

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071923\  
 Data File : VW026622.D  
 Acq On : 19 Jul 2023 14:39  
 Operator : SY/MD  
 Sample : 03656-04  
 Misc : 4.48g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BH2T0

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\SFAMWLM071123SMA.M  
 Title : SFAM01.0

Signal : TIC: VW026622.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         | 2.137       | 38            | 41          | 43           | rBV3     | 3430           | 4691          | 0.19%           | 0.025%        |
| 2         | 2.222       | 50            | 55          | 56           | rBV4     | 4896           | 8104          | 0.33%           | 0.043%        |
| 3         | 2.363       | 72            | 78          | 96           | rBV2     | 100292         | 284551        | 11.49%          | 1.527%        |
| 4         | 2.893       | 159           | 165         | 180          | rVB      | 84312          | 245385        | 9.91%           | 1.317%        |
| 5         | 3.393       | 241           | 247         | 251          | rVB5     | 3770           | 6745          | 0.27%           | 0.036%        |
| 6         | 3.490       | 261           | 263         | 266          | rVB3     | 1859           | 1344          | 0.05%           | 0.007%        |
| 7         | 3.558       | 272           | 274         | 278          | rVB5     | 1394           | 1242          | 0.05%           | 0.007%        |
| 8         | 3.600       | 278           | 281         | 283          | rVB4     | 1157           | 1277          | 0.05%           | 0.007%        |
| 9         | 3.868       | 322           | 325         | 327          | rBV4     | 917            | 1245          | 0.05%           | 0.007%        |
| 10        | 4.021       | 339           | 350         | 379          | rBV      | 212397         | 792534        | 32.00%          | 4.253%        |
| 11        | 4.253       | 386           | 388         | 391          | rVB4     | 1347           | 1182          | 0.05%           | 0.006%        |
| 12        | 4.295       | 391           | 395         | 396          | rVB4     | 1125           | 1247          | 0.05%           | 0.007%        |
| 13        | 4.393       | 403           | 411         | 421          | rBV      | 8988           | 28884         | 1.17%           | 0.155%        |
| 14        | 4.637       | 450           | 451         | 455          | rBV4     | 977            | 1241          | 0.05%           | 0.007%        |
| 15        | 4.923       | 486           | 498         | 517          | rBV2     | 36436          | 158231        | 6.39%           | 0.849%        |
| 16        | 5.130       | 526           | 532         | 534          | rBV4     | 4264           | 7289          | 0.29%           | 0.039%        |
| 17        | 5.222       | 544           | 547         | 550          | rVB5     | 1704           | 2008          | 0.08%           | 0.011%        |
| 18        | 5.423       | 577           | 580         | 581          | rBV3     | 1773           | 2021          | 0.08%           | 0.011%        |
| 19        | 5.746       | 628           | 633         | 636          | rBV5     | 2310           | 3827          | 0.15%           | 0.021%        |
| 20        | 5.807       | 641           | 643         | 646          | rVB3     | 2013           | 1724          | 0.07%           | 0.009%        |
| 21        | 5.941       | 655           | 665         | 677          | rBV2     | 62577          | 192743        | 7.78%           | 1.034%        |
| 22        | 6.173       | 699           | 703         | 705          | rBV5     | 1087           | 1244          | 0.05%           | 0.007%        |
| 23        | 6.228       | 709           | 712         | 713          | rVV3     | 1416           | 1179          | 0.05%           | 0.006%        |
| 24        | 6.618       | 773           | 776         | 780          | rBV6     | 823            | 1349          | 0.05%           | 0.007%        |
| 25        | 6.667       | 782           | 784         | 789          | rBV7     | 838            | 1255          | 0.05%           | 0.007%        |
| 26        | 6.862       | 810           | 816         | 817          | rBV5     | 1066           | 1213          | 0.05%           | 0.007%        |
| 27        | 6.978       | 832           | 835         | 837          | rBV4     | 1099           | 1634          | 0.07%           | 0.009%        |
| 28        | 7.075       | 841           | 851         | 856          | rBV      | 95255          | 263367        | 10.63%          | 1.413%        |
| 29        | 7.136       | 856           | 861         | 876          | rVB      | 129694         | 364515        | 14.72%          | 1.956%        |
| 30        | 7.429       | 908           | 909         | 913          | rVB3     | 1422           | 1462          | 0.06%           | 0.008%        |
| 31        | 7.648       | 935           | 945         | 958          | rBV      | 396503         | 979591        | 39.55%          | 5.257%        |
| 32        | 7.782       | 965           | 967         | 969          | rVV2     | 1355           | 1203          | 0.05%           | 0.006%        |
| 33        | 7.953       | 992           | 995         | 997          | rBV4     | 2239           | 2425          | 0.10%           | 0.013%        |
| 34        | 8.148       | 1023          | 1027        | 1029         | rBV5     | 1361           | 1675          | 0.07%           | 0.009%        |
| 35        | 8.276       | 1037          | 1048        | 1065         | rBV2     | 840337         | 2476671       | 100.00%         | 13.291%       |
| 36        | 8.520       | 1085          | 1088        | 1089         | rBV3     | 1712           | 1430          | 0.06%           | 0.008%        |

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Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071123SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 8.575  | 1093 | 1097 | 1098 | rBV4 | 1233    | 1326    | 0.05%  | 0.007%  |
| 38 | 8.612  | 1100 | 1103 | 1105 | rBV4 | 1958    | 2557    | 0.10%  | 0.014%  |
| 39 | 8.843  | 1131 | 1141 | 1153 | rBV  | 842750  | 1633134 | 65.94% | 8.764%  |
| 40 | 9.050  | 1171 | 1175 | 1176 | rBV4 | 2726    | 3354    | 0.14%  | 0.018%  |
| 41 | 9.276  | 1204 | 1212 | 1223 | rBV  | 563638  | 1167776 | 47.15% | 6.267%  |
| 42 | 10.032 | 1330 | 1336 | 1346 | rVB  | 286933  | 517627  | 20.90% | 2.778%  |
| 43 | 10.191 | 1360 | 1362 | 1363 | rBV2 | 2044    | 1768    | 0.07%  | 0.009%  |
| 44 | 10.325 | 1376 | 1384 | 1393 | rBV  | 1103419 | 1908566 | 77.06% | 10.243% |
| 45 | 10.575 | 1419 | 1425 | 1435 | rVV  | 183850  | 331532  | 13.39% | 1.779%  |
| 46 | 10.703 | 1438 | 1446 | 1452 | rBV2 | 46440   | 85564   | 3.45%  | 0.459%  |
| 47 | 10.788 | 1458 | 1460 | 1463 | rVB4 | 2331    | 2135    | 0.09%  | 0.011%  |
| 48 | 10.849 | 1465 | 1470 | 1475 | rVV8 | 3034    | 5781    | 0.23%  | 0.031%  |
| 49 | 10.922 | 1475 | 1482 | 1498 | rVV  | 332465  | 590036  | 23.82% | 3.166%  |
| 50 | 11.062 | 1501 | 1505 | 1510 | rVB2 | 16641   | 28601   | 1.15%  | 0.153%  |
| 51 | 11.172 | 1519 | 1523 | 1531 | rVB8 | 5179    | 11129   | 0.45%  | 0.060%  |
| 52 | 11.398 | 1559 | 1560 | 1561 | rVV  | 2577    | 1386    | 0.06%  | 0.007%  |
| 53 | 11.434 | 1561 | 1566 | 1572 | rVB2 | 10557   | 20157   | 0.81%  | 0.108%  |
| 54 | 11.532 | 1579 | 1582 | 1585 | rVB5 | 1055    | 1393    | 0.06%  | 0.007%  |
| 55 | 11.629 | 1590 | 1598 | 1612 | rBV  | 1138854 | 1922395 | 77.62% | 10.317% |
| 56 | 11.800 | 1623 | 1626 | 1628 | rVV4 | 1204    | 1587    | 0.06%  | 0.009%  |
| 57 | 11.824 | 1628 | 1630 | 1631 | rVV2 | 1538    | 1435    | 0.06%  | 0.008%  |
| 58 | 11.837 | 1631 | 1632 | 1635 | rVV3 | 2675    | 2636    | 0.11%  | 0.014%  |
| 59 | 11.867 | 1635 | 1637 | 1642 | rVB6 | 2640    | 3660    | 0.15%  | 0.020%  |
| 60 | 12.062 | 1665 | 1669 | 1671 | rBV5 | 1113    | 1832    | 0.07%  | 0.010%  |
| 61 | 12.166 | 1681 | 1686 | 1687 | rBV4 | 2147    | 2552    | 0.10%  | 0.014%  |
| 62 | 12.245 | 1693 | 1699 | 1702 | rBV8 | 3212    | 5718    | 0.23%  | 0.031%  |
| 63 | 12.458 | 1732 | 1734 | 1739 | rVB6 | 1786    | 3334    | 0.13%  | 0.018%  |
| 64 | 12.593 | 1750 | 1756 | 1765 | rBV5 | 47828   | 102331  | 4.13%  | 0.549%  |
| 65 | 12.690 | 1765 | 1772 | 1779 | rBV  | 484973  | 790633  | 31.92% | 4.243%  |
| 66 | 12.751 | 1779 | 1782 | 1791 | rVB3 | 15339   | 30690   | 1.24%  | 0.165%  |
| 67 | 12.867 | 1798 | 1801 | 1803 | rBV4 | 1585    | 2058    | 0.08%  | 0.011%  |
| 68 | 12.928 | 1807 | 1811 | 1814 | rBV5 | 7132    | 12032   | 0.49%  | 0.065%  |
| 69 | 13.080 | 1832 | 1836 | 1837 | rBV4 | 1875    | 1969    | 0.08%  | 0.011%  |
| 70 | 13.123 | 1841 | 1843 | 1845 | rVV3 | 1518    | 1669    | 0.07%  | 0.009%  |
| 71 | 13.153 | 1845 | 1848 | 1849 | rVV3 | 3032    | 2836    | 0.11%  | 0.015%  |
| 72 | 13.190 | 1849 | 1854 | 1858 | rVB  | 12799   | 19931   | 0.80%  | 0.107%  |
| 73 | 13.294 | 1866 | 1871 | 1877 | rVB4 | 8863    | 15351   | 0.62%  | 0.082%  |
| 74 | 13.403 | 1880 | 1889 | 1895 | rBV2 | 18830   | 35555   | 1.44%  | 0.191%  |
| 75 | 13.507 | 1896 | 1906 | 1907 | rBV9 | 4715    | 11146   | 0.45%  | 0.060%  |
| 76 | 13.556 | 1907 | 1914 | 1927 | rBV  | 1149084 | 1829569 | 73.87% | 9.819%  |

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 BH2T0

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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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\SFAMWLM071123SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |       |        |         |        |        |
|-----|--------|------|------|------|-------|--------|---------|--------|--------|
| 77  | 13.696 | 1936 | 1937 | 1941 | rVB4  | 1926   | 1349    | 0.05%  | 0.007% |
| 78  | 13.757 | 1943 | 1947 | 1952 | rVV6  | 5774   | 10189   | 0.41%  | 0.055% |
| 79  | 13.848 | 1955 | 1962 | 1974 | rBV   | 943840 | 1553889 | 62.74% | 8.339% |
| 80  | 14.062 | 1992 | 1997 | 2003 | rBV   | 13906  | 21846   | 0.88%  | 0.117% |
| 81  | 14.184 | 2015 | 2017 | 2022 | rVV6  | 2587   | 3997    | 0.16%  | 0.021% |
| 82  | 14.281 | 2029 | 2033 | 2034 | rBV4  | 1231   | 1487    | 0.06%  | 0.008% |
| 83  | 14.324 | 2037 | 2040 | 2044 | rVB6  | 3356   | 4991    | 0.20%  | 0.027% |
| 84  | 14.629 | 2085 | 2090 | 2094 | rVB7  | 4151   | 7024    | 0.28%  | 0.038% |
| 85  | 14.702 | 2097 | 2102 | 2103 | rBV4  | 2526   | 3934    | 0.16%  | 0.021% |
| 86  | 14.824 | 2119 | 2122 | 2124 | rBV3  | 1444   | 2041    | 0.08%  | 0.011% |
| 87  | 14.940 | 2139 | 2141 | 2144 | rBV4  | 1190   | 1888    | 0.08%  | 0.010% |
| 88  | 15.129 | 2169 | 2172 | 2177 | rVB5  | 3477   | 5964    | 0.24%  | 0.032% |
| 89  | 15.354 | 2207 | 2209 | 2211 | rBV3  | 1643   | 1554    | 0.06%  | 0.008% |
| 90  | 15.427 | 2217 | 2221 | 2227 | rVB2  | 13950  | 23549   | 0.95%  | 0.126% |
| 91  | 15.677 | 2258 | 2262 | 2266 | rBV6  | 2489   | 5193    | 0.21%  | 0.028% |
| 92  | 15.879 | 2294 | 2295 | 2300 | rVB4  | 1538   | 1656    | 0.07%  | 0.009% |
| 93  | 15.946 | 2303 | 2306 | 2307 | rBV2  | 2083   | 2110    | 0.09%  | 0.011% |
| 94  | 16.098 | 2329 | 2331 | 2334 | rVB4  | 2012   | 1425    | 0.06%  | 0.008% |
| 95  | 16.287 | 2360 | 2362 | 2364 | rBV3  | 1043   | 1262    | 0.05%  | 0.007% |
| 96  | 16.354 | 2372 | 2373 | 2377 | rVB4  | 1259   | 1410    | 0.06%  | 0.008% |
| 97  | 16.476 | 2386 | 2393 | 2397 | rVV10 | 2215   | 5748    | 0.23%  | 0.031% |
| 98  | 16.573 | 2407 | 2409 | 2412 | rBV4  | 1586   | 1822    | 0.07%  | 0.010% |
| 99  | 16.665 | 2420 | 2424 | 2426 | rVB4  | 2336   | 3219    | 0.13%  | 0.017% |
| 100 | 16.708 | 2426 | 2431 | 2434 | rBV7  | 1987   | 3685    | 0.15%  | 0.020% |

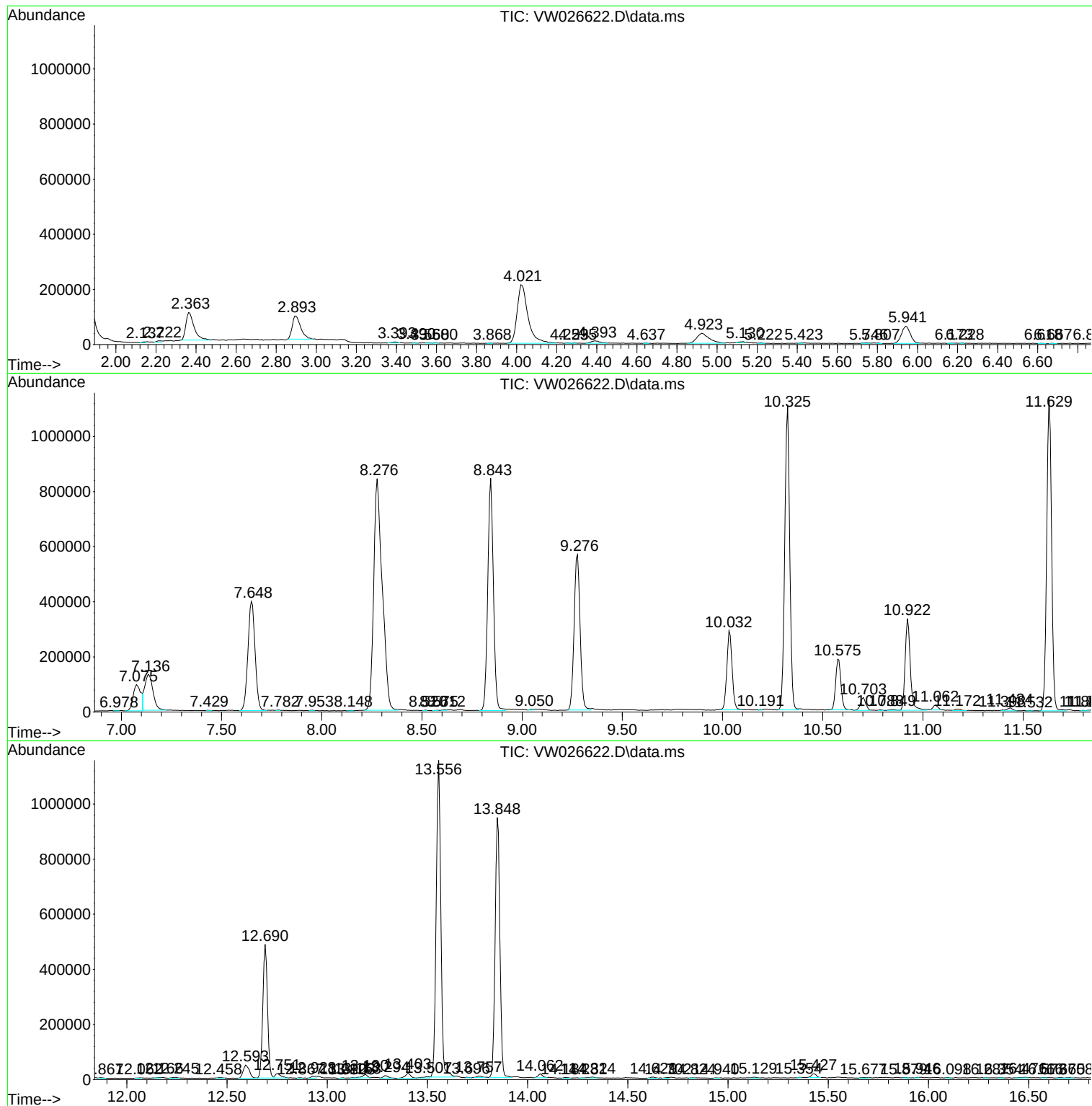
Sum of corrected areas: 18633701

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071123SMA.M  
Quant Title : SFAM01.0

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



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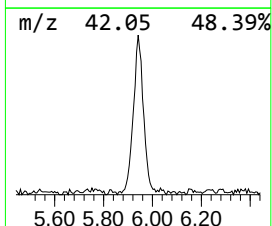
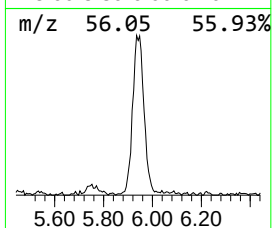
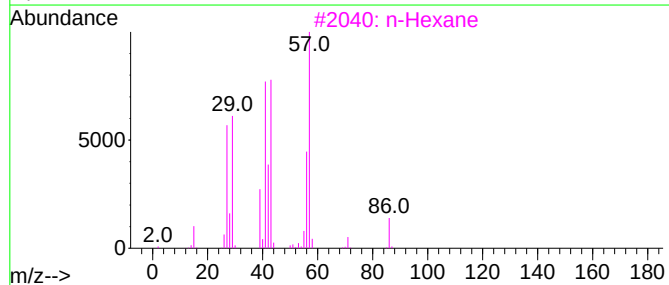
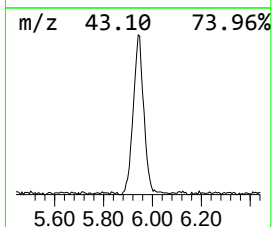
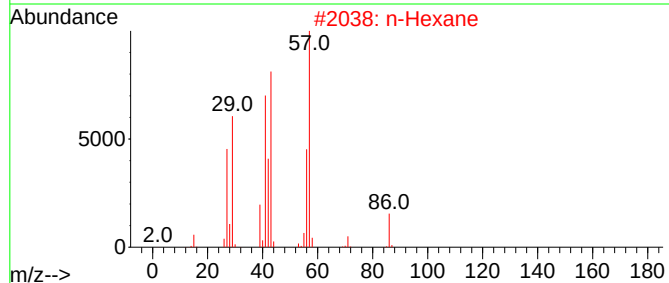
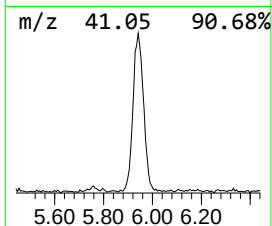
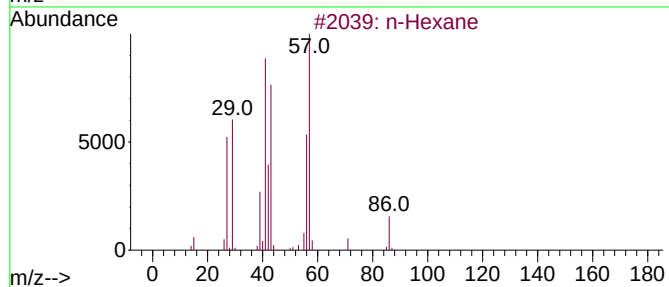
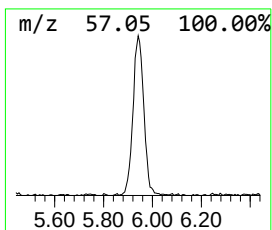
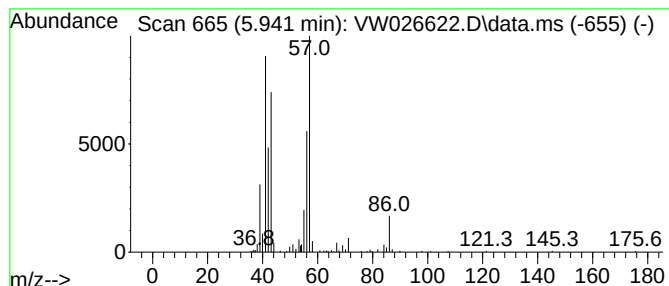
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071123SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 5.941 | 2.95 ug/L | 192743 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#         | Qual |
|------|----|---|-----------------|----|---------|--------------|------|
| 1    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 91   |
| 2    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 86   |
| 3    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 86   |
| 4    |    |   | 2-Ethyl-oxetane | 86 | C5H10O  | 1010386-40-2 | 74   |
| 5    |    |   | 1-Hexene        | 84 | C6H12   | 000592-41-6  | 40   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: S... | 5.941 | 3.0     | ug/L  | 192743   | 1                     | 8.843 | 1633130 | 25.0 |