

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121124\  
 Data File : VW031222.D  
 Acq On : 11 Dec 2024 18:27  
 Operator : SY/MD  
 Sample : P5155-15  
 Misc : 4.50g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E28W0

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\SFAMWLM120424SMA.M  
 Title : SFAM01.0

Signal : TIC: VW031222.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         | 2.174       | 42            | 47          | 51           | rBV3     | 7862           | 14182         | 1.10%           | 0.181%        |
| 2         | 2.357       | 72            | 77          | 89           | rVB2     | 84246          | 177522        | 13.83%          | 2.269%        |
| 3         | 2.899       | 160           | 166         | 178          | rVB3     | 48836          | 128616        | 10.02%          | 1.644%        |
| 4         | 3.393       | 240           | 247         | 260          | rVB3     | 38009          | 93643         | 7.29%           | 1.197%        |
| 5         | 3.936       | 335           | 336         | 338          | rBV2     | 1149           | 1119          | 0.09%           | 0.014%        |
| 6         | 4.021       | 341           | 350         | 361          | rVV      | 120272         | 319697        | 24.90%          | 4.086%        |
| 7         | 4.423       | 415           | 416         | 418          | rBV2     | 1515           | 935           | 0.07%           | 0.012%        |
| 8         | 4.576       | 439           | 441         | 446          | rBV5     | 1029           | 1445          | 0.11%           | 0.018%        |
| 9         | 4.625       | 446           | 449         | 452          | rBV5     | 1668           | 2689          | 0.21%           | 0.034%        |
| 10        | 4.893       | 491           | 493         | 495          | rBV3     | 2509           | 2028          | 0.16%           | 0.026%        |
| 11        | 4.960       | 495           | 504         | 510          | rBV8     | 7806           | 24806         | 1.93%           | 0.317%        |
| 12        | 5.228       | 545           | 548         | 549          | rBV3     | 1744           | 1513          | 0.12%           | 0.019%        |
| 13        | 5.289       | 556           | 558         | 561          | rVB4     | 895            | 908           | 0.07%           | 0.012%        |
| 14        | 5.332       | 561           | 565         | 566          | rBV4     | 844            | 983           | 0.08%           | 0.013%        |
| 15        | 5.435       | 574           | 582         | 592          | rVB3     | 9550           | 32806         | 2.56%           | 0.419%        |
| 16        | 5.533       | 596           | 598         | 602          | rVB5     | 1291           | 1494          | 0.12%           | 0.019%        |
| 17        | 5.624       | 610           | 613         | 616          | rBV5     | 1851           | 2491          | 0.19%           | 0.032%        |
| 18        | 5.691       | 622           | 624         | 627          | rBV4     | 1242           | 1177          | 0.09%           | 0.015%        |
| 19        | 5.941       | 658           | 665         | 678          | rVB3     | 17886          | 52351         | 4.08%           | 0.669%        |
| 20        | 6.106       | 686           | 692         | 694          | rBV7     | 3761           | 6990          | 0.54%           | 0.089%        |
| 21        | 6.185       | 703           | 705         | 707          | rBV2     | 2203           | 2242          | 0.17%           | 0.029%        |
| 22        | 6.514       | 756           | 759         | 760          | rBV3     | 1240           | 1475          | 0.11%           | 0.019%        |
| 23        | 6.655       | 780           | 782         | 785          | rVB4     | 1168           | 1147          | 0.09%           | 0.015%        |
| 24        | 6.716       | 785           | 792         | 795          | rBV8     | 1999           | 5040          | 0.39%           | 0.064%        |
| 25        | 6.966       | 832           | 833         | 834          | rBV      | 1948           | 1278          | 0.10%           | 0.016%        |
| 26        | 7.106       | 849           | 856         | 857          | rBV2     | 6035           | 10464         | 0.82%           | 0.134%        |
| 27        | 7.319       | 889           | 891         | 893          | rBV2     | 1561           | 1680          | 0.13%           | 0.021%        |
| 28        | 7.447       | 910           | 912         | 913          | rBV2     | 1245           | 946           | 0.07%           | 0.012%        |
| 29        | 7.526       | 923           | 925         | 926          | rBV      | 1628           | 991           | 0.08%           | 0.013%        |
| 30        | 7.648       | 935           | 945         | 962          | rVB      | 238490         | 596031        | 46.42%          | 7.618%        |
| 31        | 8.154       | 1022          | 1028        | 1037         | rVB9     | 8694           | 20159         | 1.57%           | 0.258%        |
| 32        | 8.276       | 1039          | 1048        | 1066         | rBV2     | 353515         | 1084199       | 84.45%          | 13.857%       |
| 33        | 8.520       | 1083          | 1088        | 1093         | rBV5     | 5120           | 11033         | 0.86%           | 0.141%        |
| 34        | 8.691       | 1112          | 1116        | 1126         | rVB8     | 8834           | 20553         | 1.60%           | 0.263%        |
| 35        | 8.843       | 1132          | 1141        | 1156         | rBV      | 645282         | 1283865       | 100.00%         | 16.409%       |
| 36        | 9.270       | 1203          | 1211        | 1221         | rBV      | 299269         | 619763        | 48.27%          | 7.921%        |

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Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

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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\SFAMWLM120424SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 9.471  | 1242 | 1244 | 1246 | rBV3 | 1645   | 1045    | 0.08%  | 0.013%  |
| 38 | 9.575  | 1259 | 1261 | 1263 | rBV3 | 965    | 1027    | 0.08%  | 0.013%  |
| 39 | 9.672  | 1273 | 1277 | 1279 | rBV4 | 2248   | 3601    | 0.28%  | 0.046%  |
| 40 | 9.947  | 1319 | 1322 | 1323 | rBV3 | 1928   | 2094    | 0.16%  | 0.027%  |
| 41 | 10.032 | 1330 | 1336 | 1344 | rBV3 | 63296  | 115362  | 8.99%  | 1.474%  |
| 42 | 10.319 | 1375 | 1383 | 1395 | rBV  | 379368 | 683119  | 53.21% | 8.731%  |
| 43 | 10.575 | 1419 | 1425 | 1432 | rBV2 | 45695  | 82350   | 6.41%  | 1.053%  |
| 44 | 10.697 | 1438 | 1445 | 1452 | rBV3 | 7817   | 14066   | 1.10%  | 0.180%  |
| 45 | 10.928 | 1475 | 1483 | 1495 | rBV6 | 30510  | 84821   | 6.61%  | 1.084%  |
| 46 | 11.062 | 1503 | 1505 | 1508 | rVB3 | 1862   | 1745    | 0.14%  | 0.022%  |
| 47 | 11.087 | 1508 | 1509 | 1511 | rBV2 | 1236   | 1091    | 0.08%  | 0.014%  |
| 48 | 11.282 | 1539 | 1541 | 1545 | rBV5 | 1928   | 3405    | 0.27%  | 0.044%  |
| 49 | 11.379 | 1554 | 1557 | 1560 | rBV5 | 1672   | 1965    | 0.15%  | 0.025%  |
| 50 | 11.495 | 1573 | 1576 | 1579 | rVV5 | 1338   | 1679    | 0.13%  | 0.021%  |
| 51 | 11.629 | 1590 | 1598 | 1605 | rBV  | 649430 | 1086639 | 84.64% | 13.888% |
| 52 | 12.111 | 1672 | 1677 | 1678 | rBV5 | 1764   | 2849    | 0.22%  | 0.036%  |
| 53 | 12.251 | 1697 | 1700 | 1704 | rVB5 | 1402   | 2045    | 0.16%  | 0.026%  |
| 54 | 12.294 | 1704 | 1707 | 1708 | rBV2 | 1832   | 2184    | 0.17%  | 0.028%  |
| 55 | 12.349 | 1713 | 1716 | 1717 | rBV3 | 1999   | 1793    | 0.14%  | 0.023%  |
| 56 | 12.440 | 1726 | 1731 | 1732 | rBV3 | 2016   | 2526    | 0.20%  | 0.032%  |
| 57 | 12.471 | 1732 | 1736 | 1741 | rVB6 | 7399   | 11477   | 0.89%  | 0.147%  |
| 58 | 12.507 | 1741 | 1742 | 1744 | rBV2 | 971    | 960     | 0.07%  | 0.012%  |
| 59 | 12.599 | 1752 | 1757 | 1764 | rBV3 | 6178   | 11224   | 0.87%  | 0.143%  |
| 60 | 12.690 | 1764 | 1772 | 1780 | rBV  | 168013 | 288675  | 22.48% | 3.690%  |
| 61 | 12.928 | 1807 | 1811 | 1814 | rBV6 | 2561   | 4029    | 0.31%  | 0.051%  |
| 62 | 13.025 | 1819 | 1827 | 1831 | rBV4 | 9870   | 19324   | 1.51%  | 0.247%  |
| 63 | 13.080 | 1834 | 1836 | 1838 | rVB3 | 1106   | 908     | 0.07%  | 0.012%  |
| 64 | 13.105 | 1838 | 1840 | 1846 | rVB6 | 1463   | 2574    | 0.20%  | 0.033%  |
| 65 | 13.178 | 1848 | 1852 | 1856 | rBV7 | 1515   | 3087    | 0.24%  | 0.039%  |
| 66 | 13.227 | 1858 | 1860 | 1861 | rBV2 | 1474   | 1106    | 0.09%  | 0.014%  |
| 67 | 13.355 | 1877 | 1881 | 1882 | rBV4 | 1343   | 1699    | 0.13%  | 0.022%  |
| 68 | 13.397 | 1886 | 1888 | 1889 | rBV2 | 1832   | 1506    | 0.12%  | 0.019%  |
| 69 | 13.464 | 1893 | 1899 | 1907 | rBV7 | 12977  | 24700   | 1.92%  | 0.316%  |
| 70 | 13.556 | 1907 | 1914 | 1922 | rBV  | 274353 | 468512  | 36.49% | 5.988%  |
| 71 | 13.849 | 1955 | 1962 | 1974 | rVB  | 188833 | 316744  | 24.67% | 4.048%  |
| 72 | 14.409 | 2052 | 2054 | 2057 | rBV4 | 1201   | 1642    | 0.13%  | 0.021%  |
| 73 | 14.458 | 2060 | 2062 | 2065 | rBV4 | 1089   | 1256    | 0.10%  | 0.016%  |
| 74 | 14.714 | 2100 | 2104 | 2108 | rVB5 | 3376   | 5417    | 0.42%  | 0.069%  |
| 75 | 14.793 | 2115 | 2117 | 2118 | rBV  | 1295   | 1090    | 0.08%  | 0.014%  |
| 76 | 14.873 | 2127 | 2130 | 2132 | rBV3 | 1355   | 1075    | 0.08%  | 0.014%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E28W0

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\SFAMWLM120424SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |      |      |       |        |
|-----|--------|------|------|------|------|------|------|-------|--------|
| 77  | 14.897 | 2132 | 2134 | 2137 | rVB4 | 677  | 932  | 0.07% | 0.012% |
| 78  | 14.964 | 2144 | 2145 | 2148 | rBV4 | 1271 | 962  | 0.07% | 0.012% |
| 79  | 15.056 | 2156 | 2160 | 2161 | rVV3 | 1089 | 1431 | 0.11% | 0.018% |
| 80  | 15.117 | 2167 | 2170 | 2174 | rBV6 | 1446 | 2374 | 0.18% | 0.030% |
| 81  | 15.147 | 2174 | 2175 | 2178 | rBV3 | 1741 | 1576 | 0.12% | 0.020% |
| 82  | 15.354 | 2204 | 2209 | 2210 | rBV5 | 1419 | 2207 | 0.17% | 0.028% |
| 83  | 15.452 | 2223 | 2225 | 2226 | rBV2 | 1771 | 1293 | 0.10% | 0.017% |
| 84  | 15.610 | 2249 | 2251 | 2254 | rVB3 | 969  | 987  | 0.08% | 0.013% |
| 85  | 15.647 | 2254 | 2257 | 2258 | rBV3 | 1519 | 1231 | 0.10% | 0.016% |
| 86  | 15.665 | 2258 | 2260 | 2262 | rVB3 | 1606 | 1310 | 0.10% | 0.017% |
| 87  | 15.714 | 2266 | 2268 | 2271 | rBV4 | 1549 | 1727 | 0.13% | 0.022% |
| 88  | 15.799 | 2281 | 2282 | 2285 | rVB3 | 1558 | 1092 | 0.09% | 0.014% |
| 89  | 15.836 | 2285 | 2288 | 2292 | rBV6 | 1666 | 2314 | 0.18% | 0.030% |
| 90  | 15.964 | 2307 | 2309 | 2312 | rVB4 | 1118 | 981  | 0.08% | 0.013% |
| 91  | 15.994 | 2312 | 2314 | 2315 | rBV2 | 1340 | 902  | 0.07% | 0.012% |
| 92  | 16.068 | 2325 | 2326 | 2330 | rVB3 | 1020 | 903  | 0.07% | 0.012% |
| 93  | 16.190 | 2343 | 2346 | 2348 | rBV4 | 926  | 1299 | 0.10% | 0.017% |
| 94  | 16.287 | 2359 | 2362 | 2363 | rVB3 | 1187 | 1119 | 0.09% | 0.014% |
| 95  | 16.299 | 2363 | 2364 | 2367 | rBV3 | 1659 | 1676 | 0.13% | 0.021% |
| 96  | 16.354 | 2370 | 2373 | 2374 | rVB3 | 1237 | 944  | 0.07% | 0.012% |
| 97  | 16.372 | 2374 | 2376 | 2377 | rBV  | 1440 | 1075 | 0.08% | 0.014% |
| 98  | 16.568 | 2403 | 2408 | 2409 | rBV4 | 1446 | 1894 | 0.15% | 0.024% |
| 99  | 16.653 | 2419 | 2422 | 2423 | rBV3 | 1188 | 1105 | 0.09% | 0.014% |
| 100 | 16.750 | 2433 | 2438 | 2441 | rBV5 | 1643 | 2185 | 0.17% | 0.028% |

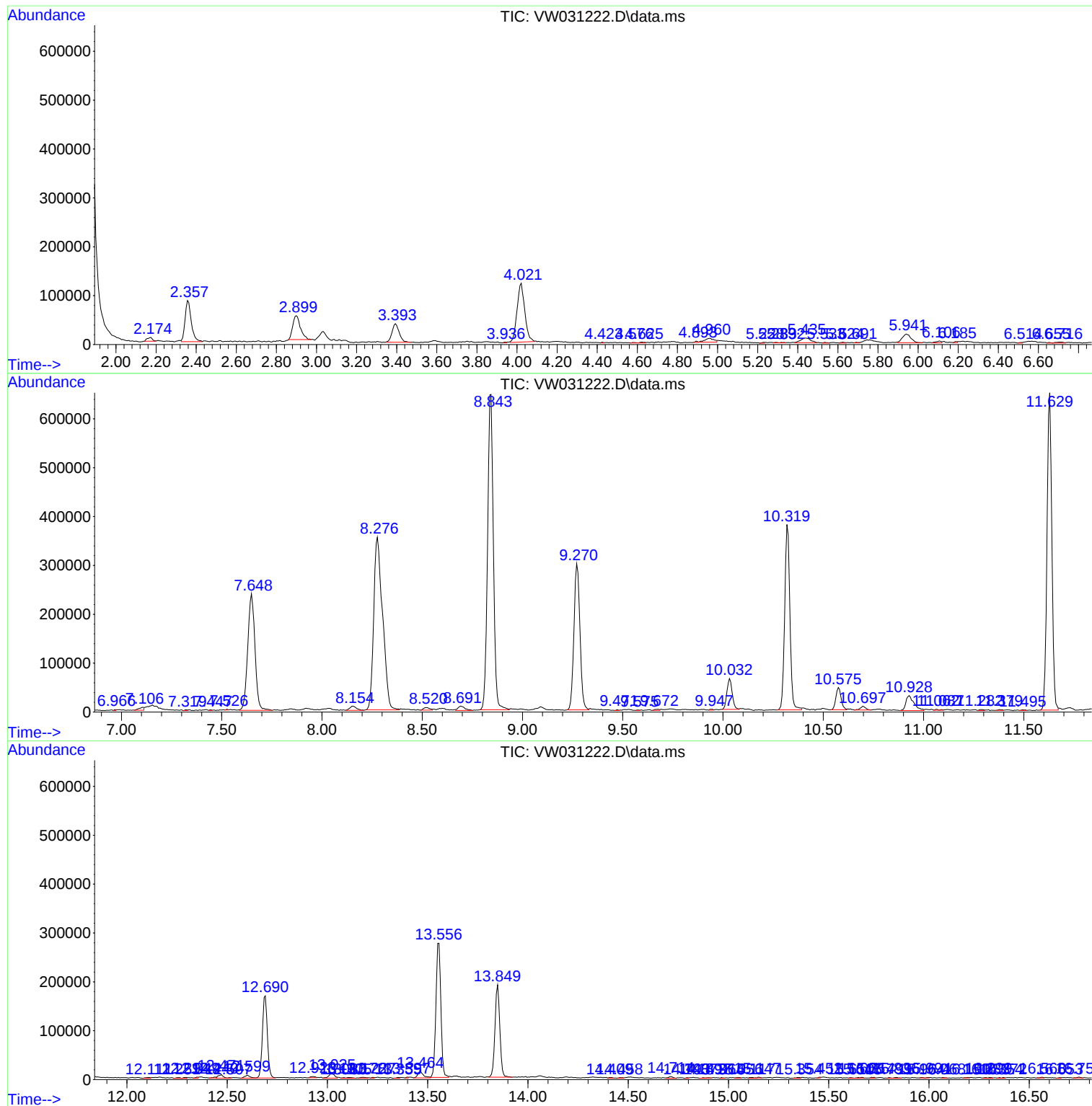
Sum of corrected areas: 7824191

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121124\  
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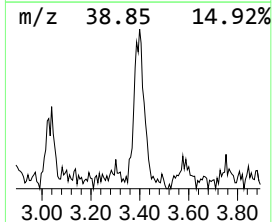
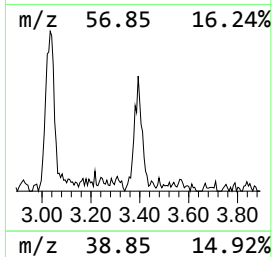
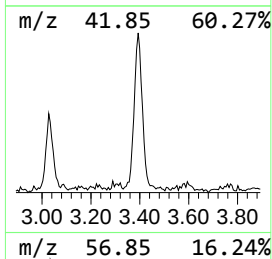
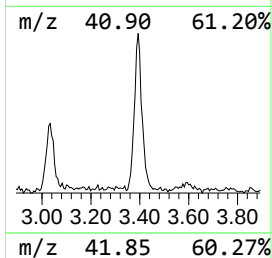
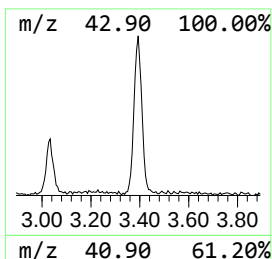
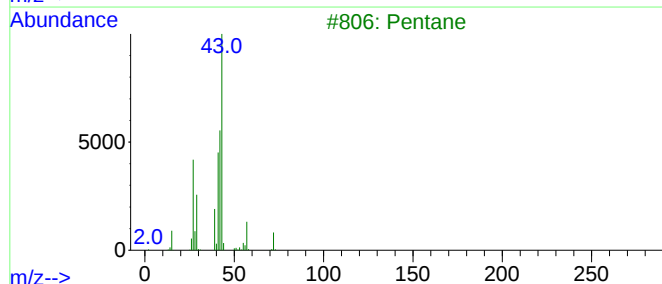
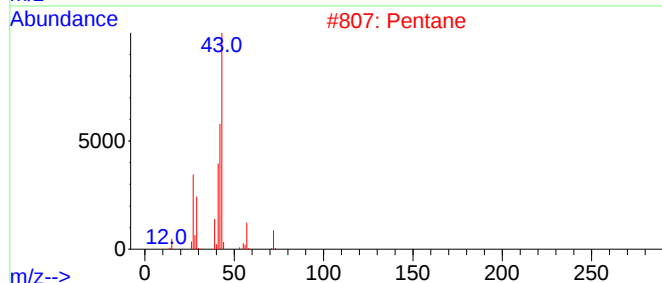
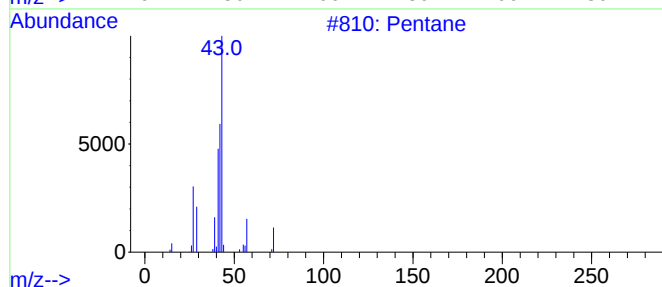
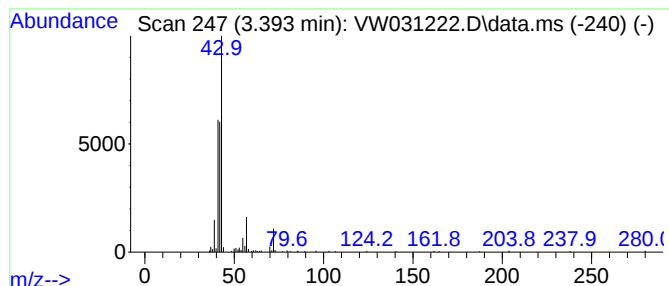
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 3.393 | 1.82 ug/L | 93643 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of                | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-------------------|---|--------------|----|---------|-------------|------|
| 1    | Pentane           |   |              | 72 | C5H12   | 000109-66-0 | 86   |
| 2    | Pentane           |   |              | 72 | C5H12   | 000109-66-0 | 80   |
| 3    | Pentane           |   |              | 72 | C5H12   | 000109-66-0 | 80   |
| 4    | Butane, 2-methyl- |   |              | 72 | C5H12   | 000078-78-4 | 53   |
| 5    | Pentane           |   |              | 72 | C5H12   | 000109-66-0 | 43   |



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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 |
| (DEL) Alkane: S... | 3.393 | 1.8     | ug/L  | 93643    | 1                     | 8.843 | 1283870 | 25.0 |