

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022020\  
 Data File : VW015017.D  
 Acq On : 20 Feb 2020 14:46  
 Operator : SY/VA  
 Sample : L1584-01  
 Misc : 3.27G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AL8

## 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\SOM2WLM020520S.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       | 82        | rVB   | 185720      | 329049     | 11.01%       | 1.703%     |
| 2      | 2.891    | 155        | 162      | 176       | rVB   | 178653      | 438844     | 14.68%       | 2.272%     |
| 3      | 3.330    | 233        | 234      | 236       | rBV   | 1391        | 1002       | 0.03%        | 0.005%     |
| 4      | 3.385    | 238        | 243      | 254       | rVB9  | 5073        | 16076      | 0.54%        | 0.083%     |
| 5      | 3.537    | 266        | 268      | 272       | rVB3  | 1900        | 1797       | 0.06%        | 0.009%     |
| 6      | 3.824    | 313        | 315      | 319       | rBV3  | 920         | 1264       | 0.04%        | 0.007%     |
| 7      | 3.854    | 319        | 320      | 324       | rVB4  | 959         | 944        | 0.03%        | 0.005%     |
| 8      | 3.885    | 324        | 325      | 331       | rVB4  | 1022        | 1183       | 0.04%        | 0.006%     |
| 9      | 4.013    | 335        | 346      | 359       | rBV   | 304153      | 927025     | 31.01%       | 4.799%     |
| 10     | 4.202    | 371        | 377      | 394       | rVB   | 40638       | 119389     | 3.99%        | 0.618%     |
| 11     | 4.391    | 399        | 408      | 415       | rVV4  | 6364        | 20648      | 0.69%        | 0.107%     |
| 12     | 4.616    | 443        | 445      | 453       | rVB8  | 1647        | 3740       | 0.13%        | 0.019%     |
| 13     | 4.824    | 476        | 479      | 480       | rBV3  | 817         | 827        | 0.03%        | 0.004%     |
| 14     | 4.909    | 480        | 493      | 511       | rVV   | 63550       | 221572     | 7.41%        | 1.147%     |
| 15     | 5.159    | 529        | 534      | 535       | rBV4  | 1478        | 2388       | 0.08%        | 0.012%     |
| 16     | 5.415    | 572        | 576      | 580       | rBV6  | 1031        | 1847       | 0.06%        | 0.010%     |
| 17     | 5.720    | 623        | 626      | 628       | rBV4  | 1365        | 1778       | 0.06%        | 0.009%     |
| 18     | 5.781    | 628        | 636      | 647       | rVV7  | 4267        | 14635      | 0.49%        | 0.076%     |
| 19     | 5.939    | 652        | 662      | 670       | rBV6  | 7501        | 20912      | 0.70%        | 0.108%     |
| 20     | 6.061    | 679        | 682      | 687       | rBV4  | 1118        | 1435       | 0.05%        | 0.007%     |
| 21     | 6.116    | 687        | 691      | 693       | rBV5  | 1237        | 1529       | 0.05%        | 0.008%     |
| 22     | 6.147    | 693        | 696      | 698       | rBV4  | 705         | 840        | 0.03%        | 0.004%     |
| 23     | 6.263    | 713        | 715      | 718       | rBV4  | 1371        | 1759       | 0.06%        | 0.009%     |
| 24     | 6.415    | 738        | 740      | 743       | rVV4  | 707         | 816        | 0.03%        | 0.004%     |
| 25     | 6.458    | 743        | 747      | 750       | rVB3  | 780         | 1033       | 0.03%        | 0.005%     |
| 26     | 6.531    | 755        | 759      | 760       | rVB2  | 816         | 904        | 0.03%        | 0.005%     |
| 27     | 6.732    | 791        | 792      | 796       | rVB4  | 1005        | 1182       | 0.04%        | 0.006%     |
| 28     | 6.769    | 796        | 798      | 799       | rBV   | 1215        | 852        | 0.03%        | 0.004%     |
| 29     | 6.921    | 816        | 823      | 824       | rBV5  | 1189        | 2028       | 0.07%        | 0.010%     |
| 30     | 6.951    | 825        | 828      | 831       | rVB5  | 832         | 1045       | 0.03%        | 0.005%     |
| 31     | 7.006    | 835        | 837      | 840       | rBV3  | 820         | 935        | 0.03%        | 0.005%     |
| 32     | 7.073    | 840        | 848      | 853       | rBV   | 71731       | 190697     | 6.38%        | 0.987%     |
| 33     | 7.268    | 877        | 880      | 883       | rBV3  | 759         | 1193       | 0.04%        | 0.006%     |
| 34     | 7.403    | 899        | 902      | 905       | rVV5  | 790         | 1089       | 0.04%        | 0.006%     |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 7.439  | 905  | 908  | 909  | rVV2 | 1224    | 1218    | 0.04%   | 0.006%  |
| 36 | 7.646  | 932  | 942  | 955  | rVB  | 535290  | 1292114 | 43.22%  | 6.689%  |
| 37 | 7.872  | 977  | 979  | 982  | rVB4 | 1229    | 875     | 0.03%   | 0.005%  |
| 38 | 7.939  | 988  | 990  | 998  | rVB7 | 3049    | 4675    | 0.16%   | 0.024%  |
| 39 | 8.037  | 1001 | 1006 | 1010 | rBV4 | 1185    | 1984    | 0.07%   | 0.010%  |
| 40 | 8.079  | 1010 | 1013 | 1017 | rBV5 | 700     | 1047    | 0.04%   | 0.005%  |
| 41 | 8.274  | 1033 | 1045 | 1061 | rBV2 | 1036572 | 2989860 | 100.00% | 15.478% |
| 42 | 8.536  | 1083 | 1088 | 1090 | rBV4 | 1334    | 2045    | 0.07%   | 0.011%  |
| 43 | 8.683  | 1110 | 1112 | 1115 | rVV4 | 1677    | 2295    | 0.08%   | 0.012%  |
| 44 | 8.841  | 1128 | 1138 | 1151 | rBV  | 956497  | 1866947 | 62.44%  | 9.665%  |
| 45 | 9.030  | 1167 | 1169 | 1171 | rBV3 | 1239    | 1554    | 0.05%   | 0.008%  |
| 46 | 9.079  | 1171 | 1177 | 1182 | rVB8 | 3998    | 9427    | 0.32%   | 0.049%  |
| 47 | 9.195  | 1194 | 1196 | 1199 | rBV3 | 915     | 1143    | 0.04%   | 0.006%  |
| 48 | 9.274  | 1199 | 1209 | 1218 | rBV  | 727203  | 1509402 | 50.48%  | 7.814%  |
| 49 | 9.445  | 1235 | 1237 | 1240 | rVB4 | 1586    | 1808    | 0.06%   | 0.009%  |
| 50 | 9.512  | 1245 | 1248 | 1250 | rVB4 | 1030    | 932     | 0.03%   | 0.005%  |
| 51 | 9.628  | 1265 | 1267 | 1268 | rVV2 | 1208    | 1112    | 0.04%   | 0.006%  |
| 52 | 9.652  | 1268 | 1271 | 1280 | rVB2 | 5900    | 12780   | 0.43%   | 0.066%  |
| 53 | 10.030 | 1326 | 1333 | 1340 | rBV  | 295812  | 538756  | 18.02%  | 2.789%  |
| 54 | 10.097 | 1340 | 1344 | 1347 | rVV4 | 9425    | 15020   | 0.50%   | 0.078%  |
| 55 | 10.323 | 1373 | 1381 | 1387 | rBV  | 1285698 | 2265503 | 75.77%  | 11.728% |
| 56 | 10.384 | 1387 | 1391 | 1402 | rVB  | 41514   | 77749   | 2.60%   | 0.403%  |
| 57 | 10.573 | 1416 | 1422 | 1433 | rBV  | 186875  | 331336  | 11.08%  | 1.715%  |
| 58 | 10.701 | 1437 | 1443 | 1450 | rVB  | 38353   | 67941   | 2.27%   | 0.352%  |
| 59 | 10.920 | 1473 | 1479 | 1495 | rVB  | 249513  | 447836  | 14.98%  | 2.318%  |
| 60 | 11.060 | 1498 | 1502 | 1510 | rVB3 | 20307   | 36606   | 1.22%   | 0.190%  |
| 61 | 11.237 | 1529 | 1531 | 1534 | rBV4 | 1507    | 1605    | 0.05%   | 0.008%  |
| 62 | 11.390 | 1554 | 1556 | 1557 | rBV2 | 1810    | 1557    | 0.05%   | 0.008%  |
| 63 | 11.438 | 1559 | 1564 | 1568 | rVB2 | 11157   | 17937   | 0.60%   | 0.093%  |
| 64 | 11.627 | 1587 | 1595 | 1606 | rBV  | 1196724 | 2022180 | 67.63%  | 10.469% |
| 65 | 11.841 | 1627 | 1630 | 1635 | rVB6 | 3957    | 5420    | 0.18%   | 0.028%  |
| 66 | 12.164 | 1679 | 1683 | 1685 | rBV5 | 2685    | 4190    | 0.14%   | 0.022%  |
| 67 | 12.335 | 1709 | 1711 | 1713 | rVB3 | 1215    | 1105    | 0.04%   | 0.006%  |
| 68 | 12.469 | 1728 | 1733 | 1737 | rVB7 | 4860    | 8034    | 0.27%   | 0.042%  |
| 69 | 12.530 | 1737 | 1743 | 1745 | rVB6 | 2073    | 3534    | 0.12%   | 0.018%  |
| 70 | 12.609 | 1745 | 1756 | 1762 | rBV  | 44637   | 78979   | 2.64%   | 0.409%  |
| 71 | 12.688 | 1762 | 1769 | 1775 | rBV  | 358706  | 607753  | 20.33%  | 3.146%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 12.737 | 1775 | 1777 | 1785 | rVB3 | 34593  | 50114   | 1.68%  | 0.259% |
| 73  | 12.932 | 1805 | 1809 | 1816 | rVB4 | 9771   | 18215   | 0.61%  | 0.094% |
| 74  | 13.005 | 1820 | 1821 | 1822 | rBV  | 1191   | 832     | 0.03%  | 0.004% |
| 75  | 13.030 | 1822 | 1825 | 1826 | rVV2 | 1325   | 1075    | 0.04%  | 0.006% |
| 76  | 13.121 | 1836 | 1840 | 1844 | rVB6 | 2470   | 3339    | 0.11%  | 0.017% |
| 77  | 13.206 | 1848 | 1854 | 1859 | rBV3 | 9257   | 16224   | 0.54%  | 0.084% |
| 78  | 13.292 | 1864 | 1868 | 1876 | rVB3 | 7651   | 14619   | 0.49%  | 0.076% |
| 79  | 13.401 | 1882 | 1886 | 1891 | rVB5 | 2329   | 4524    | 0.15%  | 0.023% |
| 80  | 13.469 | 1891 | 1897 | 1901 | rBV3 | 17130  | 30682   | 1.03%  | 0.159% |
| 81  | 13.554 | 1905 | 1911 | 1924 | rVV  | 777480 | 1283232 | 42.92% | 6.643% |
| 82  | 13.645 | 1924 | 1926 | 1932 | rVB5 | 5265   | 7905    | 0.26%  | 0.041% |
| 83  | 13.761 | 1941 | 1945 | 1948 | rBV6 | 2465   | 3745    | 0.13%  | 0.019% |
| 84  | 13.853 | 1953 | 1960 | 1967 | rBV  | 743255 | 1213944 | 40.60% | 6.285% |
| 85  | 14.011 | 1984 | 1986 | 1988 | rBV2 | 1625   | 1734    | 0.06%  | 0.009% |
| 86  | 14.072 | 1990 | 1996 | 2001 | rVV  | 22077  | 36236   | 1.21%  | 0.188% |
| 87  | 14.133 | 2004 | 2006 | 2008 | rVB2 | 1803   | 1246    | 0.04%  | 0.006% |
| 88  | 14.188 | 2012 | 2015 | 2016 | rBV3 | 1141   | 1179    | 0.04%  | 0.006% |
| 89  | 14.328 | 2030 | 2038 | 2043 | rBV8 | 7425   | 15021   | 0.50%  | 0.078% |
| 90  | 14.493 | 2061 | 2065 | 2066 | rBV3 | 2249   | 2420    | 0.08%  | 0.013% |
| 91  | 14.627 | 2083 | 2087 | 2091 | rVB6 | 3448   | 4691    | 0.16%  | 0.024% |
| 92  | 14.694 | 2096 | 2098 | 2101 | rVV4 | 2105   | 2669    | 0.09%  | 0.014% |
| 93  | 14.718 | 2101 | 2102 | 2106 | rVB4 | 2297   | 2452    | 0.08%  | 0.013% |
| 94  | 14.938 | 2136 | 2138 | 2139 | rBV2 | 1040   | 769     | 0.03%  | 0.004% |
| 95  | 15.133 | 2168 | 2170 | 2172 | rBV2 | 2594   | 1845    | 0.06%  | 0.010% |
| 96  | 15.291 | 2194 | 2196 | 2199 | rBV4 | 1463   | 2017    | 0.07%  | 0.010% |
| 97  | 15.365 | 2206 | 2208 | 2211 | rBV2 | 1335   | 1610    | 0.05%  | 0.008% |
| 98  | 15.432 | 2215 | 2219 | 2225 | rVB2 | 13314  | 22875   | 0.77%  | 0.118% |
| 99  | 15.761 | 2269 | 2273 | 2274 | rBV3 | 2510   | 3185    | 0.11%  | 0.016% |
| 100 | 15.956 | 2303 | 2305 | 2308 | rBV4 | 1167   | 1527    | 0.05%  | 0.008% |

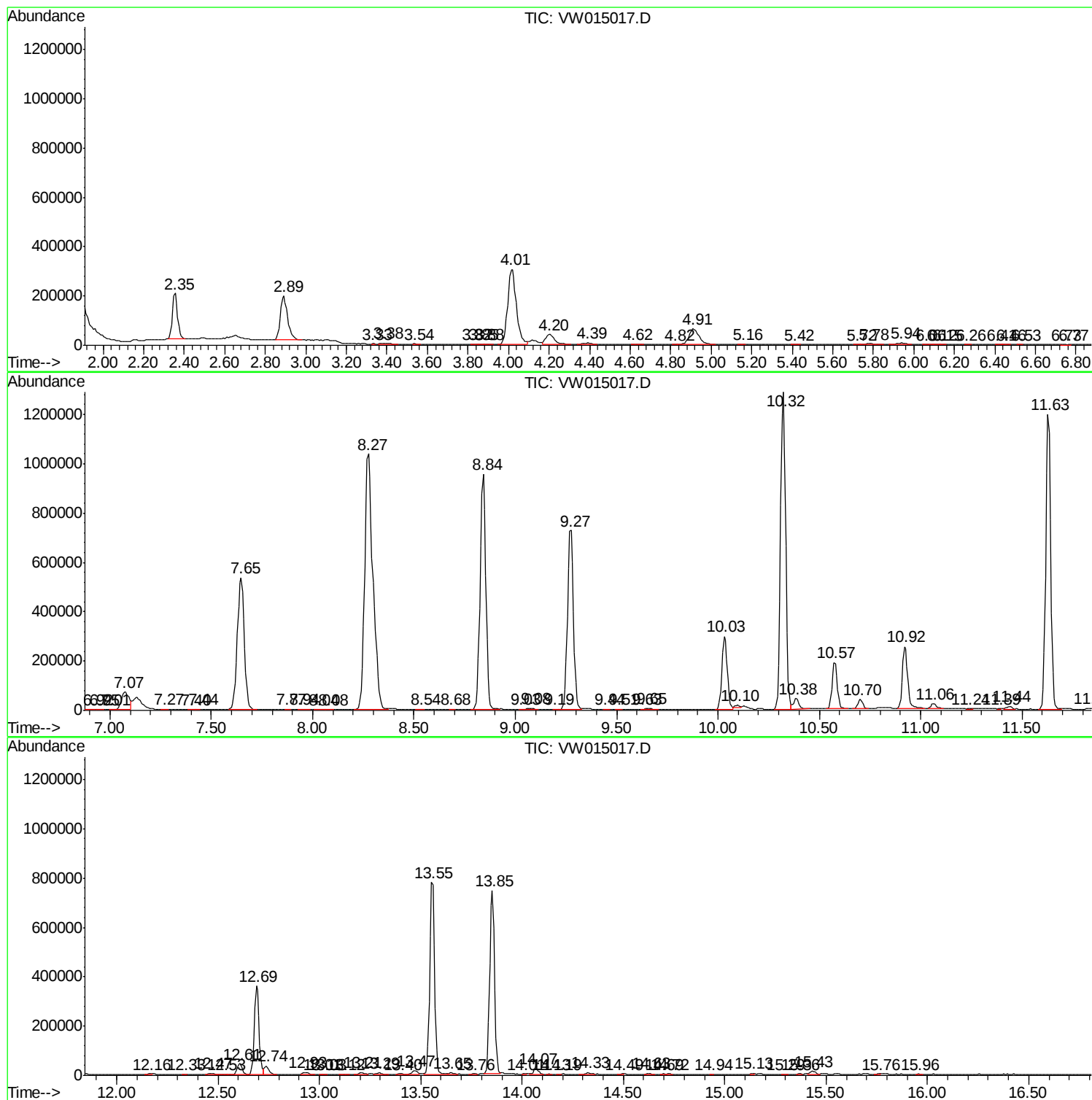
Sum of corrected areas: 19316442

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
Quant Title : VOC Analysis

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



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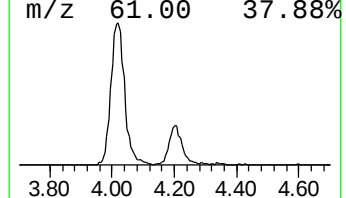
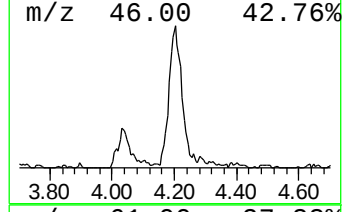
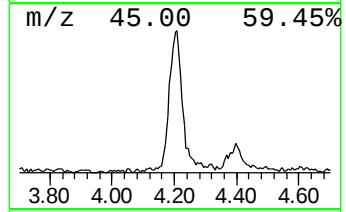
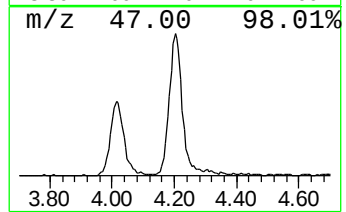
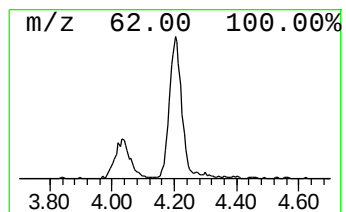
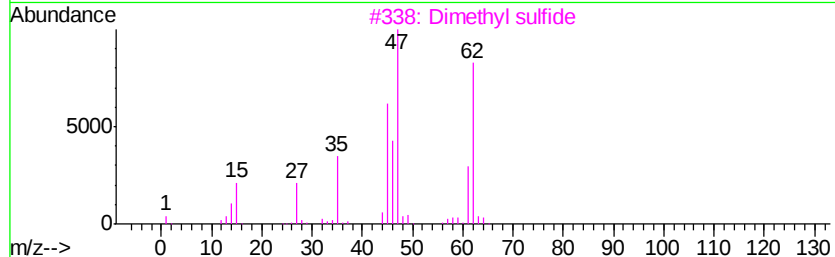
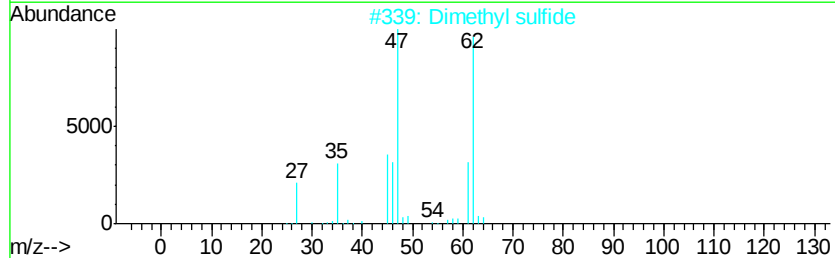
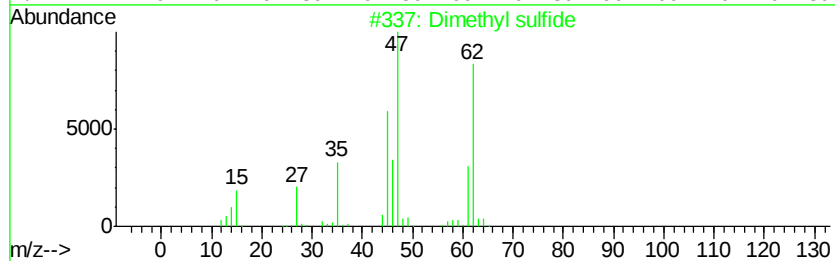
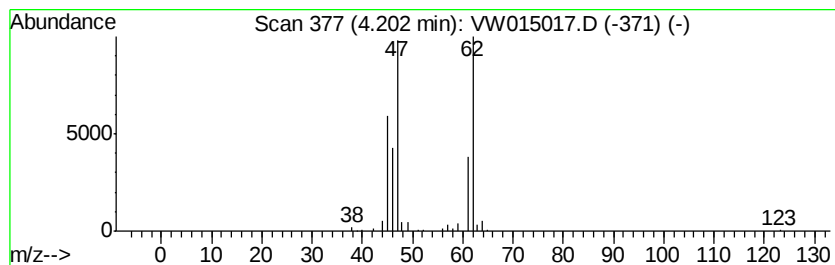
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Dimethyl sulfide Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.20 | 1.60 ug/L | 119389 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID                  | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------------|----|---------|-------------|------|
| 1    | 5  | Dimethyl sulfide              | 62 | C2H6S   | 000075-18-3 | 94   |
| 2    |    | Dimethyl sulfide              | 62 | C2H6S   | 000075-18-3 | 91   |
| 3    |    | Dimethyl sulfide              | 62 | C2H6S   | 000075-18-3 | 91   |
| 4    |    | Dimethyl sulfide              | 62 | C2H6S   | 000075-18-3 | 91   |
| 5    |    | Borane-methyl sulfide complex | 76 | C2H9BS  | 013292-87-0 | 83   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| Dimethyl sulfide | 4.20 | 1.6     | ug/L  | 119389   | 1                     | 8.84 | 1866950 | 25.0 |