

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071123\  
 Data File : VW026597.D  
 Acq On : 11 Jul 2023 15:18  
 Operator : SY/MD  
 Sample : 03551-10  
 Misc : 5.05g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK002

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: VW026597.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         | 2.149       | 36            | 43          | 44           | rBV3     | 4331           | 8555          | 0.33%           | 0.045%        |
| 2         | 2.363       | 72            | 78          | 102          | rBV      | 98058          | 336646        | 12.80%          | 1.756%        |
| 3         | 2.899       | 159           | 166         | 178          | rBV      | 90530          | 272508        | 10.36%          | 1.422%        |
| 4         | 3.393       | 242           | 247         | 260          | rVB3     | 7392           | 20104         | 0.76%           | 0.105%        |
| 5         | 3.692       | 295           | 296         | 299          | rVB3     | 1686           | 1199          | 0.05%           | 0.006%        |
| 6         | 4.027       | 338           | 351         | 375          | rBV      | 231605         | 874896        | 33.26%          | 4.565%        |
| 7         | 4.393       | 404           | 411         | 427          | rVB2     | 8210           | 28905         | 1.10%           | 0.151%        |
| 8         | 4.521       | 429           | 432         | 435          | rVB5     | 867            | 1235          | 0.05%           | 0.006%        |
| 9         | 4.929       | 485           | 499         | 516          | rBV2     | 45044          | 202926        | 7.71%           | 1.059%        |
| 10        | 5.082       | 521           | 524         | 527          | rBV5     | 1119           | 1897          | 0.07%           | 0.010%        |
| 11        | 5.118       | 529           | 530         | 533          | rBV2     | 1811           | 1818          | 0.07%           | 0.009%        |
| 12        | 5.441       | 582           | 583         | 586          | rVV3     | 1097           | 1203          | 0.05%           | 0.006%        |
| 13        | 5.533       | 596           | 598         | 602          | rVB5     | 960            | 1170          | 0.04%           | 0.006%        |
| 14        | 5.606       | 606           | 610         | 612          | rBV5     | 860            | 1236          | 0.05%           | 0.006%        |
| 15        | 5.856       | 647           | 651         | 653          | rBV5     | 1388           | 1456          | 0.06%           | 0.008%        |
| 16        | 5.941       | 655           | 665         | 678          | rVV2     | 29743          | 92813         | 3.53%           | 0.484%        |
| 17        | 6.045       | 681           | 682         | 687          | rBV5     | 1128           | 1480          | 0.06%           | 0.008%        |
| 18        | 6.441       | 745           | 747         | 749          | rBV3     | 1213           | 1157          | 0.04%           | 0.006%        |
| 19        | 6.502       | 753           | 757         | 758          | rVV3     | 1246           | 1155          | 0.04%           | 0.006%        |
| 20        | 6.600       | 770           | 773         | 776          | rBV4     | 747            | 1092          | 0.04%           | 0.006%        |
| 21        | 6.703       | 787           | 790         | 793          | rBV5     | 1160           | 1292          | 0.05%           | 0.007%        |
| 22        | 6.795       | 803           | 805         | 809          | rBV6     | 793            | 1253          | 0.05%           | 0.007%        |
| 23        | 6.911       | 822           | 824         | 827          | rBV4     | 1000           | 1177          | 0.04%           | 0.006%        |
| 24        | 6.978       | 832           | 835         | 836          | rBV3     | 1115           | 1470          | 0.06%           | 0.008%        |
| 25        | 7.081       | 842           | 852         | 857          | rBV      | 81974          | 230759        | 8.77%           | 1.204%        |
| 26        | 7.533       | 922           | 926         | 930          | rBV7     | 1063           | 1856          | 0.07%           | 0.010%        |
| 27        | 7.648       | 935           | 945         | 956          | rBV      | 410072         | 1017361       | 38.67%          | 5.308%        |
| 28        | 7.770       | 961           | 965         | 968          | rBV5     | 1866           | 2678          | 0.10%           | 0.014%        |
| 29        | 7.959       | 992           | 996         | 1003         | rVB9     | 1609           | 4299          | 0.16%           | 0.022%        |
| 30        | 8.276       | 1036          | 1048        | 1065         | rBV2     | 880066         | 2630553       | 100.00%         | 13.725%       |
| 31        | 8.490       | 1082          | 1083        | 1086         | rVB3     | 1974           | 1125          | 0.04%           | 0.006%        |
| 32        | 8.532       | 1086          | 1090        | 1093         | rVB5     | 1139           | 1440          | 0.05%           | 0.008%        |
| 33        | 8.575       | 1095          | 1097        | 1100         | rBV4     | 1398           | 1813          | 0.07%           | 0.009%        |
| 34        | 8.612       | 1100          | 1103        | 1105         | rBV4     | 1095           | 1330          | 0.05%           | 0.007%        |
| 35        | 8.843       | 1132          | 1141        | 1155         | rBV      | 894077         | 1767498       | 67.19%          | 9.222%        |
| 36        | 9.087       | 1175          | 1181        | 1185         | rVB9     | 3119           | 5700          | 0.22%           | 0.030%        |

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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\SFAMWLM071123SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 9.276  | 1203 | 1212 | 1222 | rBV  | 584030  | 1199259 | 45.59% | 6.257%  |
| 38 | 9.514  | 1248 | 1251 | 1254 | rVB5 | 1357    | 1676    | 0.06%  | 0.009%  |
| 39 | 9.660  | 1273 | 1275 | 1276 | rBV2 | 1706    | 1701    | 0.06%  | 0.009%  |
| 40 | 9.868  | 1306 | 1309 | 1310 | rVV3 | 1399    | 1359    | 0.05%  | 0.007%  |
| 41 | 9.898  | 1310 | 1314 | 1318 | rVB5 | 2764    | 5555    | 0.21%  | 0.029%  |
| 42 | 10.032 | 1326 | 1336 | 1344 | rBV  | 289238  | 538053  | 20.45% | 2.807%  |
| 43 | 10.172 | 1357 | 1359 | 1361 | rVB3 | 1540    | 1312    | 0.05%  | 0.007%  |
| 44 | 10.252 | 1370 | 1372 | 1376 | rVB5 | 2783    | 3053    | 0.12%  | 0.016%  |
| 45 | 10.325 | 1376 | 1384 | 1393 | rBV  | 1193380 | 2065276 | 78.51% | 10.775% |
| 46 | 10.581 | 1419 | 1426 | 1438 | rBV  | 187300  | 336791  | 12.80% | 1.757%  |
| 47 | 10.703 | 1439 | 1446 | 1452 | rVB  | 66862   | 126144  | 4.80%  | 0.658%  |
| 48 | 10.843 | 1463 | 1469 | 1475 | rVB8 | 6063    | 11293   | 0.43%  | 0.059%  |
| 49 | 10.922 | 1475 | 1482 | 1499 | rBV  | 298376  | 548919  | 20.87% | 2.864%  |
| 50 | 11.069 | 1500 | 1506 | 1511 | rVB4 | 9662    | 18832   | 0.72%  | 0.098%  |
| 51 | 11.178 | 1519 | 1524 | 1529 | rVB3 | 7165    | 11319   | 0.43%  | 0.059%  |
| 52 | 11.325 | 1545 | 1548 | 1551 | rBV5 | 989     | 1303    | 0.05%  | 0.007%  |
| 53 | 11.434 | 1556 | 1566 | 1573 | rVB2 | 25636   | 49257   | 1.87%  | 0.257%  |
| 54 | 11.629 | 1589 | 1598 | 1607 | rBV  | 1242106 | 2098428 | 79.77% | 10.948% |
| 55 | 11.898 | 1641 | 1642 | 1645 | rVB3 | 1462    | 1309    | 0.05%  | 0.007%  |
| 56 | 11.934 | 1645 | 1648 | 1649 | rBV3 | 1488    | 1441    | 0.05%  | 0.008%  |
| 57 | 12.087 | 1670 | 1673 | 1674 | rBV3 | 1317    | 1127    | 0.04%  | 0.006%  |
| 58 | 12.166 | 1683 | 1686 | 1688 | rBV4 | 1986    | 1982    | 0.08%  | 0.010%  |
| 59 | 12.239 | 1695 | 1698 | 1700 | rBV4 | 1369    | 1758    | 0.07%  | 0.009%  |
| 60 | 12.355 | 1713 | 1717 | 1720 | rVB6 | 1746    | 2125    | 0.08%  | 0.011%  |
| 61 | 12.465 | 1731 | 1735 | 1740 | rVV6 | 5096    | 8331    | 0.32%  | 0.043%  |
| 62 | 12.544 | 1746 | 1748 | 1750 | rVB3 | 1091    | 1123    | 0.04%  | 0.006%  |
| 63 | 12.605 | 1750 | 1758 | 1765 | rBV2 | 43341   | 81776   | 3.11%  | 0.427%  |
| 64 | 12.690 | 1765 | 1772 | 1780 | rVV  | 439796  | 729098  | 27.72% | 3.804%  |
| 65 | 12.757 | 1781 | 1783 | 1791 | rVB8 | 2509    | 4336    | 0.16%  | 0.023%  |
| 66 | 12.928 | 1807 | 1811 | 1812 | rBV4 | 2279    | 2947    | 0.11%  | 0.015%  |
| 67 | 13.013 | 1823 | 1825 | 1826 | rBV2 | 1392    | 1210    | 0.05%  | 0.006%  |
| 68 | 13.074 | 1833 | 1835 | 1840 | rVB5 | 1465    | 1571    | 0.06%  | 0.008%  |
| 69 | 13.190 | 1850 | 1854 | 1858 | rBV6 | 2771    | 3920    | 0.15%  | 0.020%  |
| 70 | 13.294 | 1867 | 1871 | 1876 | rVB5 | 4983    | 7898    | 0.30%  | 0.041%  |
| 71 | 13.403 | 1883 | 1889 | 1896 | rVB5 | 5284    | 10021   | 0.38%  | 0.052%  |
| 72 | 13.471 | 1896 | 1900 | 1902 | rBV4 | 3673    | 5471    | 0.21%  | 0.029%  |
| 73 | 13.556 | 1907 | 1914 | 1927 | rBV  | 1267818 | 1952771 | 74.23% | 10.188% |
| 74 | 13.763 | 1943 | 1948 | 1950 | rBV5 | 3599    | 6239    | 0.24%  | 0.033%  |
| 75 | 13.849 | 1954 | 1962 | 1975 | rBV  | 958499  | 1616200 | 61.44% | 8.432%  |
| 76 | 14.062 | 1992 | 1997 | 2005 | rBV  | 31664   | 51827   | 1.97%  | 0.270%  |

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 VHBLK002

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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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

|     |        |      |      |      |       |       |       |       |        |
|-----|--------|------|------|------|-------|-------|-------|-------|--------|
| 77  | 14.196 | 2015 | 2019 | 2021 | rBV5  | 1316  | 1487  | 0.06% | 0.008% |
| 78  | 14.324 | 2032 | 2040 | 2042 | rBV9  | 3311  | 7239  | 0.28% | 0.038% |
| 79  | 14.464 | 2061 | 2063 | 2064 | rBV2  | 1752  | 1677  | 0.06% | 0.009% |
| 80  | 14.483 | 2064 | 2066 | 2068 | rVV3  | 1631  | 1668  | 0.06% | 0.009% |
| 81  | 14.623 | 2084 | 2089 | 2095 | rVB10 | 2377  | 5198  | 0.20% | 0.027% |
| 82  | 14.696 | 2099 | 2101 | 2102 | rVV2  | 2267  | 1990  | 0.08% | 0.010% |
| 83  | 14.714 | 2102 | 2104 | 2110 | rVB5  | 3771  | 5119  | 0.19% | 0.027% |
| 84  | 14.787 | 2113 | 2116 | 2118 | rVB4  | 1395  | 1615  | 0.06% | 0.008% |
| 85  | 14.836 | 2118 | 2124 | 2125 | rBV6  | 1391  | 2500  | 0.10% | 0.013% |
| 86  | 14.854 | 2125 | 2127 | 2130 | rVB4  | 1444  | 1083  | 0.04% | 0.006% |
| 87  | 14.928 | 2138 | 2139 | 2141 | rBV2  | 1705  | 1049  | 0.04% | 0.005% |
| 88  | 15.117 | 2167 | 2170 | 2171 | rBV3  | 1700  | 1948  | 0.07% | 0.010% |
| 89  | 15.178 | 2178 | 2180 | 2181 | rBV2  | 1541  | 1308  | 0.05% | 0.007% |
| 90  | 15.367 | 2207 | 2211 | 2212 | rVV4  | 2233  | 3042  | 0.12% | 0.016% |
| 91  | 15.427 | 2216 | 2221 | 2226 | rVV2  | 24144 | 46969 | 1.79% | 0.245% |
| 92  | 15.482 | 2226 | 2230 | 2237 | rVV   | 10941 | 21536 | 0.82% | 0.112% |
| 93  | 15.549 | 2239 | 2241 | 2246 | rVB6  | 2949  | 3609  | 0.14% | 0.019% |
| 94  | 15.787 | 2276 | 2280 | 2286 | rVB9  | 3527  | 7631  | 0.29% | 0.040% |
| 95  | 15.866 | 2291 | 2293 | 2294 | rBV2  | 1648  | 1577  | 0.06% | 0.008% |
| 96  | 15.952 | 2306 | 2307 | 2313 | rVB6  | 2683  | 2985  | 0.11% | 0.016% |
| 97  | 16.037 | 2319 | 2321 | 2323 | rBV3  | 1234  | 1316  | 0.05% | 0.007% |
| 98  | 16.653 | 2419 | 2422 | 2423 | rBV3  | 1713  | 1898  | 0.07% | 0.010% |
| 99  | 16.738 | 2435 | 2436 | 2438 | rVB2  | 1841  | 1145  | 0.04% | 0.006% |
| 100 | 16.769 | 2438 | 2441 | 2443 | rBV4  | 1584  | 2066  | 0.08% | 0.011% |

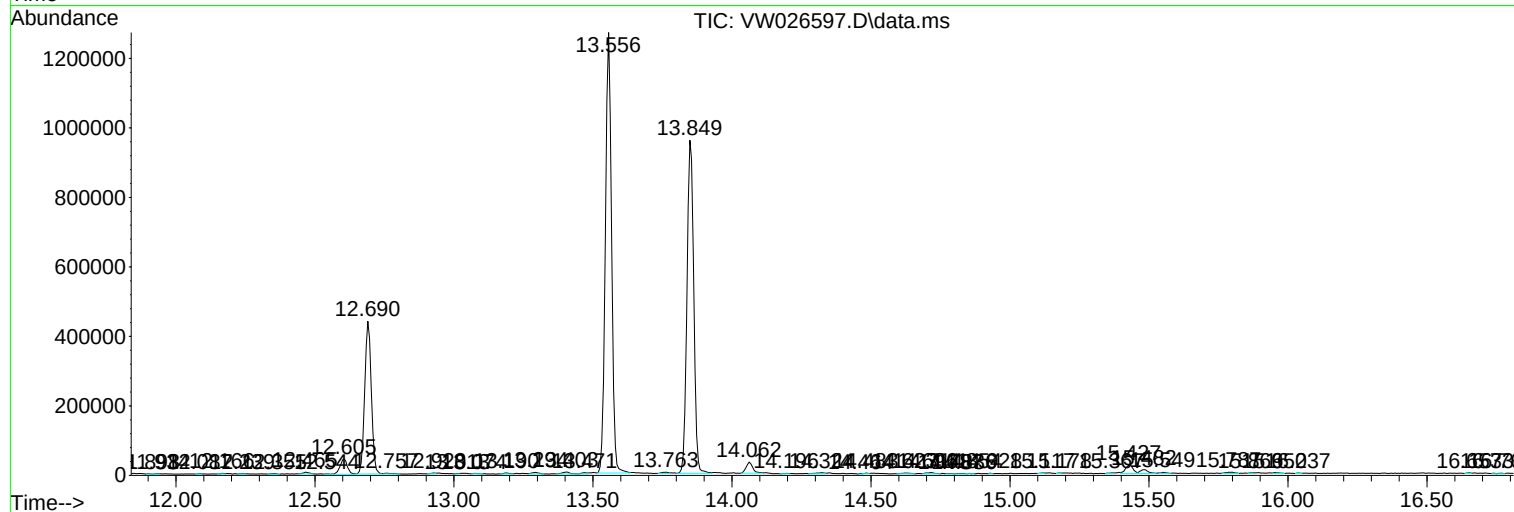
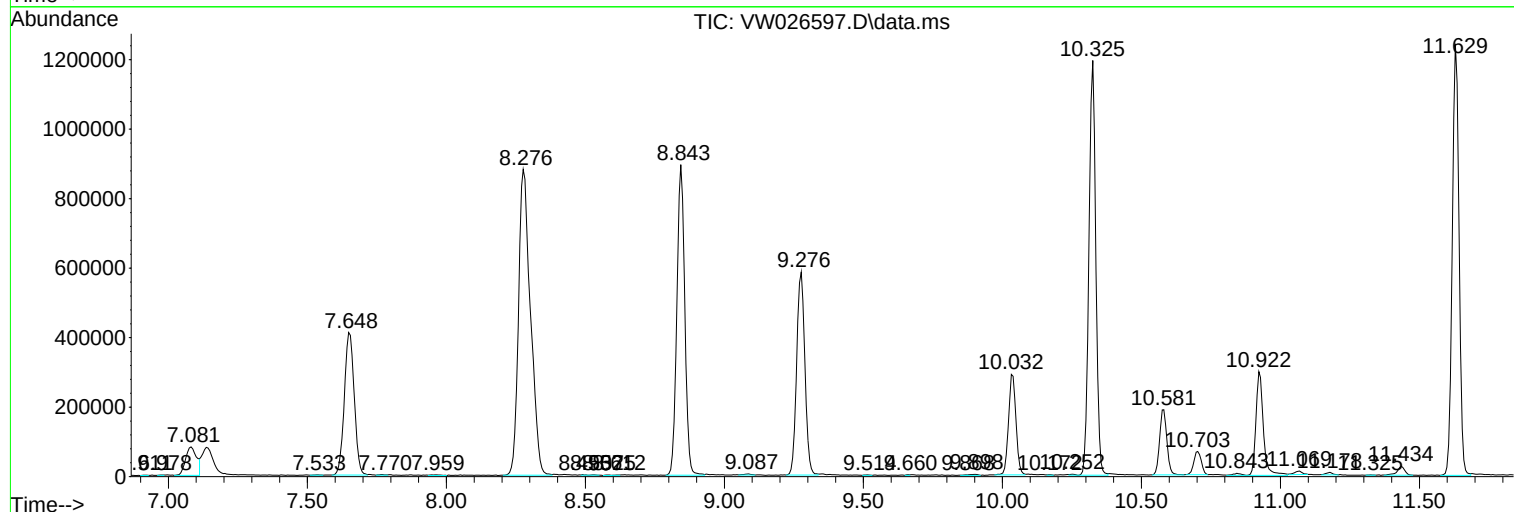
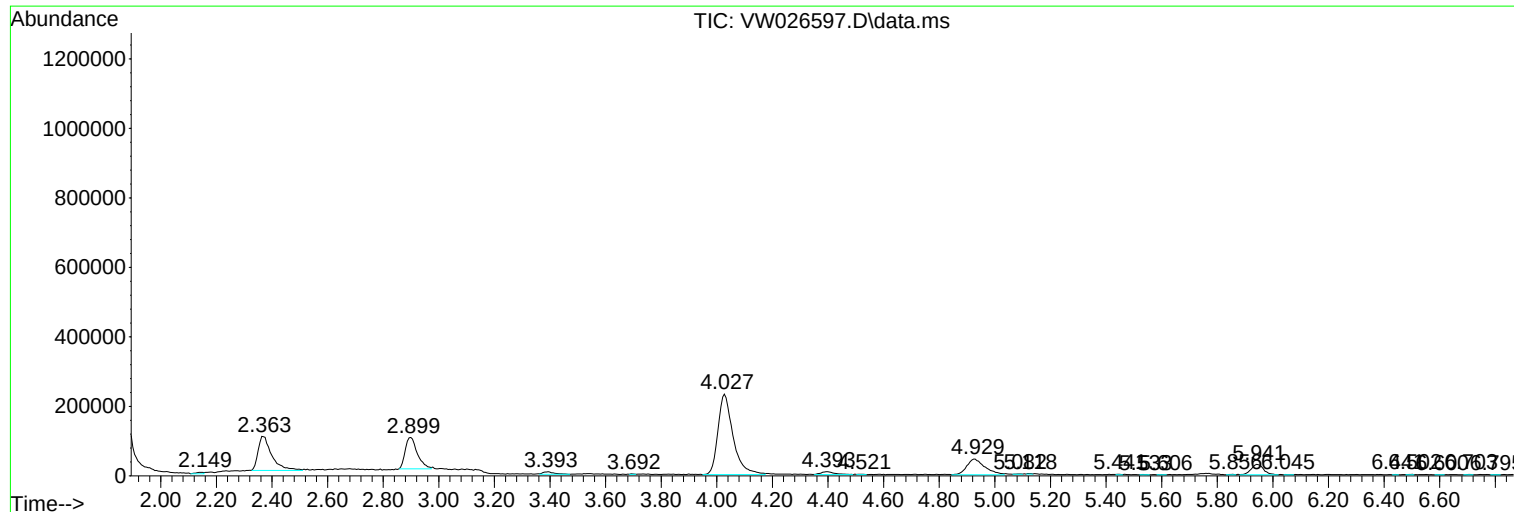
Sum of corrected areas: 19166721

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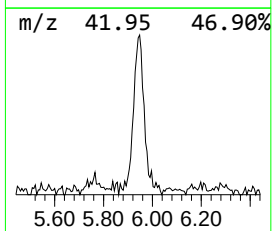
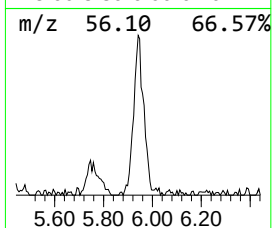
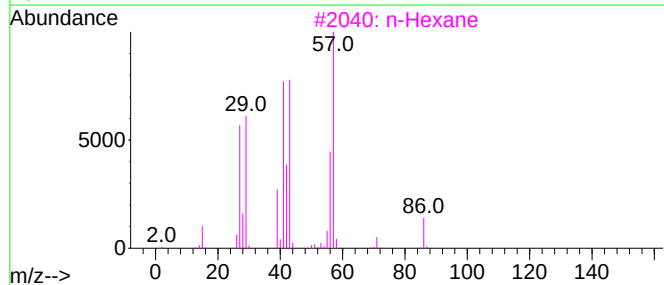
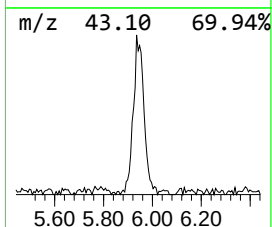
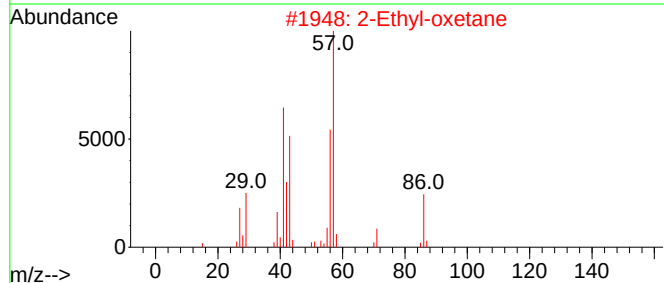
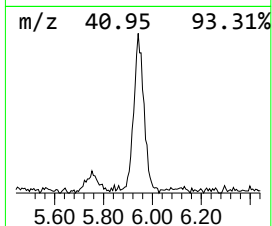
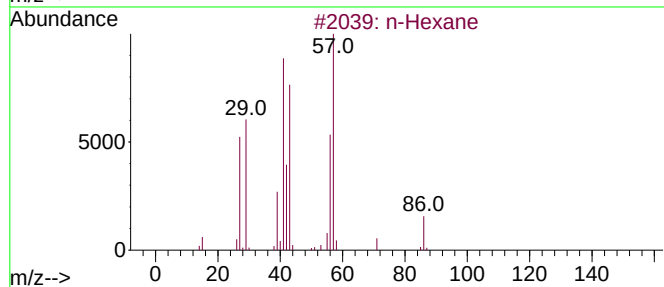
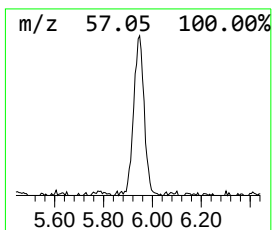
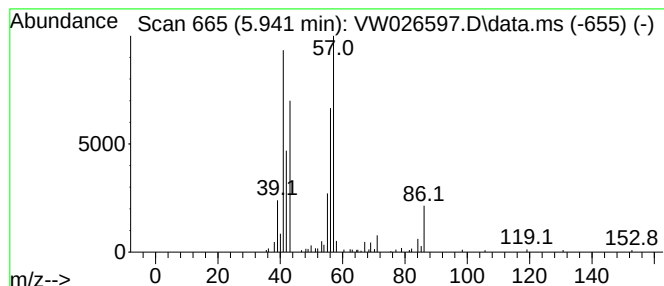
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.941 | 1.31 ug/L | 92813 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of 5 | Tentative ID         | MW | MolForm | CAS#         | Qual |
|------|------|----------------------|----|---------|--------------|------|
| 1    |      | n-Hexane             | 86 | C6H14   | 000110-54-3  | 87   |
| 2    |      | 2-Ethyl-oxetane      | 86 | C5H10O  | 1010386-40-2 | 59   |
| 3    |      | n-Hexane             | 86 | C6H14   | 000110-54-3  | 59   |
| 4    |      | 1-Pentene, 4-methyl- | 84 | C6H12   | 000691-37-2  | 53   |
| 5    |      | n-Hexane             | 86 | C6H14   | 000110-54-3  | 50   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: S... | 5.941 | 1.3     | ug/L  | 92813    | 1                     | 8.843 | 1767500 | 25.0 |