

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111920\  
 Data File : VW017366.D  
 Acq On : 19 Nov 2020 13:02  
 Operator : SY/VA  
 Sample : L4749-19RE  
 Misc : 4.71G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0B18RE

## 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\SOM2WLM111820S.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      | 2.355    | 68         | 74       | 88        | rVB   | 103585      | 198010     | 18.28%       | 2.823%     |
| 2      | 2.489    | 94         | 96       | 100       | rBV4  | 1678        | 2086       | 0.19%        | 0.030%     |
| 3      | 2.898    | 156        | 163      | 176       | rVB2  | 72516       | 172803     | 15.95%       | 2.464%     |
| 4      | 3.294    | 226        | 228      | 229       | rBV   | 264         | 203        | 0.02%        | 0.003%     |
| 5      | 3.336    | 233        | 235      | 236       | rVB   | 384         | 208        | 0.02%        | 0.003%     |
| 6      | 3.373    | 239        | 241      | 242       | rBV2  | 468         | 376        | 0.03%        | 0.005%     |
| 7      | 3.483    | 256        | 259      | 260       | rVB2  | 219         | 174        | 0.02%        | 0.002%     |
| 8      | 3.538    | 265        | 268      | 270       | rBV   | 177         | 224        | 0.02%        | 0.003%     |
| 9      | 3.617    | 270        | 281      | 283       | rBV5  | 998         | 3256       | 0.30%        | 0.046%     |
| 10     | 3.733    | 299        | 300      | 304       | rVB2  | 555         | 452        | 0.04%        | 0.006%     |
| 11     | 3.788    | 304        | 309      | 311       | rBV3  | 299         | 452        | 0.04%        | 0.006%     |
| 12     | 3.849    | 317        | 319      | 321       | rVB2  | 216         | 198        | 0.02%        | 0.003%     |
| 13     | 4.019    | 334        | 347      | 366       | rBV   | 146348      | 433371     | 40.00%       | 6.179%     |
| 14     | 4.202    | 371        | 377      | 388       | rVV5  | 2830        | 8789       | 0.81%        | 0.125%     |
| 15     | 4.434    | 406        | 415      | 416       | rBV3  | 1054        | 1731       | 0.16%        | 0.025%     |
| 16     | 4.598    | 440        | 442      | 443       | rBV   | 290         | 167        | 0.02%        | 0.002%     |
| 17     | 4.653    | 449        | 451      | 452       | rVB2  | 232         | 166        | 0.02%        | 0.002%     |
| 18     | 4.672    | 452        | 454      | 457       | rBV2  | 173         | 184        | 0.02%        | 0.003%     |
| 19     | 4.696    | 457        | 458      | 461       | rBV2  | 326         | 200        | 0.02%        | 0.003%     |
| 20     | 4.726    | 461        | 463      | 466       | rVB   | 282         | 222        | 0.02%        | 0.003%     |
| 21     | 4.915    | 484        | 494      | 508       | rBV4  | 6582        | 22508      | 2.08%        | 0.321%     |
| 22     | 5.031    | 511        | 513      | 517       | rVB2  | 246         | 251        | 0.02%        | 0.004%     |
| 23     | 5.080    | 517        | 521      | 523       | rBV2  | 186         | 244        | 0.02%        | 0.003%     |
| 24     | 5.104    | 523        | 525      | 527       | rBV2  | 431         | 442        | 0.04%        | 0.006%     |
| 25     | 5.543    | 595        | 597      | 601       | rBV2  | 233         | 283        | 0.03%        | 0.004%     |
| 26     | 5.580    | 601        | 603      | 605       | rBV   | 172         | 171        | 0.02%        | 0.002%     |
| 27     | 5.714    | 624        | 625      | 628       | rBV2  | 160         | 171        | 0.02%        | 0.002%     |
| 28     | 5.775    | 633        | 635      | 637       | rBV2  | 273         | 237        | 0.02%        | 0.003%     |
| 29     | 5.952    | 656        | 664      | 673       | rVB7  | 3360        | 9805       | 0.91%        | 0.140%     |
| 30     | 6.110    | 687        | 690      | 693       | rVB   | 260         | 267        | 0.02%        | 0.004%     |
| 31     | 6.141    | 693        | 695      | 697       | rBV2  | 251         | 223        | 0.02%        | 0.003%     |
| 32     | 6.305    | 718        | 722      | 727       | rBV2  | 251         | 401        | 0.04%        | 0.006%     |
| 33     | 6.976    | 830        | 832      | 833       | rBV   | 312         | 185        | 0.02%        | 0.003%     |
| 34     | 7.086    | 841        | 850      | 854       | rBV   | 16516       | 44846      | 4.14%        | 0.639%     |

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 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 7.543  | 921  | 925  | 926  | rBV2 | 142    | 171     | 0.02%   | 0.002%  |
| 36 | 7.653  | 932  | 943  | 954  | rBV  | 192306 | 472590  | 43.62%  | 6.738%  |
| 37 | 7.878  | 979  | 980  | 982  | rVB  | 341    | 173     | 0.02%   | 0.002%  |
| 38 | 7.903  | 982  | 984  | 986  | rBV  | 178    | 217     | 0.02%   | 0.003%  |
| 39 | 7.958  | 989  | 993  | 998  | rVB2 | 627    | 960     | 0.09%   | 0.014%  |
| 40 | 8.275  | 1034 | 1045 | 1062 | rBV2 | 365412 | 1083386 | 100.00% | 15.448% |
| 41 | 8.512  | 1082 | 1084 | 1087 | rVB2 | 262    | 224     | 0.02%   | 0.003%  |
| 42 | 8.543  | 1087 | 1089 | 1090 | rBV2 | 283    | 206     | 0.02%   | 0.003%  |
| 43 | 8.848  | 1130 | 1139 | 1148 | rBV  | 336590 | 676736  | 62.46%  | 9.649%  |
| 44 | 9.134  | 1185 | 1186 | 1191 | rBV2 | 499    | 357     | 0.03%   | 0.005%  |
| 45 | 9.274  | 1199 | 1209 | 1220 | rBV  | 232522 | 474326  | 43.78%  | 6.763%  |
| 46 | 9.500  | 1243 | 1246 | 1250 | rVB  | 282    | 300     | 0.03%   | 0.004%  |
| 47 | 9.537  | 1250 | 1252 | 1256 | rBV  | 193    | 207     | 0.02%   | 0.003%  |
| 48 | 9.652  | 1270 | 1271 | 1273 | rBV  | 238    | 163     | 0.02%   | 0.002%  |
| 49 | 9.671  | 1273 | 1274 | 1279 | rVB2 | 245    | 264     | 0.02%   | 0.004%  |
| 50 | 9.835  | 1297 | 1301 | 1302 | rVB3 | 339    | 358     | 0.03%   | 0.005%  |
| 51 | 9.884  | 1307 | 1309 | 1311 | rBV3 | 325    | 327     | 0.03%   | 0.005%  |
| 52 | 9.963  | 1320 | 1322 | 1323 | rBV2 | 288    | 208     | 0.02%   | 0.003%  |
| 53 | 10.036 | 1326 | 1334 | 1342 | rVV  | 100893 | 181080  | 16.71%  | 2.582%  |
| 54 | 10.213 | 1357 | 1363 | 1369 | rBV3 | 1630   | 2901    | 0.27%   | 0.041%  |
| 55 | 10.323 | 1373 | 1381 | 1396 | rBV  | 494994 | 873592  | 80.64%  | 12.456% |
| 56 | 10.579 | 1416 | 1423 | 1434 | rBV  | 63518  | 112292  | 10.36%  | 1.601%  |
| 57 | 10.707 | 1437 | 1444 | 1451 | rVB2 | 32571  | 57142   | 5.27%   | 0.815%  |
| 58 | 10.927 | 1473 | 1480 | 1491 | rBV  | 61101  | 112734  | 10.41%  | 1.607%  |
| 59 | 11.030 | 1491 | 1497 | 1500 | rBV  | 30054  | 48808   | 4.51%   | 0.696%  |
| 60 | 11.122 | 1511 | 1512 | 1515 | rVB2 | 315    | 299     | 0.03%   | 0.004%  |
| 61 | 11.439 | 1559 | 1564 | 1570 | rVB  | 18737  | 31250   | 2.88%   | 0.446%  |
| 62 | 11.634 | 1589 | 1596 | 1609 | rVB  | 411797 | 694022  | 64.06%  | 9.896%  |
| 63 | 12.121 | 1675 | 1676 | 1679 | rBV3 | 444    | 338     | 0.03%   | 0.005%  |
| 64 | 12.158 | 1679 | 1682 | 1690 | rVV5 | 394    | 1010    | 0.09%   | 0.014%  |
| 65 | 12.341 | 1709 | 1712 | 1713 | rBV2 | 201    | 244     | 0.02%   | 0.003%  |
| 66 | 12.390 | 1716 | 1720 | 1721 | rBV2 | 197    | 214     | 0.02%   | 0.003%  |
| 67 | 12.463 | 1730 | 1732 | 1738 | rVB4 | 945    | 1281    | 0.12%   | 0.018%  |
| 68 | 12.536 | 1742 | 1744 | 1747 | rVB  | 224    | 243     | 0.02%   | 0.003%  |
| 69 | 12.609 | 1747 | 1756 | 1763 | rBV  | 47665  | 78938   | 7.29%   | 1.126%  |
| 70 | 12.695 | 1763 | 1770 | 1777 | rBV  | 143988 | 235428  | 21.73%  | 3.357%  |
| 71 | 12.762 | 1777 | 1781 | 1786 | rVB4 | 851    | 1347    | 0.12%   | 0.019%  |

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 C0B18RE

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 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\SOM2WLM111820S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 12.798 | 1786 | 1787 | 1792 | rVB2 | 430    | 311    | 0.03%  | 0.004% |
| 73  | 12.859 | 1795 | 1797 | 1800 | rVB3 | 287    | 256    | 0.02%  | 0.004% |
| 74  | 12.932 | 1803 | 1809 | 1813 | rBV2 | 5907   | 10461  | 0.97%  | 0.149% |
| 75  | 13.036 | 1823 | 1826 | 1831 | rBV2 | 792    | 885    | 0.08%  | 0.013% |
| 76  | 13.085 | 1831 | 1834 | 1835 | rBV3 | 549    | 464    | 0.04%  | 0.007% |
| 77  | 13.164 | 1843 | 1847 | 1849 | rBV2 | 741    | 892    | 0.08%  | 0.013% |
| 78  | 13.213 | 1849 | 1855 | 1861 | rVV5 | 3336   | 6783   | 0.63%  | 0.097% |
| 79  | 13.298 | 1862 | 1869 | 1876 | rVB3 | 9901   | 15823  | 1.46%  | 0.226% |
| 80  | 13.347 | 1876 | 1877 | 1880 | rBV2 | 376    | 304    | 0.03%  | 0.004% |
| 81  | 13.408 | 1880 | 1887 | 1892 | rVB5 | 2795   | 4550   | 0.42%  | 0.065% |
| 82  | 13.444 | 1892 | 1893 | 1895 | rBV  | 342    | 216    | 0.02%  | 0.003% |
| 83  | 13.511 | 1901 | 1904 | 1905 | rBV3 | 1140   | 1230   | 0.11%  | 0.018% |
| 84  | 13.560 | 1905 | 1912 | 1925 | rVB  | 271107 | 444186 | 41.00% | 6.333% |
| 85  | 13.761 | 1938 | 1945 | 1948 | rBV5 | 2112   | 3873   | 0.36%  | 0.055% |
| 86  | 13.853 | 1954 | 1960 | 1967 | rBV  | 256966 | 422656 | 39.01% | 6.026% |
| 87  | 14.072 | 1991 | 1996 | 2006 | rVB  | 19460  | 33531  | 3.10%  | 0.478% |
| 88  | 14.145 | 2006 | 2008 | 2010 | rBV2 | 272    | 224    | 0.02%  | 0.003% |
| 89  | 14.200 | 2013 | 2017 | 2024 | rVB3 | 1072   | 1760   | 0.16%  | 0.025% |
| 90  | 14.304 | 2031 | 2034 | 2036 | rBV2 | 755    | 1019   | 0.09%  | 0.015% |
| 91  | 14.523 | 2065 | 2070 | 2074 | rBV4 | 928    | 1335   | 0.12%  | 0.019% |
| 92  | 14.676 | 2093 | 2095 | 2098 | rBV2 | 285    | 237    | 0.02%  | 0.003% |
| 93  | 14.719 | 2100 | 2102 | 2103 | rBV2 | 766    | 533    | 0.05%  | 0.008% |
| 94  | 14.822 | 2118 | 2119 | 2121 | rVB  | 383    | 192    | 0.02%  | 0.003% |
| 95  | 14.987 | 2144 | 2146 | 2147 | rBV2 | 385    | 244    | 0.02%  | 0.003% |
| 96  | 15.157 | 2173 | 2174 | 2175 | rBV  | 564    | 256    | 0.02%  | 0.004% |
| 97  | 15.359 | 2203 | 2207 | 2208 | rBV3 | 429    | 462    | 0.04%  | 0.007% |
| 98  | 15.438 | 2210 | 2220 | 2226 | rBV2 | 6635   | 11734  | 1.08%  | 0.167% |
| 99  | 15.761 | 2271 | 2273 | 2274 | rBV2 | 705    | 730    | 0.07%  | 0.010% |
| 100 | 15.920 | 2297 | 2299 | 2304 | rVB3 | 461    | 505    | 0.05%  | 0.007% |

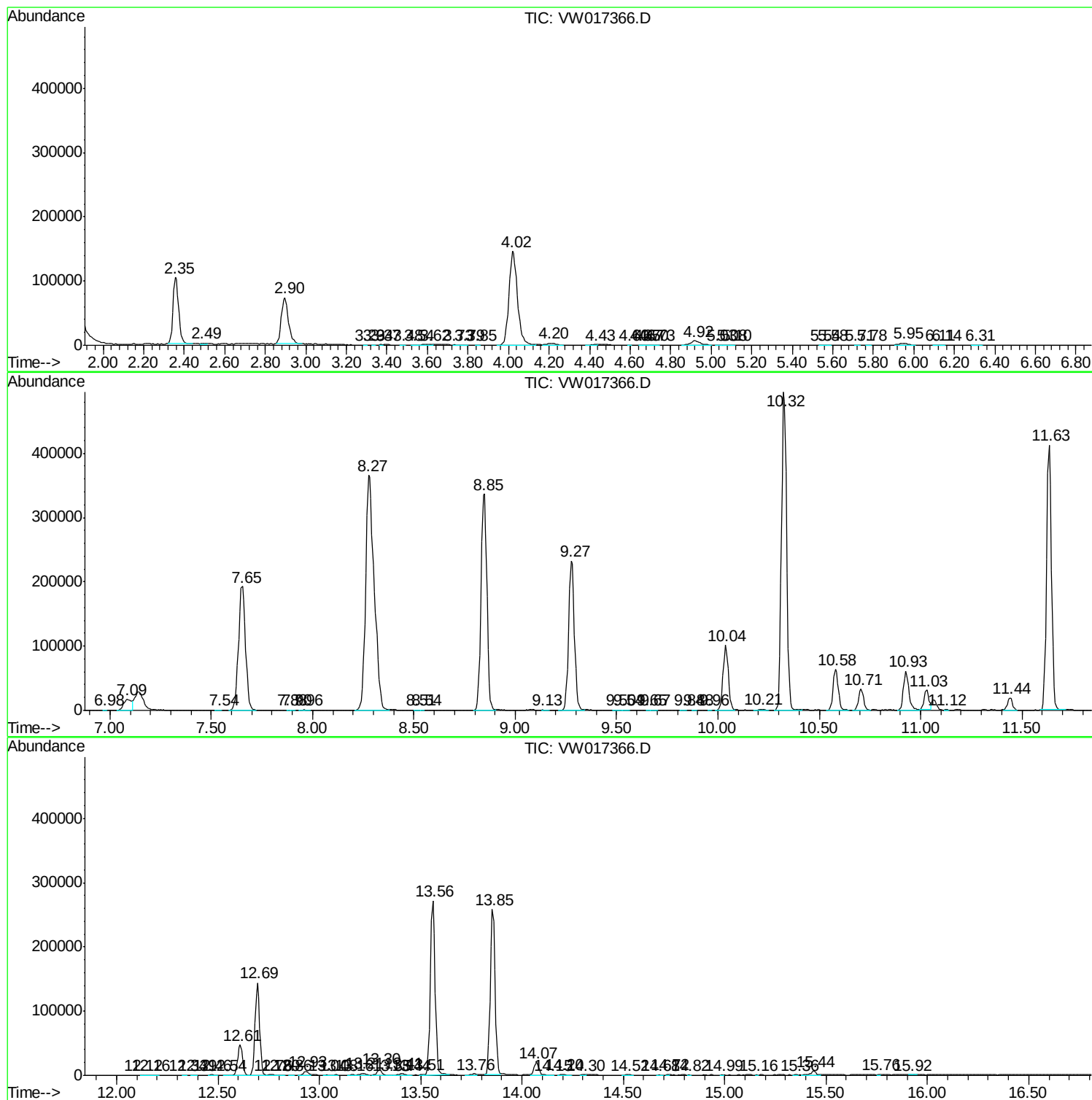
Sum of corrected areas: 7013294

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111920\  
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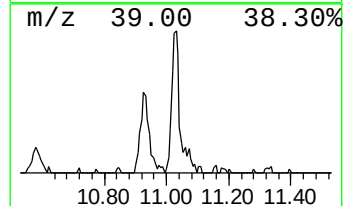
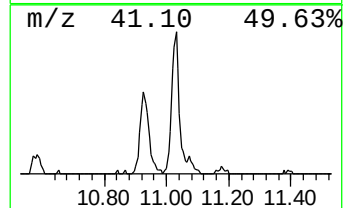
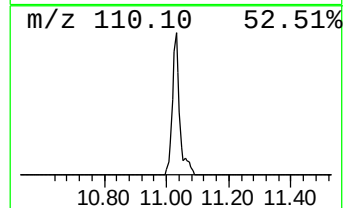
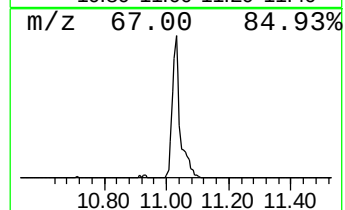
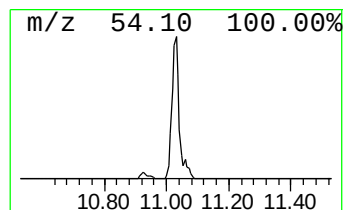
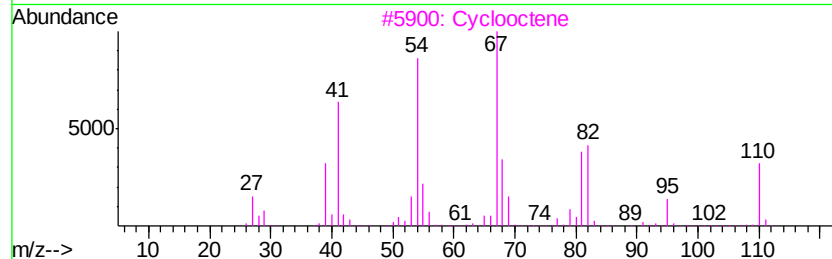
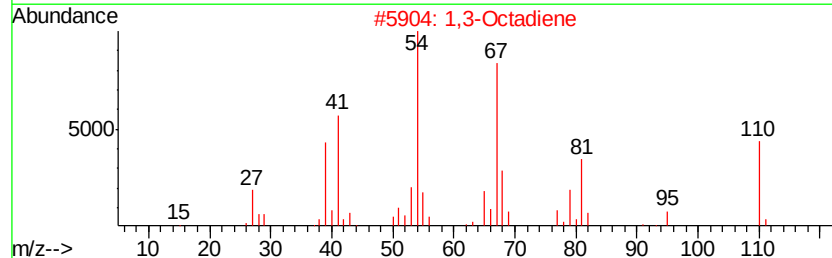
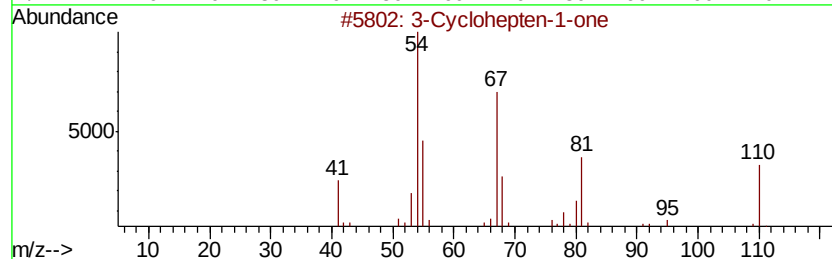
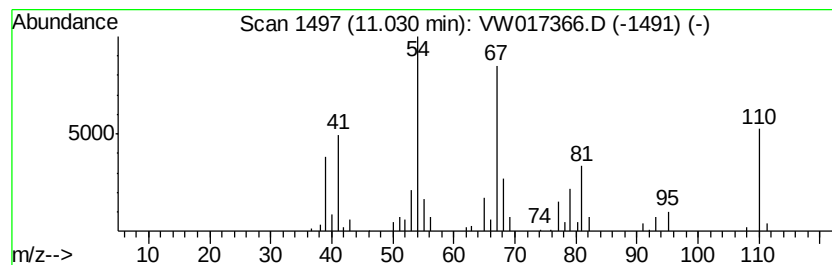
Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 3-Cyclohepten-1-one Concentration Rank 5

| R.T.      | EstConc                  | Area  | Relative to ISTD |             | R.T.  |
|-----------|--------------------------|-------|------------------|-------------|-------|
| 11.03     | 1.76 ug/L                | 48808 | Chlorobenzene-d5 |             | 11.63 |
| Hit# of 5 | Tentative ID             | MW    | MolForm          | CAS#        | Qual  |
| 1         | 3-Cyclohepten-1-one      | 110   | C7H10O           | 001121-64-8 | 91    |
| 2         | 1,3-Octadiene            | 110   | C8H14            | 001002-33-1 | 90    |
| 3         | Cyclooctene              | 110   | C8H14            | 000931-88-4 | 83    |
| 4         | 1,5-Cyclooctadiene       | 108   | C8H12            | 000111-78-4 | 72    |
| 5         | Cis-bicyclo[4.2.0]octane | 110   | C8H14            | 028282-35-1 | 72    |



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TIC Library : C:\DATABASE\NIST11.L  
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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                     |       |         |       |          | #                     | RT    | Resp   | Conc |
| 3-Cyclohepten-1-one | 11.03 | 1.8     | ug/L  | 48808    | 2                     | 11.63 | 694022 | 25.0 |