

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052418\  
 Data File : VW002848.D  
 Acq On : 24 May 2018 15:46  
 Operator : JC/SY  
 Sample : J3059-02RE  
 Misc : 5.34G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052218S.M  
 Title : VOC Analysis

Signal : TIC

| 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         | 1.746       | 18            | 26          | 27           | rBV      | 5921           | 10120         | 1.17%           | 0.137%        |
| 2         | 1.788       | 28            | 33          | 46           | rVB      | 191092         | 458133        | 52.93%          | 6.183%        |
| 3         | 1.959       | 57            | 61          | 62           | rBV3     | 3555           | 4732          | 0.55%           | 0.064%        |
| 4         | 2.160       | 89            | 94          | 98           | rBV6     | 2160           | 4957          | 0.57%           | 0.067%        |
| 5         | 2.215       | 98            | 103         | 105          | rBV5     | 3222           | 5791          | 0.67%           | 0.078%        |
| 6         | 2.343       | 118           | 124         | 137          | rVB      | 63513          | 124358        | 14.37%          | 1.678%        |
| 7         | 2.880       | 206           | 212         | 227          | rVB      | 39190          | 118389        | 13.68%          | 1.598%        |
| 8         | 4.001       | 384           | 396         | 412          | rBV      | 65676          | 249087        | 28.78%          | 3.362%        |
| 9         | 4.361       | 442           | 455         | 476          | rBV2     | 55916          | 221693        | 25.61%          | 2.992%        |
| 10        | 4.605       | 491           | 495         | 497          | rBV3     | 899            | 984           | 0.11%           | 0.013%        |
| 11        | 4.922       | 534           | 547         | 559          | rVV5     | 9418           | 41761         | 4.82%           | 0.564%        |
| 12        | 5.038       | 564           | 566         | 571          | rVB5     | 584            | 894           | 0.10%           | 0.012%        |
| 13        | 5.410       | 622           | 627         | 628          | rVV3     | 1133           | 1721          | 0.20%           | 0.023%        |
| 14        | 5.550       | 647           | 650         | 654          | rBV2     | 425            | 589           | 0.07%           | 0.008%        |
| 15        | 5.745       | 680           | 682         | 683          | rBV2     | 775            | 606           | 0.07%           | 0.008%        |
| 16        | 5.928       | 700           | 712         | 722          | rVB3     | 17199          | 53660         | 6.20%           | 0.724%        |
| 17        | 6.141       | 745           | 747         | 750          | rVB3     | 600            | 673           | 0.08%           | 0.009%        |
| 18        | 6.385       | 782           | 787         | 790          | rBV4     | 436            | 734           | 0.08%           | 0.010%        |
| 19        | 6.446       | 793           | 797         | 801          | rVB3     | 601            | 640           | 0.07%           | 0.009%        |
| 20        | 6.525       | 807           | 810         | 814          | rBV3     | 453            | 779           | 0.09%           | 0.011%        |
| 21        | 6.916       | 869           | 874         | 875          | rBV3     | 672            | 759           | 0.09%           | 0.010%        |
| 22        | 7.086       | 890           | 902         | 909          | rBV      | 56370          | 154014        | 17.79%          | 2.078%        |
| 23        | 7.165       | 911           | 915         | 926          | rVB2     | 17867          | 42959         | 4.96%           | 0.580%        |
| 24        | 7.519       | 970           | 973         | 976          | rBV3     | 1000           | 1610          | 0.19%           | 0.022%        |
| 25        | 7.647       | 985           | 994         | 1009         | rVB      | 153398         | 376647        | 43.52%          | 5.083%        |
| 26        | 7.824       | 1021          | 1023        | 1026         | rVB3     | 975            | 1025          | 0.12%           | 0.014%        |
| 27        | 7.885       | 1032          | 1033        | 1035         | rVV2     | 717            | 618           | 0.07%           | 0.008%        |
| 28        | 7.921       | 1037          | 1039        | 1040         | rVV      | 756            | 614           | 0.07%           | 0.008%        |
| 29        | 7.958       | 1043          | 1045        | 1050         | rVB2     | 970            | 1571          | 0.18%           | 0.021%        |
| 30        | 8.007       | 1050          | 1053        | 1054         | rBV3     | 858            | 873           | 0.10%           | 0.012%        |
| 31        | 8.031       | 1054          | 1057        | 1062         | rVB3     | 498            | 814           | 0.09%           | 0.011%        |
| 32        | 8.159       | 1073          | 1078        | 1085         | rVB5     | 1074           | 2182          | 0.25%           | 0.029%        |
| 33        | 8.275       | 1087          | 1097        | 1115         | rBV2     | 269508         | 865554        | 100.00%         | 11.681%       |
| 34        | 8.488       | 1130          | 1132        | 1137         | rVB2     | 784            | 1189          | 0.14%           | 0.016%        |

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|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 8.562  | 1139 | 1144 | 1146 | rBV2 | 1142   | 1905   | 0.22%  | 0.026% |
| 36 | 8.696  | 1160 | 1166 | 1172 | rBV7 | 2777   | 5869   | 0.68%  | 0.079% |
| 37 | 8.848  | 1180 | 1191 | 1202 | rBV  | 303095 | 608323 | 70.28% | 8.210% |
| 38 | 9.043  | 1218 | 1223 | 1225 | rBV4 | 1656   | 2424   | 0.28%  | 0.033% |
| 39 | 9.086  | 1228 | 1230 | 1231 | rBV2 | 1038   | 663    | 0.08%  | 0.009% |
| 40 | 9.281  | 1252 | 1262 | 1271 | rBV  | 210205 | 431021 | 49.80% | 5.817% |
| 41 | 9.488  | 1294 | 1296 | 1297 | rBV2 | 827    | 677    | 0.08%  | 0.009% |
| 42 | 9.799  | 1337 | 1347 | 1349 | rBV6 | 4646   | 12322  | 1.42%  | 0.166% |
| 43 | 9.824  | 1349 | 1351 | 1354 | rBV4 | 2135   | 3058   | 0.35%  | 0.041% |
| 44 | 10.037 | 1374 | 1386 | 1395 | rBV  | 104283 | 208864 | 24.13% | 2.819% |
| 45 | 10.330 | 1426 | 1434 | 1441 | rBV  | 359260 | 630481 | 72.84% | 8.509% |
| 46 | 10.391 | 1441 | 1444 | 1449 | rVB2 | 9418   | 15683  | 1.81%  | 0.212% |
| 47 | 10.586 | 1470 | 1476 | 1486 | rVB  | 66864  | 122720 | 14.18% | 1.656% |
| 48 | 10.714 | 1493 | 1497 | 1501 | rBV3 | 8797   | 14973  | 1.73%  | 0.202% |
| 49 | 10.817 | 1504 | 1514 | 1518 | rBV3 | 36885  | 129348 | 14.94% | 1.746% |
| 50 | 10.933 | 1528 | 1533 | 1553 | rVB  | 224416 | 478278 | 55.26% | 6.455% |
| 51 | 11.640 | 1643 | 1649 | 1658 | rVB  | 364110 | 621976 | 71.86% | 8.394% |
| 52 | 11.841 | 1678 | 1682 | 1687 | rVB2 | 8069   | 12132  | 1.40%  | 0.164% |
| 53 | 12.024 | 1710 | 1712 | 1716 | rBV4 | 1789   | 2749   | 0.32%  | 0.037% |
| 54 | 12.171 | 1732 | 1736 | 1741 | rVV4 | 5101   | 9056   | 1.05%  | 0.122% |
| 55 | 12.250 | 1745 | 1749 | 1755 | rVB7 | 2854   | 5177   | 0.60%  | 0.070% |
| 56 | 12.354 | 1762 | 1766 | 1772 | rVB7 | 2053   | 3558   | 0.41%  | 0.048% |
| 57 | 12.457 | 1778 | 1783 | 1789 | rBV3 | 7976   | 14833  | 1.71%  | 0.200% |
| 58 | 12.549 | 1796 | 1798 | 1800 | rVB3 | 936    | 680    | 0.08%  | 0.009% |
| 59 | 12.616 | 1800 | 1809 | 1816 | rBV2 | 42597  | 94852  | 10.96% | 1.280% |
| 60 | 12.701 | 1816 | 1823 | 1830 | rBV  | 219956 | 361352 | 41.75% | 4.877% |
| 61 | 12.762 | 1830 | 1833 | 1838 | rVB5 | 4146   | 6455   | 0.75%  | 0.087% |
| 62 | 12.872 | 1848 | 1851 | 1853 | rBV3 | 2309   | 2908   | 0.34%  | 0.039% |
| 63 | 12.945 | 1860 | 1863 | 1864 | rBV3 | 2283   | 2134   | 0.25%  | 0.029% |
| 64 | 13.091 | 1884 | 1887 | 1888 | rBV2 | 1231   | 1134   | 0.13%  | 0.015% |
| 65 | 13.110 | 1888 | 1890 | 1893 | rVV3 | 2158   | 2567   | 0.30%  | 0.035% |
| 66 | 13.177 | 1898 | 1901 | 1902 | rVV3 | 1557   | 1564   | 0.18%  | 0.021% |
| 67 | 13.207 | 1902 | 1906 | 1911 | rVB2 | 6721   | 10436  | 1.21%  | 0.141% |
| 68 | 13.262 | 1911 | 1915 | 1919 | rVB2 | 2604   | 3019   | 0.35%  | 0.041% |
| 69 | 13.317 | 1919 | 1924 | 1931 | rVB3 | 6690   | 12558  | 1.45%  | 0.169% |
| 70 | 13.420 | 1931 | 1941 | 1946 | rBV3 | 11778  | 26293  | 3.04%  | 0.355% |
| 71 | 13.481 | 1946 | 1951 | 1957 | rBV3 | 7656   | 13041  | 1.51%  | 0.176% |

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Method : W:\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052218S.M  
 Title : VOC Analysis

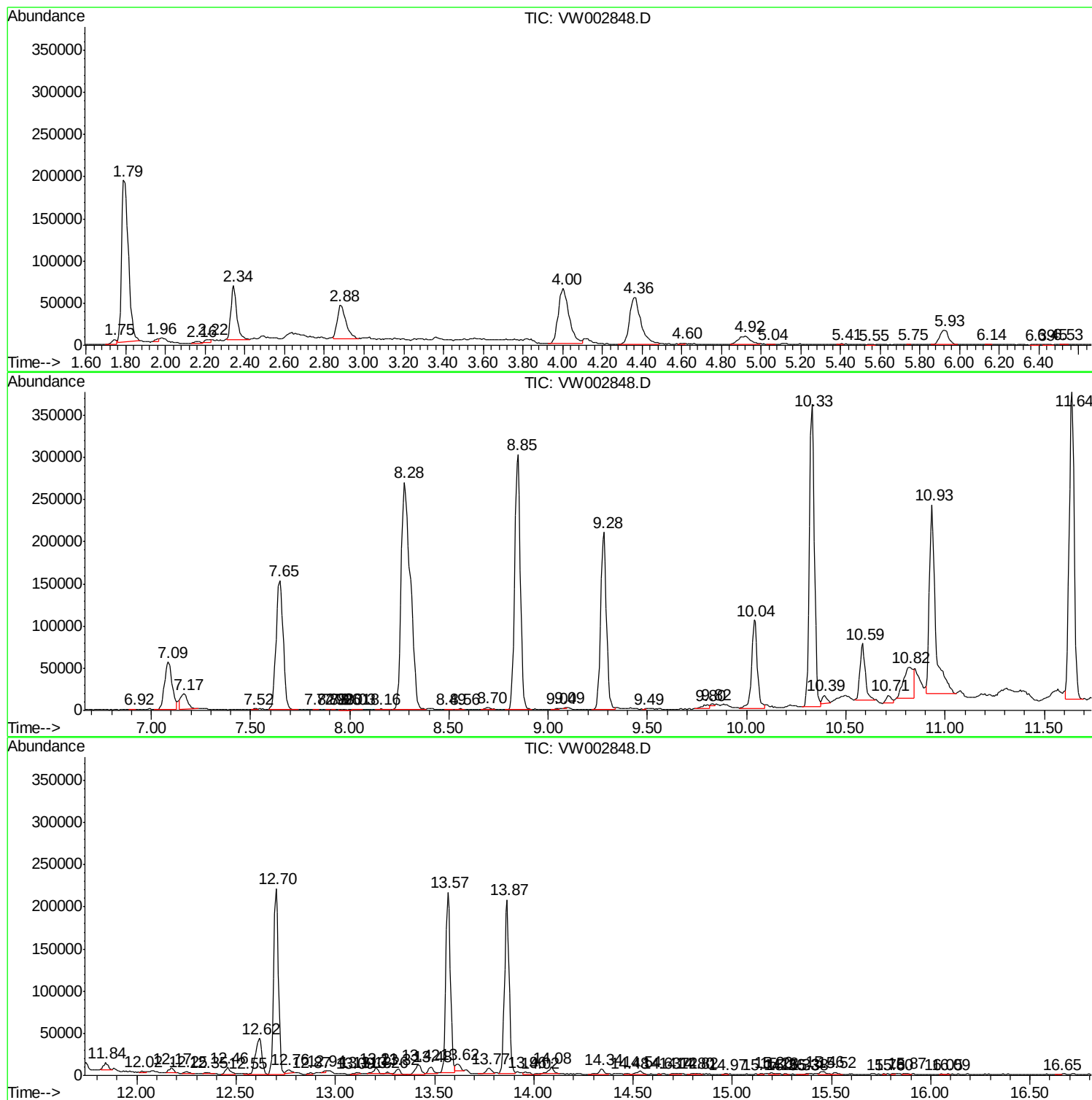
|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 13.567 | 1959 | 1965 | 1971 | rBV  | 213235 | 343708 | 39.71% | 4.639% |
| 73  | 13.616 | 1971 | 1973 | 1978 | rVB3 | 7638   | 11625  | 1.34%  | 0.157% |
| 74  | 13.774 | 1990 | 1999 | 2004 | rBV8 | 6840   | 14769  | 1.71%  | 0.199% |
| 75  | 13.866 | 2007 | 2014 | 2021 | rBV  | 205787 | 339263 | 39.20% | 4.579% |
| 76  | 13.957 | 2027 | 2029 | 2035 | rVB6 | 2685   | 4629   | 0.53%  | 0.062% |
| 77  | 14.024 | 2036 | 2040 | 2042 | rBV5 | 1092   | 1551   | 0.18%  | 0.021% |
| 78  | 14.085 | 2042 | 2050 | 2057 | rVB2 | 7536   | 14997  | 1.73%  | 0.202% |
| 79  | 14.341 | 2081 | 2092 | 2098 | rBV9 | 6425   | 12823  | 1.48%  | 0.173% |
| 80  | 14.475 | 2110 | 2114 | 2116 | rBV4 | 1001   | 1253   | 0.14%  | 0.017% |
| 81  | 14.536 | 2116 | 2124 | 2129 | rBV6 | 3897   | 8568   | 0.99%  | 0.116% |
| 82  | 14.634 | 2138 | 2140 | 2141 | rBV2 | 1170   | 789    | 0.09%  | 0.011% |
| 83  | 14.719 | 2148 | 2154 | 2158 | rBV7 | 1287   | 2561   | 0.30%  | 0.035% |
| 84  | 14.804 | 2163 | 2168 | 2170 | rBV4 | 1297   | 1697   | 0.20%  | 0.023% |
| 85  | 14.823 | 2170 | 2171 | 2175 | rVB3 | 1202   | 1325   | 0.15%  | 0.018% |
| 86  | 14.969 | 2191 | 2195 | 2197 | rBV5 | 1152   | 1797   | 0.21%  | 0.024% |
| 87  | 15.140 | 2221 | 2223 | 2226 | rVV4 | 797    | 1042   | 0.12%  | 0.014% |
| 88  | 15.201 | 2230 | 2233 | 2235 | rVV3 | 2281   | 2549   | 0.29%  | 0.034% |
| 89  | 15.225 | 2235 | 2237 | 2239 | rVV3 | 1137   | 1312   | 0.15%  | 0.018% |
| 90  | 15.262 | 2242 | 2243 | 2247 | rVB4 | 828    | 929    | 0.11%  | 0.013% |
| 91  | 15.329 | 2253 | 2254 | 2259 | rBV3 | 550    | 810    | 0.09%  | 0.011% |
| 92  | 15.377 | 2259 | 2262 | 2263 | rBV3 | 724    | 814    | 0.09%  | 0.011% |
| 93  | 15.457 | 2271 | 2275 | 2282 | rVV3 | 3280   | 5404   | 0.62%  | 0.073% |
| 94  | 15.518 | 2282 | 2285 | 2291 | rVV5 | 2358   | 3513   | 0.41%  | 0.047% |
| 95  | 15.762 | 2324 | 2325 | 2327 | rBV2 | 763    | 714    | 0.08%  | 0.010% |
| 96  | 15.804 | 2331 | 2332 | 2335 | rBV3 | 717    | 938    | 0.11%  | 0.013% |
| 97  | 15.871 | 2340 | 2343 | 2348 | rVV6 | 1150   | 2139   | 0.25%  | 0.029% |
| 98  | 16.054 | 2371 | 2373 | 2374 | rBV2 | 787    | 636    | 0.07%  | 0.009% |
| 99  | 16.091 | 2374 | 2379 | 2380 | rVV4 | 690    | 927    | 0.11%  | 0.013% |
| 100 | 16.652 | 2467 | 2471 | 2472 | rBV4 | 637    | 985    | 0.11%  | 0.013% |

Sum of corrected areas: 7409880

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Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052218S.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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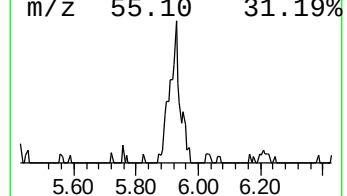
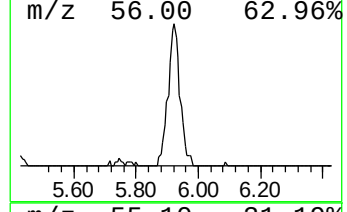
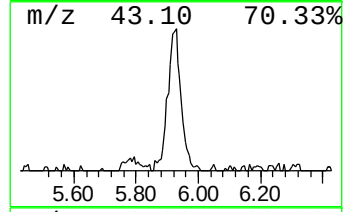
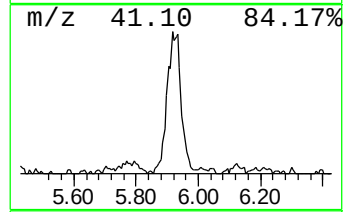
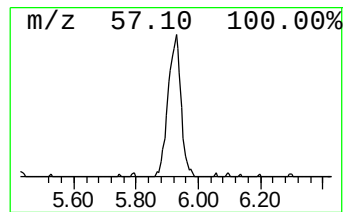
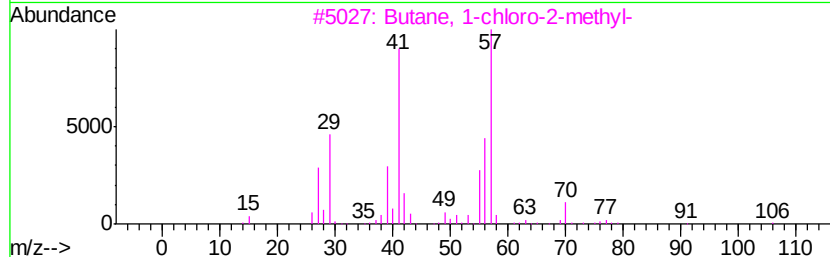
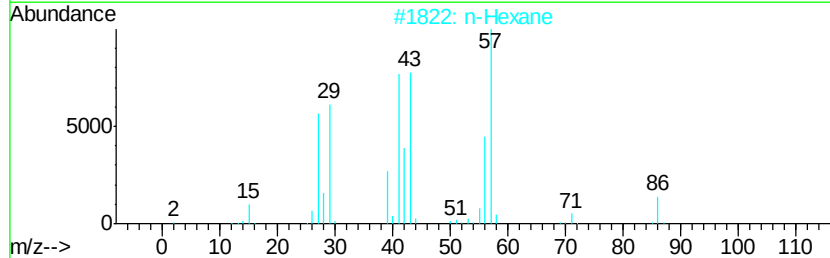
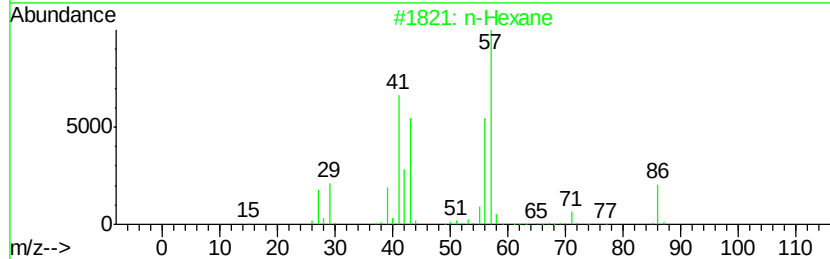
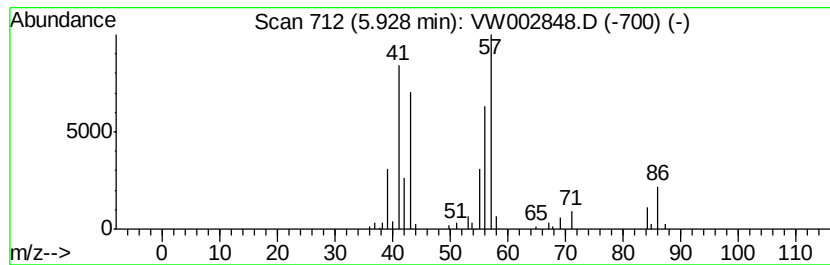
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.93 | 2.21 ug/L | 53660 | 1,4-Difluorobenzene | 8.85 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | n-Hexane                   | 86  | C6H14   | 000110-54-3 | 87   |
| 2    |    | n-Hexane                   | 86  | C6H14   | 000110-54-3 | 53   |
| 3    |    | Butane, 1-chloro-2-methyl- | 106 | C5H11Cl | 000616-13-7 | 47   |
| 4    |    | 1-Pentene, 4-methyl-       | 84  | C6H12   | 000691-37-2 | 46   |
| 5    |    | 1-Pentene, 4-methyl-       | 84  | C6H12   | 000691-37-2 | 43   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 5.93 | 2.2     | ug/L  | 53660    | 1                     | 8.85 | 608323 | 25.0 |