

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
 Data File : VW009473.D  
 Acq On : 26 Mar 2019 19:32  
 Operator : SY/VA  
 Sample : VW0326SBL02  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK98

## 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\SOM2WLM031419S.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       | 69            | 74          | 85           | rVB      | 78778          | 165601        | 10.94%          | 1.427%        |
| 2         | 4.013       | 335           | 346         | 362          | rBV      | 148329         | 486911        | 32.16%          | 4.195%        |
| 3         | 4.495       | 423           | 425         | 426          | rVB      | 2239           | 1399          | 0.09%           | 0.012%        |
| 4         | 4.513       | 426           | 428         | 430          | rVV      | 1971           | 1811          | 0.12%           | 0.016%        |
| 5         | 4.531       | 430           | 431         | 434          | rVB2     | 2553           | 1271          | 0.08%           | 0.011%        |
| 6         | 4.592       | 439           | 441         | 444          | rBV      | 1591           | 2266          | 0.15%           | 0.020%        |
| 7         | 4.909       | 483           | 493         | 504          | rBV3     | 15837          | 58076         | 3.84%           | 0.500%        |
| 8         | 5.037       | 512           | 514         | 517          | rBV2     | 2033           | 2644          | 0.17%           | 0.023%        |
| 9         | 5.159       | 531           | 534         | 535          | rBV2     | 2028           | 2276          | 0.15%           | 0.020%        |
| 10        | 5.312       | 557           | 559         | 561          | rVB2     | 2334           | 1563          | 0.10%           | 0.013%        |
| 11        | 5.458       | 582           | 583         | 586          | rBV      | 2279           | 2333          | 0.15%           | 0.020%        |
| 12        | 5.622       | 609           | 610         | 612          | rVB      | 2423           | 1455          | 0.10%           | 0.013%        |
| 13        | 5.647       | 612           | 614         | 616          | rBV2     | 1262           | 1308          | 0.09%           | 0.011%        |
| 14        | 5.708       | 623           | 624         | 626          | rBV      | 1510           | 1202          | 0.08%           | 0.010%        |
| 15        | 5.793       | 636           | 638         | 640          | rBV      | 2424           | 1487          | 0.10%           | 0.013%        |
| 16        | 5.830       | 642           | 644         | 646          | rVB      | 1509           | 1301          | 0.09%           | 0.011%        |
| 17        | 5.879       | 650           | 652         | 653          | rBV      | 1980           | 1451          | 0.10%           | 0.013%        |
| 18        | 6.092       | 682           | 687         | 690          | rBV      | 2147           | 4948          | 0.33%           | 0.043%        |
| 19        | 6.238       | 708           | 711         | 714          | rBV2     | 2002           | 2784          | 0.18%           | 0.024%        |
| 20        | 6.458       | 745           | 747         | 749          | rVB      | 2215           | 1742          | 0.12%           | 0.015%        |
| 21        | 6.519       | 754           | 757         | 760          | rVB      | 2542           | 2987          | 0.20%           | 0.026%        |
| 22        | 6.634       | 774           | 776         | 778          | rVB      | 1800           | 1276          | 0.08%           | 0.011%        |
| 23        | 6.653       | 778           | 779         | 784          | rBV      | 1539           | 2132          | 0.14%           | 0.018%        |
| 24        | 6.689       | 784           | 785         | 788          | rVV      | 1887           | 1560          | 0.10%           | 0.013%        |
| 25        | 6.805       | 802           | 804         | 806          | rBV2     | 1471           | 1854          | 0.12%           | 0.016%        |
| 26        | 7.073       | 840           | 848         | 859          | rBV      | 63252          | 177595        | 11.73%          | 1.530%        |
| 27        | 7.226       | 871           | 873         | 875          | rBV3     | 1402           | 1433          | 0.09%           | 0.012%        |
| 28        | 7.451       | 907           | 910         | 912          | rBV      | 2001           | 2297          | 0.15%           | 0.020%        |
| 29        | 7.500       | 915           | 918         | 919          | rBV2     | 1702           | 2042          | 0.13%           | 0.018%        |
| 30        | 7.646       | 928           | 942         | 950          | rBV      | 284894         | 681804        | 45.03%          | 5.874%        |
| 31        | 8.024       | 1002          | 1004        | 1007         | rBV      | 1387           | 1575          | 0.10%           | 0.014%        |
| 32        | 8.152       | 1022          | 1025        | 1029         | rVB2     | 1728           | 2393          | 0.16%           | 0.021%        |
| 33        | 8.274       | 1035          | 1045        | 1060         | rVV2     | 498092         | 1514051       | 100.00%         | 13.044%       |
| 34        | 8.488       | 1078          | 1080        | 1083         | rVB      | 2612           | 2305          | 0.15%           | 0.020%        |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 8.610  | 1098 | 1100 | 1101 | rBV2 | 2141   | 2141    | 0.14%  | 0.018%  |
| 36 | 8.695  | 1112 | 1114 | 1117 | rVB2 | 2186   | 1979    | 0.13%  | 0.017%  |
| 37 | 8.841  | 1130 | 1138 | 1148 | rBV  | 522075 | 1019628 | 67.34% | 8.784%  |
| 38 | 8.969  | 1157 | 1159 | 1160 | rBV  | 2024   | 1382    | 0.09%  | 0.012%  |
| 39 | 9.158  | 1189 | 1190 | 1192 | rBV  | 2507   | 1606    | 0.11%  | 0.014%  |
| 40 | 9.274  | 1200 | 1209 | 1220 | rBV  | 358120 | 723712  | 47.80% | 6.235%  |
| 41 | 9.646  | 1267 | 1270 | 1271 | rBV  | 1984   | 2509    | 0.17%  | 0.022%  |
| 42 | 9.756  | 1283 | 1288 | 1297 | rVB3 | 9113   | 20357   | 1.34%  | 0.175%  |
| 43 | 9.890  | 1300 | 1310 | 1321 | rBV3 | 25439  | 64424   | 4.26%  | 0.555%  |
| 44 | 10.036 | 1327 | 1334 | 1342 | rBV  | 185267 | 343907  | 22.71% | 2.963%  |
| 45 | 10.250 | 1361 | 1369 | 1373 | rBV2 | 14535  | 29393   | 1.94%  | 0.253%  |
| 46 | 10.323 | 1374 | 1381 | 1388 | rVB  | 716575 | 1205266 | 79.61% | 10.384% |
| 47 | 10.481 | 1405 | 1407 | 1409 | rBV  | 1439   | 1321    | 0.09%  | 0.011%  |
| 48 | 10.500 | 1409 | 1410 | 1414 | rVV2 | 1284   | 1501    | 0.10%  | 0.013%  |
| 49 | 10.579 | 1417 | 1423 | 1429 | rBV  | 133214 | 234955  | 15.52% | 2.024%  |
| 50 | 10.664 | 1436 | 1437 | 1438 | rBV  | 1596   | 1070    | 0.07%  | 0.009%  |
| 51 | 10.926 | 1473 | 1480 | 1490 | rBV  | 256325 | 431524  | 28.50% | 3.718%  |
| 52 | 11.067 | 1501 | 1503 | 1509 | rVB7 | 3059   | 3287    | 0.22%  | 0.028%  |
| 53 | 11.207 | 1523 | 1526 | 1528 | rBV2 | 1568   | 1833    | 0.12%  | 0.016%  |
| 54 | 11.274 | 1535 | 1537 | 1539 | rBV2 | 1969   | 1762    | 0.12%  | 0.015%  |
| 55 | 11.310 | 1539 | 1543 | 1544 | rVV2 | 1210   | 1403    | 0.09%  | 0.012%  |
| 56 | 11.341 | 1544 | 1548 | 1549 | rBV2 | 2643   | 1955    | 0.13%  | 0.017%  |
| 57 | 11.548 | 1578 | 1582 | 1585 | rBV  | 2254   | 3224    | 0.21%  | 0.028%  |
| 58 | 11.634 | 1587 | 1596 | 1604 | rBV  | 752456 | 1297141 | 85.67% | 11.175% |
| 59 | 11.969 | 1650 | 1651 | 1653 | rVB  | 2884   | 1510    | 0.10%  | 0.013%  |
| 60 | 12.048 | 1662 | 1664 | 1666 | rBV  | 1906   | 1176    | 0.08%  | 0.010%  |
| 61 | 12.109 | 1669 | 1674 | 1675 | rBV2 | 1573   | 2194    | 0.14%  | 0.019%  |
| 62 | 12.231 | 1693 | 1694 | 1695 | rBV  | 2296   | 1095    | 0.07%  | 0.009%  |
| 63 | 12.249 | 1695 | 1697 | 1698 | rVV  | 1219   | 1136    | 0.08%  | 0.010%  |
| 64 | 12.353 | 1710 | 1714 | 1717 | rBV2 | 2354   | 2922    | 0.19%  | 0.025%  |
| 65 | 12.463 | 1730 | 1732 | 1733 | rBV  | 2610   | 2136    | 0.14%  | 0.018%  |
| 66 | 12.511 | 1739 | 1740 | 1743 | rVB  | 2090   | 1323    | 0.09%  | 0.011%  |
| 67 | 12.609 | 1749 | 1756 | 1762 | rBV3 | 35984  | 63759   | 4.21%  | 0.549%  |
| 68 | 12.694 | 1763 | 1770 | 1780 | rVB  | 342896 | 552936  | 36.52% | 4.764%  |
| 69 | 12.828 | 1789 | 1792 | 1793 | rBV  | 2199   | 1967    | 0.13%  | 0.017%  |
| 70 | 12.847 | 1793 | 1795 | 1800 | rVV2 | 1483   | 2544    | 0.17%  | 0.022%  |
| 71 | 12.889 | 1800 | 1802 | 1806 | rVB2 | 1262   | 1326    | 0.09%  | 0.011%  |

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 VBLK98

## Integration Parameters: LSCINT.P

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 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
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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\SOM2WLM031419S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 72  | 12.926 | 1806 | 1808 | 1809 | rBV  | 1536   | 1086    | 0.07%  | 0.009%  |
| 73  | 12.987 | 1816 | 1818 | 1821 | rVB2 | 2278   | 2096    | 0.14%  | 0.018%  |
| 74  | 13.017 | 1821 | 1823 | 1826 | rBV2 | 2790   | 3421    | 0.23%  | 0.029%  |
| 75  | 13.194 | 1848 | 1852 | 1856 | rBV4 | 3305   | 5846    | 0.39%  | 0.050%  |
| 76  | 13.408 | 1884 | 1887 | 1890 | rVB4 | 4284   | 5197    | 0.34%  | 0.045%  |
| 77  | 13.505 | 1898 | 1903 | 1904 | rBV2 | 6912   | 8114    | 0.54%  | 0.070%  |
| 78  | 13.560 | 1906 | 1912 | 1920 | rVV  | 775441 | 1206954 | 79.72% | 10.398% |
| 79  | 13.767 | 1942 | 1946 | 1950 | rBV4 | 2747   | 5471    | 0.36%  | 0.047%  |
| 80  | 13.859 | 1953 | 1961 | 1968 | rBV  | 665043 | 1110296 | 73.33% | 9.565%  |
| 81  | 13.987 | 1980 | 1982 | 1985 | rVB2 | 2101   | 2042    | 0.13%  | 0.018%  |
| 82  | 14.023 | 1985 | 1988 | 1991 | rVV3 | 3509   | 4451    | 0.29%  | 0.038%  |
| 83  | 14.078 | 1991 | 1997 | 2006 | rVV2 | 22208  | 39460   | 2.61%  | 0.340%  |
| 84  | 14.139 | 2006 | 2007 | 2012 | rVB  | 1702   | 2201    | 0.15%  | 0.019%  |
| 85  | 14.279 | 2028 | 2030 | 2032 | rVB  | 2293   | 1614    | 0.11%  | 0.014%  |
| 86  | 14.316 | 2034 | 2036 | 2037 | rBV  | 2054   | 1652    | 0.11%  | 0.014%  |
| 87  | 14.395 | 2048 | 2049 | 2051 | rVB  | 1840   | 1089    | 0.07%  | 0.009%  |
| 88  | 14.420 | 2051 | 2053 | 2056 | rBV2 | 1585   | 1849    | 0.12%  | 0.016%  |
| 89  | 14.487 | 2062 | 2064 | 2066 | rBV2 | 1797   | 1367    | 0.09%  | 0.012%  |
| 90  | 14.560 | 2074 | 2076 | 2077 | rBV  | 1927   | 1170    | 0.08%  | 0.010%  |
| 91  | 14.639 | 2083 | 2089 | 2092 | rBV5 | 5094   | 9432    | 0.62%  | 0.081%  |
| 92  | 14.889 | 2128 | 2130 | 2132 | rBV  | 1717   | 1094    | 0.07%  | 0.009%  |
| 93  | 14.944 | 2136 | 2139 | 2141 | rBV3 | 1539   | 1739    | 0.11%  | 0.015%  |
| 94  | 15.060 | 2157 | 2158 | 2161 | rBV  | 1586   | 1437    | 0.09%  | 0.012%  |
| 95  | 15.810 | 2277 | 2281 | 2282 | rBV2 | 4996   | 5932    | 0.39%  | 0.051%  |
| 96  | 16.029 | 2315 | 2317 | 2318 | rBV2 | 2088   | 1374    | 0.09%  | 0.012%  |
| 97  | 16.352 | 2369 | 2370 | 2372 | rBV2 | 2267   | 1317    | 0.09%  | 0.011%  |
| 98  | 16.633 | 2414 | 2416 | 2420 | rBV  | 2058   | 2573    | 0.17%  | 0.022%  |
| 99  | 16.724 | 2429 | 2431 | 2434 | rBV  | 2397   | 2791    | 0.18%  | 0.024%  |
| 100 | 16.755 | 2434 | 2436 | 2439 | rBV  | 1591   | 1994    | 0.13%  | 0.017%  |

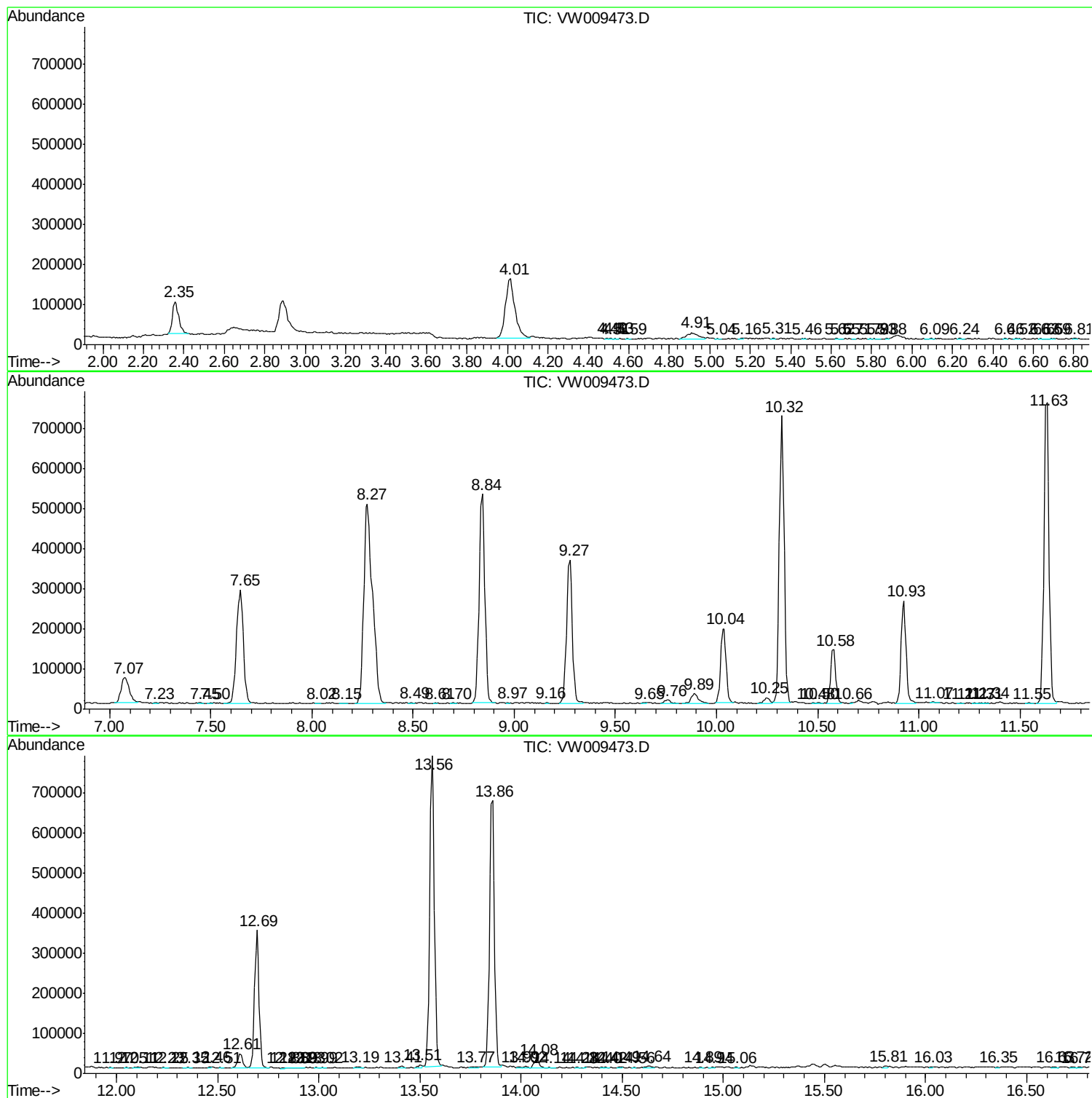
Sum of corrected areas: 11607496

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
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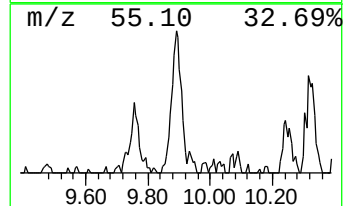
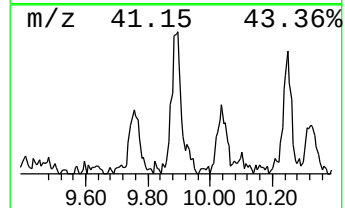
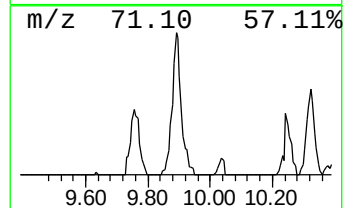
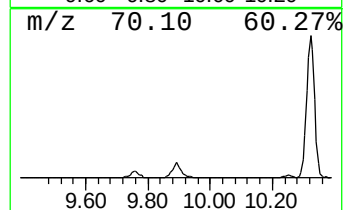
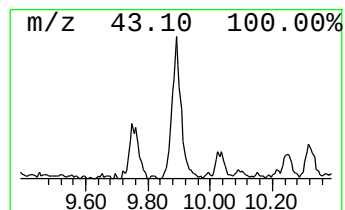
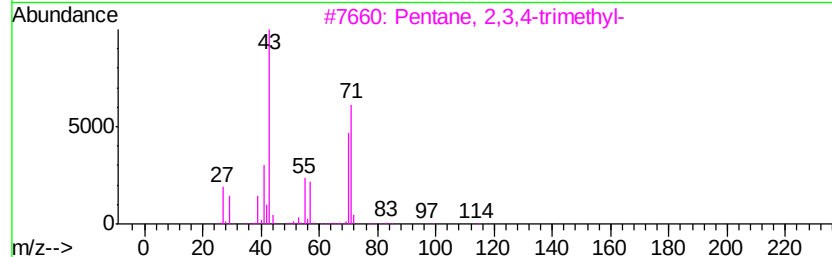
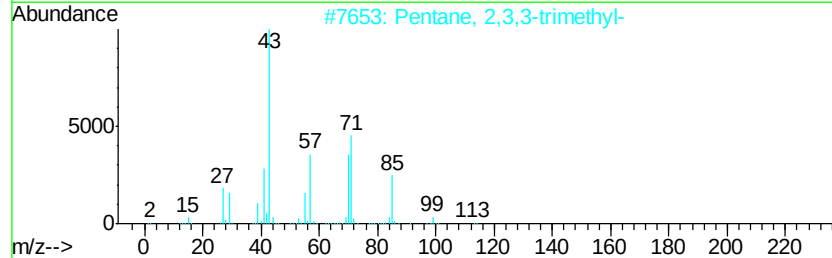
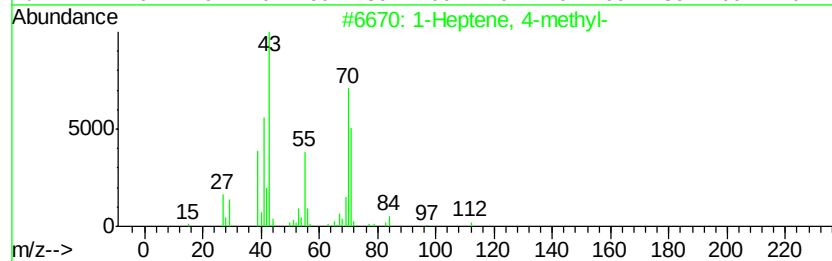
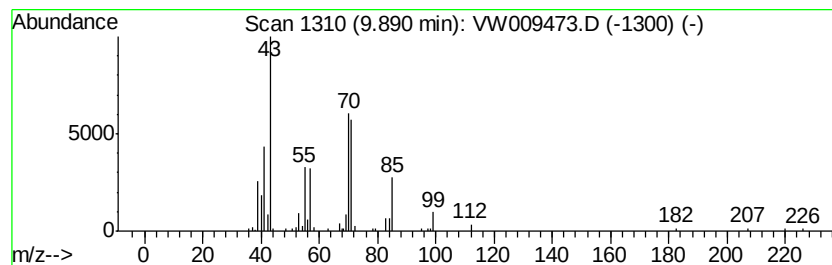
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Cyclic9.89 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 9.89 | 1.58 ug/L | 64424 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Heptene, 4-methyl-      | 112 | C8H16   | 013151-05-8 | 53   |
| 2    |    | Pentane, 2,3,3-trimethyl- | 114 | C8H18   | 000560-21-4 | 53   |
| 3    |    | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 50   |
| 4    |    | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 50   |
| 5    |    | 3,3-Dimethyl-2-pentanol   | 116 | C7H16O  | 019781-24-9 | 43   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | ---Internal Standard--- |      |         |      |
|----------------------|------|---------|-------|----------|-------------------------|------|---------|------|
|                      |      |         |       |          | #                       | RT   | Resp    | Conc |
| (DEL) Alkane: Cyc... | 9.89 | 1.6     | ug/L  | 64424    | 1                       | 8.84 | 1019630 | 25.0 |