

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112219\  
 Data File : VW014093.D  
 Acq On : 22 Nov 2019 14:21  
 Operator : SY/VA  
 Sample : K5989-01  
 Misc : 5.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0BG6

## 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\SOM2WLM111119S.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      | 2.160    | 37         | 42       | 60        | rBV   | 12979       | 37316      | 3.03%        | 0.455%     |
| 2      | 2.349    | 68         | 73       | 86        | rVB   | 75890       | 139753     | 11.33%       | 1.703%     |
| 3      | 2.891    | 155        | 162      | 172       | rVB   | 58750       | 140129     | 11.36%       | 1.707%     |
| 4      | 3.300    | 227        | 229      | 231       | rBV2  | 409         | 435        | 0.04%        | 0.005%     |
| 5      | 3.373    | 239        | 241      | 242       | rBV   | 355         | 256        | 0.02%        | 0.003%     |
| 6      | 3.428    | 248        | 250      | 252       | rBV2  | 404         | 328        | 0.03%        | 0.004%     |
| 7      | 3.489    | 258        | 260      | 261       | rVB2  | 616         | 266        | 0.02%        | 0.003%     |
| 8      | 3.525    | 261        | 266      | 276       | rBV3  | 1995        | 4819       | 0.39%        | 0.059%     |
| 9      | 3.690    | 287        | 293      | 296       | rVB3  | 514         | 1044       | 0.08%        | 0.013%     |
| 10     | 3.721    | 296        | 298      | 302       | rBV2  | 270         | 358        | 0.03%        | 0.004%     |
| 11     | 3.897    | 326        | 327      | 330       | rBV2  | 216         | 260        | 0.02%        | 0.003%     |
| 12     | 4.013    | 335        | 346      | 362       | rBV   | 126079      | 402841     | 32.66%       | 4.909%     |
| 13     | 4.202    | 375        | 377      | 379       | rVB2  | 356         | 236        | 0.02%        | 0.003%     |
| 14     | 4.385    | 401        | 407      | 415       | rBV5  | 736         | 2296       | 0.19%        | 0.028%     |
| 15     | 4.477    | 419        | 422      | 423       | rBV2  | 237         | 275        | 0.02%        | 0.003%     |
| 16     | 4.513    | 426        | 428      | 433       | rVB3  | 445         | 720        | 0.06%        | 0.009%     |
| 17     | 4.556    | 433        | 435      | 438       | rBV2  | 419         | 538        | 0.04%        | 0.007%     |
| 18     | 4.653    | 450        | 451      | 453       | rBV   | 399         | 270        | 0.02%        | 0.003%     |
| 19     | 4.672    | 453        | 454      | 458       | rVB2  | 333         | 245        | 0.02%        | 0.003%     |
| 20     | 4.915    | 483        | 494      | 509       | rVV3  | 10230       | 39759      | 3.22%        | 0.484%     |
| 21     | 5.123    | 525        | 528      | 530       | rBV3  | 276         | 335        | 0.03%        | 0.004%     |
| 22     | 5.147    | 530        | 532      | 535       | rVV3  | 559         | 595        | 0.05%        | 0.007%     |
| 23     | 5.232    | 541        | 546      | 547       | rBV2  | 297         | 507        | 0.04%        | 0.006%     |
| 24     | 5.251    | 547        | 549      | 551       | rBV2  | 294         | 247        | 0.02%        | 0.003%     |
| 25     | 5.306    | 555        | 558      | 560       | rVB2  | 281         | 293        | 0.02%        | 0.004%     |
| 26     | 5.330    | 560        | 562      | 566       | rBV2  | 229         | 338        | 0.03%        | 0.004%     |
| 27     | 5.665    | 615        | 617      | 618       | rBV   | 299         | 231        | 0.02%        | 0.003%     |
| 28     | 5.897    | 650        | 655      | 656       | rBV   | 587         | 696        | 0.06%        | 0.008%     |
| 29     | 5.934    | 656        | 661      | 670       | rVV6  | 2579        | 7188       | 0.58%        | 0.088%     |
| 30     | 6.025    | 674        | 676      | 678       | rVV2  | 314         | 245        | 0.02%        | 0.003%     |
| 31     | 6.141    | 693        | 695      | 698       | rVB   | 342         | 228        | 0.02%        | 0.003%     |
| 32     | 6.214    | 706        | 707      | 710       | rVB   | 424         | 362        | 0.03%        | 0.004%     |
| 33     | 6.244    | 710        | 712      | 714       | rBV2  | 330         | 299        | 0.02%        | 0.004%     |
| 34     | 6.287    | 717        | 719      | 720       | rBV   | 354         | 281        | 0.02%        | 0.003%     |

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Filtering: 5  
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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\SOM2WLM111119S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 6.464  | 746  | 748  | 750  | rVB2 | 390    | 332     | 0.03%   | 0.004%  |
| 36 | 6.488  | 750  | 752  | 753  | rBV  | 334    | 317     | 0.03%   | 0.004%  |
| 37 | 6.580  | 765  | 767  | 768  | rBV  | 389    | 250     | 0.02%   | 0.003%  |
| 38 | 6.598  | 768  | 770  | 772  | rVB2 | 256    | 262     | 0.02%   | 0.003%  |
| 39 | 6.714  | 787  | 789  | 793  | rBV2 | 232    | 246     | 0.02%   | 0.003%  |
| 40 | 6.818  | 803  | 806  | 808  | rBV  | 269    | 264     | 0.02%   | 0.003%  |
| 41 | 6.854  | 811  | 812  | 815  | rBV  | 421    | 328     | 0.03%   | 0.004%  |
| 42 | 7.074  | 837  | 848  | 853  | rBV  | 40794  | 112735  | 9.14%   | 1.374%  |
| 43 | 7.421  | 903  | 905  | 906  | rBV  | 539    | 339     | 0.03%   | 0.004%  |
| 44 | 7.525  | 919  | 922  | 924  | rBV2 | 377    | 551     | 0.04%   | 0.007%  |
| 45 | 7.647  | 932  | 942  | 954  | rBV  | 210421 | 511968  | 41.51%  | 6.238%  |
| 46 | 7.787  | 963  | 965  | 968  | rBV2 | 246    | 290     | 0.02%   | 0.004%  |
| 47 | 7.903  | 982  | 984  | 986  | rBV  | 304    | 245     | 0.02%   | 0.003%  |
| 48 | 7.945  | 986  | 991  | 998  | rVB3 | 1285   | 2968    | 0.24%   | 0.036%  |
| 49 | 7.994  | 998  | 999  | 1001 | rBV2 | 307    | 234     | 0.02%   | 0.003%  |
| 50 | 8.080  | 1010 | 1013 | 1016 | rVB2 | 460    | 357     | 0.03%   | 0.004%  |
| 51 | 8.147  | 1023 | 1024 | 1027 | rBV  | 306    | 327     | 0.03%   | 0.004%  |
| 52 | 8.177  | 1027 | 1029 | 1032 | rBV2 | 249    | 355     | 0.03%   | 0.004%  |
| 53 | 8.275  | 1034 | 1045 | 1059 | rBV2 | 413644 | 1233345 | 100.00% | 15.028% |
| 54 | 8.427  | 1068 | 1070 | 1071 | rBV  | 558    | 314     | 0.03%   | 0.004%  |
| 55 | 8.500  | 1080 | 1082 | 1084 | rVB2 | 563    | 424     | 0.03%   | 0.005%  |
| 56 | 8.665  | 1107 | 1109 | 1112 | rBV2 | 428    | 377     | 0.03%   | 0.005%  |
| 57 | 8.726  | 1117 | 1119 | 1124 | rVB2 | 297    | 367     | 0.03%   | 0.004%  |
| 58 | 8.842  | 1129 | 1138 | 1149 | rBV  | 314531 | 632386  | 51.27%  | 7.706%  |
| 59 | 9.037  | 1166 | 1170 | 1172 | rVV3 | 812    | 1178    | 0.10%   | 0.014%  |
| 60 | 9.079  | 1172 | 1177 | 1182 | rVB6 | 1576   | 3062    | 0.25%   | 0.037%  |
| 61 | 9.201  | 1194 | 1197 | 1198 | rBV2 | 534    | 293     | 0.02%   | 0.004%  |
| 62 | 9.268  | 1199 | 1208 | 1218 | rBV  | 283786 | 581647  | 47.16%  | 7.087%  |
| 63 | 9.415  | 1230 | 1232 | 1236 | rVB  | 397    | 466     | 0.04%   | 0.006%  |
| 64 | 9.457  | 1236 | 1239 | 1240 | rVV  | 274    | 292     | 0.02%   | 0.004%  |
| 65 | 9.494  | 1243 | 1245 | 1249 | rVB2 | 631    | 675     | 0.05%   | 0.008%  |
| 66 | 9.652  | 1266 | 1271 | 1272 | rBV3 | 1707   | 2220    | 0.18%   | 0.027%  |
| 67 | 9.762  | 1287 | 1289 | 1291 | rBV  | 313    | 424     | 0.03%   | 0.005%  |
| 68 | 10.030 | 1326 | 1333 | 1344 | rBV  | 139841 | 256208  | 20.77%  | 3.122%  |
| 69 | 10.122 | 1344 | 1348 | 1351 | rBV4 | 803    | 1470    | 0.12%   | 0.018%  |
| 70 | 10.213 | 1360 | 1363 | 1365 | rBV2 | 661    | 642     | 0.05%   | 0.008%  |
| 71 | 10.323 | 1372 | 1381 | 1389 | rBV  | 562435 | 1001454 | 81.20%  | 12.203% |

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 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 >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.573 | 1416 | 1422 | 1430 | rBV  | 90564  | 155845 | 12.64% | 1.899% |
| 73  | 10.707 | 1437 | 1444 | 1449 | rVB2 | 31841  | 55388  | 4.49%  | 0.675% |
| 74  | 10.768 | 1452 | 1454 | 1455 | rBV  | 855    | 624    | 0.05%  | 0.008% |
| 75  | 10.920 | 1473 | 1479 | 1491 | rBV  | 136687 | 243010 | 19.70% | 2.961% |
| 76  | 11.061 | 1497 | 1502 | 1511 | rVB2 | 13387  | 24935  | 2.02%  | 0.304% |
| 77  | 11.439 | 1559 | 1564 | 1569 | rVB2 | 6230   | 10171  | 0.82%  | 0.124% |
| 78  | 11.628 | 1587 | 1595 | 1606 | rBV  | 424308 | 717799 | 58.20% | 8.746% |
| 79  | 11.835 | 1625 | 1629 | 1630 | rBV3 | 1122   | 1401   | 0.11%  | 0.017% |
| 80  | 12.457 | 1730 | 1731 | 1732 | rBV  | 633    | 385    | 0.03%  | 0.005% |
| 81  | 12.603 | 1749 | 1755 | 1762 | rVB  | 42921  | 71190  | 5.77%  | 0.867% |
| 82  | 12.688 | 1762 | 1769 | 1776 | rBV  | 206585 | 350283 | 28.40% | 4.268% |
| 83  | 12.762 | 1776 | 1781 | 1783 | rBV3 | 1388   | 1579   | 0.13%  | 0.019% |
| 84  | 12.932 | 1804 | 1809 | 1816 | rVB4 | 10184  | 17359  | 1.41%  | 0.212% |
| 85  | 12.993 | 1816 | 1819 | 1821 | rBV2 | 493    | 584    | 0.05%  | 0.007% |
| 86  | 13.079 | 1831 | 1833 | 1837 | rVB3 | 776    | 900    | 0.07%  | 0.011% |
| 87  | 13.121 | 1837 | 1840 | 1842 | rBV2 | 303    | 425    | 0.03%  | 0.005% |
| 88  | 13.188 | 1844 | 1851 | 1855 | rBV5 | 1401   | 3288   | 0.27%  | 0.040% |
| 89  | 13.292 | 1865 | 1868 | 1874 | rVB2 | 6539   | 10197  | 0.83%  | 0.124% |
| 90  | 13.402 | 1882 | 1886 | 1891 | rBV5 | 2409   | 4377   | 0.35%  | 0.053% |
| 91  | 13.469 | 1891 | 1897 | 1902 | rBV4 | 13791  | 23420  | 1.90%  | 0.285% |
| 92  | 13.554 | 1905 | 1911 | 1923 | rVV  | 392352 | 644935 | 52.29% | 7.859% |
| 93  | 13.761 | 1941 | 1945 | 1950 | rBV6 | 2038   | 3714   | 0.30%  | 0.045% |
| 94  | 13.853 | 1953 | 1960 | 1967 | rBV  | 404066 | 661954 | 53.67% | 8.066% |
| 95  | 13.950 | 1972 | 1976 | 1979 | rVB4 | 1350   | 1794   | 0.15%  | 0.022% |
| 96  | 14.066 | 1990 | 1995 | 2002 | rVB  | 21226  | 35511  | 2.88%  | 0.433% |
| 97  | 14.328 | 2029 | 2038 | 2041 | rBV5 | 4809   | 10591  | 0.86%  | 0.129% |
| 98  | 14.627 | 2085 | 2087 | 2091 | rVB2 | 1789   | 1938   | 0.16%  | 0.024% |
| 99  | 14.767 | 2109 | 2110 | 2112 | rBV2 | 608    | 442    | 0.04%  | 0.005% |
| 100 | 15.438 | 2216 | 2220 | 2225 | rVB2 | 13122  | 19129  | 1.55%  | 0.233% |

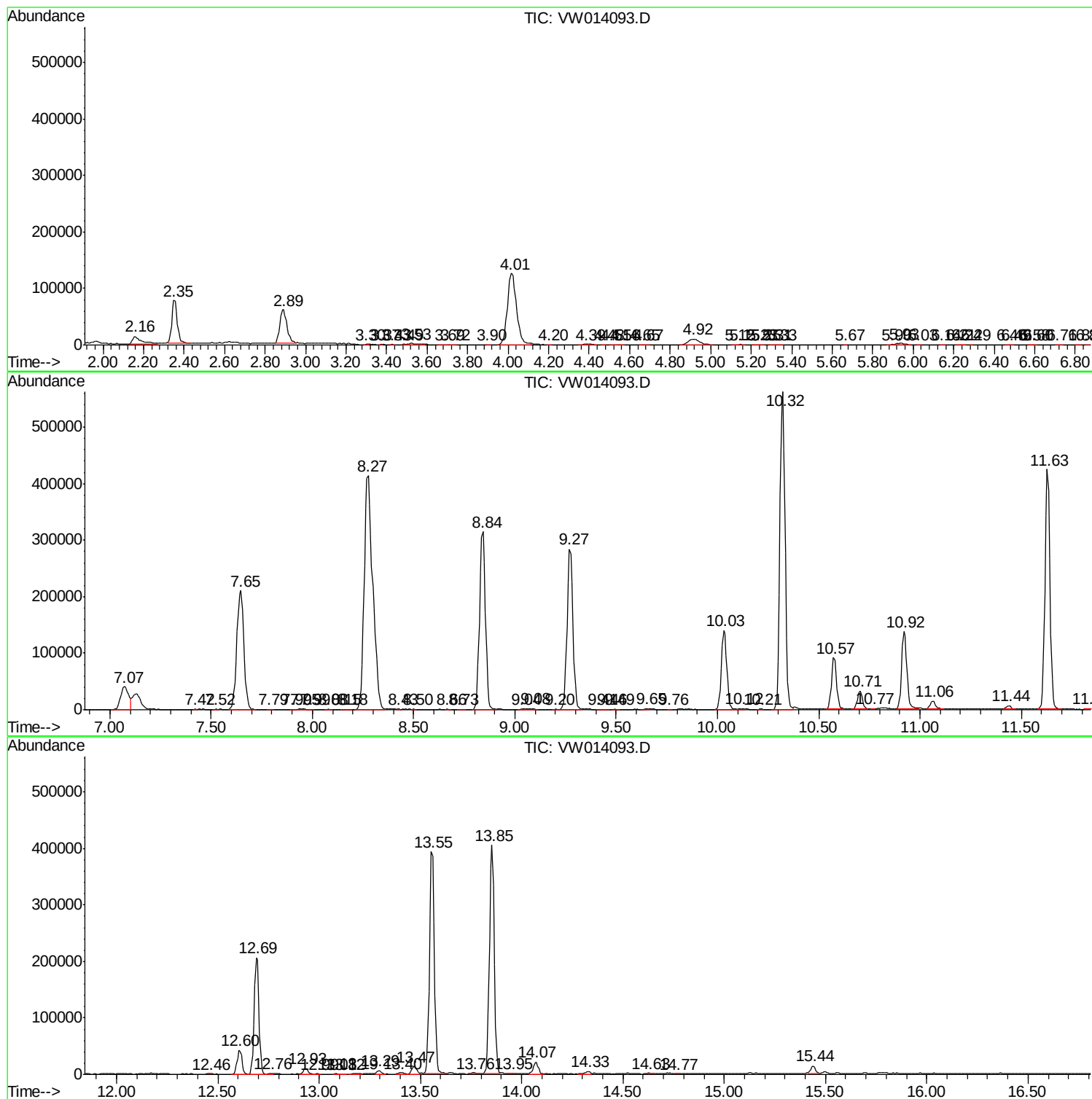
Sum of corrected areas: 8206769

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C0BG6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112219\  
Data File : VW014093.D  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
C0BG6

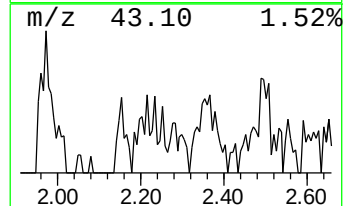
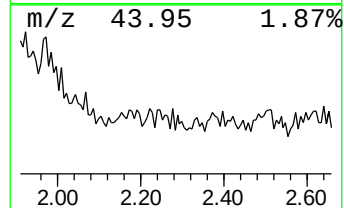
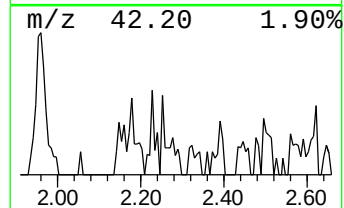
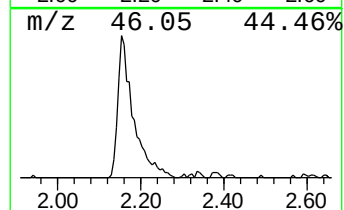
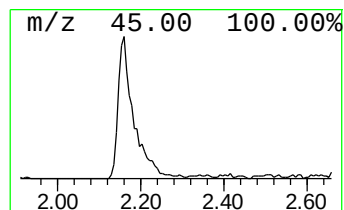
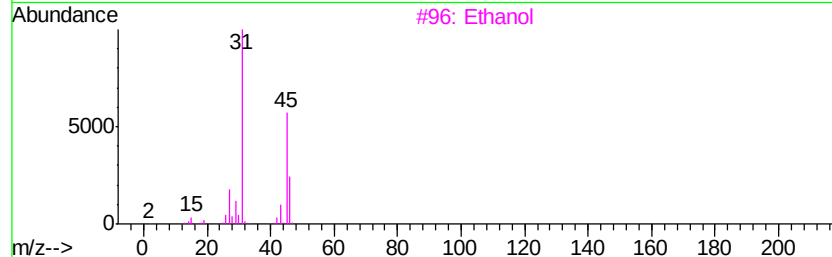
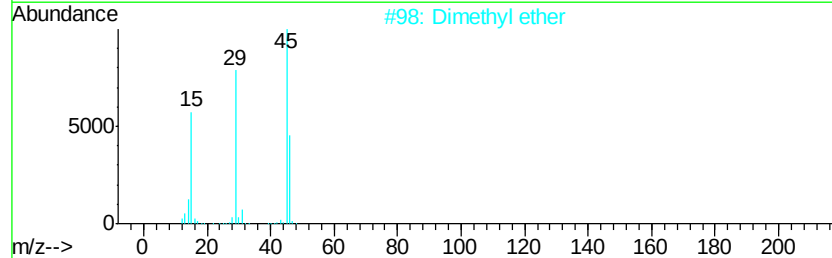
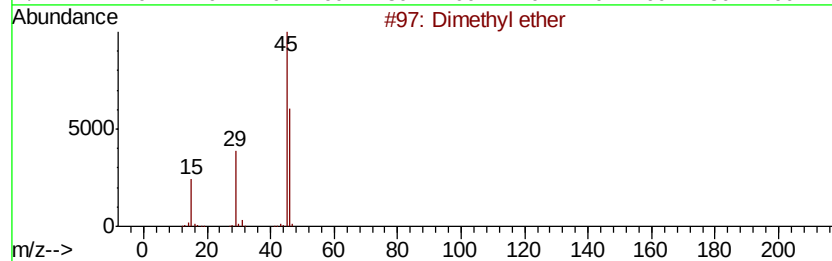
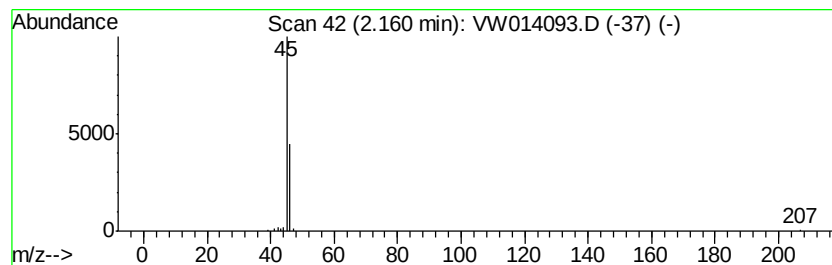
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis

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

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Peak Number 1 unknown-01 Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.16 | 1.48 ug/L | 37316 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|----------------|----|---------|-------------|------|
| 1    | 5  | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 9    |
| 2    |    | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 9    |
| 3    |    | Ethanol        | 46 | C2H6O   | 000064-17-5 | 9    |
| 4    |    | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 5    |    | Ethanol        | 46 | C2H6O   | 000064-17-5 | 5    |



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

| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown-01       | 2.16 | 1.5     | ug/L  | 37316    | 1                     | 8.84 | 632386 | 25.0 |