

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\  
 Data File : VW004378.D  
 Acq On : 01 Aug 2018 15:46  
 Operator : SY/AP  
 Sample : J4205-03  
 Misc : 4.35G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JJ1L0

## 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\SOM2WLM073118S.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.746    | 18         | 26       | 28        | rBV   | 8643        | 15680      | 0.90%        | 0.147%     |
| 2      | 1.813    | 28         | 37       | 60        | rVV   | 716747      | 1734969    | 100.00%      | 16.277%    |
| 3      | 2.361    | 121        | 127      | 143       | rBV2  | 45384       | 127232     | 7.33%        | 1.194%     |
| 4      | 2.892    | 207        | 214      | 233       | rVB   | 46655       | 131044     | 7.55%        | 1.229%     |
| 5      | 3.770    | 356        | 358      | 360       | rBV2  | 431         | 353        | 0.02%        | 0.003%     |
| 6      | 4.014    | 387        | 398      | 414       | rBV   | 127377      | 431480     | 24.87%       | 4.048%     |
| 7      | 4.550    | 485        | 486      | 489       | rBV2  | 279         | 281        | 0.02%        | 0.003%     |
| 8      | 4.818    | 528        | 530      | 531       | rVB2  | 252         | 139        | 0.01%        | 0.001%     |
| 9      | 4.837    | 531        | 533      | 536       | rBV2  | 314         | 214        | 0.01%        | 0.002%     |
| 10     | 4.916    | 536        | 546      | 547       | rBV2  | 4239        | 9454       | 0.54%        | 0.089%     |
| 11     | 5.099    | 574        | 576      | 579       | rVB2  | 381         | 310        | 0.02%        | 0.003%     |
| 12     | 5.129    | 579        | 581      | 583       | rBV2  | 270         | 317        | 0.02%        | 0.003%     |
| 13     | 5.160    | 585        | 586      | 587       | rBV   | 292         | 164        | 0.01%        | 0.002%     |
| 14     | 5.202    | 589        | 593      | 594       | rBV2  | 385         | 530        | 0.03%        | 0.005%     |
| 15     | 5.343    | 614        | 616      | 618       | rBV   | 258         | 237        | 0.01%        | 0.002%     |
| 16     | 5.617    | 657        | 661      | 662       | rBV   | 402         | 380        | 0.02%        | 0.004%     |
| 17     | 5.696    | 673        | 674      | 679       | rVV3  | 252         | 326        | 0.02%        | 0.003%     |
| 18     | 5.745    | 679        | 682      | 685       | rBV2  | 245         | 284        | 0.02%        | 0.003%     |
| 19     | 5.812    | 692        | 693      | 696       | rBV2  | 161         | 179        | 0.01%        | 0.002%     |
| 20     | 5.873    | 701        | 703      | 704       | rBV   | 215         | 219        | 0.01%        | 0.002%     |
| 21     | 5.928    | 707        | 712      | 720       | rVV5  | 1359        | 3698       | 0.21%        | 0.035%     |
| 22     | 6.111    | 738        | 742      | 745       | rBV3  | 319         | 608        | 0.04%        | 0.006%     |
| 23     | 6.178    | 749        | 753      | 754       | rBV2  | 284         | 273        | 0.02%        | 0.003%     |
| 24     | 6.275    | 767        | 769      | 771       | rBV2  | 217         | 205        | 0.01%        | 0.002%     |
| 25     | 6.330    | 776        | 778      | 781       | rVB2  | 274         | 288        | 0.02%        | 0.003%     |
| 26     | 6.409    | 789        | 791      | 793       | rBV2  | 293         | 220        | 0.01%        | 0.002%     |
| 27     | 6.452    | 797        | 798      | 802       | rBV2  | 292         | 245        | 0.01%        | 0.002%     |
| 28     | 6.641    | 828        | 829      | 832       | rVV   | 202         | 160        | 0.01%        | 0.002%     |
| 29     | 6.672    | 832        | 834      | 837       | rVB2  | 344         | 219        | 0.01%        | 0.002%     |
| 30     | 6.751    | 846        | 847      | 851       | rBV2  | 257         | 248        | 0.01%        | 0.002%     |
| 31     | 6.970    | 881        | 883      | 884       | rBV2  | 220         | 140        | 0.01%        | 0.001%     |
| 32     | 7.001    | 886        | 888      | 890       | rBV2  | 346         | 251        | 0.01%        | 0.002%     |
| 33     | 7.086    | 893        | 902      | 909       | rBV   | 44251       | 124483     | 7.17%        | 1.168%     |
| 34     | 7.409    | 953        | 955      | 957       | rVB2  | 230         | 192        | 0.01%        | 0.002%     |

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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\SOM2WLM073118S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 7.464  | 962  | 964  | 966  | rBV  | 233    | 170     | 0.01%  | 0.002%  |
| 36 | 7.531  | 970  | 975  | 977  | rBV2 | 502    | 727     | 0.04%  | 0.007%  |
| 37 | 7.647  | 984  | 994  | 1011 | rVB  | 214061 | 519598  | 29.95% | 4.875%  |
| 38 | 7.860  | 1023 | 1029 | 1030 | rBV2 | 231    | 324     | 0.02%  | 0.003%  |
| 39 | 7.903  | 1034 | 1036 | 1038 | rBV2 | 219    | 225     | 0.01%  | 0.002%  |
| 40 | 8.159  | 1074 | 1078 | 1081 | rBV3 | 280    | 393     | 0.02%  | 0.004%  |
| 41 | 8.275  | 1087 | 1097 | 1114 | rBV2 | 411688 | 1264746 | 72.90% | 11.865% |
| 42 | 8.525  | 1135 | 1138 | 1142 | rBV2 | 261    | 413     | 0.02%  | 0.004%  |
| 43 | 8.586  | 1146 | 1148 | 1149 | rBV2 | 232    | 198     | 0.01%  | 0.002%  |
| 44 | 8.629  | 1152 | 1155 | 1156 | rBV2 | 416    | 341     | 0.02%  | 0.003%  |
| 45 | 8.690  | 1163 | 1165 | 1170 | rBV3 | 259    | 404     | 0.02%  | 0.004%  |
| 46 | 8.763  | 1173 | 1177 | 1179 | rVB2 | 200    | 292     | 0.02%  | 0.003%  |
| 47 | 8.848  | 1182 | 1191 | 1201 | rBV  | 365660 | 713449  | 41.12% | 6.693%  |
| 48 | 9.007  | 1215 | 1217 | 1220 | rBV2 | 207    | 174     | 0.01%  | 0.002%  |
| 49 | 9.061  | 1220 | 1226 | 1227 | rBV4 | 1596   | 2516    | 0.15%  | 0.024%  |
| 50 | 9.135  | 1235 | 1238 | 1241 | rBV2 | 298    | 370     | 0.02%  | 0.003%  |
| 51 | 9.281  | 1253 | 1262 | 1271 | rBV  | 292572 | 584431  | 33.69% | 5.483%  |
| 52 | 9.543  | 1301 | 1305 | 1306 | rBV2 | 185    | 202     | 0.01%  | 0.002%  |
| 53 | 9.598  | 1312 | 1314 | 1316 | rBV2 | 247    | 209     | 0.01%  | 0.002%  |
| 54 | 9.659  | 1319 | 1324 | 1328 | rBV3 | 992    | 1670    | 0.10%  | 0.016%  |
| 55 | 9.720  | 1333 | 1334 | 1338 | rVB2 | 194    | 144     | 0.01%  | 0.001%  |
| 56 | 9.756  | 1338 | 1340 | 1342 | rBV2 | 222    | 224     | 0.01%  | 0.002%  |
| 57 | 9.909  | 1361 | 1365 | 1371 | rVB4 | 474    | 774     | 0.04%  | 0.007%  |
| 58 | 10.037 | 1378 | 1386 | 1396 | rVV  | 138934 | 247646  | 14.27% | 2.323%  |
| 59 | 10.330 | 1426 | 1434 | 1442 | rBV  | 586990 | 1023232 | 58.98% | 9.600%  |
| 60 | 10.531 | 1465 | 1467 | 1469 | rBV  | 956    | 759     | 0.04%  | 0.007%  |
| 61 | 10.579 | 1469 | 1475 | 1487 | rVB  | 103974 | 177952  | 10.26% | 1.669%  |
| 62 | 10.714 | 1490 | 1497 | 1503 | rBV  | 9677   | 18527   | 1.07%  | 0.174%  |
| 63 | 10.933 | 1526 | 1533 | 1543 | rBV  | 182787 | 314219  | 18.11% | 2.948%  |
| 64 | 11.018 | 1543 | 1547 | 1551 | rVV  | 5824   | 10425   | 0.60%  | 0.098%  |
| 65 | 11.073 | 1551 | 1556 | 1565 | rVV  | 15759  | 26119   | 1.51%  | 0.245%  |
| 66 | 11.201 | 1569 | 1577 | 1583 | rVB6 | 2234   | 4959    | 0.29%  | 0.047%  |
| 67 | 11.262 | 1583 | 1587 | 1589 | rBV2 | 230    | 276     | 0.02%  | 0.003%  |
| 68 | 11.305 | 1592 | 1594 | 1596 | rVV3 | 190    | 157     | 0.01%  | 0.001%  |
| 69 | 11.329 | 1596 | 1598 | 1601 | rVB2 | 259    | 234     | 0.01%  | 0.002%  |
| 70 | 11.409 | 1608 | 1611 | 1613 | rBV3 | 450    | 432     | 0.02%  | 0.004%  |
| 71 | 11.445 | 1614 | 1617 | 1623 | rVB2 | 1624   | 2367    | 0.14%  | 0.022%  |

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## Integration Parameters: LSCINT.P

Integrator: RTE  
 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\SOM2WLM073118S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 11.549 | 1632 | 1634 | 1637 | rVB  | 230    | 203    | 0.01%  | 0.002% |
| 73  | 11.634 | 1640 | 1648 | 1658 | rBV  | 545352 | 910288 | 52.47% | 8.540% |
| 74  | 11.707 | 1658 | 1660 | 1661 | rBV2 | 341    | 289    | 0.02%  | 0.003% |
| 75  | 11.732 | 1661 | 1664 | 1669 | rVB2 | 646    | 998    | 0.06%  | 0.009% |
| 76  | 11.793 | 1673 | 1674 | 1677 | rVB  | 173    | 143    | 0.01%  | 0.001% |
| 77  | 11.848 | 1677 | 1683 | 1686 | rBV4 | 1989   | 2954   | 0.17%  | 0.028% |
| 78  | 11.939 | 1695 | 1698 | 1700 | rBV2 | 174    | 198    | 0.01%  | 0.002% |
| 79  | 12.030 | 1710 | 1713 | 1715 | rBV2 | 300    | 367    | 0.02%  | 0.003% |
| 80  | 12.122 | 1726 | 1728 | 1733 | rVV3 | 272    | 265    | 0.02%  | 0.002% |
| 81  | 12.177 | 1733 | 1737 | 1742 | rVB6 | 972    | 1531   | 0.09%  | 0.014% |
| 82  | 12.323 | 1759 | 1761 | 1762 | rBV2 | 175    | 141    | 0.01%  | 0.001% |
| 83  | 12.475 | 1782 | 1786 | 1789 | rVB  | 532    | 700    | 0.04%  | 0.007% |
| 84  | 12.506 | 1789 | 1791 | 1792 | rVB  | 256    | 176    | 0.01%  | 0.002% |
| 85  | 12.524 | 1792 | 1794 | 1796 | rBV2 | 200    | 204    | 0.01%  | 0.002% |
| 86  | 12.543 | 1796 | 1797 | 1800 | rBV  | 175    | 204    | 0.01%  | 0.002% |
| 87  | 12.616 | 1803 | 1809 | 1816 | rBV2 | 12494  | 21449  | 1.24%  | 0.201% |
| 88  | 12.701 | 1816 | 1823 | 1830 | rVV  | 285937 | 479887 | 27.66% | 4.502% |
| 89  | 12.841 | 1844 | 1846 | 1847 | rBV  | 287    | 165    | 0.01%  | 0.002% |
| 90  | 12.945 | 1859 | 1863 | 1868 | rVB3 | 2839   | 4252   | 0.25%  | 0.040% |
| 91  | 13.049 | 1878 | 1880 | 1881 | rBV2 | 367    | 199    | 0.01%  | 0.002% |
| 92  | 13.067 | 1881 | 1883 | 1884 | rVB  | 325    | 172    | 0.01%  | 0.002% |
| 93  | 13.085 | 1884 | 1886 | 1887 | rBV  | 366    | 205    | 0.01%  | 0.002% |
| 94  | 13.231 | 1908 | 1910 | 1911 | rBV  | 741    | 594    | 0.03%  | 0.006% |
| 95  | 13.250 | 1911 | 1913 | 1914 | rVV2 | 837    | 505    | 0.03%  | 0.005% |
| 96  | 13.567 | 1958 | 1965 | 1972 | rBV  | 481634 | 767443 | 44.23% | 7.200% |
| 97  | 13.658 | 1975 | 1980 | 1987 | rVB  | 29484  | 45806  | 2.64%  | 0.430% |
| 98  | 13.859 | 2006 | 2013 | 2021 | rBV  | 553624 | 897054 | 51.70% | 8.416% |
| 99  | 15.512 | 2279 | 2284 | 2291 | rVB  | 10077  | 17961  | 1.04%  | 0.169% |
| 100 | 16.060 | 2372 | 2374 | 2375 | rBV2 | 652    | 458    | 0.03%  | 0.004% |

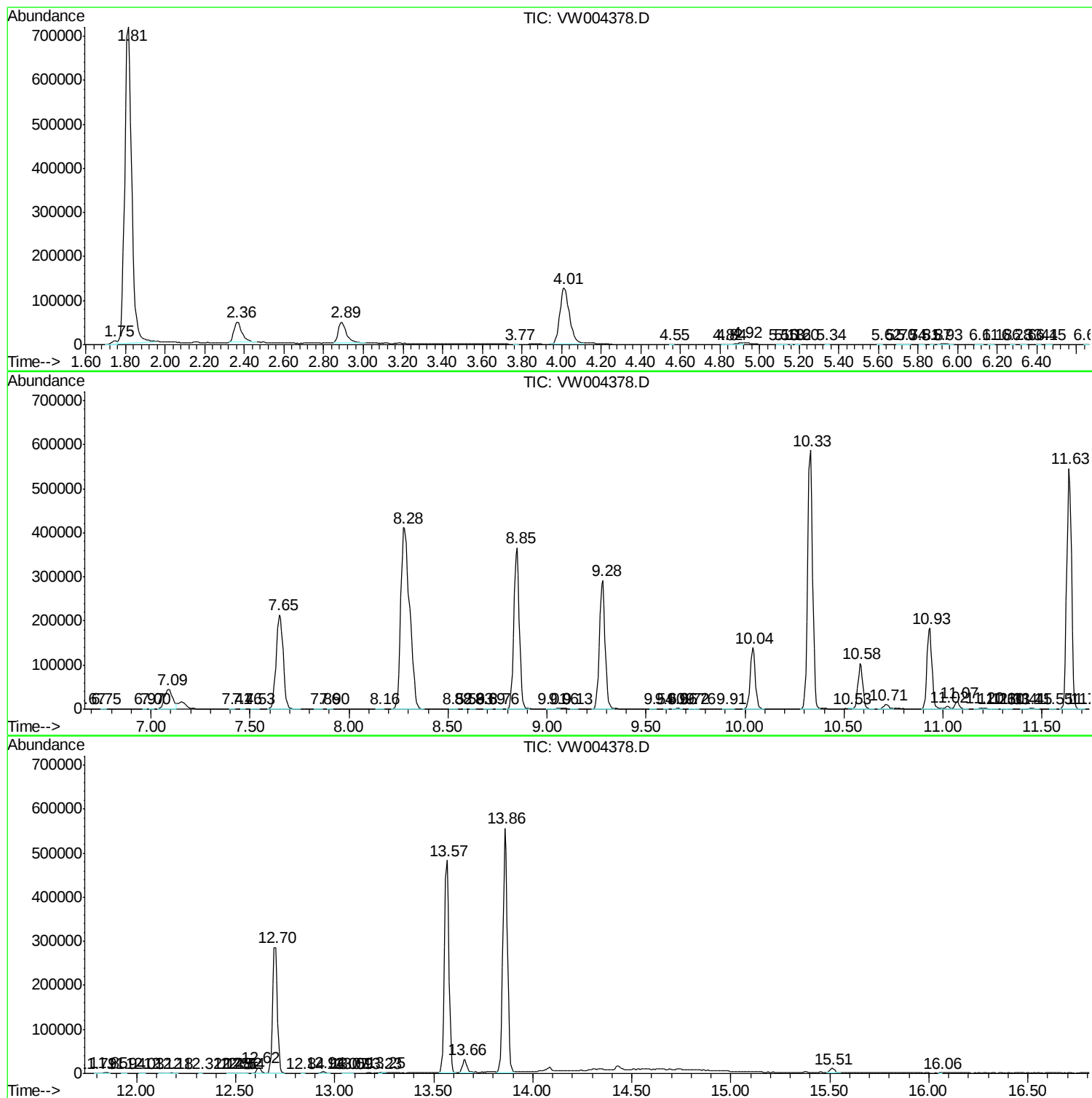
Sum of corrected areas: 10659131

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073118S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080118\  
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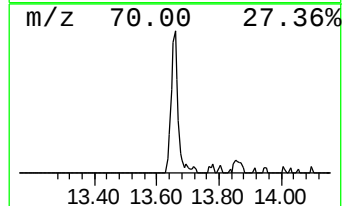
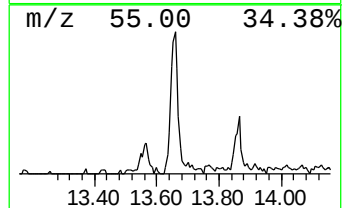
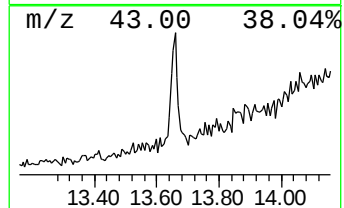
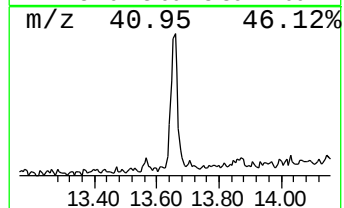
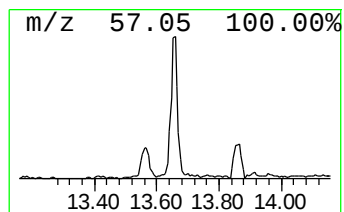
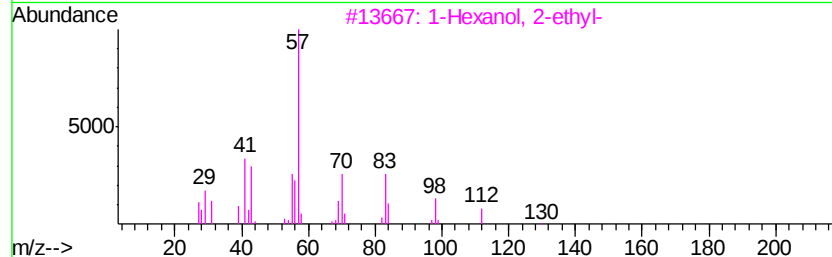
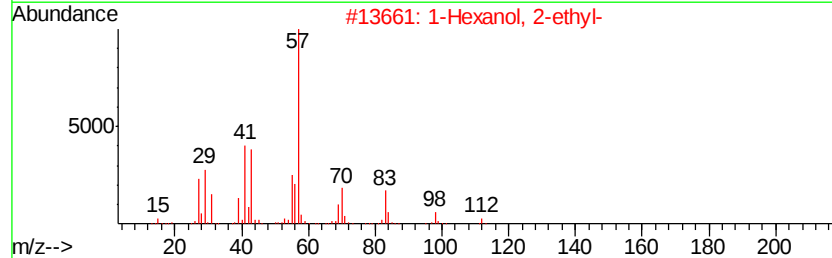
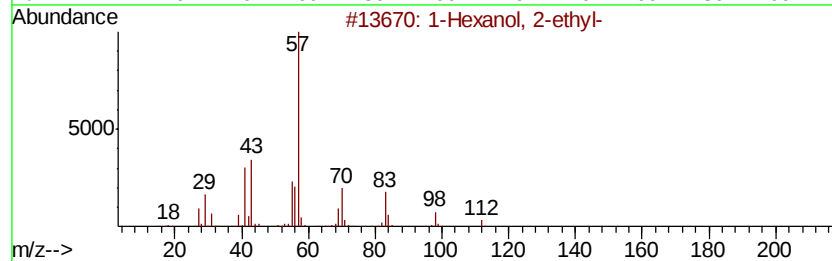
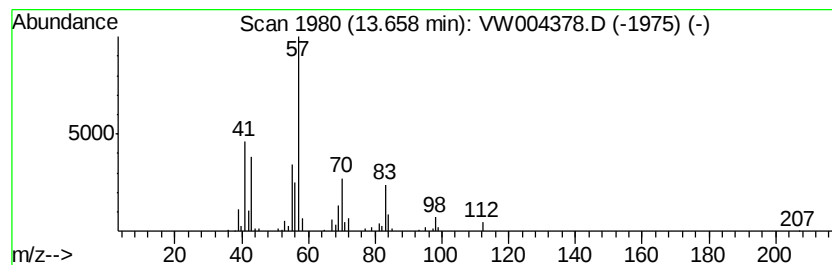
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073118S.M  
Quant Title : VOC Analysis

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

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Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.66 | 1.49 ug/L | 45806 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 83   |
| 2    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 72   |
| 3    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 64   |
| 4    |    |   | 1-Hexanol, 2-ethyl- | 130 | C8H18O  | 000104-76-7 | 64   |
| 5    |    |   | 2-Propyl-1-pentanol | 130 | C8H18O  | 058175-57-8 | 53   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                     |       |         |       |          | #                     | RT    | Resp   | Conc |
| 1-Hexanol, 2-ethyl- | 13.66 | 1.5     | ug/L  | 45806    | 3                     | 13.57 | 767443 | 25.0 |