

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072820\  
 Data File : VW015981.D  
 Acq On : 28 Jul 2020 14:05  
 Operator : SY/VA  
 Sample : L3458-13  
 Misc : 5.11G/10ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAY39

## 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\SOM2WLM072020S.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         | 2.361       | 68            | 75          | 86           | rVB      | 105737         | 210464        | 13.10%          | 1.627%        |
| 2         | 2.897       | 155           | 163         | 173          | rBV      | 75787          | 184453        | 11.48%          | 1.426%        |
| 3         | 3.830       | 314           | 316         | 318          | rBV2     | 384            | 336           | 0.02%           | 0.003%        |
| 4         | 4.013       | 335           | 346         | 359          | rBV      | 192732         | 563099        | 35.06%          | 4.353%        |
| 5         | 4.129       | 361           | 365         | 375          | rVB      | 9560           | 22918         | 1.43%           | 0.177%        |
| 6         | 4.269       | 386           | 388         | 394          | rVB4     | 528            | 748           | 0.05%           | 0.006%        |
| 7         | 4.397       | 398           | 409         | 421          | rBV4     | 5344           | 17761         | 1.11%           | 0.137%        |
| 8         | 4.507       | 425           | 427         | 431          | rVB      | 383            | 355           | 0.02%           | 0.003%        |
| 9         | 4.543       | 431           | 433         | 434          | rBV2     | 325            | 287           | 0.02%           | 0.002%        |
| 10        | 4.568       | 434           | 437         | 438          | rVB2     | 305            | 275           | 0.02%           | 0.002%        |
| 11        | 4.677       | 449           | 455         | 463          | rBV3     | 1383           | 3404          | 0.21%           | 0.026%        |
| 12        | 4.769       | 469           | 470         | 475          | rVB2     | 280            | 361           | 0.02%           | 0.003%        |
| 13        | 4.915       | 484           | 494         | 509          | rBV2     | 14245          | 48793         | 3.04%           | 0.377%        |
| 14        | 5.196       | 538           | 540         | 544          | rVB3     | 447            | 572           | 0.04%           | 0.004%        |
| 15        | 5.403       | 572           | 574         | 577          | rBV2     | 300            | 380           | 0.02%           | 0.003%        |
| 16        | 5.787       | 630           | 637         | 646          | rBV5     | 882            | 2971          | 0.18%           | 0.023%        |
| 17        | 5.945       | 654           | 663         | 672          | rVB4     | 2603           | 7647          | 0.48%           | 0.059%        |
| 18        | 6.110       | 688           | 690         | 692          | rBV2     | 298            | 418           | 0.03%           | 0.003%        |
| 19        | 6.330       | 724           | 726         | 731          | rVB2     | 174            | 276           | 0.02%           | 0.002%        |
| 20        | 6.915       | 813           | 822         | 828          | rBV6     | 1240           | 4278          | 0.27%           | 0.033%        |
| 21        | 6.976       | 828           | 832         | 834          | rBV3     | 283            | 427           | 0.03%           | 0.003%        |
| 22        | 7.085       | 840           | 850         | 857          | rBV      | 55664          | 155687        | 9.69%           | 1.204%        |
| 23        | 7.262       | 871           | 879         | 890          | rVB      | 29616          | 74727         | 4.65%           | 0.578%        |
| 24        | 7.652       | 933           | 943         | 956          | rVV      | 272815         | 656794        | 40.89%          | 5.078%        |
| 25        | 7.823       | 968           | 971         | 974          | rBV      | 213            | 300           | 0.02%           | 0.002%        |
| 26        | 7.848       | 974           | 975         | 978          | rVB2     | 321            | 293           | 0.02%           | 0.002%        |
| 27        | 7.951       | 990           | 992         | 1001         | rVV5     | 1240           | 2183          | 0.14%           | 0.017%        |
| 28        | 8.280       | 1035          | 1046        | 1061         | rBV2     | 548416         | 1606157       | 100.00%         | 12.418%       |
| 29        | 8.421       | 1068          | 1069        | 1072         | rVB2     | 476            | 394           | 0.02%           | 0.003%        |
| 30        | 8.561       | 1083          | 1092        | 1097         | rVV4     | 2011           | 5062          | 0.32%           | 0.039%        |
| 31        | 8.707       | 1107          | 1116        | 1121         | rBV6     | 1599           | 4283          | 0.27%           | 0.033%        |
| 32        | 8.847       | 1129          | 1139        | 1151         | rBV      | 543427         | 1067741       | 66.48%          | 8.255%        |
| 33        | 9.049       | 1165          | 1172        | 1173         | rBV3     | 1696           | 3478          | 0.22%           | 0.027%        |
| 34        | 9.091       | 1173          | 1179        | 1189         | rVB4     | 17956          | 39544         | 2.46%           | 0.306%        |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 9.280  | 1198 | 1210 | 1227 | rBV  | 369510 | 755849  | 47.06% | 5.844%  |
| 36 | 9.414  | 1227 | 1232 | 1243 | rVB2 | 3085   | 6555    | 0.41%  | 0.051%  |
| 37 | 9.664  | 1269 | 1273 | 1281 | rVB5 | 1907   | 3724    | 0.23%  | 0.029%  |
| 38 | 9.762  | 1286 | 1289 | 1293 | rBV2 | 246    | 399     | 0.02%  | 0.003%  |
| 39 | 9.884  | 1307 | 1309 | 1313 | rVB  | 182    | 269     | 0.02%  | 0.002%  |
| 40 | 9.957  | 1317 | 1321 | 1322 | rBV2 | 327    | 273     | 0.02%  | 0.002%  |
| 41 | 10.042 | 1326 | 1335 | 1346 | rBV  | 193379 | 359490  | 22.38% | 2.779%  |
| 42 | 10.122 | 1346 | 1348 | 1349 | rVV2 | 1262   | 1225    | 0.08%  | 0.009%  |
| 43 | 10.164 | 1352 | 1355 | 1362 | rVB4 | 1936   | 3289    | 0.20%  | 0.025%  |
| 44 | 10.329 | 1373 | 1382 | 1389 | rBV  | 765025 | 1333968 | 83.05% | 10.313% |
| 45 | 10.493 | 1406 | 1409 | 1410 | rBV3 | 438    | 363     | 0.02%  | 0.003%  |
| 46 | 10.506 | 1410 | 1411 | 1416 | rVB4 | 417    | 470     | 0.03%  | 0.004%  |
| 47 | 10.579 | 1416 | 1423 | 1436 | rBV  | 132480 | 232313  | 14.46% | 1.796%  |
| 48 | 10.707 | 1437 | 1444 | 1453 | rVB2 | 172177 | 315923  | 19.67% | 2.442%  |
| 49 | 10.926 | 1473 | 1480 | 1496 | rBV  | 226662 | 382086  | 23.79% | 2.954%  |
| 50 | 11.079 | 1499 | 1505 | 1516 | rVB2 | 9604   | 17257   | 1.07%  | 0.133%  |
| 51 | 11.347 | 1547 | 1549 | 1551 | rVB2 | 415    | 327     | 0.02%  | 0.003%  |
| 52 | 11.377 | 1551 | 1554 | 1555 | rBV  | 365    | 409     | 0.03%  | 0.003%  |
| 53 | 11.390 | 1555 | 1556 | 1559 | rBV2 | 280    | 291     | 0.02%  | 0.002%  |
| 54 | 11.451 | 1563 | 1566 | 1567 | rBV  | 429    | 334     | 0.02%  | 0.003%  |
| 55 | 11.505 | 1574 | 1575 | 1580 | rVB3 | 340    | 309     | 0.02%  | 0.002%  |
| 56 | 11.572 | 1582 | 1586 | 1588 | rVB2 | 314    | 446     | 0.03%  | 0.003%  |
| 57 | 11.633 | 1588 | 1596 | 1606 | rBV  | 768701 | 1281369 | 79.78% | 9.907%  |
| 58 | 11.841 | 1623 | 1630 | 1635 | rBV6 | 2695   | 5745    | 0.36%  | 0.044%  |
| 59 | 11.950 | 1642 | 1648 | 1650 | rBV3 | 840    | 1235    | 0.08%  | 0.010%  |
| 60 | 12.097 | 1669 | 1672 | 1675 | rVB3 | 346    | 409     | 0.03%  | 0.003%  |
| 61 | 12.170 | 1678 | 1684 | 1688 | rVV4 | 1001   | 1844    | 0.11%  | 0.014%  |
| 62 | 12.225 | 1690 | 1693 | 1695 | rBV2 | 213    | 264     | 0.02%  | 0.002%  |
| 63 | 12.347 | 1707 | 1713 | 1718 | rBV2 | 3138   | 5631    | 0.35%  | 0.044%  |
| 64 | 12.469 | 1730 | 1733 | 1735 | rBV  | 399    | 407     | 0.03%  | 0.003%  |
| 65 | 12.517 | 1738 | 1741 | 1744 | rVB4 | 353    | 497     | 0.03%  | 0.004%  |
| 66 | 12.560 | 1744 | 1748 | 1749 | rBV4 | 328    | 442     | 0.03%  | 0.003%  |
| 67 | 12.615 | 1749 | 1757 | 1763 | rBV  | 305266 | 500780  | 31.18% | 3.872%  |
| 68 | 12.694 | 1763 | 1770 | 1778 | rVB  | 321035 | 513850  | 31.99% | 3.973%  |
| 69 | 12.798 | 1786 | 1787 | 1791 | rBV2 | 241    | 368     | 0.02%  | 0.003%  |
| 70 | 12.877 | 1798 | 1800 | 1801 | rVV  | 422    | 386     | 0.02%  | 0.003%  |
| 71 | 12.895 | 1801 | 1803 | 1806 | rVV2 | 824    | 1216    | 0.08%  | 0.009%  |

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 Smoothing : OFF  
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 Start Thrs: 0.2  
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Filtering: 5  
 Min Area: 0 % of largest Peak  
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 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 12.932 | 1806 | 1809 | 1820 | rVB5 | 2552   | 5262    | 0.33%  | 0.041% |
| 73  | 13.054 | 1824 | 1829 | 1832 | rVB4 | 664    | 1016    | 0.06%  | 0.008% |
| 74  | 13.084 | 1832 | 1834 | 1835 | rBV  | 286    | 277     | 0.02%  | 0.002% |
| 75  | 13.151 | 1844 | 1845 | 1847 | rBV  | 248    | 257     | 0.02%  | 0.002% |
| 76  | 13.170 | 1847 | 1848 | 1849 | rVV  | 458    | 263     | 0.02%  | 0.002% |
| 77  | 13.200 | 1849 | 1853 | 1857 | rVV4 | 1032   | 1416    | 0.09%  | 0.011% |
| 78  | 13.279 | 1857 | 1866 | 1875 | rVB6 | 4107   | 10996   | 0.68%  | 0.085% |
| 79  | 13.401 | 1878 | 1886 | 1894 | rBV4 | 5059   | 9794    | 0.61%  | 0.076% |
| 80  | 13.493 | 1900 | 1901 | 1903 | rBV2 | 519    | 388     | 0.02%  | 0.003% |
| 81  | 13.560 | 1905 | 1912 | 1923 | rBV  | 719843 | 1130502 | 70.39% | 8.740% |
| 82  | 13.651 | 1923 | 1927 | 1936 | rVB2 | 15360  | 25093   | 1.56%  | 0.194% |
| 83  | 13.761 | 1939 | 1945 | 1946 | rBV4 | 784    | 1111    | 0.07%  | 0.009% |
| 84  | 13.859 | 1953 | 1961 | 1970 | rBV  | 632885 | 1053955 | 65.62% | 8.148% |
| 85  | 13.950 | 1975 | 1976 | 1981 | rVB4 | 499    | 669     | 0.04%  | 0.005% |
| 86  | 14.072 | 1984 | 1996 | 2006 | rBV2 | 119047 | 196017  | 12.20% | 1.515% |
| 87  | 14.334 | 2033 | 2039 | 2043 | rBV2 | 5328   | 9210    | 0.57%  | 0.071% |
| 88  | 14.365 | 2043 | 2044 | 2046 | rVB2 | 446    | 317     | 0.02%  | 0.002% |
| 89  | 14.389 | 2046 | 2048 | 2050 | rBV2 | 416    | 311     | 0.02%  | 0.002% |
| 90  | 14.499 | 2064 | 2066 | 2068 | rVV  | 570    | 704     | 0.04%  | 0.005% |
| 91  | 14.529 | 2068 | 2071 | 2074 | rVB3 | 1128   | 1714    | 0.11%  | 0.013% |
| 92  | 14.633 | 2083 | 2088 | 2090 | rBV5 | 519    | 869     | 0.05%  | 0.007% |
| 93  | 14.724 | 2099 | 2103 | 2105 | rBV3 | 949    | 1151    | 0.07%  | 0.009% |
| 94  | 14.785 | 2111 | 2113 | 2117 | rVB2 | 339    | 269     | 0.02%  | 0.002% |
| 95  | 15.017 | 2149 | 2151 | 2153 | rBV3 | 377    | 332     | 0.02%  | 0.003% |
| 96  | 15.188 | 2175 | 2179 | 2181 | rBV3 | 618    | 804     | 0.05%  | 0.006% |
| 97  | 15.499 | 2223 | 2230 | 2238 | rBV  | 36092  | 63667   | 3.96%  | 0.492% |
| 98  | 16.169 | 2339 | 2340 | 2343 | rBV3 | 416    | 296     | 0.02%  | 0.002% |
| 99  | 16.218 | 2346 | 2348 | 2349 | rVB2 | 578    | 303     | 0.02%  | 0.002% |
| 100 | 16.248 | 2351 | 2353 | 2356 | rBV3 | 492    | 693     | 0.04%  | 0.005% |

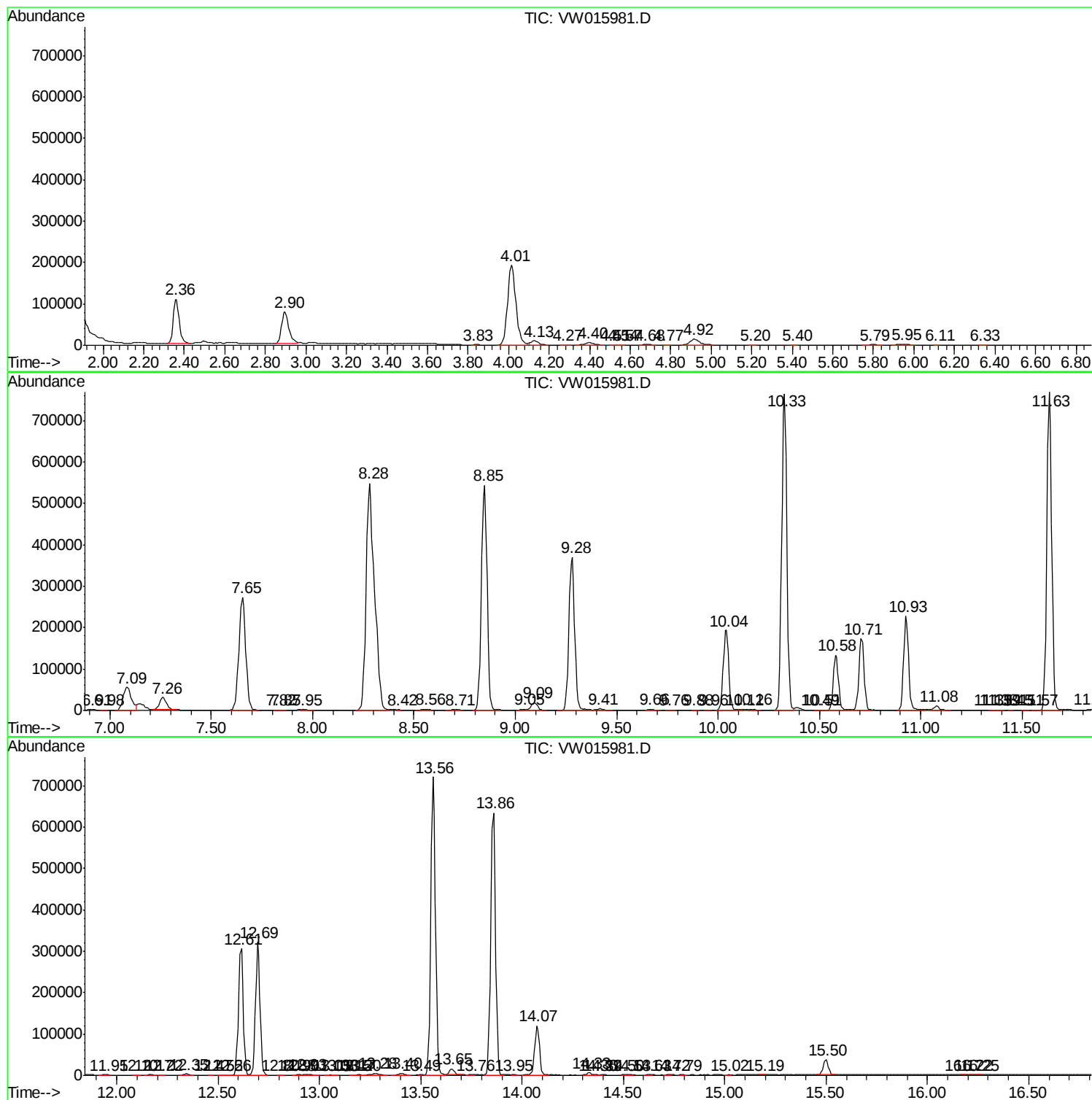
Sum of corrected areas: 12934534

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072820\  
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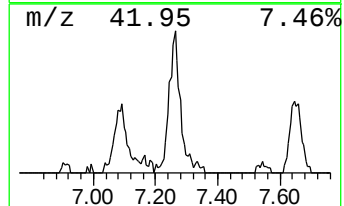
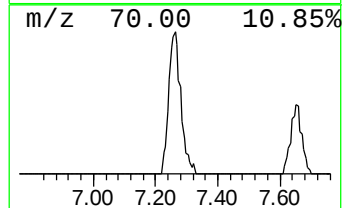
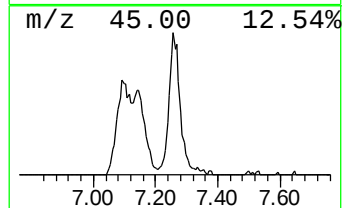
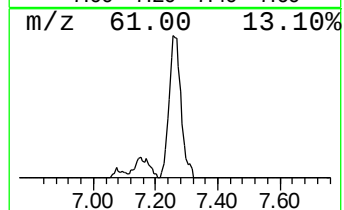
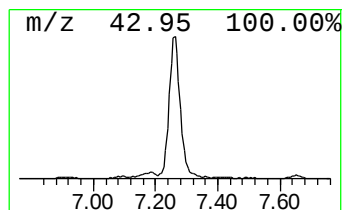
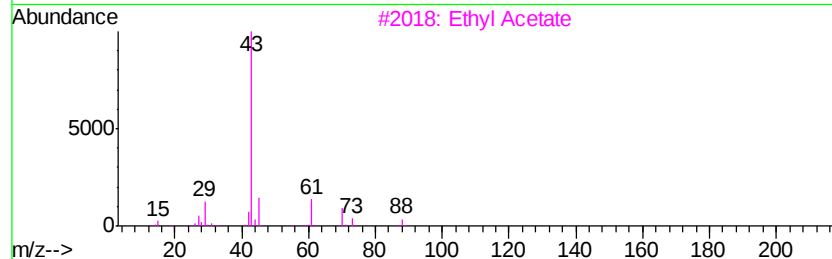
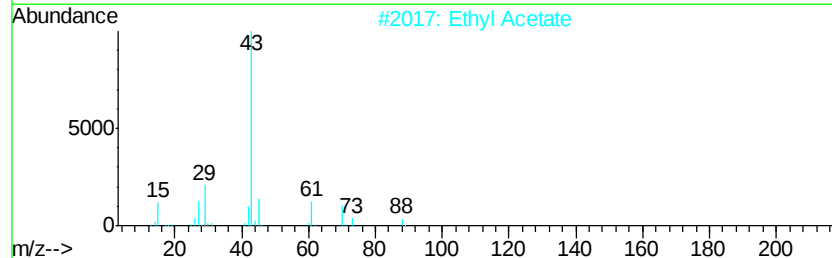
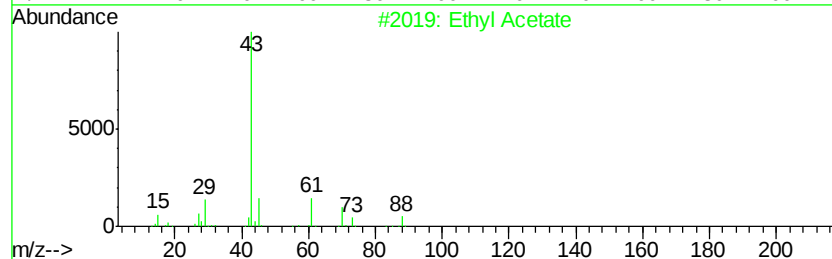
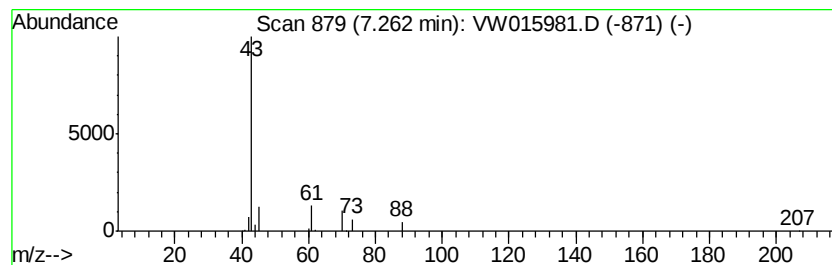
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Ethyl Acetate Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 7.26 | 1.75 ug/L | 74727 | 1,4-Difluorobenzene | 8.85 |

| Hit# | of | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|-----------------|----|---------|-------------|------|
| 1    | 5  | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 2    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 3    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 4    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 64   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 40   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| Ethyl Acetate    | 7.26 | 1.8     | ug/L  | 74727    | 1                     | 8.85 | 1067740 | 25.0 |