

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW103119\  
 Data File : VW013865.D  
 Acq On : 31 Oct 2019 18:38  
 Operator : SY/VA  
 Sample : K5596-11  
 Misc : 5.30G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQB2

## 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          | 86           | rVB      | 69788          | 140448        | 11.64%          | 1.496%        |
| 2         | 2.495       | 92            | 97          | 107          | rBV      | 24673          | 57229         | 4.74%           | 0.609%        |
| 3         | 2.885       | 154           | 161         | 176          | rBV      | 49587          | 130178        | 10.79%          | 1.386%        |
| 4         | 3.324       | 231           | 233         | 235          | rVB2     | 459            | 320           | 0.03%           | 0.003%        |
| 5         | 3.373       | 239           | 241         | 243          | rVV      | 595            | 490           | 0.04%           | 0.005%        |
| 6         | 3.477       | 255           | 258         | 260          | rBV3     | 352            | 416           | 0.03%           | 0.004%        |
| 7         | 3.824       | 311           | 315         | 317          | rBV2     | 345            | 372           | 0.03%           | 0.004%        |
| 8         | 4.025       | 335           | 348         | 358          | rBV      | 120819         | 401350        | 33.26%          | 4.274%        |
| 9         | 4.269       | 385           | 388         | 389          | rBV2     | 1473           | 1410          | 0.12%           | 0.015%        |
| 10        | 4.385       | 402           | 407         | 408          | rBV2     | 1667           | 2207          | 0.18%           | 0.024%        |
| 11        | 4.617       | 443           | 445         | 446          | rBV      | 496            | 262           | 0.02%           | 0.003%        |
| 12        | 4.629       | 446           | 447         | 449          | rBV      | 586            | 335           | 0.03%           | 0.004%        |
| 13        | 4.672       | 449           | 454         | 455          | rBV2     | 1389           | 2067          | 0.17%           | 0.022%        |
| 14        | 4.934       | 486           | 497         | 506          | rBV7     | 4610           | 17746         | 1.47%           | 0.189%        |
| 15        | 5.135       | 527           | 530         | 531          | rVV2     | 541            | 513           | 0.04%           | 0.005%        |
| 16        | 5.153       | 531           | 533         | 544          | rVB4     | 1052           | 2398          | 0.20%           | 0.026%        |
| 17        | 5.300       | 553           | 557         | 558          | rBV2     | 197            | 264           | 0.02%           | 0.003%        |
| 18        | 5.361       | 565           | 567         | 571          | rBV2     | 447            | 574           | 0.05%           | 0.006%        |
| 19        | 5.422       | 575           | 577         | 580          | rVB2     | 283            | 308           | 0.03%           | 0.003%        |
| 20        | 5.787       | 628           | 637         | 643          | rBV5     | 1936           | 5694          | 0.47%           | 0.061%        |
| 21        | 5.891       | 651           | 654         | 655          | rBV2     | 488            | 392           | 0.03%           | 0.004%        |
| 22        | 5.940       | 655           | 662         | 673          | rVB4     | 4814           | 14095         | 1.17%           | 0.150%        |
| 23        | 6.086       | 684           | 686         | 687          | rBV      | 781            | 630           | 0.05%           | 0.007%        |
| 24        | 6.312       | 720           | 723         | 726          | rBV3     | 404            | 737           | 0.06%           | 0.008%        |
| 25        | 6.421       | 740           | 741         | 745          | rVV      | 227            | 283           | 0.02%           | 0.003%        |
| 26        | 6.482       | 750           | 751         | 755          | rVV      | 257            | 264           | 0.02%           | 0.003%        |
| 27        | 6.519       | 755           | 757         | 763          | rVB2     | 292            | 457           | 0.04%           | 0.005%        |
| 28        | 6.574       | 763           | 766         | 769          | rBV      | 268            | 269           | 0.02%           | 0.003%        |
| 29        | 6.842       | 807           | 810         | 811          | rBV2     | 312            | 284           | 0.02%           | 0.003%        |
| 30        | 6.903       | 812           | 820         | 828          | rVV4     | 3454           | 8395          | 0.70%           | 0.089%        |
| 31        | 7.080       | 839           | 849         | 857          | rBV      | 49192          | 151980        | 12.59%          | 1.618%        |
| 32        | 7.250       | 870           | 877         | 892          | rVB      | 32411          | 82582         | 6.84%           | 0.879%        |
| 33        | 7.476       | 912           | 914         | 917          | rBV      | 379            | 381           | 0.03%           | 0.004%        |
| 34        | 7.513       | 917           | 920         | 922          | rBV      | 291            | 387           | 0.03%           | 0.004%        |

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 Misc : 5.30G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQB2

## 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

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 7.647  | 931  | 942  | 955  | rBV  | 196223 | 484531  | 40.15%  | 5.160%  |
| 36 | 7.756  | 959  | 960  | 962  | rBV  | 565    | 291     | 0.02%   | 0.003%  |
| 37 | 7.824  | 968  | 971  | 975  | rBV2 | 409    | 439     | 0.04%   | 0.005%  |
| 38 | 8.104  | 1015 | 1017 | 1018 | rBV  | 372    | 272     | 0.02%   | 0.003%  |
| 39 | 8.183  | 1025 | 1030 | 1031 | rBV2 | 310    | 444     | 0.04%   | 0.005%  |
| 40 | 8.275  | 1035 | 1045 | 1061 | rBV2 | 401257 | 1206713 | 100.00% | 12.850% |
| 41 | 8.549  | 1085 | 1090 | 1098 | rVV4 | 4306   | 9176    | 0.76%   | 0.098%  |
| 42 | 8.701  | 1110 | 1115 | 1122 | rVB4 | 2716   | 6099    | 0.51%   | 0.065%  |
| 43 | 8.842  | 1130 | 1138 | 1148 | rBV  | 312965 | 616463  | 51.09%  | 6.565%  |
| 44 | 9.043  | 1164 | 1171 | 1174 | rBV7 | 1735   | 4023    | 0.33%   | 0.043%  |
| 45 | 9.153  | 1185 | 1189 | 1191 | rBV2 | 363    | 407     | 0.03%   | 0.004%  |
| 46 | 9.274  | 1200 | 1209 | 1218 | rBV  | 274095 | 559087  | 46.33%  | 5.954%  |
| 47 | 9.409  | 1227 | 1231 | 1237 | rVB3 | 5898   | 10187   | 0.84%   | 0.108%  |
| 48 | 9.543  | 1251 | 1253 | 1254 | rBV2 | 483    | 442     | 0.04%   | 0.005%  |
| 49 | 9.659  | 1268 | 1272 | 1277 | rVB4 | 1627   | 2270    | 0.19%   | 0.024%  |
| 50 | 9.793  | 1290 | 1294 | 1295 | rBV2 | 287    | 371     | 0.03%   | 0.004%  |
| 51 | 9.854  | 1301 | 1304 | 1305 | rVB2 | 289    | 278     | 0.02%   | 0.003%  |
| 52 | 9.878  | 1305 | 1308 | 1310 | rBV2 | 375    | 448     | 0.04%   | 0.005%  |
| 53 | 9.896  | 1310 | 1311 | 1314 | rVV  | 242    | 258     | 0.02%   | 0.003%  |
| 54 | 10.030 | 1326 | 1333 | 1342 | rBV  | 138952 | 248204  | 20.57%  | 2.643%  |
| 55 | 10.207 | 1361 | 1362 | 1365 | rBV  | 311    | 340     | 0.03%   | 0.004%  |
| 56 | 10.323 | 1373 | 1381 | 1388 | rBV  | 575513 | 995602  | 82.51%  | 10.602% |
| 57 | 10.384 | 1388 | 1391 | 1398 | rVB2 | 9303   | 16235   | 1.35%   | 0.173%  |
| 58 | 10.469 | 1404 | 1405 | 1408 | rBV  | 344    | 262     | 0.02%   | 0.003%  |
| 59 | 10.506 | 1408 | 1411 | 1415 | rVB2 | 609    | 1034    | 0.09%   | 0.011%  |
| 60 | 10.579 | 1415 | 1423 | 1430 | rBV  | 94262  | 162835  | 13.49%  | 1.734%  |
| 61 | 10.701 | 1437 | 1443 | 1450 | rVB2 | 35594  | 63916   | 5.30%   | 0.681%  |
| 62 | 10.860 | 1462 | 1469 | 1474 | rBV  | 72936  | 123547  | 10.24%  | 1.316%  |
| 63 | 10.927 | 1474 | 1480 | 1493 | rVB  | 203524 | 348014  | 28.84%  | 3.706%  |
| 64 | 11.073 | 1498 | 1504 | 1511 | rVV3 | 15553  | 25914   | 2.15%   | 0.276%  |
| 65 | 11.323 | 1541 | 1545 | 1547 | rBV  | 386    | 481     | 0.04%   | 0.005%  |
| 66 | 11.347 | 1547 | 1549 | 1550 | rVB2 | 529    | 337     | 0.03%   | 0.004%  |
| 67 | 11.567 | 1581 | 1585 | 1587 | rBV  | 411    | 314     | 0.03%   | 0.003%  |
| 68 | 11.628 | 1587 | 1595 | 1609 | rBV  | 455558 | 771197  | 63.91%  | 8.212%  |
| 69 | 11.731 | 1609 | 1612 | 1617 | rVV3 | 1114   | 1797    | 0.15%   | 0.019%  |
| 70 | 11.841 | 1623 | 1630 | 1642 | rVV7 | 2285   | 6089    | 0.50%   | 0.065%  |
| 71 | 11.945 | 1642 | 1647 | 1652 | rVV4 | 1937   | 3287    | 0.27%   | 0.035%  |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQB2

## 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  | 12.012 | 1656 | 1658 | 1661 | rVV  | 322    | 385    | 0.03%  | 0.004% |
| 73  | 12.042 | 1661 | 1663 | 1665 | rVV  | 432    | 345    | 0.03%  | 0.004% |
| 74  | 12.091 | 1666 | 1671 | 1674 | rVV2 | 339    | 595    | 0.05%  | 0.006% |
| 75  | 12.164 | 1679 | 1683 | 1689 | rVB4 | 1166   | 1891   | 0.16%  | 0.020% |
| 76  | 12.243 | 1691 | 1696 | 1701 | rBV3 | 702    | 1194   | 0.10%  | 0.013% |
| 77  | 12.335 | 1706 | 1711 | 1722 | rBV3 | 6977   | 12122  | 1.00%  | 0.129% |
| 78  | 12.445 | 1727 | 1729 | 1734 | rBV2 | 283    | 373    | 0.03%  | 0.004% |
| 79  | 12.609 | 1749 | 1756 | 1763 | rVV  | 297524 | 484665 | 40.16% | 5.161% |
| 80  | 12.688 | 1763 | 1769 | 1777 | rVV  | 260532 | 440722 | 36.52% | 4.693% |
| 81  | 12.756 | 1777 | 1780 | 1789 | rVB4 | 1529   | 2647   | 0.22%  | 0.028% |
| 82  | 12.865 | 1795 | 1798 | 1799 | rBV2 | 420    | 443    | 0.04%  | 0.005% |
| 83  | 12.938 | 1806 | 1810 | 1816 | rVB5 | 2853   | 4806   | 0.40%  | 0.051% |
| 84  | 12.987 | 1816 | 1818 | 1821 | rBV2 | 409    | 560    | 0.05%  | 0.006% |
| 85  | 13.054 | 1824 | 1829 | 1834 | rVB3 | 1345   | 1905   | 0.16%  | 0.020% |
| 86  | 13.274 | 1859 | 1865 | 1877 | rVB4 | 10148  | 20508  | 1.70%  | 0.218% |
| 87  | 13.396 | 1880 | 1885 | 1891 | rBV4 | 8551   | 13699  | 1.14%  | 0.146% |
| 88  | 13.554 | 1904 | 1911 | 1919 | rBV  | 460214 | 774293 | 64.17% | 8.245% |
| 89  | 13.652 | 1922 | 1927 | 1936 | rVB2 | 12946  | 21592  | 1.79%  | 0.230% |
| 90  | 13.755 | 1943 | 1944 | 1948 | rVB2 | 559    | 417    | 0.03%  | 0.004% |
| 91  | 13.804 | 1951 | 1952 | 1953 | rBV  | 499    | 359    | 0.03%  | 0.004% |
| 92  | 13.853 | 1953 | 1960 | 1968 | rBV  | 464784 | 763390 | 63.26% | 8.129% |
| 93  | 13.993 | 1979 | 1983 | 1984 | rBV3 | 471    | 553    | 0.05%  | 0.006% |
| 94  | 14.072 | 1990 | 1996 | 2002 | rVB2 | 67296  | 111715 | 9.26%  | 1.190% |
| 95  | 14.328 | 2032 | 2038 | 2043 | rBV5 | 8548   | 14094  | 1.17%  | 0.150% |
| 96  | 14.450 | 2056 | 2058 | 2061 | rBV3 | 464    | 352    | 0.03%  | 0.004% |
| 97  | 14.682 | 2095 | 2096 | 2097 | rBV  | 570    | 280    | 0.02%  | 0.003% |
| 98  | 14.920 | 2133 | 2135 | 2138 | rBV3 | 654    | 910    | 0.08%  | 0.010% |
| 99  | 15.493 | 2224 | 2229 | 2235 | rVB  | 10017  | 17683  | 1.47%  | 0.188% |
| 100 | 16.657 | 2418 | 2420 | 2423 | rBV3 | 636    | 795    | 0.07%  | 0.008% |

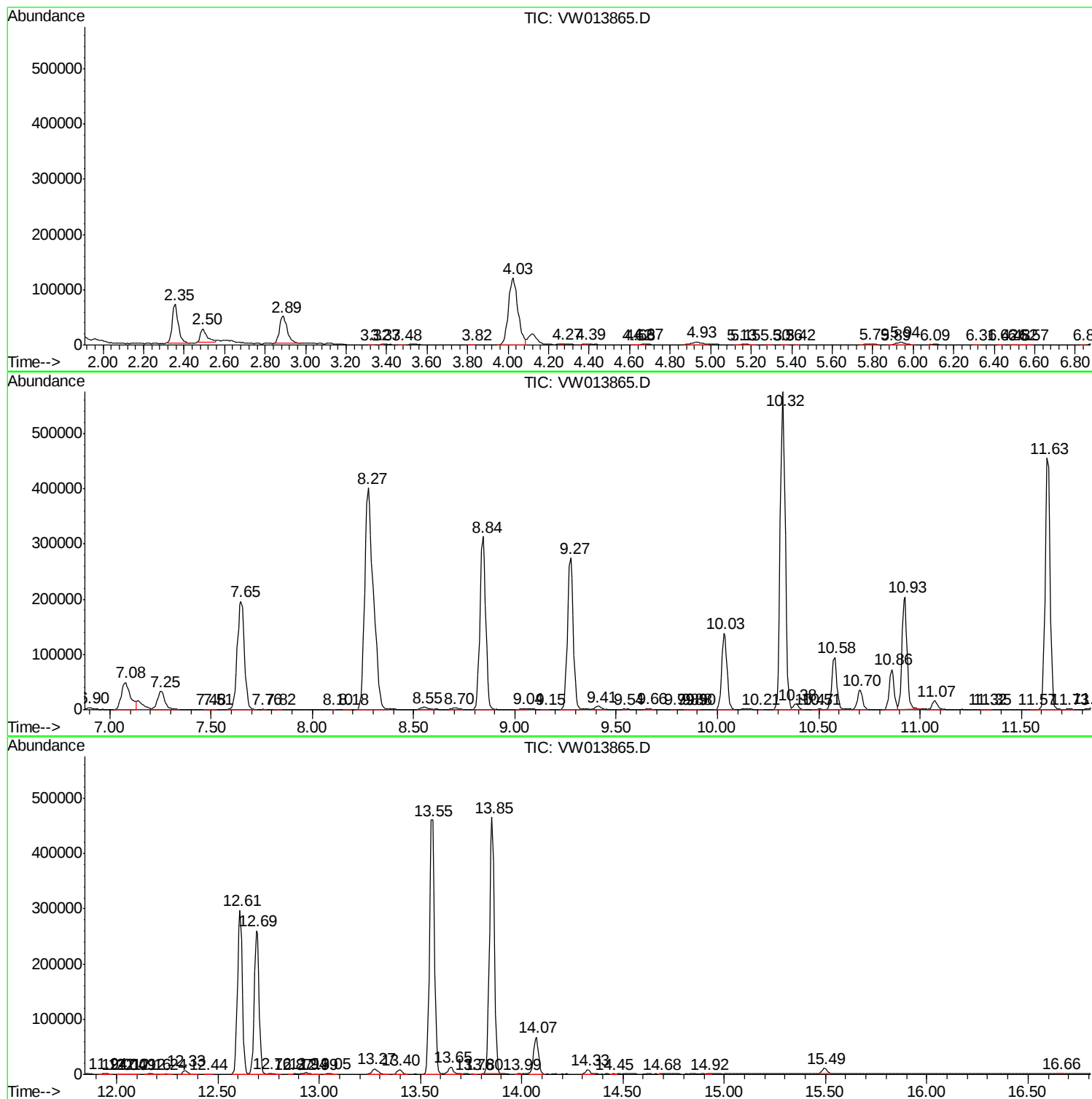
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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM103119S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW103119\  
Data File : VW013865.D  
Acq On : 31 Oct 2019 18:38  
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Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQB2

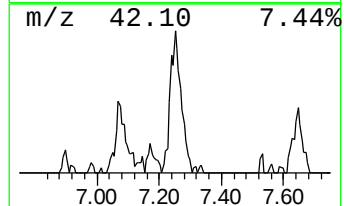
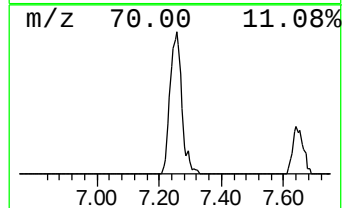
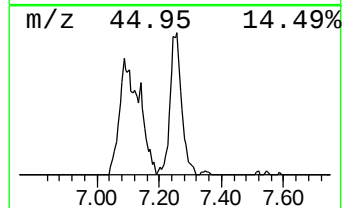
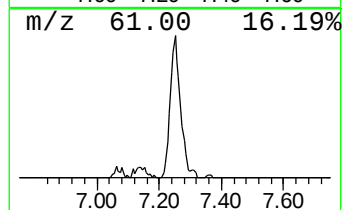
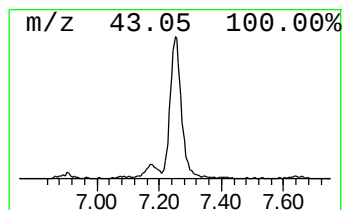
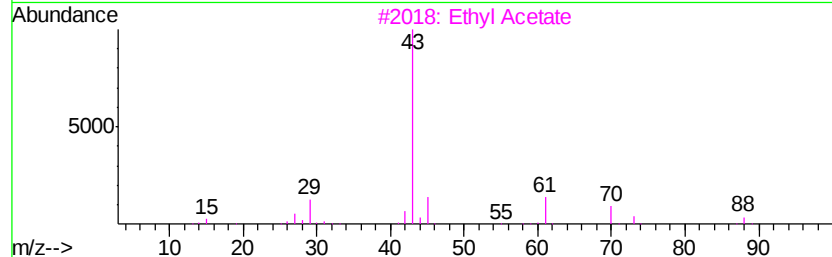
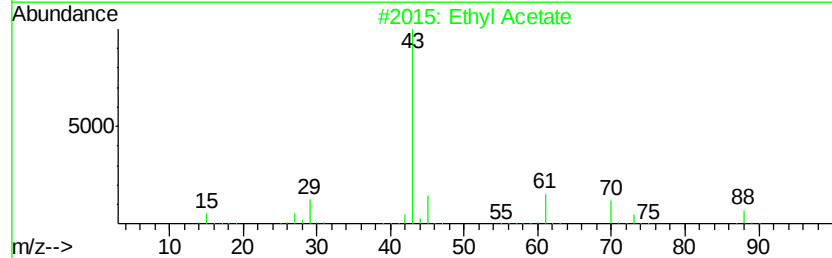
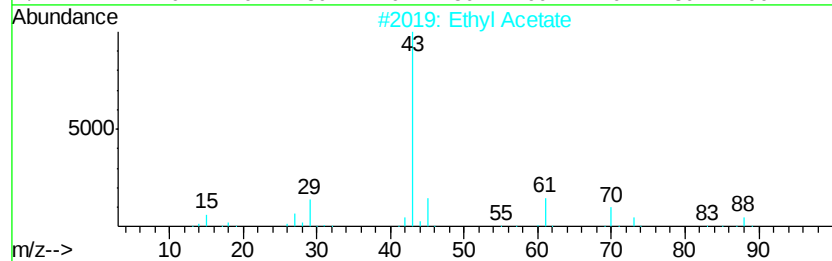
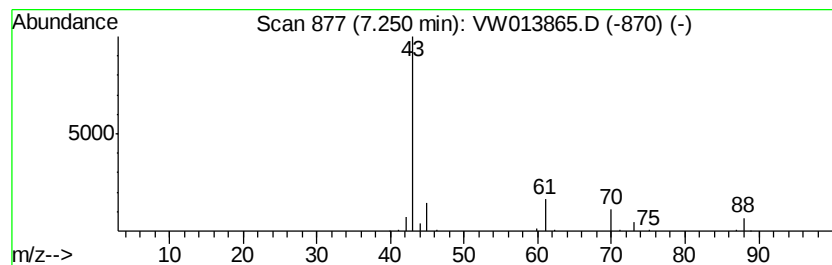
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM103119S.M  
Quant Title : VOC Analysis

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

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Peak Number 2 Ethyl Acetate Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 7.25 | 3.35 ug/L | 82582 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------|----|---------|-------------|------|
| 1    | 5  | Ethyl Acetate             | 88 | C4H8O2  | 000141-78-6 | 91   |
| 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 | 78   |
| 5    |    | Propanoic acid, 2-methyl- | 88 | C4H8O2  | 000079-31-2 | 40   |



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

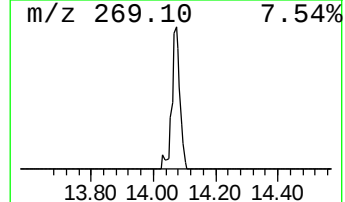
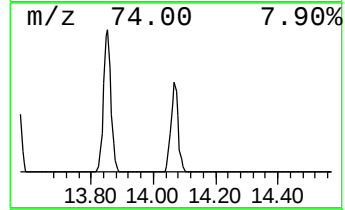
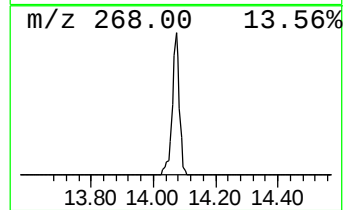
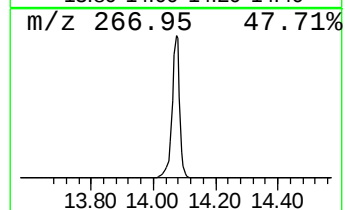
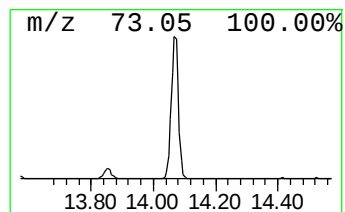
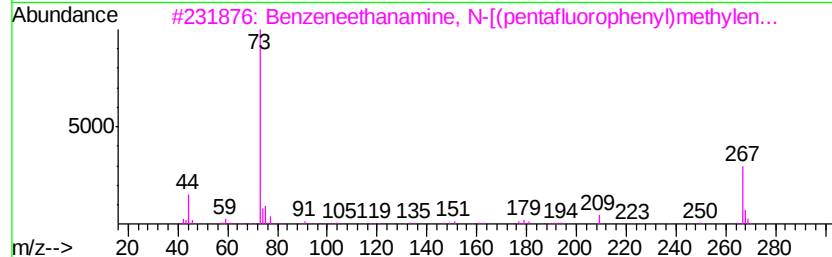
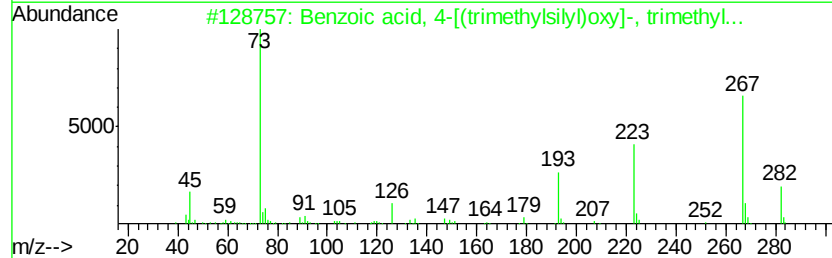
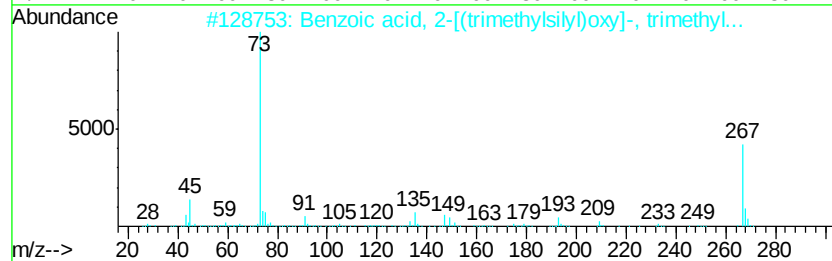
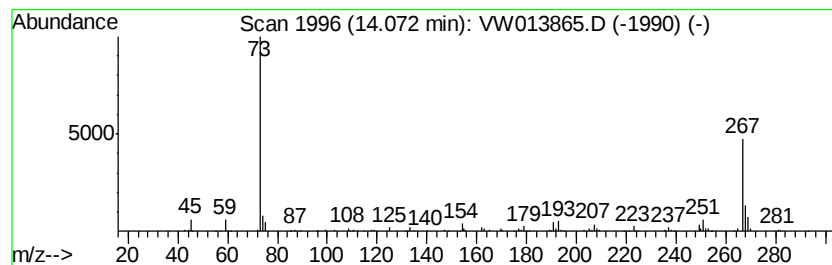
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 6 unknown-01 Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.07 | 3.61 ug/L | 111715 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                                              | MW  | MolForm        | CAS#         | Qual |
|------|----|-----------------------------------------------------------|-----|----------------|--------------|------|
| 1    | 5  | Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...      | 282 | C13H22O3Si2    | 003789-85-3  | 45   |
| 2    |    | Benzoic acid, 4-[(trimethylsilyl)oxy]-, trimethyl...      | 282 | C13H22O3Si2    | 002078-13-9  | 45   |
| 3    |    | Benzeneethanamine, N-[(pentafluorophenyl)methyl]...       | 475 | C21H26F5N02Si2 | 055429-85-1  | 38   |
| 4    |    | Benzoic acid, 4-[(trimethylsilyl)oxy]-, trimethyl...      | 282 | C13H22O3Si2    | 002078-13-9  | 38   |
| 5    |    | Trimethylsilyloxyethane, 2-(3-trimethylsilyloxypropyl)... | 282 | C14H26O2Si2    | 1000365-49-0 | 25   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW103119\  
Data File : VW013865.D  
Acq On : 31 Oct 2019 18:38  
Operator : SY/VA  
Sample : K5596-11  
Misc : 5.30G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAQB2

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Ethyl Acetate    | 7.25  | 3.4     | ug/L  | 82582    | 1                     | 8.84  | 616463 | 25.0 |
| unknown-01       | 14.07 | 3.6     | ug/L  | 111715   | 3                     | 13.56 | 774293 | 25.0 |