 | 1566 | 1568 | rBV4 | 1050   | 1141   | 0.13%   | 0.017%  |
| 59 | 11.524 | 1577 | 1578 | 1580 | rBV2 | 1114   | 1025   | 0.12%   | 0.015%  |
| 60 | 11.628 | 1586 | 1595 | 1607 | rBV  | 461395 | 773356 | 88.00%  | 11.689% |
| 61 | 11.719 | 1607 | 1610 | 1611 | rBV3 | 1898   | 1949   | 0.22%   | 0.029%  |
| 62 | 11.823 | 1625 | 1627 | 1628 | rBV2 | 1587   | 1172   | 0.13%   | 0.018%  |
| 63 | 12.298 | 1704 | 1705 | 1710 | rBV5 | 1091   | 1503   | 0.17%   | 0.023%  |
| 64 | 12.548 | 1743 | 1746 | 1747 | rBV3 | 1273   | 1367   | 0.16%   | 0.021%  |
| 65 | 12.603 | 1752 | 1755 | 1760 | rVB4 | 3850   | 5676   | 0.65%   | 0.086%  |
| 66 | 12.689 | 1762 | 1769 | 1777 | rBV  | 247215 | 414733 | 47.19%  | 6.268%  |
| 67 | 12.920 | 1805 | 1807 | 1808 | rBV2 | 1981   | 1701   | 0.19%   | 0.026%  |
| 68 | 13.243 | 1854 | 1860 | 1863 | rBV6 | 2880   | 4880   | 0.56%   | 0.074%  |
| 69 | 13.499 | 1898 | 1902 | 1905 | rBV5 | 2832   | 5090   | 0.58%   | 0.077%  |
| 70 | 13.554 | 1905 | 1911 | 1922 | rVB  | 375997 | 590171 | 67.15%  | 8.920%  |
| 71 | 13.853 | 1953 | 1960 | 1970 | rVB  | 307248 | 525343 | 59.78%  | 7.940%  |
| 72 | 14.060 | 1991 | 1994 | 1995 | rBV3 | 2922   | 2551   | 0.29%   | 0.039%  |
| 73 | 14.152 | 2006 | 2009 | 2013 | rBV5 | 1346   | 2334   | 0.27%   | 0.035%  |
| 74 | 14.188 | 2013 | 2015 | 2017 | rVV3 | 1461   | 1243   | 0.14%   | 0.019%  |
| 75 | 14.237 | 2019 | 2023 | 2025 | rVB5 | 1134   | 1482   | 0.17%   | 0.022%  |
| 76 | 14.322 | 2032 | 2037 | 2041 | rBV7 | 2018   | 4084   | 0.46%   | 0.062%  |

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 MSVOA\_W  
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 EW351

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\SFAMWLM090222SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |      |       |       |        |
|-----|--------|------|------|------|------|------|-------|-------|--------|
| 77  | 14.408 | 2050 | 2051 | 2057 | rVB6 | 1187 | 1365  | 0.16% | 0.021% |
| 78  | 14.481 | 2062 | 2063 | 2065 | rBV2 | 1497 | 1045  | 0.12% | 0.016% |
| 79  | 14.536 | 2070 | 2072 | 2075 | rBV4 | 926  | 1407  | 0.16% | 0.021% |
| 80  | 14.621 | 2082 | 2086 | 2091 | rBV6 | 4808 | 9005  | 1.02% | 0.136% |
| 81  | 14.688 | 2094 | 2097 | 2098 | rBV3 | 1341 | 1020  | 0.12% | 0.015% |
| 82  | 14.719 | 2098 | 2102 | 2106 | rBV6 | 2625 | 3354  | 0.38% | 0.051% |
| 83  | 14.810 | 2115 | 2117 | 2121 | rVB5 | 1002 | 1134  | 0.13% | 0.017% |
| 84  | 15.024 | 2150 | 2152 | 2155 | rVB5 | 1845 | 1655  | 0.19% | 0.025% |
| 85  | 15.097 | 2162 | 2164 | 2165 | rBV  | 1460 | 1136  | 0.13% | 0.017% |
| 86  | 15.121 | 2165 | 2168 | 2174 | rBV7 | 3252 | 6595  | 0.75% | 0.100% |
| 87  | 15.206 | 2180 | 2182 | 2186 | rBV5 | 982  | 1320  | 0.15% | 0.020% |
| 88  | 15.359 | 2203 | 2207 | 2211 | rBV4 | 3943 | 5391  | 0.61% | 0.081% |
| 89  | 15.481 | 2225 | 2227 | 2230 | rVB4 | 1375 | 1382  | 0.16% | 0.021% |
| 90  | 15.517 | 2230 | 2233 | 2234 | rBV2 | 1452 | 1622  | 0.18% | 0.025% |
| 91  | 15.548 | 2234 | 2238 | 2245 | rVB9 | 5704 | 10506 | 1.20% | 0.159% |
| 92  | 15.749 | 2270 | 2271 | 2275 | rBV4 | 1106 | 1367  | 0.16% | 0.021% |
| 93  | 15.804 | 2278 | 2280 | 2283 | rBV4 | 1440 | 1499  | 0.17% | 0.023% |
| 94  | 15.920 | 2296 | 2299 | 2301 | rVB4 | 1219 | 1179  | 0.13% | 0.018% |
| 95  | 15.938 | 2301 | 2302 | 2305 | rBV3 | 1635 | 1982  | 0.23% | 0.030% |
| 96  | 16.115 | 2329 | 2331 | 2335 | rVV5 | 1322 | 1497  | 0.17% | 0.023% |
| 97  | 16.225 | 2346 | 2349 | 2351 | rBV4 | 1982 | 2457  | 0.28% | 0.037% |
| 98  | 16.523 | 2396 | 2398 | 2399 | rVB2 | 1726 | 1097  | 0.12% | 0.017% |
| 99  | 16.542 | 2399 | 2401 | 2404 | rBV4 | 1538 | 1809  | 0.21% | 0.027% |
| 100 | 16.633 | 2415 | 2416 | 2419 | rBV3 | 1068 | 1412  | 0.16% | 0.021% |

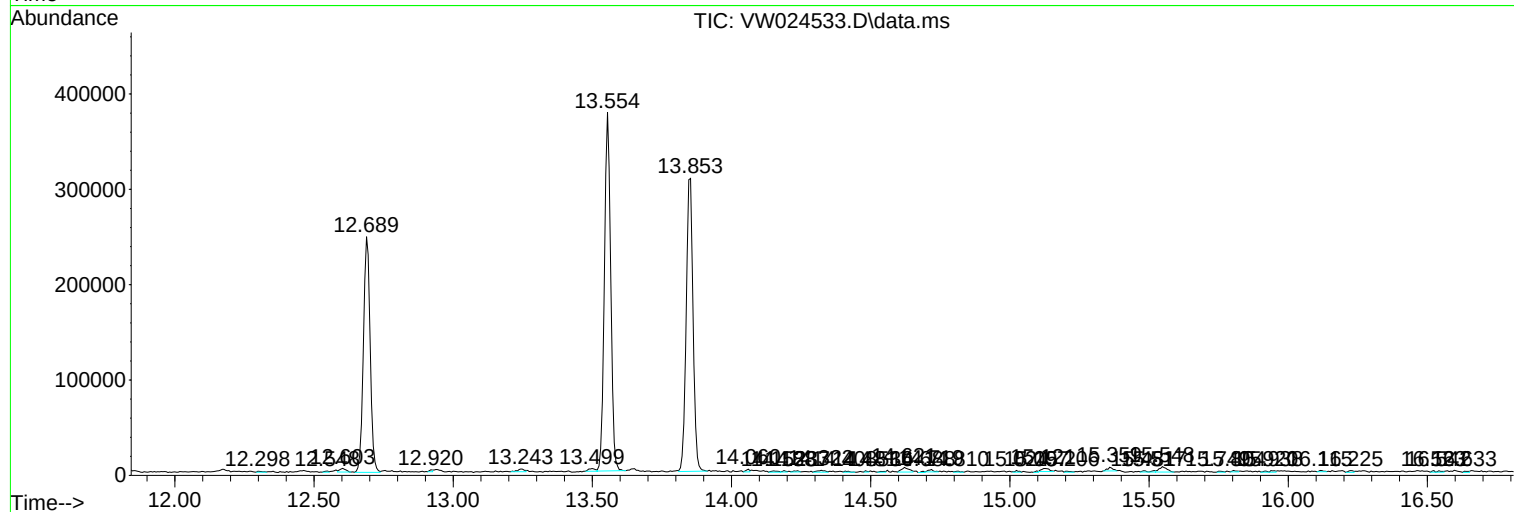
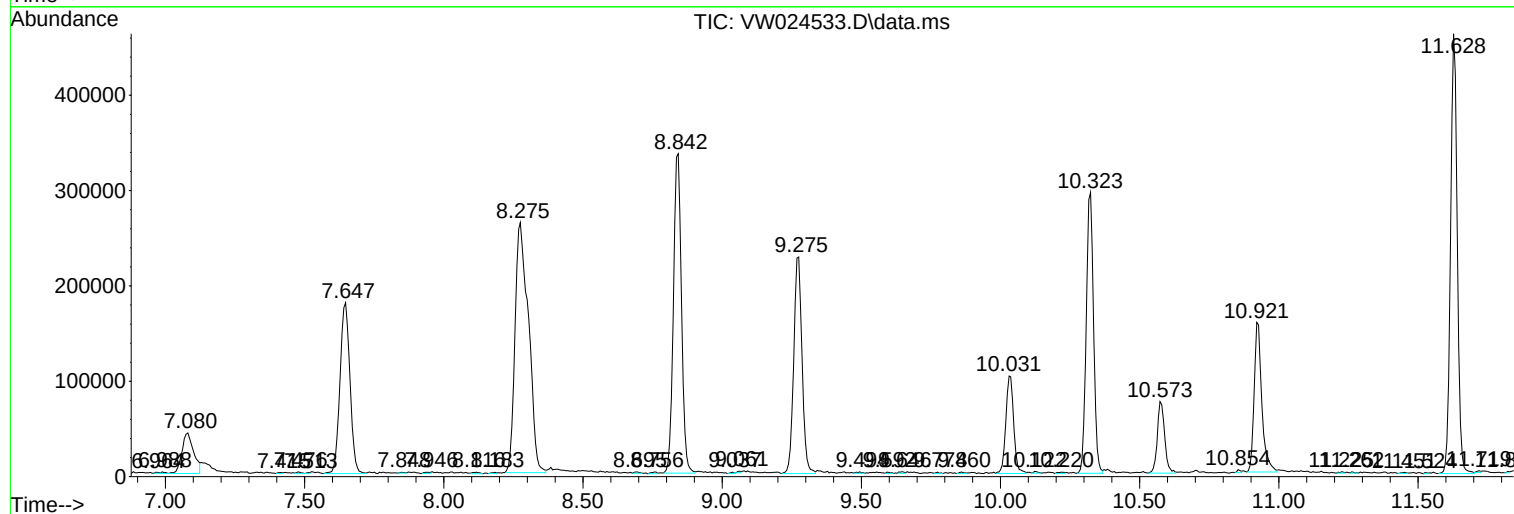
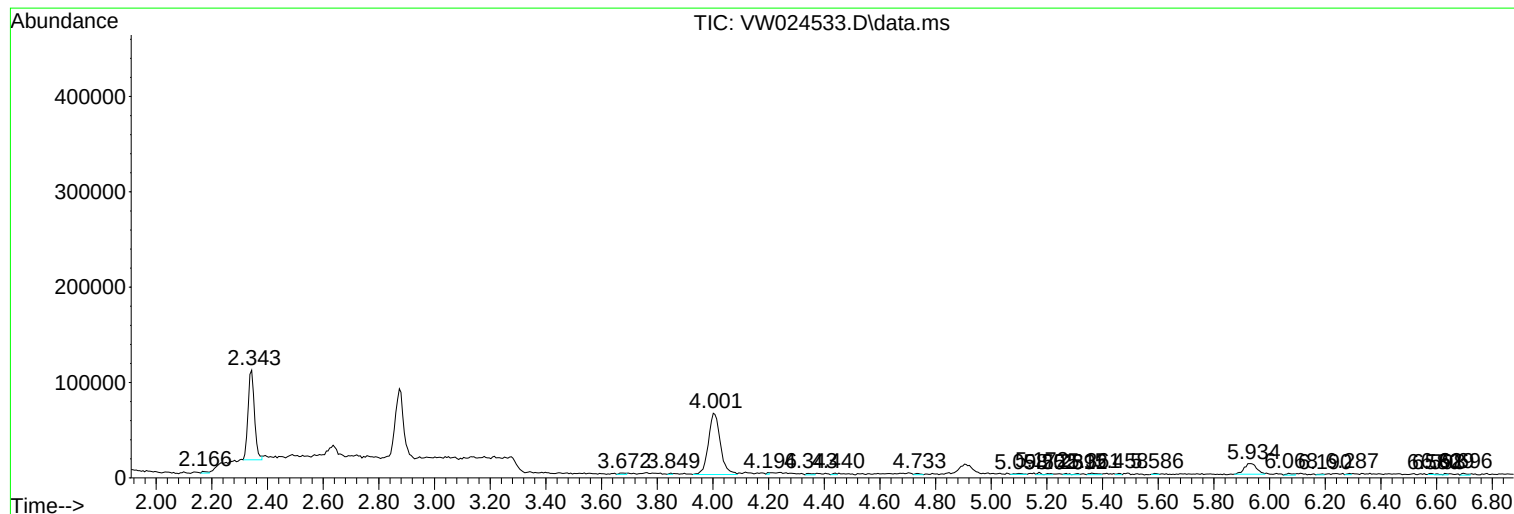
Sum of corrected areas: 6616268

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090222SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW090222\  
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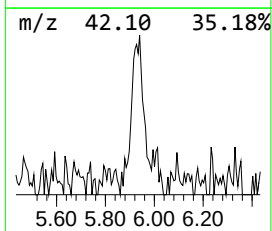
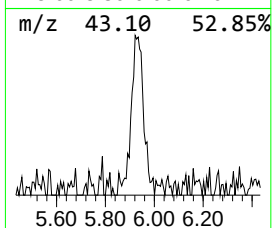
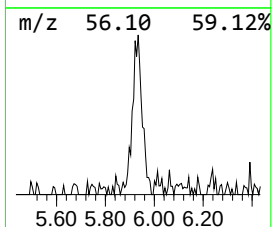
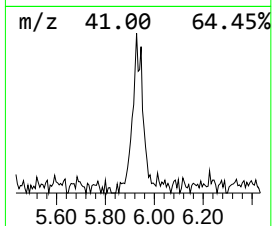
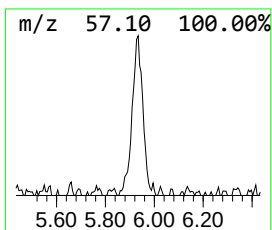
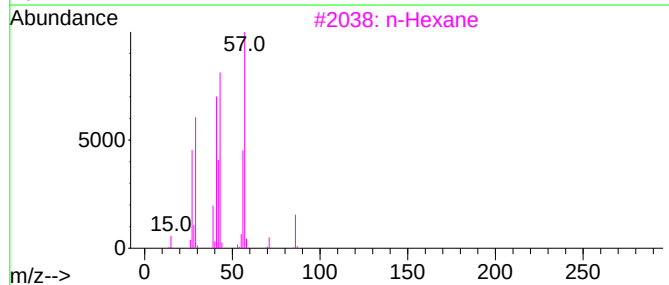
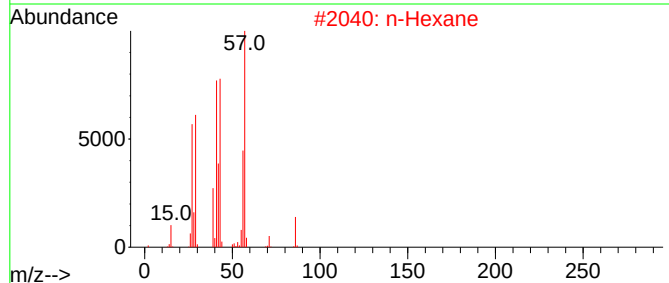
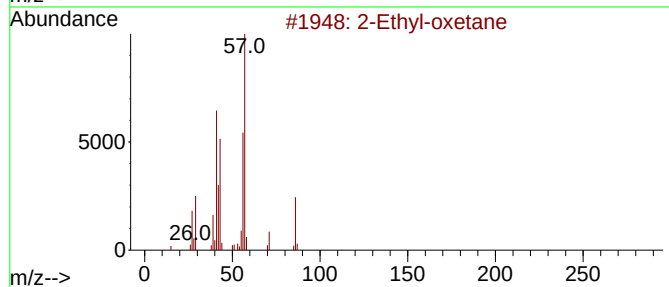
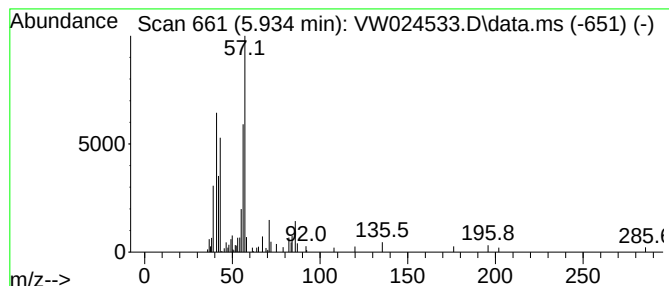
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090222SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 2-Ethyl-oxetane Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.934 | 1.32 ug/L | 35360 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------|-----|---------|--------------|------|
| 1    |    |   | 2-Ethyl-oxetane        | 86  | C5H10O  | 1010386-40-2 | 59   |
| 2    |    |   | n-Hexane               | 86  | C6H14   | 000110-54-3  | 59   |
| 3    |    |   | n-Hexane               | 86  | C6H14   | 000110-54-3  | 59   |
| 4    |    |   | n-Hexane               | 86  | C6H14   | 000110-54-3  | 47   |
| 5    |    |   | Cyclobutanol, 2-ethyl- | 100 | C6H12O  | 035301-43-0  | 43   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Ethyl-oxetane  | 5.934 | 1.3     | ug/L  | 35360    | 1                     | 8.842 | 670990 | 25.0 |