

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW103119\  
 Data File : VW013883.D  
 Acq On : 01 Nov 2019 06:03  
 Operator : SY/VA  
 Sample : K5552-19  
 Misc : 5.43G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQD0

## 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<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         | 2.355       | 68            | 74          | 84           | rBV      | 107637         | 209551        | 13.48%          | 1.965%        |
| 2         | 2.892       | 154           | 162         | 173          | rBV      | 73505          | 182179        | 11.72%          | 1.708%        |
| 3         | 3.026       | 180           | 184         | 192          | rVB4     | 8305           | 16876         | 1.09%           | 0.158%        |
| 4         | 3.385       | 235           | 243         | 253          | rBV4     | 5891           | 15846         | 1.02%           | 0.149%        |
| 5         | 3.623       | 280           | 282         | 285          | rBB2     | 222            | 243           | 0.02%           | 0.002%        |
| 6         | 3.666       | 287           | 289         | 290          | rBV2     | 575            | 408           | 0.03%           | 0.004%        |
| 7         | 3.836       | 315           | 317         | 319          | rVB      | 339            | 273           | 0.02%           | 0.003%        |
| 8         | 4.019       | 334           | 347         | 359          | rBV      | 168929         | 536282        | 34.49%          | 5.029%        |
| 9         | 4.385       | 399           | 407         | 411          | rBV5     | 1815           | 4039          | 0.26%           | 0.038%        |
| 10        | 4.464       | 418           | 420         | 422          | rBV2     | 227            | 241           | 0.02%           | 0.002%        |
| 11        | 4.672       | 444           | 454         | 455          | rBV3     | 838            | 1570          | 0.10%           | 0.015%        |
| 12        | 4.916       | 484           | 494         | 514          | rVV4     | 18275          | 76048         | 4.89%           | 0.713%        |
| 13        | 5.098       | 523           | 524         | 526          | rBV      | 305            | 233           | 0.01%           | 0.002%        |
| 14        | 5.348       | 563           | 565         | 566          | rBV      | 434            | 339           | 0.02%           | 0.003%        |
| 15        | 5.422       | 570           | 577         | 578          | rBV4     | 1482           | 2064          | 0.13%           | 0.019%        |
| 16        | 5.489       | 587           | 588         | 592          | rBV2     | 293            | 391           | 0.03%           | 0.004%        |
| 17        | 5.556       | 597           | 599         | 600          | rVV      | 365            | 262           | 0.02%           | 0.002%        |
| 18        | 5.598       | 603           | 606         | 608          | rBV2     | 188            | 226           | 0.01%           | 0.002%        |
| 19        | 5.940       | 652           | 662         | 673          | rVV4     | 5355           | 16395         | 1.05%           | 0.154%        |
| 20        | 6.062       | 679           | 682         | 683          | rBV      | 371            | 272           | 0.02%           | 0.003%        |
| 21        | 6.495       | 752           | 753         | 755          | rBV      | 335            | 244           | 0.02%           | 0.002%        |
| 22        | 6.574       | 763           | 766         | 768          | rBV2     | 220            | 262           | 0.02%           | 0.002%        |
| 23        | 6.665       | 778           | 781         | 782          | rBV      | 255            | 244           | 0.02%           | 0.002%        |
| 24        | 6.860       | 810           | 813         | 815          | rBV2     | 515            | 618           | 0.04%           | 0.006%        |
| 25        | 6.903       | 815           | 820         | 822          | rVV3     | 890            | 1567          | 0.10%           | 0.015%        |
| 26        | 6.964       | 827           | 830         | 831          | rBV2     | 1107           | 1296          | 0.08%           | 0.012%        |
| 27        | 7.074       | 840           | 848         | 868          | rBV2     | 43362          | 140769        | 9.05%           | 1.320%        |
| 28        | 7.257       | 870           | 878         | 891          | rVB      | 25675          | 66204         | 4.26%           | 0.621%        |
| 29        | 7.379       | 896           | 898         | 904          | rBV3     | 436            | 715           | 0.05%           | 0.007%        |
| 30        | 7.647       | 931           | 942         | 957          | rVV      | 249959         | 614388        | 39.51%          | 5.761%        |
| 31        | 7.885       | 978           | 981         | 982          | rBV      | 323            | 230           | 0.01%           | 0.002%        |
| 32        | 7.921       | 982           | 987         | 989          | rBV3     | 2558           | 4266          | 0.27%           | 0.040%        |
| 33        | 8.025       | 1001          | 1004        | 1005         | rBV3     | 555            | 550           | 0.04%           | 0.005%        |
| 34        | 8.153       | 1013          | 1025        | 1033         | rVB5     | 2375           | 5847          | 0.38%           | 0.055%        |

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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 | 8.275  | 1033 | 1045 | 1065 | rBV2 | 538316 | 1554940 | 100.00% | 14.580% |
| 36 | 8.470  | 1076 | 1077 | 1080 | rBV2 | 385    | 396     | 0.03%   | 0.004%  |
| 37 | 8.689  | 1106 | 1113 | 1123 | rBV2 | 6631   | 13129   | 0.84%   | 0.123%  |
| 38 | 8.842  | 1129 | 1138 | 1152 | rVV  | 360247 | 693656  | 44.61%  | 6.504%  |
| 39 | 8.982  | 1158 | 1161 | 1164 | rVB2 | 302    | 316     | 0.02%   | 0.003%  |
| 40 | 9.037  | 1164 | 1170 | 1173 | rBV3 | 3172   | 5414    | 0.35%   | 0.051%  |
| 41 | 9.153  | 1187 | 1189 | 1192 | rBV  | 269    | 301     | 0.02%   | 0.003%  |
| 42 | 9.275  | 1201 | 1209 | 1216 | rBV  | 350463 | 708873  | 45.59%  | 6.647%  |
| 43 | 9.518  | 1245 | 1249 | 1253 | rVB2 | 876    | 1170    | 0.08%   | 0.011%  |
| 44 | 9.592  | 1258 | 1261 | 1262 | rVV2 | 313    | 358     | 0.02%   | 0.003%  |
| 45 | 9.652  | 1266 | 1271 | 1281 | rVB6 | 1526   | 3738    | 0.24%   | 0.035%  |
| 46 | 9.902  | 1309 | 1312 | 1314 | rVB2 | 401    | 414     | 0.03%   | 0.004%  |
| 47 | 9.957  | 1315 | 1321 | 1325 | rBV3 | 2552   | 4006    | 0.26%   | 0.038%  |
| 48 | 10.037 | 1327 | 1334 | 1341 | rBV  | 180769 | 324537  | 20.87%  | 3.043%  |
| 49 | 10.207 | 1360 | 1362 | 1365 | rVB3 | 549    | 605     | 0.04%   | 0.006%  |
| 50 | 10.323 | 1372 | 1381 | 1388 | rBV  | 776822 | 1359398 | 87.42%  | 12.747% |
| 51 | 10.390 | 1388 | 1392 | 1399 | rVB  | 32900  | 55715   | 3.58%   | 0.522%  |
| 52 | 10.506 | 1405 | 1411 | 1416 | rVB5 | 6958   | 11852   | 0.76%   | 0.111%  |
| 53 | 10.579 | 1416 | 1423 | 1433 | rBV  | 115662 | 202575  | 13.03%  | 1.899%  |
| 54 | 10.701 | 1440 | 1443 | 1449 | rVB  | 8098   | 10755   | 0.69%   | 0.101%  |
| 55 | 10.750 | 1449 | 1451 | 1455 | rVV3 | 868    | 1124    | 0.07%   | 0.011%  |
| 56 | 10.799 | 1458 | 1459 | 1462 | rVB  | 431    | 294     | 0.02%   | 0.003%  |
| 57 | 10.927 | 1473 | 1480 | 1496 | rBV  | 180892 | 311270  | 20.02%  | 2.919%  |
| 58 | 11.171 | 1518 | 1520 | 1526 | rVB3 | 1884   | 3035    | 0.20%   | 0.028%  |
| 59 | 11.219 | 1526 | 1528 | 1536 | rBV5 | 1401   | 2322    | 0.15%   | 0.022%  |
| 60 | 11.323 | 1541 | 1545 | 1546 | rBV2 | 632    | 684     | 0.04%   | 0.006%  |
| 61 | 11.408 | 1556 | 1559 | 1568 | rVB6 | 2155   | 4311    | 0.28%   | 0.040%  |
| 62 | 11.518 | 1571 | 1577 | 1580 | rVB5 | 1312   | 1944    | 0.13%   | 0.018%  |
| 63 | 11.628 | 1587 | 1595 | 1605 | rBV  | 515053 | 872427  | 56.11%  | 8.181%  |
| 64 | 11.731 | 1607 | 1612 | 1620 | rVB2 | 14403  | 24816   | 1.60%   | 0.233%  |
| 65 | 11.835 | 1620 | 1629 | 1638 | rBV3 | 21859  | 45178   | 2.91%   | 0.424%  |
| 66 | 12.024 | 1658 | 1660 | 1662 | rVB2 | 534    | 322     | 0.02%   | 0.003%  |
| 67 | 12.042 | 1662 | 1663 | 1665 | rBV  | 392    | 376     | 0.02%   | 0.004%  |
| 68 | 12.164 | 1673 | 1683 | 1691 | rBV3 | 7077   | 13034   | 0.84%   | 0.122%  |
| 69 | 12.256 | 1691 | 1698 | 1701 | rBV3 | 977    | 1680    | 0.11%   | 0.016%  |
| 70 | 12.292 | 1703 | 1704 | 1707 | rVB  | 361    | 245     | 0.02%   | 0.002%  |
| 71 | 12.341 | 1709 | 1712 | 1714 | rBV3 | 913    | 1189    | 0.08%   | 0.011%  |

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 GAQD0

## 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  | 12.506 | 1737 | 1739 | 1744 | rBV3 | 493    | 795     | 0.05%  | 0.007% |
| 73  | 12.542 | 1744 | 1745 | 1747 | rVV2 | 416    | 342     | 0.02%  | 0.003% |
| 74  | 12.609 | 1750 | 1756 | 1762 | rVV2 | 22927  | 36850   | 2.37%  | 0.346% |
| 75  | 12.689 | 1762 | 1769 | 1777 | rVV  | 265368 | 433057  | 27.85% | 4.061% |
| 76  | 12.804 | 1785 | 1788 | 1792 | rVB2 | 1645   | 2344    | 0.15%  | 0.022% |
| 77  | 12.865 | 1793 | 1798 | 1800 | rBV2 | 2930   | 3993    | 0.26%  | 0.037% |
| 78  | 12.938 | 1806 | 1810 | 1816 | rVB3 | 6820   | 11566   | 0.74%  | 0.108% |
| 79  | 13.054 | 1827 | 1829 | 1831 | rBV2 | 416    | 500     | 0.03%  | 0.005% |
| 80  | 13.097 | 1834 | 1836 | 1838 | rBV2 | 770    | 817     | 0.05%  | 0.008% |
| 81  | 13.158 | 1843 | 1846 | 1847 | rBV2 | 590    | 618     | 0.04%  | 0.006% |
| 82  | 13.249 | 1855 | 1861 | 1866 | rBV2 | 9086   | 16082   | 1.03%  | 0.151% |
| 83  | 13.365 | 1878 | 1880 | 1882 | rBV3 | 715    | 703     | 0.05%  | 0.007% |
| 84  | 13.396 | 1883 | 1885 | 1890 | rVB3 | 1696   | 2097    | 0.13%  | 0.020% |
| 85  | 13.487 | 1897 | 1900 | 1903 | rVB4 | 814    | 979     | 0.06%  | 0.009% |
| 86  | 13.554 | 1904 | 1911 | 1920 | rVV  | 556651 | 914661  | 58.82% | 8.577% |
| 87  | 13.621 | 1920 | 1922 | 1923 | rVV2 | 1116   | 954     | 0.06%  | 0.009% |
| 88  | 13.652 | 1923 | 1927 | 1933 | rVB2 | 9102   | 14559   | 0.94%  | 0.137% |
| 89  | 13.755 | 1939 | 1944 | 1947 | rBV4 | 1204   | 2174    | 0.14%  | 0.020% |
| 90  | 13.786 | 1947 | 1949 | 1953 | rVV3 | 1141   | 1429    | 0.09%  | 0.013% |
| 91  | 13.853 | 1953 | 1960 | 1970 | rVB  | 630524 | 1021338 | 65.68% | 9.577% |
| 92  | 14.005 | 1983 | 1985 | 1986 | rBV2 | 629    | 454     | 0.03%  | 0.004% |
| 93  | 14.072 | 1990 | 1996 | 2004 | rVV2 | 23994  | 42242   | 2.72%  | 0.396% |
| 94  | 14.152 | 2007 | 2009 | 2012 | rVB2 | 836    | 537     | 0.03%  | 0.005% |
| 95  | 14.322 | 2033 | 2037 | 2043 | rBV5 | 3273   | 5566    | 0.36%  | 0.052% |
| 96  | 14.524 | 2065 | 2070 | 2075 | rBV4 | 1577   | 2634    | 0.17%  | 0.025% |
| 97  | 14.603 | 2081 | 2083 | 2084 | rBV  | 418    | 234     | 0.02%  | 0.002% |
| 98  | 14.658 | 2090 | 2092 | 2093 | rBV  | 592    | 357     | 0.02%  | 0.003% |
| 99  | 14.804 | 2110 | 2116 | 2117 | rBV4 | 1119   | 1920    | 0.12%  | 0.018% |
| 100 | 15.493 | 2226 | 2229 | 2238 | rVB3 | 4003   | 7544    | 0.49%  | 0.071% |

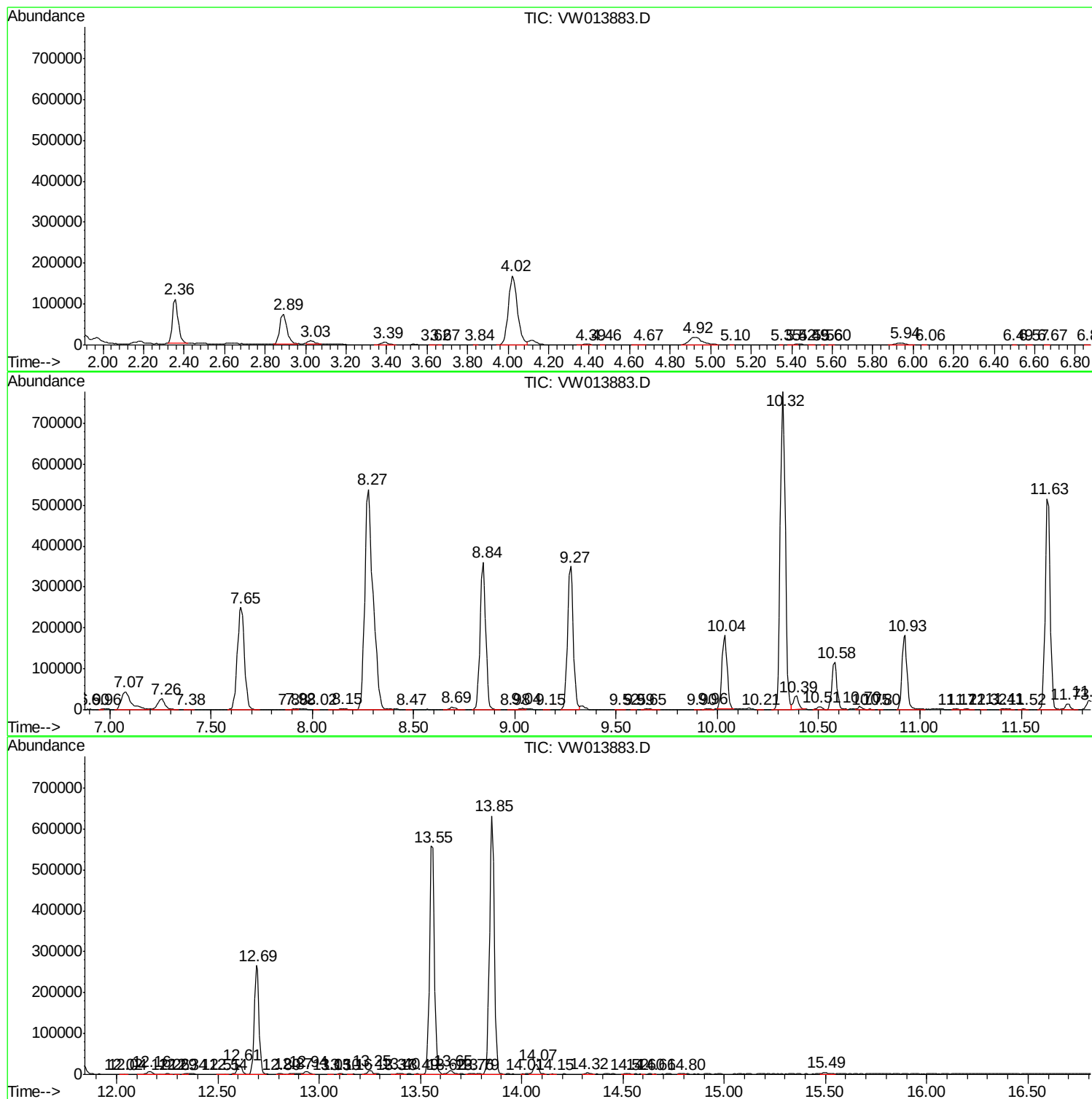
Sum of corrected areas: 10664683

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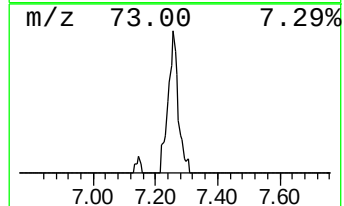
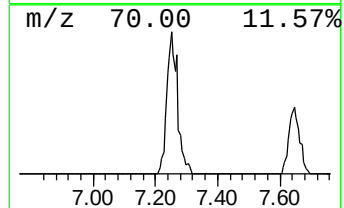
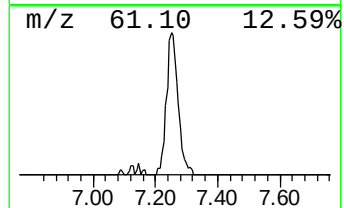
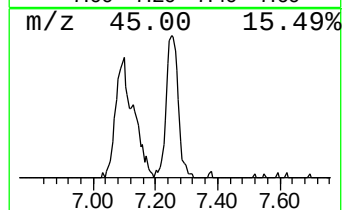
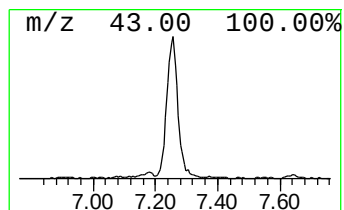
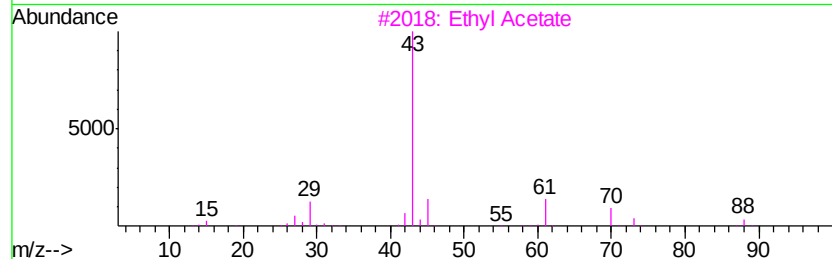
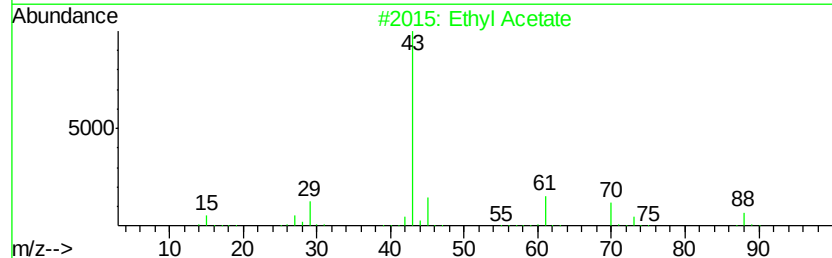
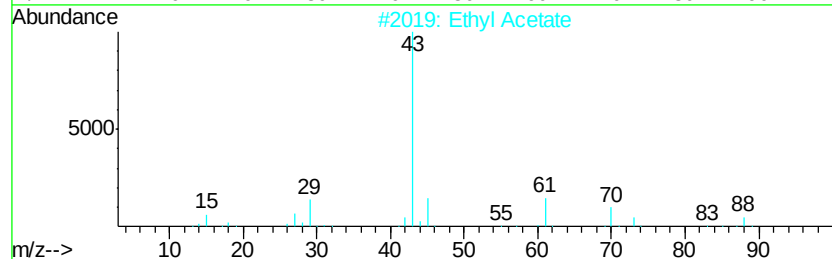
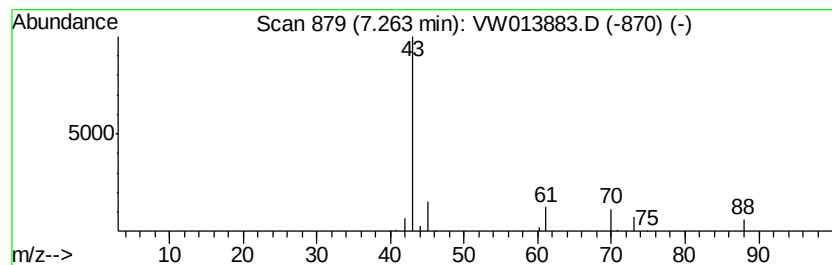
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM103119S.M  
Quant Title : VOC Analysis

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. |
|------|-----------|-------|---------------------|------|
| 7.26 | 2.39 ug/L | 66204 | 1,4-Difluorobenzene | 8.84 |

| 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 | 45   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Ethyl Acetate    | 7.26 | 2.4     | ug/L  | 66204    | 1                     | 8.84 | 693656 | 25.0 |