

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\  
 Data File : VW009821.D  
 Acq On : 09 Apr 2019 00:57  
 Operator : SY/VA  
 Sample : K2217-18  
 Misc : 4.44G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF608

## 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\SOM2WLM040319S.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      | 1.964    | 5          | 10       | 15        | rBV5  | 4348        | 8016       | 0.40%        | 0.056%     |
| 2      | 2.117    | 33         | 35       | 36        | rBV2  | 1425        | 1016       | 0.05%        | 0.007%     |
| 3      | 2.160    | 36         | 42       | 49        | rBV2  | 25904       | 63133      | 3.16%        | 0.445%     |
| 4      | 2.361    | 68         | 75       | 86        | rBV   | 61487       | 203467     | 10.18%       | 1.433%     |
| 5      | 2.891    | 154        | 162      | 175       | rBV   | 70407       | 218704     | 10.95%       | 1.541%     |
| 6      | 3.806    | 310        | 312      | 313       | rVB2  | 1911        | 1086       | 0.05%        | 0.008%     |
| 7      | 3.824    | 313        | 315      | 316       | rBV2  | 1731        | 1519       | 0.08%        | 0.011%     |
| 8      | 3.897    | 325        | 327      | 331       | rVB5  | 1820        | 2294       | 0.11%        | 0.016%     |
| 9      | 4.007    | 334        | 345      | 357       | rBV   | 162363      | 592076     | 29.63%       | 4.171%     |
| 10     | 4.117    | 358        | 363      | 372       | rVB   | 52261       | 139644     | 6.99%        | 0.984%     |
| 11     | 4.403    | 405        | 410      | 418       | rVB4  | 4470        | 11285      | 0.56%        | 0.080%     |
| 12     | 4.543    | 430        | 433      | 436       | rBV4  | 658         | 1043       | 0.05%        | 0.007%     |
| 13     | 4.568    | 436        | 437      | 440       | rVV3  | 905         | 854        | 0.04%        | 0.006%     |
| 14     | 4.915    | 482        | 494      | 495       | rBV2  | 22166       | 51620      | 2.58%        | 0.364%     |
| 15     | 5.171    | 532        | 536      | 537       | rBV2  | 1028        | 1046       | 0.05%        | 0.007%     |
| 16     | 5.238    | 546        | 547      | 550       | rVB2  | 1073        | 863        | 0.04%        | 0.006%     |
| 17     | 5.287    | 550        | 555      | 556       | rBV4  | 1243        | 1561       | 0.08%        | 0.011%     |
| 18     | 5.409    | 572        | 575      | 577       | rBV2  | 1111        | 963        | 0.05%        | 0.007%     |
| 19     | 5.763    | 632        | 633      | 638       | rVB3  | 1052        | 1144       | 0.06%        | 0.008%     |
| 20     | 5.921    | 649        | 659      | 672       | rVB6  | 9379        | 32210      | 1.61%        | 0.227%     |
| 21     | 6.013    | 672        | 674      | 677       | rBV3  | 763         | 869        | 0.04%        | 0.006%     |
| 22     | 6.134    | 692        | 694      | 698       | rVB3  | 1582        | 1760       | 0.09%        | 0.012%     |
| 23     | 6.354    | 726        | 730      | 733       | rBV3  | 706         | 1322       | 0.07%        | 0.009%     |
| 24     | 6.720    | 786        | 790      | 791       | rVB3  | 1051        | 962        | 0.05%        | 0.007%     |
| 25     | 6.805    | 801        | 804      | 806       | rBV3  | 1199        | 959        | 0.05%        | 0.007%     |
| 26     | 6.951    | 825        | 828      | 830       | rBV   | 920         | 1036       | 0.05%        | 0.007%     |
| 27     | 7.079    | 837        | 849      | 873       | rBV2  | 64783       | 231614     | 11.59%       | 1.632%     |
| 28     | 7.232    | 873        | 874      | 877       | rVB2  | 1189        | 1014       | 0.05%        | 0.007%     |
| 29     | 7.299    | 883        | 885      | 887       | rBV3  | 969         | 1259       | 0.06%        | 0.009%     |
| 30     | 7.366    | 893        | 896      | 898       | rBV4  | 1052        | 1368       | 0.07%        | 0.010%     |
| 31     | 7.427    | 903        | 906      | 907       | rBV2  | 989         | 1213       | 0.06%        | 0.009%     |
| 32     | 7.518    | 916        | 921      | 922       | rBV4  | 1865        | 2543       | 0.13%        | 0.018%     |
| 33     | 7.640    | 931        | 941      | 955       | rVB   | 375517      | 890597     | 44.57%       | 6.274%     |
| 34     | 7.787    | 963        | 965      | 969       | rBV4  | 824         | 876        | 0.04%        | 0.006%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 8.268  | 1032 | 1044 | 1060 | rBV2 | 641062 | 1998082 | 100.00% | 14.076% |
| 36 | 8.841  | 1125 | 1138 | 1152 | rBV  | 655285 | 1253471 | 62.73%  | 8.830%  |
| 37 | 9.073  | 1168 | 1176 | 1182 | rVV7 | 8963   | 19372   | 0.97%   | 0.136%  |
| 38 | 9.274  | 1197 | 1209 | 1220 | rBV  | 479170 | 978793  | 48.99%  | 6.895%  |
| 39 | 9.542  | 1250 | 1253 | 1254 | rBV2 | 892    | 927     | 0.05%   | 0.007%  |
| 40 | 9.658  | 1267 | 1272 | 1278 | rVB8 | 2444   | 5920    | 0.30%   | 0.042%  |
| 41 | 9.750  | 1282 | 1287 | 1296 | rBV8 | 2475   | 6732    | 0.34%   | 0.047%  |
| 42 | 9.890  | 1303 | 1310 | 1315 | rBV6 | 7629   | 16551   | 0.83%   | 0.117%  |
| 43 | 10.030 | 1325 | 1333 | 1343 | rBV2 | 176061 | 339517  | 16.99%  | 2.392%  |
| 44 | 10.243 | 1362 | 1368 | 1372 | rBV4 | 5583   | 9766    | 0.49%   | 0.069%  |
| 45 | 10.323 | 1373 | 1381 | 1388 | rBV  | 845124 | 1480087 | 74.08%  | 10.427% |
| 46 | 10.573 | 1415 | 1422 | 1433 | rBV  | 127233 | 230468  | 11.53%  | 1.624%  |
| 47 | 10.701 | 1438 | 1443 | 1450 | rBV3 | 7220   | 14575   | 0.73%   | 0.103%  |
| 48 | 10.774 | 1450 | 1455 | 1456 | rBV4 | 6366   | 7444    | 0.37%   | 0.052%  |
| 49 | 10.926 | 1474 | 1480 | 1499 | rVB2 | 261237 | 528133  | 26.43%  | 3.721%  |
| 50 | 11.627 | 1588 | 1595 | 1604 | rBV  | 894890 | 1530836 | 76.62%  | 10.784% |
| 51 | 12.097 | 1671 | 1672 | 1674 | rBV2 | 842    | 889     | 0.04%   | 0.006%  |
| 52 | 12.231 | 1693 | 1694 | 1696 | rBV  | 880    | 951     | 0.05%   | 0.007%  |
| 53 | 12.377 | 1714 | 1718 | 1722 | rVB7 | 1865   | 3151    | 0.16%   | 0.022%  |
| 54 | 12.475 | 1728 | 1734 | 1738 | rBV9 | 2422   | 5398    | 0.27%   | 0.038%  |
| 55 | 12.536 | 1742 | 1744 | 1749 | rBV5 | 1008   | 1905    | 0.10%   | 0.013%  |
| 56 | 12.603 | 1749 | 1755 | 1762 | rBV3 | 18693  | 44874   | 2.25%   | 0.316%  |
| 57 | 12.694 | 1762 | 1770 | 1779 | rBV  | 429387 | 701136  | 35.09%  | 4.939%  |
| 58 | 12.761 | 1779 | 1781 | 1784 | rVB4 | 2920   | 3003    | 0.15%   | 0.021%  |
| 59 | 12.828 | 1790 | 1792 | 1796 | rVB4 | 1014   | 1105    | 0.06%   | 0.008%  |
| 60 | 12.956 | 1806 | 1813 | 1819 | rBV9 | 3011   | 8078    | 0.40%   | 0.057%  |
| 61 | 13.023 | 1819 | 1824 | 1831 | rVV9 | 5515   | 10117   | 0.51%   | 0.071%  |
| 62 | 13.121 | 1836 | 1840 | 1844 | rVB6 | 2976   | 4300    | 0.22%   | 0.030%  |
| 63 | 13.194 | 1848 | 1852 | 1857 | rVV4 | 4822   | 6960    | 0.35%   | 0.049%  |
| 64 | 13.304 | 1867 | 1870 | 1874 | rVB5 | 3055   | 4220    | 0.21%   | 0.030%  |
| 65 | 13.414 | 1880 | 1888 | 1892 | rBV4 | 9178   | 17978   | 0.90%   | 0.127%  |
| 66 | 13.481 | 1892 | 1899 | 1901 | rBV6 | 5745   | 10506   | 0.53%   | 0.074%  |
| 67 | 13.560 | 1905 | 1912 | 1919 | rBV  | 771743 | 1196945 | 59.90%  | 8.432%  |
| 68 | 13.767 | 1942 | 1946 | 1952 | rVB7 | 4391   | 7326    | 0.37%   | 0.052%  |
| 69 | 13.859 | 1952 | 1961 | 1967 | rBV  | 674734 | 1140051 | 57.06%  | 8.031%  |
| 70 | 14.017 | 1985 | 1987 | 1990 | rBV4 | 1589   | 1543    | 0.08%   | 0.011%  |
| 71 | 14.078 | 1992 | 1997 | 2002 | rVV2 | 13996  | 20984   | 1.05%   | 0.148%  |

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## Integration Parameters: LSCINT.P

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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\SOM2WLM040319S.M  
Title : VOC Analysis

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 72  | 14.334 | 2035 | 2039 | 2044 | rVB6 | 2842  | 5015  | 0.25% | 0.035% |
| 73  | 14.456 | 2058 | 2059 | 2061 | rBV2 | 1312  | 1159  | 0.06% | 0.008% |
| 74  | 14.493 | 2063 | 2065 | 2067 | rBV3 | 906   | 887   | 0.04% | 0.006% |
| 75  | 14.639 | 2084 | 2089 | 2092 | rBV6 | 1210  | 2524  | 0.13% | 0.018% |
| 76  | 14.730 | 2102 | 2104 | 2106 | rVB3 | 1355  | 1044  | 0.05% | 0.007% |
| 77  | 14.938 | 2137 | 2138 | 2141 | rBV3 | 1288  | 1284  | 0.06% | 0.009% |
| 78  | 15.017 | 2144 | 2151 | 2153 | rBV4 | 1546  | 2308  | 0.12% | 0.016% |
| 79  | 15.084 | 2156 | 2162 | 2165 | rBV5 | 1385  | 3016  | 0.15% | 0.021% |
| 80  | 15.157 | 2171 | 2174 | 2175 | rBV3 | 653   | 858   | 0.04% | 0.006% |
| 81  | 15.279 | 2193 | 2194 | 2198 | rVB3 | 1508  | 1141  | 0.06% | 0.008% |
| 82  | 15.316 | 2198 | 2200 | 2201 | rBV2 | 1226  | 838   | 0.04% | 0.006% |
| 83  | 15.352 | 2204 | 2206 | 2209 | rBV4 | 687   | 1007  | 0.05% | 0.007% |
| 84  | 15.444 | 2209 | 2221 | 2226 | rBV4 | 19990 | 43996 | 2.20% | 0.310% |
| 85  | 15.499 | 2227 | 2230 | 2235 | rVB2 | 5042  | 9087  | 0.45% | 0.064% |
| 86  | 15.614 | 2246 | 2249 | 2252 | rBV5 | 2092  | 2468  | 0.12% | 0.017% |
| 87  | 15.700 | 2261 | 2263 | 2264 | rBV2 | 1456  | 1329  | 0.07% | 0.009% |
| 88  | 15.810 | 2274 | 2281 | 2286 | rBV7 | 6791  | 11729 | 0.59% | 0.083% |
| 89  | 15.895 | 2291 | 2295 | 2299 | rVB7 | 2191  | 3760  | 0.19% | 0.026% |
| 90  | 15.968 | 2301 | 2307 | 2308 | rBV5 | 2172  | 3349  | 0.17% | 0.024% |
| 91  | 16.047 | 2318 | 2320 | 2325 | rVB5 | 1987  | 2851  | 0.14% | 0.020% |
| 92  | 16.309 | 2360 | 2363 | 2367 | rBV4 | 1311  | 2013  | 0.10% | 0.014% |
| 93  | 16.346 | 2367 | 2369 | 2375 | rVB6 | 1397  | 1844  | 0.09% | 0.013% |
| 94  | 16.425 | 2378 | 2382 | 2384 | rBV5 | 859   | 1352  | 0.07% | 0.010% |
| 95  | 16.480 | 2389 | 2391 | 2395 | rBV4 | 1067  | 1275  | 0.06% | 0.009% |
| 96  | 16.651 | 2416 | 2419 | 2422 | rBV4 | 1285  | 1576  | 0.08% | 0.011% |
| 97  | 16.681 | 2422 | 2424 | 2427 | rVV5 | 923   | 879   | 0.04% | 0.006% |
| 98  | 16.706 | 2427 | 2428 | 2431 | rVB3 | 1335  | 1298  | 0.06% | 0.009% |
| 99  | 16.736 | 2431 | 2433 | 2434 | rBV2 | 1401  | 1087  | 0.05% | 0.008% |
| 100 | 16.767 | 2437 | 2438 | 2440 | rBV2 | 1242  | 942   | 0.05% | 0.007% |

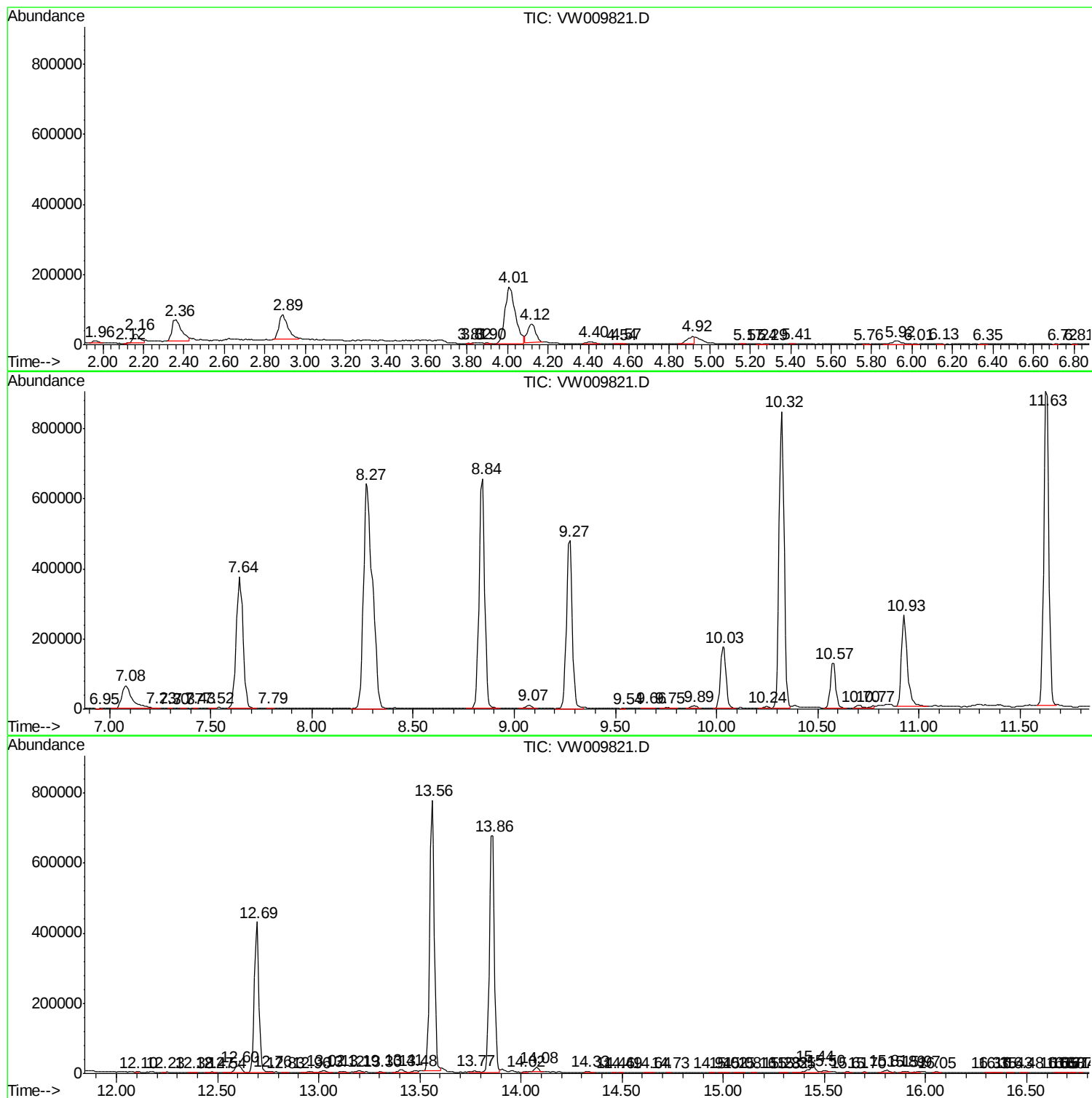
Sum of corrected areas: 14194946

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040819\  
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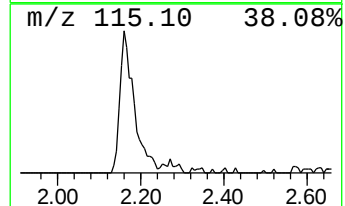
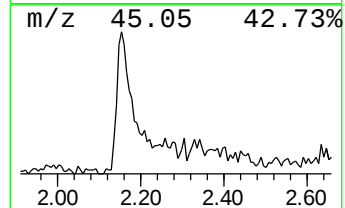
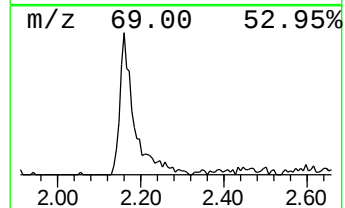
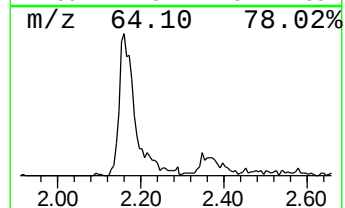
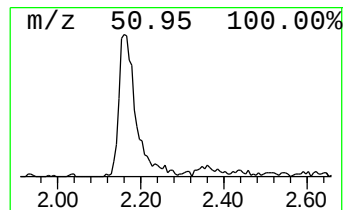
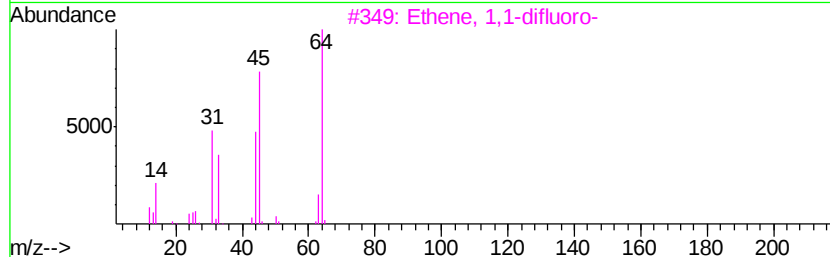
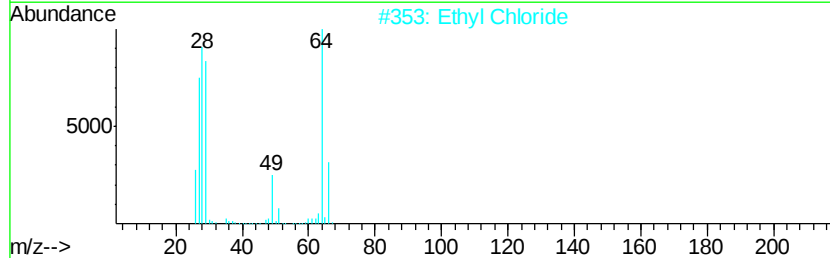
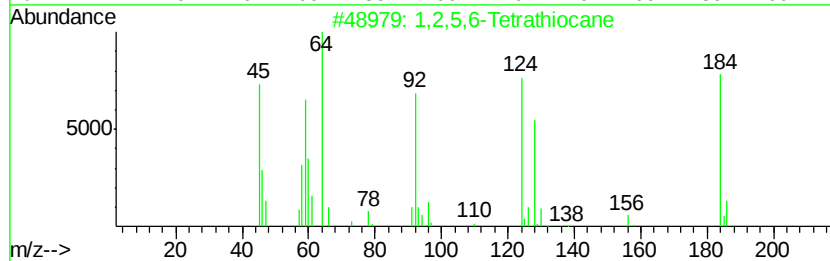
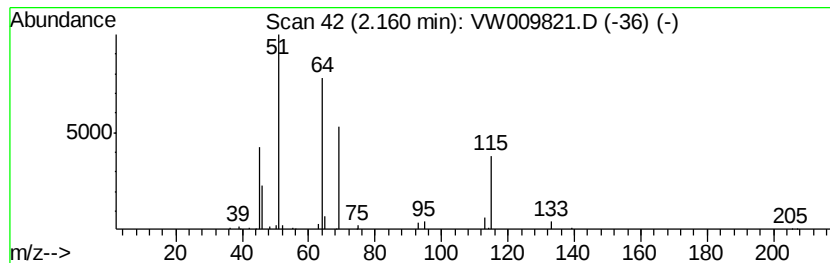
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis

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

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.16 | 1.26 ug/L | 63133 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | 1,2,5,6-Tetrathiocane | 184 | C4H8S4  | 001940-01-8 | 23   |
| 2    |    |   | Ethyl Chloride        | 64  | C2H5Cl  | 000075-00-3 | 7    |
| 3    |    |   | Ethene, 1,1-difluoro- | 64  | C2H2F2  | 000075-38-7 | 7    |
| 4    |    |   | Ethene, 1,1-difluoro- | 64  | C2H2F2  | 000075-38-7 | 5    |
| 5    |    |   | Ethene, 1,2-difluoro- | 64  | C2H2F2  | 001691-13-0 | 5    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| unknown-01       | 2.16 | 1.3     | ug/L  | 63133    | 1                     | 8.84 | 1253470 | 25.0 |