

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW103119\  
 Data File : VW013868.D  
 Acq On : 31 Oct 2019 19:57  
 Operator : SY/VA  
 Sample : K5596-14  
 Misc : 5.17G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQB5

## 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\SOM2WLM103119S.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       | 84        | rBV   | 60878       | 128231     | 11.67%       | 1.594%     |
| 2      | 2.885    | 154        | 161      | 176       | rBV   | 48933       | 122801     | 11.18%       | 1.526%     |
| 3      | 3.379    | 238        | 242      | 244       | rBV3  | 1086        | 1541       | 0.14%        | 0.019%     |
| 4      | 3.471    | 256        | 257      | 259       | rBV   | 491         | 407        | 0.04%        | 0.005%     |
| 5      | 3.507    | 261        | 263      | 264       | rVV2  | 525         | 354        | 0.03%        | 0.004%     |
| 6      | 3.593    | 276        | 277      | 280       | rVB2  | 456         | 392        | 0.04%        | 0.005%     |
| 7      | 3.617    | 280        | 281      | 284       | rVB3  | 334         | 274        | 0.02%        | 0.003%     |
| 8      | 3.684    | 289        | 292      | 294       | rVB   | 246         | 279        | 0.03%        | 0.003%     |
| 9      | 3.873    | 322        | 323      | 325       | rBV2  | 344         | 303        | 0.03%        | 0.004%     |
| 10     | 4.025    | 333        | 348      | 360       | rBV   | 111024      | 368480     | 33.55%       | 4.580%     |
| 11     | 4.379    | 400        | 406      | 408       | rBV3  | 1287        | 2091       | 0.19%        | 0.026%     |
| 12     | 4.507    | 424        | 427      | 429       | rVB2  | 287         | 272        | 0.02%        | 0.003%     |
| 13     | 4.678    | 450        | 455      | 460       | rVV   | 895         | 1933       | 0.18%        | 0.024%     |
| 14     | 4.781    | 470        | 472      | 473       | rBV   | 314         | 259        | 0.02%        | 0.003%     |
| 15     | 4.867    | 484        | 486      | 487       | rBV   | 521         | 472        | 0.04%        | 0.006%     |
| 16     | 4.928    | 487        | 496      | 497       | rBV5  | 4999        | 11317      | 1.03%        | 0.141%     |
| 17     | 5.153    | 530        | 533      | 534       | rVV   | 359         | 292        | 0.03%        | 0.004%     |
| 18     | 5.330    | 560        | 562      | 564       | rVB2  | 361         | 313        | 0.03%        | 0.004%     |
| 19     | 5.775    | 629        | 635      | 636       | rBV2  | 1451        | 2048       | 0.19%        | 0.025%     |
| 20     | 5.873    | 649        | 651      | 653       | rBV2  | 250         | 301        | 0.03%        | 0.004%     |
| 21     | 5.940    | 653        | 662      | 672       | rVV5  | 5031        | 15662      | 1.43%        | 0.195%     |
| 22     | 6.098    | 682        | 688      | 692       | rBV2  | 251         | 534        | 0.05%        | 0.007%     |
| 23     | 6.251    | 712        | 713      | 714       | rBV   | 346         | 227        | 0.02%        | 0.003%     |
| 24     | 6.385    | 733        | 735      | 740       | rVB2  | 291         | 364        | 0.03%        | 0.005%     |
| 25     | 6.434    | 740        | 743      | 745       | rVB   | 320         | 317        | 0.03%        | 0.004%     |
| 26     | 6.653    | 777        | 779      | 781       | rVB2  | 293         | 218        | 0.02%        | 0.003%     |
| 27     | 6.683    | 781        | 784      | 788       | rBV   | 343         | 322        | 0.03%        | 0.004%     |
| 28     | 6.812    | 804        | 805      | 809       | rVB2  | 263         | 295        | 0.03%        | 0.004%     |
| 29     | 6.848    | 809        | 811      | 814       | rBV   | 575         | 581        | 0.05%        | 0.007%     |
| 30     | 6.897    | 814        | 819      | 824       | rBV5  | 1004        | 2079       | 0.19%        | 0.026%     |
| 31     | 7.074    | 840        | 848      | 856       | rBV   | 43137       | 126505     | 11.52%       | 1.572%     |
| 32     | 7.250    | 870        | 877      | 894       | rVB   | 55503       | 142910     | 13.01%       | 1.776%     |
| 33     | 7.488    | 914        | 916      | 920       | rVB2  | 428         | 461        | 0.04%        | 0.006%     |
| 34     | 7.543    | 924        | 925      | 929       | rVV2  | 385         | 419        | 0.04%        | 0.005%     |

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 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\SOM2WLM103119S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 7.647  | 932  | 942  | 958  | rVB  | 178719 | 440363  | 40.09%  | 5.474%  |
| 36 | 7.927  | 986  | 988  | 990  | rVV2 | 310    | 282     | 0.03%   | 0.004%  |
| 37 | 7.952  | 990  | 992  | 997  | rVB3 | 647    | 776     | 0.07%   | 0.010%  |
| 38 | 8.110  | 1016 | 1018 | 1021 | rVB2 | 397    | 320     | 0.03%   | 0.004%  |
| 39 | 8.153  | 1023 | 1025 | 1027 | rVB  | 455    | 326     | 0.03%   | 0.004%  |
| 40 | 8.171  | 1027 | 1028 | 1030 | rBV  | 340    | 264     | 0.02%   | 0.003%  |
| 41 | 8.275  | 1035 | 1045 | 1062 | rVV2 | 360621 | 1098429 | 100.00% | 13.653% |
| 42 | 8.409  | 1066 | 1067 | 1070 | rBV2 | 513    | 570     | 0.05%   | 0.007%  |
| 43 | 8.708  | 1110 | 1116 | 1123 | rVB6 | 1815   | 4389    | 0.40%   | 0.055%  |
| 44 | 8.842  | 1129 | 1138 | 1147 | rBV  | 300038 | 594417  | 54.12%  | 7.389%  |
| 45 | 9.037  | 1165 | 1170 | 1173 | rBV6 | 2865   | 5506    | 0.50%   | 0.068%  |
| 46 | 9.085  | 1173 | 1178 | 1186 | rVB5 | 11475  | 24980   | 2.27%   | 0.310%  |
| 47 | 9.195  | 1194 | 1196 | 1199 | rBV2 | 258    | 268     | 0.02%   | 0.003%  |
| 48 | 9.274  | 1199 | 1209 | 1218 | rBV  | 250999 | 515141  | 46.90%  | 6.403%  |
| 49 | 9.409  | 1228 | 1231 | 1233 | rBV2 | 496    | 561     | 0.05%   | 0.007%  |
| 50 | 9.500  | 1243 | 1246 | 1248 | rBV2 | 354    | 422     | 0.04%   | 0.005%  |
| 51 | 9.543  | 1251 | 1253 | 1255 | rBV  | 337    | 292     | 0.03%   | 0.004%  |
| 52 | 9.598  | 1259 | 1262 | 1264 | rVV3 | 462    | 570     | 0.05%   | 0.007%  |
| 53 | 9.652  | 1264 | 1271 | 1280 | rVB6 | 1906   | 4341    | 0.40%   | 0.054%  |
| 54 | 9.841  | 1296 | 1302 | 1303 | rBV2 | 281    | 299     | 0.03%   | 0.004%  |
| 55 | 9.951  | 1317 | 1320 | 1324 | rBV3 | 406    | 575     | 0.05%   | 0.007%  |
| 56 | 10.030 | 1325 | 1333 | 1341 | rBV  | 120909 | 223629  | 20.36%  | 2.780%  |
| 57 | 10.152 | 1350 | 1353 | 1360 | rVB5 | 2930   | 5621    | 0.51%   | 0.070%  |
| 58 | 10.219 | 1360 | 1364 | 1368 | rBV  | 564    | 651     | 0.06%   | 0.008%  |
| 59 | 10.323 | 1373 | 1381 | 1388 | rBV  | 519619 | 914633  | 83.27%  | 11.369% |
| 60 | 10.500 | 1408 | 1410 | 1416 | rVB4 | 835    | 1020    | 0.09%   | 0.013%  |
| 61 | 10.579 | 1416 | 1423 | 1430 | rBV  | 84663  | 147498  | 13.43%  | 1.833%  |
| 62 | 10.701 | 1439 | 1443 | 1450 | rVB3 | 5177   | 9169    | 0.83%   | 0.114%  |
| 63 | 10.860 | 1461 | 1469 | 1474 | rBV2 | 28592  | 53266   | 4.85%   | 0.662%  |
| 64 | 10.921 | 1474 | 1479 | 1493 | rVB  | 186269 | 322690  | 29.38%  | 4.011%  |
| 65 | 11.073 | 1500 | 1504 | 1512 | rVB8 | 2215   | 4072    | 0.37%   | 0.051%  |
| 66 | 11.140 | 1512 | 1515 | 1517 | rVB2 | 372    | 299     | 0.03%   | 0.004%  |
| 67 | 11.164 | 1517 | 1519 | 1525 | rBV4 | 717    | 1100    | 0.10%   | 0.014%  |
| 68 | 11.561 | 1581 | 1584 | 1587 | rBV2 | 314    | 433     | 0.04%   | 0.005%  |
| 69 | 11.628 | 1587 | 1595 | 1608 | rBV  | 446979 | 759357  | 69.13%  | 9.439%  |
| 70 | 11.719 | 1608 | 1610 | 1611 | rBV  | 1331   | 1071    | 0.10%   | 0.013%  |
| 71 | 11.835 | 1623 | 1629 | 1635 | rBV2 | 4104   | 7540    | 0.69%   | 0.094%  |

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 GAQB5

## 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\SOM2WLM103119S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 12.000 | 1653 | 1656 | 1657 | rBV  | 262    | 222    | 0.02%  | 0.003% |
| 73  | 12.012 | 1657 | 1658 | 1661 | rBV2 | 388    | 305    | 0.03%  | 0.004% |
| 74  | 12.122 | 1674 | 1676 | 1678 | rBV3 | 409    | 425    | 0.04%  | 0.005% |
| 75  | 12.225 | 1691 | 1693 | 1697 | rBV2 | 439    | 555    | 0.05%  | 0.007% |
| 76  | 12.292 | 1700 | 1704 | 1706 | rBV2 | 427    | 566    | 0.05%  | 0.007% |
| 77  | 12.335 | 1708 | 1711 | 1715 | rVV5 | 1707   | 2656   | 0.24%  | 0.033% |
| 78  | 12.384 | 1718 | 1719 | 1722 | rVB2 | 509    | 314    | 0.03%  | 0.004% |
| 79  | 12.439 | 1725 | 1728 | 1729 | rBV2 | 448    | 435    | 0.04%  | 0.005% |
| 80  | 12.603 | 1750 | 1755 | 1762 | rVV  | 24279  | 39184  | 3.57%  | 0.487% |
| 81  | 12.689 | 1763 | 1769 | 1777 | rVB  | 248524 | 405292 | 36.90% | 5.038% |
| 82  | 12.768 | 1777 | 1782 | 1791 | rVB6 | 1866   | 4683   | 0.43%  | 0.058% |
| 83  | 12.896 | 1791 | 1803 | 1806 | rBV5 | 2046   | 5048   | 0.46%  | 0.063% |
| 84  | 13.054 | 1825 | 1829 | 1831 | rBV2 | 439    | 436    | 0.04%  | 0.005% |
| 85  | 13.255 | 1856 | 1862 | 1864 | rBV2 | 1604   | 3115   | 0.28%  | 0.039% |
| 86  | 13.402 | 1881 | 1886 | 1891 | rBV7 | 1483   | 2604   | 0.24%  | 0.032% |
| 87  | 13.560 | 1903 | 1912 | 1921 | rBV  | 439930 | 731899 | 66.63% | 9.097% |
| 88  | 13.652 | 1922 | 1927 | 1933 | rVB2 | 7420   | 11754  | 1.07%  | 0.146% |
| 89  | 13.749 | 1941 | 1943 | 1946 | rVB3 | 1037   | 1009   | 0.09%  | 0.013% |
| 90  | 13.780 | 1946 | 1948 | 1951 | rBV3 | 621    | 996    | 0.09%  | 0.012% |
| 91  | 13.853 | 1953 | 1960 | 1969 | rVV  | 423814 | 686934 | 62.54% | 8.538% |
| 92  | 13.920 | 1969 | 1971 | 1974 | rVB4 | 711    | 641    | 0.06%  | 0.008% |
| 93  | 14.072 | 1990 | 1996 | 2003 | rVB3 | 27966  | 48014  | 4.37%  | 0.597% |
| 94  | 14.328 | 2035 | 2038 | 2042 | rVB4 | 3112   | 4017   | 0.37%  | 0.050% |
| 95  | 14.456 | 2058 | 2059 | 2062 | rVB2 | 979    | 562    | 0.05%  | 0.007% |
| 96  | 14.621 | 2081 | 2086 | 2087 | rBV3 | 902    | 1385   | 0.13%  | 0.017% |
| 97  | 14.682 | 2094 | 2096 | 2098 | rBV2 | 714    | 811    | 0.07%  | 0.010% |
| 98  | 14.987 | 2144 | 2146 | 2147 | rBV  | 517    | 325    | 0.03%  | 0.004% |
| 99  | 15.030 | 2151 | 2153 | 2156 | rBV2 | 884    | 641    | 0.06%  | 0.008% |
| 100 | 15.499 | 2225 | 2230 | 2236 | rVB  | 7186   | 11941  | 1.09%  | 0.148% |

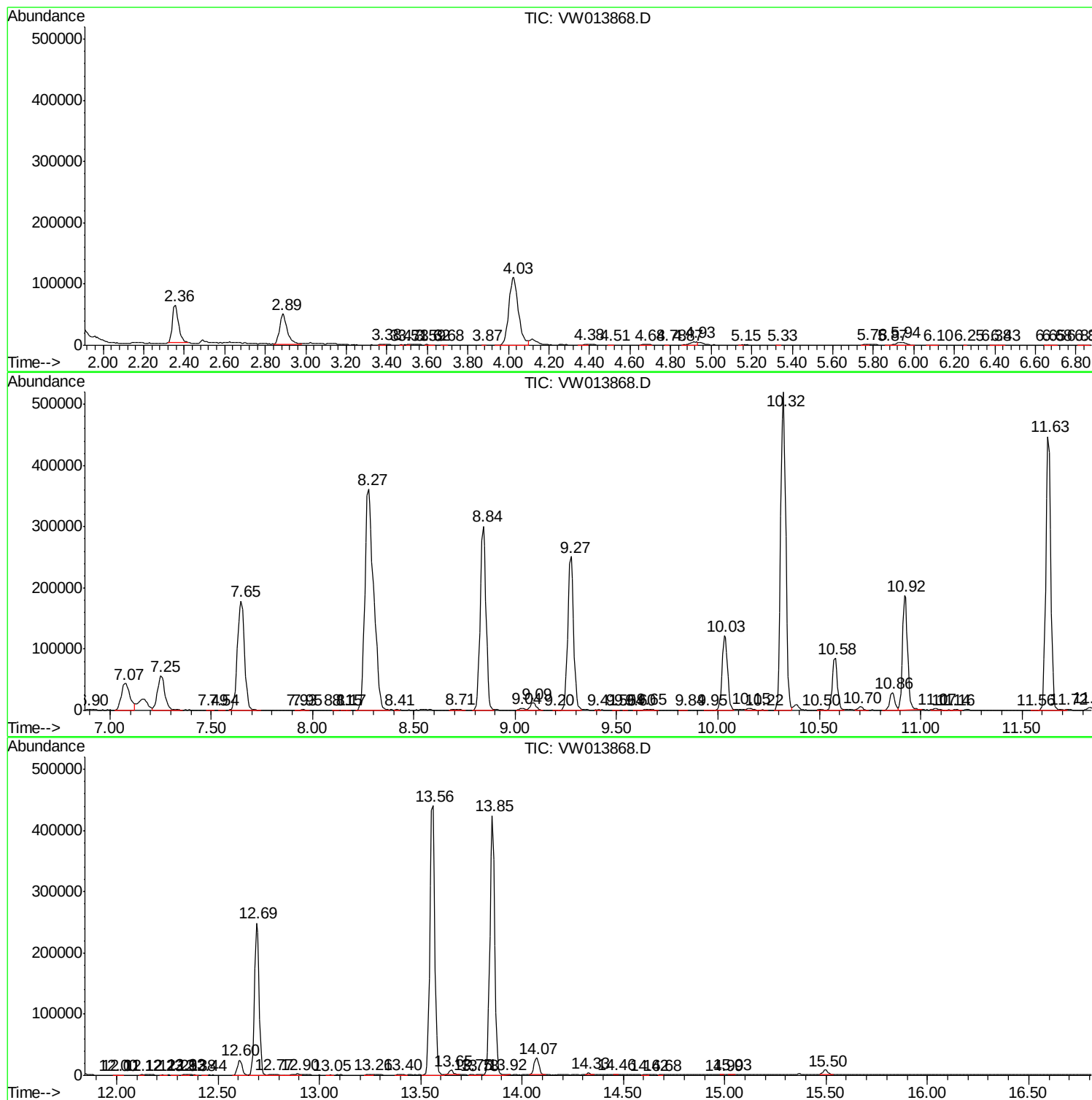
Sum of corrected areas: 8045163

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM103119S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW103119\  
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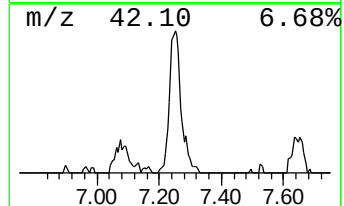
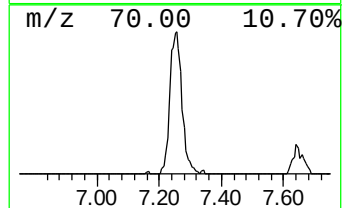
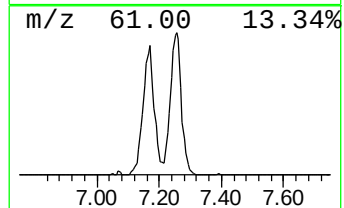
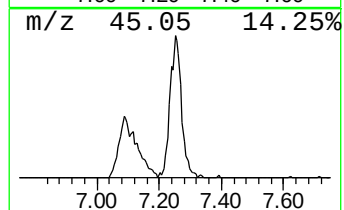
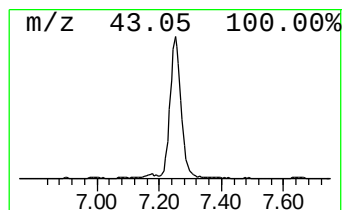
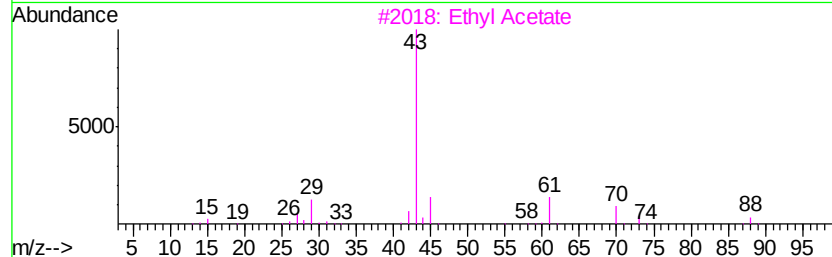
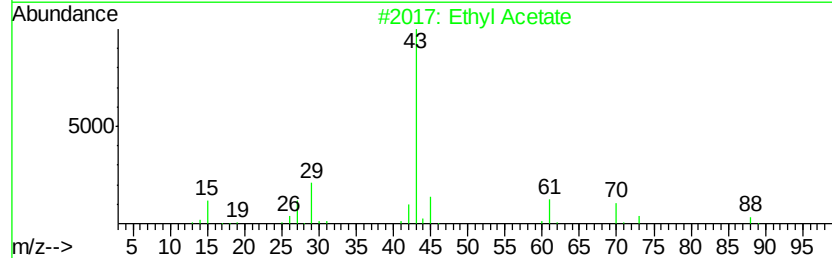
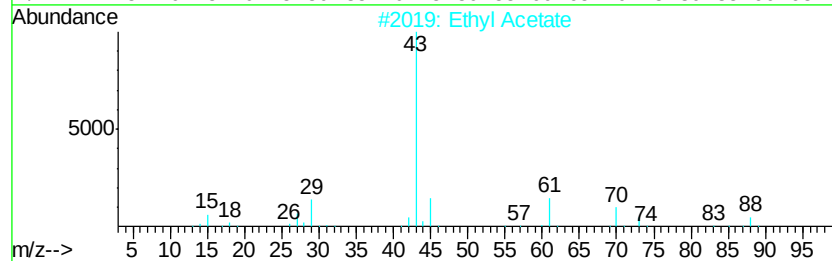
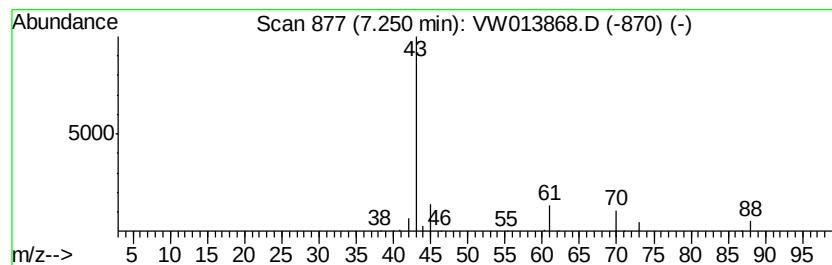
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM103119S.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Ethyl Acetate Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 7.25 | 6.01 ug/L | 142910 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------|----|---------|-------------|------|
| 1    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 2    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 3    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 4    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 59   |
| 5    |    |   | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 53   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Ethyl Acetate    | 7.25 | 6.0     | ug/L  | 142910   | 1                     | 8.84 | 594417 | 25.0 |