

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061820\  
 Data File : VW015628.D  
 Acq On : 18 Jun 2020 11:54  
 Operator : SY/VA  
 Sample : L3027-06  
 Misc : 5.92G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG2K9

## 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 : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.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         | 2.355       | 68            | 74          | 82           | rBV      | 62863          | 108077        | 14.19%          | 1.690%        |
| 2         | 2.891       | 156           | 162         | 175          | rVB      | 40371          | 99712         | 13.09%          | 1.559%        |
| 3         | 4.013       | 334           | 346         | 358          | rBV      | 102089         | 280621        | 36.84%          | 4.387%        |
| 4         | 4.385       | 398           | 407         | 412          | rBV6     | 2151           | 6695          | 0.88%           | 0.105%        |
| 5         | 4.684       | 453           | 456         | 459          | rBV      | 189            | 262           | 0.03%           | 0.004%        |
| 6         | 4.787       | 469           | 473         | 474          | rBV2     | 148            | 148           | 0.02%           | 0.002%        |
| 7         | 4.909       | 482           | 493         | 506          | rBV2     | 29503          | 94565         | 12.41%          | 1.478%        |
| 8         | 5.111       | 520           | 526         | 527          | rBV3     | 519            | 557           | 0.07%           | 0.009%        |
| 9         | 5.385       | 568           | 571         | 574          | rBV2     | 148            | 204           | 0.03%           | 0.003%        |
| 10        | 5.434       | 574           | 579         | 582          | rBV3     | 518            | 846           | 0.11%           | 0.013%        |
| 11        | 5.793       | 630           | 638         | 640          | rBV5     | 463            | 1001          | 0.13%           | 0.016%        |
| 12        | 5.940       | 651           | 662         | 674          | rVV2     | 30255          | 92035         | 12.08%          | 1.439%        |
| 13        | 6.110       | 686           | 690         | 691          | rBV2     | 299            | 357           | 0.05%           | 0.006%        |
| 14        | 6.610       | 771           | 772         | 775          | rBB2     | 263            | 155           | 0.02%           | 0.002%        |
| 15        | 6.714       | 787           | 789         | 791          | rBV2     | 194            | 176           | 0.02%           | 0.003%        |
| 16        | 6.903       | 813           | 820         | 829          | rBV4     | 1084           | 3069          | 0.40%           | 0.048%        |
| 17        | 6.994       | 829           | 835         | 839          | rVB6     | 578            | 1374          | 0.18%           | 0.021%        |
| 18        | 7.080       | 840           | 849         | 855          | rBV      | 20495          | 56779         | 7.45%           | 0.888%        |
| 19        | 7.372       | 895           | 897         | 902          | rVB      | 198            | 227           | 0.03%           | 0.004%        |
| 20        | 7.647       | 931           | 942         | 954          | rBV      | 129250         | 319482        | 41.94%          | 4.995%        |
| 21        | 7.891       | 979           | 982         | 983          | rBV2     | 183            | 189           | 0.02%           | 0.003%        |
| 22        | 7.952       | 986           | 992         | 996          | rBV4     | 787            | 1464          | 0.19%           | 0.023%        |
| 23        | 8.061       | 1007          | 1010        | 1011         | rBV      | 223            | 165           | 0.02%           | 0.003%        |
| 24        | 8.281       | 1035          | 1046        | 1060         | rBV2     | 250375         | 761802        | 100.00%         | 11.910%       |
| 25        | 8.397       | 1063          | 1065        | 1066         | rBV      | 727            | 589           | 0.08%           | 0.009%        |
| 26        | 8.512       | 1074          | 1084        | 1092         | rBV6     | 1692           | 3997          | 0.52%           | 0.062%        |
| 27        | 8.567       | 1092          | 1093        | 1096         | rVB3     | 231            | 166           | 0.02%           | 0.003%        |
| 28        | 8.701       | 1109          | 1115        | 1116         | rBV3     | 452            | 673           | 0.09%           | 0.011%        |
| 29        | 8.842       | 1130          | 1138        | 1148         | rVV      | 316195         | 629529        | 82.64%          | 9.842%        |
| 30        | 8.927       | 1151          | 1152        | 1155         | rVV2     | 296            | 260           | 0.03%           | 0.004%        |
| 31        | 9.043       | 1166          | 1171        | 1174         | rBV4     | 1099           | 2015          | 0.26%           | 0.032%        |
| 32        | 9.274       | 1200          | 1209        | 1224         | rBV      | 173837         | 355090        | 46.61%          | 5.551%        |
| 33        | 9.396       | 1227          | 1229        | 1231         | rVV2     | 147            | 177           | 0.02%           | 0.003%        |
| 34        | 9.421       | 1231          | 1233        | 1236         | rVB2     | 411            | 328           | 0.04%           | 0.005%        |

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 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 35 | 9.604  | 1260 | 1263 | 1268 | rVB2 | 111    | 177    | 0.02%  | 0.003%  |
| 36 | 9.665  | 1268 | 1273 | 1281 | rBV4 | 975    | 1576   | 0.21%  | 0.025%  |
| 37 | 9.762  | 1281 | 1289 | 1293 | rBV3 | 454    | 896    | 0.12%  | 0.014%  |
| 38 | 9.908  | 1310 | 1313 | 1316 | rVB2 | 169    | 179    | 0.02%  | 0.003%  |
| 39 | 10.036 | 1326 | 1334 | 1346 | rBV  | 92618  | 166800 | 21.90% | 2.608%  |
| 40 | 10.128 | 1346 | 1349 | 1358 | rVB4 | 1065   | 2052   | 0.27%  | 0.032%  |
| 41 | 10.219 | 1358 | 1364 | 1368 | rVB3 | 417    | 890    | 0.12%  | 0.014%  |
| 42 | 10.268 | 1368 | 1372 | 1373 | rBV  | 250    | 231    | 0.03%  | 0.004%  |
| 43 | 10.323 | 1373 | 1381 | 1389 | rBV  | 360442 | 642258 | 84.31% | 10.041% |
| 44 | 10.524 | 1408 | 1414 | 1417 | rBV5 | 1967   | 3942   | 0.52%  | 0.062%  |
| 45 | 10.579 | 1417 | 1423 | 1433 | rVB  | 58973  | 104554 | 13.72% | 1.635%  |
| 46 | 10.707 | 1438 | 1444 | 1452 | rVV  | 16479  | 29088  | 3.82%  | 0.455%  |
| 47 | 10.872 | 1469 | 1471 | 1473 | rVB2 | 421    | 306    | 0.04%  | 0.005%  |
| 48 | 10.927 | 1473 | 1480 | 1492 | rBV  | 81070  | 135784 | 17.82% | 2.123%  |
| 49 | 11.067 | 1498 | 1503 | 1510 | rVB2 | 7006   | 11245  | 1.48%  | 0.176%  |
| 50 | 11.177 | 1516 | 1521 | 1527 | rVB4 | 978    | 1554   | 0.20%  | 0.024%  |
| 51 | 11.238 | 1529 | 1531 | 1533 | rVB2 | 216    | 144    | 0.02%  | 0.002%  |
| 52 | 11.268 | 1533 | 1536 | 1537 | rBV  | 178    | 177    | 0.02%  | 0.003%  |
| 53 | 11.280 | 1537 | 1538 | 1543 | rVB2 | 233    | 292    | 0.04%  | 0.005%  |
| 54 | 11.329 | 1543 | 1546 | 1548 | rBV2 | 250    | 282    | 0.04%  | 0.004%  |
| 55 | 11.439 | 1559 | 1564 | 1570 | rVB2 | 4813   | 7590   | 1.00%  | 0.119%  |
| 56 | 11.512 | 1574 | 1576 | 1579 | rBV2 | 141    | 181    | 0.02%  | 0.003%  |
| 57 | 11.573 | 1583 | 1586 | 1587 | rBV2 | 213    | 216    | 0.03%  | 0.003%  |
| 58 | 11.634 | 1588 | 1596 | 1604 | rBV  | 447214 | 752389 | 98.76% | 11.763% |
| 59 | 11.841 | 1624 | 1630 | 1640 | rBV  | 3848   | 7555   | 0.99%  | 0.118%  |
| 60 | 11.932 | 1644 | 1645 | 1648 | rBV2 | 187    | 216    | 0.03%  | 0.003%  |
| 61 | 12.024 | 1659 | 1660 | 1662 | rBV  | 276    | 227    | 0.03%  | 0.004%  |
| 62 | 12.061 | 1664 | 1666 | 1670 | rVB2 | 242    | 338    | 0.04%  | 0.005%  |
| 63 | 12.140 | 1673 | 1679 | 1680 | rBV4 | 546    | 857    | 0.11%  | 0.013%  |
| 64 | 12.170 | 1680 | 1684 | 1689 | rVB4 | 1728   | 3138   | 0.41%  | 0.049%  |
| 65 | 12.341 | 1707 | 1712 | 1714 | rBV3 | 1662   | 2617   | 0.34%  | 0.041%  |
| 66 | 12.463 | 1728 | 1732 | 1737 | rBV  | 2054   | 3208   | 0.42%  | 0.050%  |
| 67 | 12.609 | 1750 | 1756 | 1763 | rVB  | 26492  | 42357  | 5.56%  | 0.662%  |
| 68 | 12.695 | 1763 | 1770 | 1777 | rBV  | 126952 | 205456 | 26.97% | 3.212%  |
| 69 | 12.756 | 1777 | 1780 | 1783 | rBV2 | 1042   | 1628   | 0.21%  | 0.025%  |
| 70 | 12.804 | 1784 | 1788 | 1794 | rVB  | 3559   | 5533   | 0.73%  | 0.087%  |
| 71 | 12.865 | 1794 | 1798 | 1801 | rBV  | 3181   | 4993   | 0.66%  | 0.078%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
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|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 72  | 12.938 | 1807 | 1810 | 1818 | rVB3 | 14061  | 23749  | 3.12%  | 0.371%  |
| 73  | 13.109 | 1834 | 1838 | 1842 | rVB3 | 1934   | 2936   | 0.39%  | 0.046%  |
| 74  | 13.194 | 1845 | 1852 | 1857 | rBV7 | 1339   | 3590   | 0.47%  | 0.056%  |
| 75  | 13.249 | 1857 | 1861 | 1865 | rBV2 | 4503   | 6396   | 0.84%  | 0.100%  |
| 76  | 13.298 | 1865 | 1869 | 1875 | rVB2 | 7792   | 12067  | 1.58%  | 0.189%  |
| 77  | 13.390 | 1875 | 1884 | 1889 | rBV6 | 4011   | 11682  | 1.53%  | 0.183%  |
| 78  | 13.499 | 1898 | 1902 | 1905 | rBV3 | 4743   | 5967   | 0.78%  | 0.093%  |
| 79  | 13.560 | 1905 | 1912 | 1924 | rVV  | 441898 | 708334 | 92.98% | 11.074% |
| 80  | 13.652 | 1924 | 1927 | 1931 | rVB3 | 2456   | 3128   | 0.41%  | 0.049%  |
| 81  | 13.755 | 1940 | 1944 | 1948 | rBV3 | 16512  | 28522  | 3.74%  | 0.446%  |
| 82  | 13.853 | 1954 | 1960 | 1971 | rVB  | 319633 | 526718 | 69.14% | 8.234%  |
| 83  | 13.950 | 1973 | 1976 | 1980 | rVB2 | 2148   | 2709   | 0.36%  | 0.042%  |
| 84  | 14.011 | 1981 | 1986 | 1991 | rBV3 | 4406   | 7565   | 0.99%  | 0.118%  |
| 85  | 14.072 | 1991 | 1996 | 1998 | rBV2 | 11546  | 18951  | 2.49%  | 0.296%  |
| 86  | 14.206 | 2014 | 2018 | 2023 | rVB3 | 6609   | 11200  | 1.47%  | 0.175%  |
| 87  | 14.328 | 2035 | 2038 | 2044 | rVB6 | 4892   | 7578   | 0.99%  | 0.118%  |
| 88  | 14.420 | 2049 | 2053 | 2056 | rBV3 | 4412   | 6637   | 0.87%  | 0.104%  |
| 89  | 14.505 | 2064 | 2067 | 2069 | rBV3 | 976    | 1376   | 0.18%  | 0.022%  |
| 90  | 14.597 | 2081 | 2082 | 2084 | rBV  | 425    | 315    | 0.04%  | 0.005%  |
| 91  | 14.633 | 2084 | 2088 | 2093 | rVB4 | 1899   | 3367   | 0.44%  | 0.053%  |
| 92  | 14.731 | 2094 | 2104 | 2110 | rBV9 | 2613   | 6152   | 0.81%  | 0.096%  |
| 93  | 14.798 | 2110 | 2115 | 2122 | rBV5 | 3882   | 8641   | 1.13%  | 0.135%  |
| 94  | 14.962 | 2139 | 2142 | 2146 | rVB3 | 1782   | 2305   | 0.30%  | 0.036%  |
| 95  | 15.182 | 2174 | 2178 | 2182 | rVB4 | 2005   | 2748   | 0.36%  | 0.043%  |
| 96  | 15.371 | 2204 | 2209 | 2213 | rBV  | 3280   | 4707   | 0.62%  | 0.074%  |
| 97  | 15.438 | 2216 | 2220 | 2226 | rVB3 | 9046   | 14489  | 1.90%  | 0.227%  |
| 98  | 15.670 | 2256 | 2258 | 2259 | rBV2 | 400    | 283    | 0.04%  | 0.004%  |
| 99  | 15.907 | 2295 | 2297 | 2301 | rVB3 | 505    | 450    | 0.06%  | 0.007%  |
| 100 | 16.724 | 2429 | 2431 | 2432 | rBV  | 367    | 210    | 0.03%  | 0.003%  |

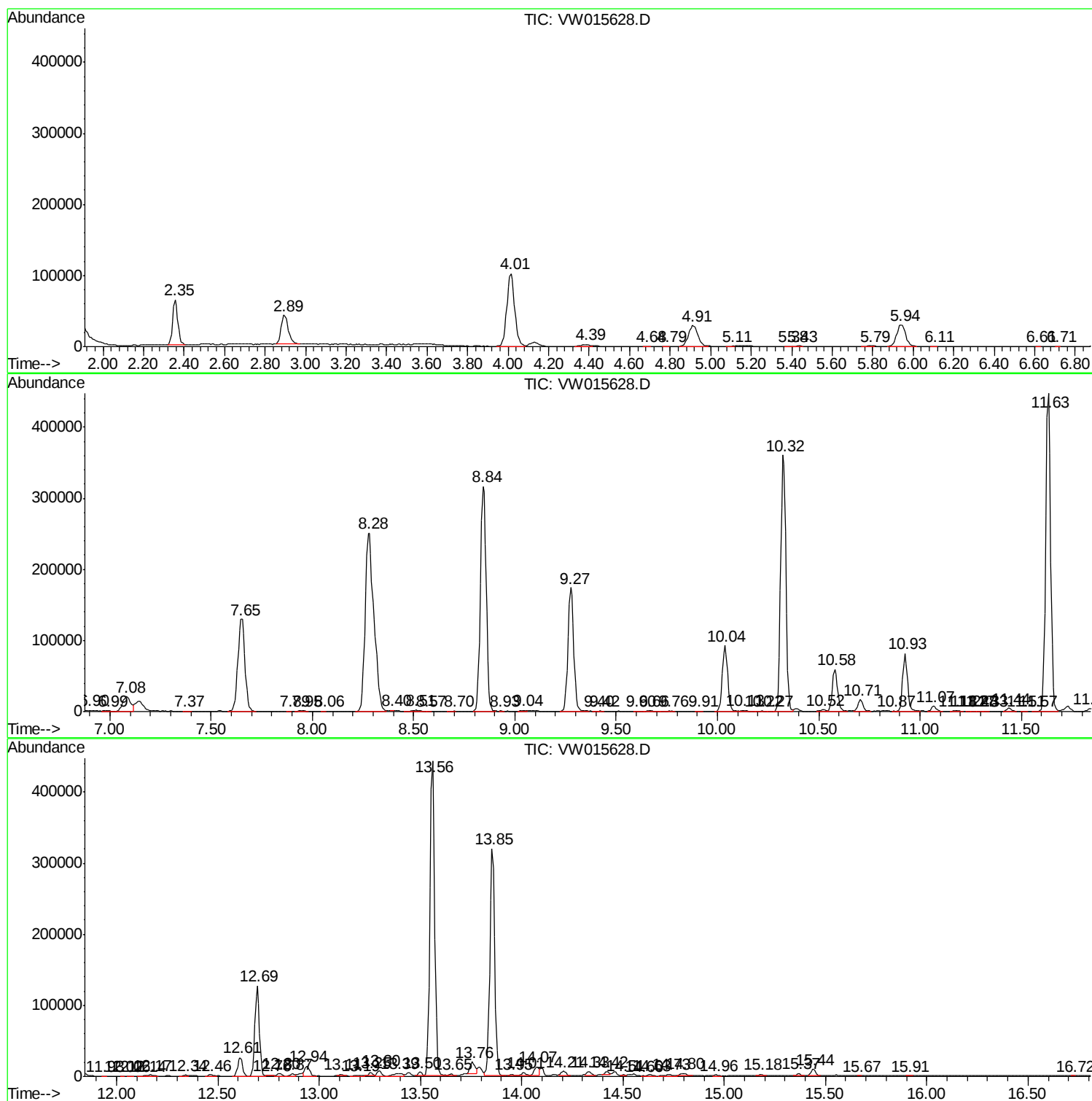
Sum of corrected areas: 6396484

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
Quant Title : VOC Analysis

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



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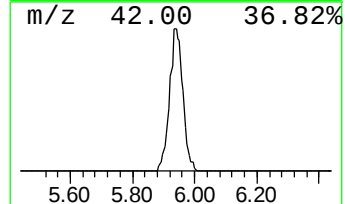
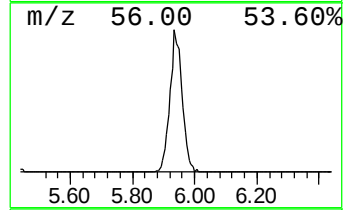
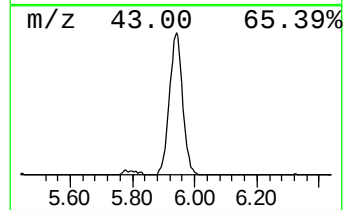
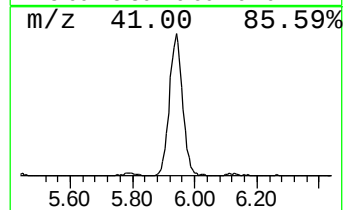
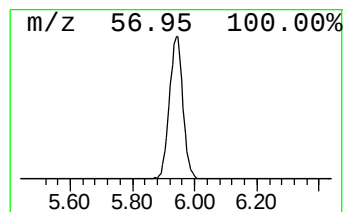
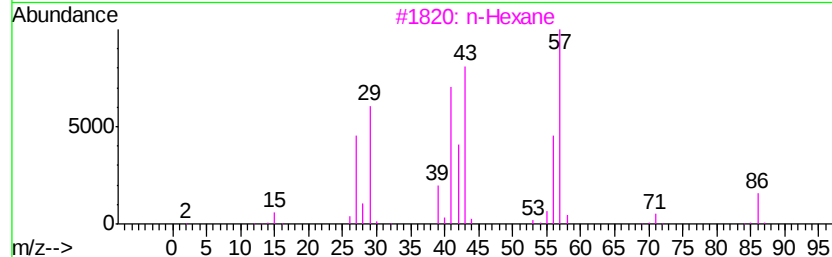
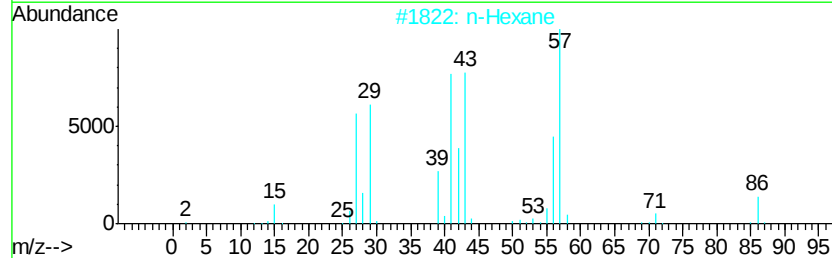
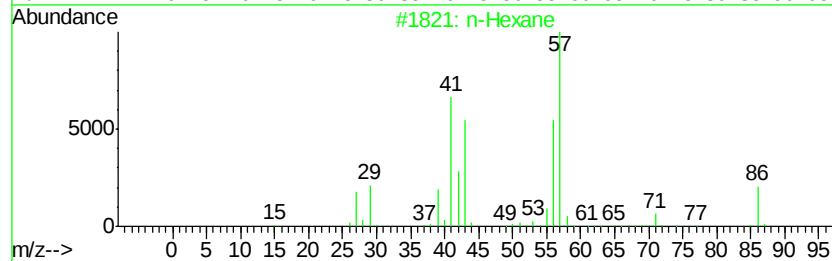
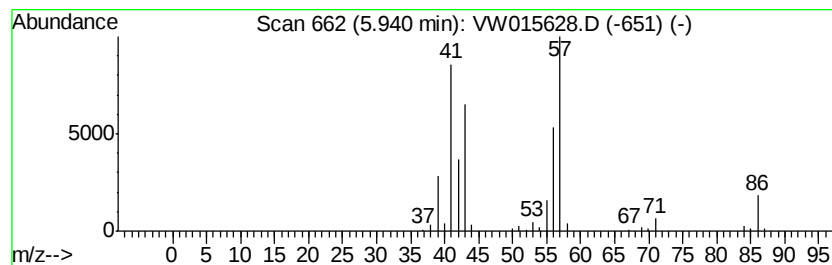
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.94 | 3.65 ug/L | 92035 | 1,4-Difluorobenzene | 8.85 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | n-Hexane                 | 86  | C6H14   | 000110-54-3 | 87   |
| 2    |    |   | n-Hexane                 | 86  | C6H14   | 000110-54-3 | 83   |
| 3    |    |   | n-Hexane                 | 86  | C6H14   | 000110-54-3 | 80   |
| 4    |    |   | Butane, 2,2,3-trimethyl- | 100 | C7H16   | 000464-06-2 | 50   |
| 5    |    |   | Pentane, 2,2-dimethyl-   | 100 | C7H16   | 000590-35-2 | 43   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 5.94 | 3.6     | ug/L  | 92035    | 1                     | 8.85 | 629529 | 25.0 |