

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022820\  
 Data File : VW015075.D  
 Acq On : 28 Feb 2020 12:20  
 Operator : SY/VA  
 Sample : VW0228SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK11

## 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\SOM2WLM022420S.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         | 2.160       | 38            | 42          | 43           | rBV2     | 3411           | 4829          | 0.19%           | 0.028%        |
| 2         | 2.355       | 68            | 74          | 89           | rVB      | 246169         | 442912        | 17.82%          | 2.577%        |
| 3         | 2.892       | 155           | 162         | 178          | rVB      | 158401         | 385868        | 15.53%          | 2.245%        |
| 4         | 3.391       | 236           | 244         | 250          | rBV4     | 7667           | 18379         | 0.74%           | 0.107%        |
| 5         | 3.776       | 304           | 307         | 314          | rVB7     | 1912           | 2945          | 0.12%           | 0.017%        |
| 6         | 3.849       | 314           | 319         | 323          | rBV6     | 745            | 1278          | 0.05%           | 0.007%        |
| 7         | 3.898       | 325           | 327         | 329          | rBV3     | 1072           | 986           | 0.04%           | 0.006%        |
| 8         | 4.019       | 336           | 347         | 362          | rBV      | 297610         | 906326        | 36.47%          | 5.272%        |
| 9         | 4.208       | 376           | 378         | 379          | rVB      | 2035           | 1280          | 0.05%           | 0.007%        |
| 10        | 4.391       | 406           | 408         | 417          | rVV7     | 3415           | 7716          | 0.31%           | 0.045%        |
| 11        | 4.574       | 435           | 438         | 440          | rBV4     | 1261           | 992           | 0.04%           | 0.006%        |
| 12        | 4.641       | 446           | 449         | 452          | rBV3     | 988            | 1499          | 0.06%           | 0.009%        |
| 13        | 4.849       | 480           | 483         | 485          | rBV3     | 1071           | 1368          | 0.06%           | 0.008%        |
| 14        | 4.922       | 485           | 495         | 509          | rVV2     | 21733          | 79312         | 3.19%           | 0.461%        |
| 15        | 5.111       | 523           | 526         | 527          | rBV3     | 898            | 1052          | 0.04%           | 0.006%        |
| 16        | 5.141       | 529           | 531         | 532          | rVV2     | 1373           | 1464          | 0.06%           | 0.009%        |
| 17        | 5.159       | 532           | 534         | 541          | rVB6     | 2461           | 4406          | 0.18%           | 0.026%        |
| 18        | 5.385       | 569           | 571         | 573          | rBV3     | 1148           | 1258          | 0.05%           | 0.007%        |
| 19        | 5.525       | 592           | 594         | 597          | rVB3     | 1013           | 1054          | 0.04%           | 0.006%        |
| 20        | 5.617       | 606           | 609         | 611          | rBV4     | 1116           | 1725          | 0.07%           | 0.010%        |
| 21        | 5.763       | 623           | 633         | 637          | rBV9     | 3605           | 11840         | 0.48%           | 0.069%        |
| 22        | 5.940       | 653           | 662         | 673          | rVB7     | 5388           | 18318         | 0.74%           | 0.107%        |
| 23        | 6.141       | 693           | 695         | 699          | rVB2     | 1261           | 1044          | 0.04%           | 0.006%        |
| 24        | 6.409       | 736           | 739         | 742          | rBV3     | 772            | 995           | 0.04%           | 0.006%        |
| 25        | 6.842       | 804           | 810         | 811          | rBV4     | 901            | 1334          | 0.05%           | 0.008%        |
| 26        | 6.915       | 819           | 822         | 832          | rVB7     | 1401           | 4396          | 0.18%           | 0.026%        |
| 27        | 7.074       | 840           | 848         | 853          | rBV      | 66169          | 183538        | 7.39%           | 1.068%        |
| 28        | 7.433       | 904           | 907         | 909          | rBV4     | 1980           | 2326          | 0.09%           | 0.014%        |
| 29        | 7.519       | 920           | 921         | 925          | rVV4     | 1175           | 1412          | 0.06%           | 0.008%        |
| 30        | 7.549       | 925           | 926         | 930          | rVB4     | 1724           | 1427          | 0.06%           | 0.008%        |
| 31        | 7.647       | 930           | 942         | 956          | rBV      | 413906         | 1017302       | 40.93%          | 5.918%        |
| 32        | 7.939       | 987           | 990         | 997          | rVB8     | 2804           | 6429          | 0.26%           | 0.037%        |
| 33        | 8.067       | 1007          | 1011        | 1014         | rVB4     | 984            | 1272          | 0.05%           | 0.007%        |
| 34        | 8.153       | 1023          | 1025        | 1027         | rBV3     | 998            | 947           | 0.04%           | 0.006%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022420S.M  
 Title : VOC Analysis

|    |        |      |      |      |       |         |         |         |         |
|----|--------|------|------|------|-------|---------|---------|---------|---------|
| 35 | 8.275  | 1029 | 1045 | 1063 | rBV2  | 848090  | 2485233 | 100.00% | 14.457% |
| 36 | 8.543  | 1086 | 1089 | 1092 | rVB4  | 882     | 1421    | 0.06%   | 0.008%  |
| 37 | 8.683  | 1108 | 1112 | 1116 | rBV7  | 1704    | 2851    | 0.11%   | 0.017%  |
| 38 | 8.720  | 1116 | 1118 | 1122 | rVB3  | 1231    | 1133    | 0.05%   | 0.007%  |
| 39 | 8.842  | 1127 | 1138 | 1147 | rBV   | 774395  | 1502356 | 60.45%  | 8.740%  |
| 40 | 8.951  | 1154 | 1156 | 1161 | rVB5  | 1340    | 1724    | 0.07%   | 0.010%  |
| 41 | 9.043  | 1167 | 1171 | 1173 | rBV5  | 1468    | 2014    | 0.08%   | 0.012%  |
| 42 | 9.067  | 1173 | 1175 | 1176 | rVV2  | 2448    | 2282    | 0.09%   | 0.013%  |
| 43 | 9.086  | 1176 | 1178 | 1183 | rVB6  | 3246    | 4157    | 0.17%   | 0.024%  |
| 44 | 9.275  | 1199 | 1209 | 1221 | rBV   | 592280  | 1215175 | 48.90%  | 7.069%  |
| 45 | 9.634  | 1266 | 1268 | 1270 | rBV3  | 1840    | 2205    | 0.09%   | 0.013%  |
| 46 | 9.793  | 1292 | 1294 | 1297 | rBV4  | 1392    | 1706    | 0.07%   | 0.010%  |
| 47 | 9.835  | 1300 | 1301 | 1305 | rVB4  | 1149    | 1120    | 0.05%   | 0.007%  |
| 48 | 9.890  | 1305 | 1310 | 1312 | rBV4  | 1917    | 2637    | 0.11%   | 0.015%  |
| 49 | 10.037 | 1315 | 1334 | 1346 | rBV   | 267165  | 504466  | 20.30%  | 2.935%  |
| 50 | 10.201 | 1358 | 1361 | 1362 | rBV3  | 3174    | 2797    | 0.11%   | 0.016%  |
| 51 | 10.323 | 1372 | 1381 | 1390 | rBV   | 1064724 | 1858551 | 74.78%  | 10.812% |
| 52 | 10.579 | 1416 | 1423 | 1433 | rVV   | 177161  | 317457  | 12.77%  | 1.847%  |
| 53 | 10.701 | 1437 | 1443 | 1450 | rVB2  | 61042   | 108355  | 4.36%   | 0.630%  |
| 54 | 10.793 | 1457 | 1458 | 1460 | rVB2  | 1429    | 984     | 0.04%   | 0.006%  |
| 55 | 10.860 | 1460 | 1469 | 1473 | rBV10 | 5025    | 12642   | 0.51%   | 0.074%  |
| 56 | 10.921 | 1473 | 1479 | 1496 | rVV   | 247864  | 448707  | 18.05%  | 2.610%  |
| 57 | 11.061 | 1496 | 1502 | 1512 | rVV   | 37150   | 70756   | 2.85%   | 0.412%  |
| 58 | 11.171 | 1516 | 1520 | 1528 | rVB4  | 8434    | 15699   | 0.63%   | 0.091%  |
| 59 | 11.268 | 1535 | 1536 | 1540 | rBV3  | 1095    | 1388    | 0.06%   | 0.008%  |
| 60 | 11.323 | 1542 | 1545 | 1550 | rVB7  | 1264    | 2601    | 0.10%   | 0.015%  |
| 61 | 11.439 | 1554 | 1564 | 1569 | rBV   | 37496   | 68239   | 2.75%   | 0.397%  |
| 62 | 11.536 | 1576 | 1580 | 1581 | rBV4  | 847     | 1042    | 0.04%   | 0.006%  |
| 63 | 11.628 | 1586 | 1595 | 1607 | rBV   | 1117483 | 1857649 | 74.75%  | 10.807% |
| 64 | 11.841 | 1625 | 1630 | 1633 | rVV6  | 3269    | 5130    | 0.21%   | 0.030%  |
| 65 | 12.030 | 1659 | 1661 | 1662 | rBV2  | 1176    | 911     | 0.04%   | 0.005%  |
| 66 | 12.055 | 1664 | 1665 | 1668 | rVB3  | 1214    | 924     | 0.04%   | 0.005%  |
| 67 | 12.164 | 1677 | 1683 | 1690 | rVB7  | 3336    | 6774    | 0.27%   | 0.039%  |
| 68 | 12.262 | 1696 | 1699 | 1701 | rVB4  | 956     | 1136    | 0.05%   | 0.007%  |
| 69 | 12.323 | 1707 | 1709 | 1710 | rBV2  | 1157    | 1230    | 0.05%   | 0.007%  |
| 70 | 12.463 | 1728 | 1732 | 1737 | rVB5  | 3535    | 5135    | 0.21%   | 0.030%  |
| 71 | 12.603 | 1746 | 1755 | 1763 | rBV2  | 71632   | 126578  | 5.09%   | 0.736%  |

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## 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

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022420S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 12.689 | 1763 | 1769 | 1777 | rVV  | 365491 | 610237  | 24.55% | 3.550% |
| 73  | 12.762 | 1777 | 1781 | 1785 | rVB5 | 4214   | 6588    | 0.27%  | 0.038% |
| 74  | 12.932 | 1804 | 1809 | 1814 | rBV3 | 11355  | 17361   | 0.70%  | 0.101% |
| 75  | 13.030 | 1821 | 1825 | 1826 | rBV3 | 2999   | 2993    | 0.12%  | 0.017% |
| 76  | 13.073 | 1829 | 1832 | 1838 | rVB6 | 2691   | 5169    | 0.21%  | 0.030% |
| 77  | 13.195 | 1847 | 1852 | 1853 | rBV4 | 2081   | 2569    | 0.10%  | 0.015% |
| 78  | 13.298 | 1864 | 1869 | 1877 | rVB2 | 10284  | 18079   | 0.73%  | 0.105% |
| 79  | 13.359 | 1877 | 1879 | 1881 | rBV3 | 1088   | 1123    | 0.05%  | 0.007% |
| 80  | 13.408 | 1881 | 1887 | 1891 | rVB5 | 5457   | 8554    | 0.34%  | 0.050% |
| 81  | 13.499 | 1895 | 1902 | 1904 | rBV7 | 6521   | 12232   | 0.49%  | 0.071% |
| 82  | 13.554 | 1905 | 1911 | 1924 | rVB  | 826613 | 1345200 | 54.13% | 7.825% |
| 83  | 13.755 | 1940 | 1944 | 1948 | rBV5 | 6835   | 10014   | 0.40%  | 0.058% |
| 84  | 13.853 | 1953 | 1960 | 1967 | rBV  | 756332 | 1235797 | 49.73% | 7.189% |
| 85  | 14.012 | 1982 | 1986 | 1990 | rBV7 | 2665   | 5774    | 0.23%  | 0.034% |
| 86  | 14.073 | 1990 | 1996 | 2003 | rVB  | 26572  | 47721   | 1.92%  | 0.278% |
| 87  | 14.194 | 2012 | 2016 | 2024 | rBV9 | 3679   | 7657    | 0.31%  | 0.045% |
| 88  | 14.249 | 2024 | 2025 | 2031 | rVB6 | 1386   | 1936    | 0.08%  | 0.011% |
| 89  | 14.329 | 2031 | 2038 | 2043 | rBV9 | 6817   | 13995   | 0.56%  | 0.081% |
| 90  | 14.499 | 2062 | 2066 | 2069 | rBV6 | 1723   | 3522    | 0.14%  | 0.020% |
| 91  | 14.621 | 2083 | 2086 | 2091 | rVB7 | 5357   | 8878    | 0.36%  | 0.052% |
| 92  | 14.725 | 2101 | 2103 | 2105 | rBV3 | 1220   | 1018    | 0.04%  | 0.006% |
| 93  | 15.017 | 2147 | 2151 | 2152 | rBV4 | 883    | 1262    | 0.05%  | 0.007% |
| 94  | 15.438 | 2212 | 2220 | 2226 | rBV2 | 27313  | 48005   | 1.93%  | 0.279% |
| 95  | 15.658 | 2254 | 2256 | 2258 | rBV4 | 1192   | 957     | 0.04%  | 0.006% |
| 96  | 15.792 | 2276 | 2278 | 2282 | rVB4 | 1706   | 2254    | 0.09%  | 0.013% |
| 97  | 15.969 | 2301 | 2307 | 2309 | rBV7 | 1886   | 3249    | 0.13%  | 0.019% |
| 98  | 15.999 | 2309 | 2312 | 2314 | rVB4 | 1389   | 1318    | 0.05%  | 0.008% |
| 99  | 16.487 | 2390 | 2392 | 2393 | rBV2 | 1527   | 940     | 0.04%  | 0.005% |
| 100 | 16.682 | 2421 | 2424 | 2425 | rVV2 | 1237   | 1206    | 0.05%  | 0.007% |

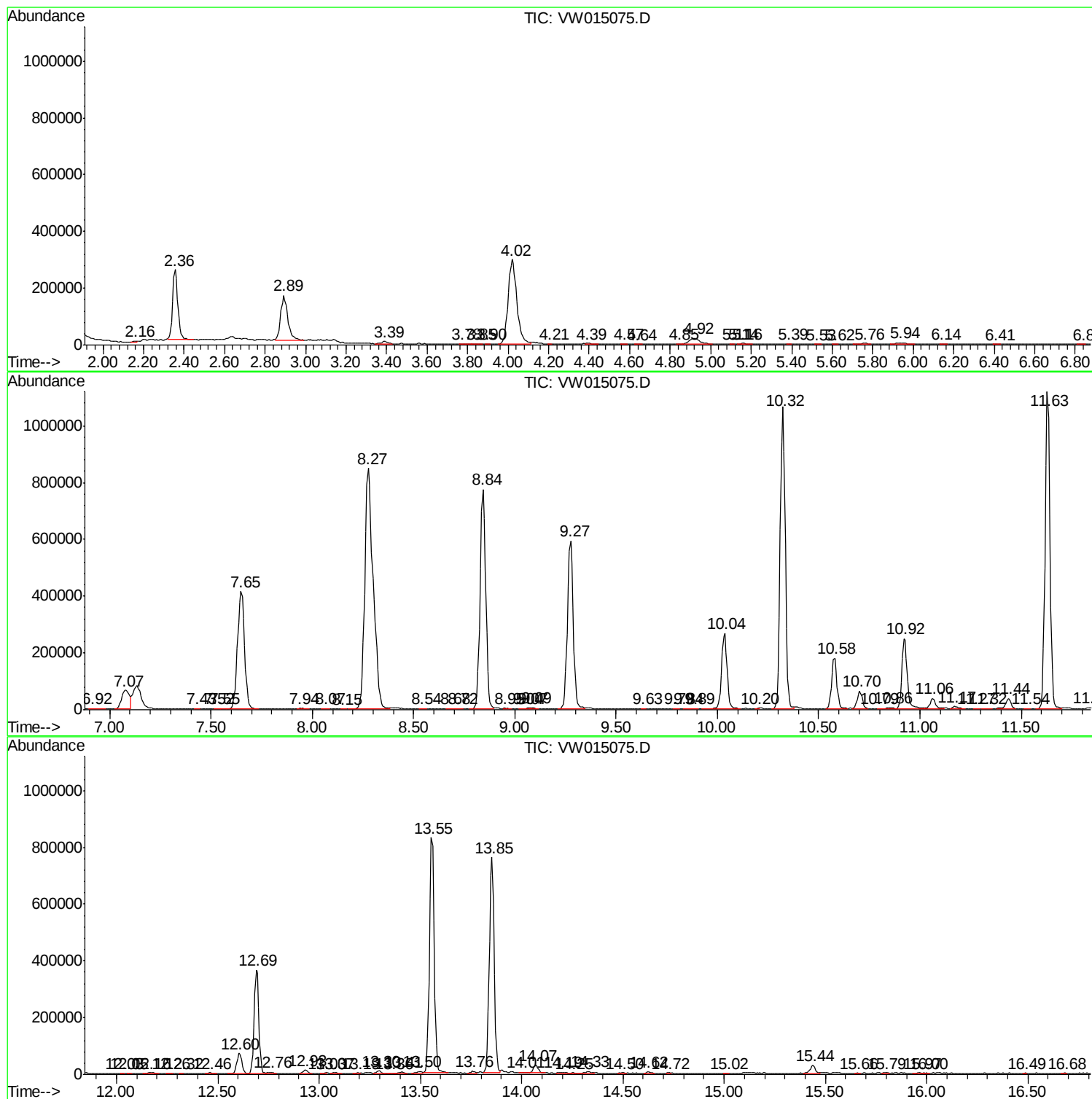
Sum of corrected areas: 17190002

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VBLK11

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022420S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022820\  
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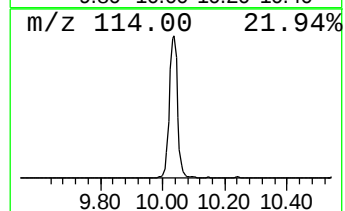
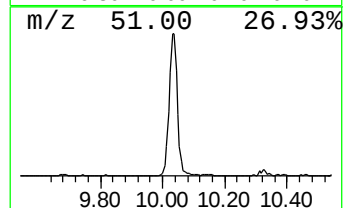
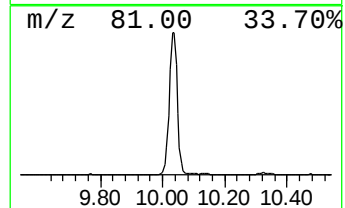
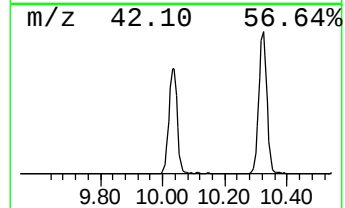
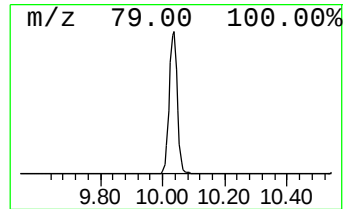
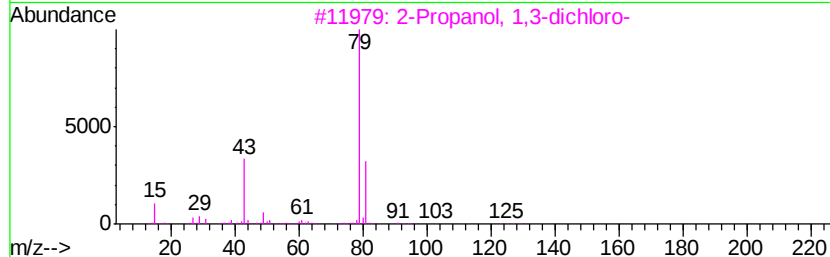
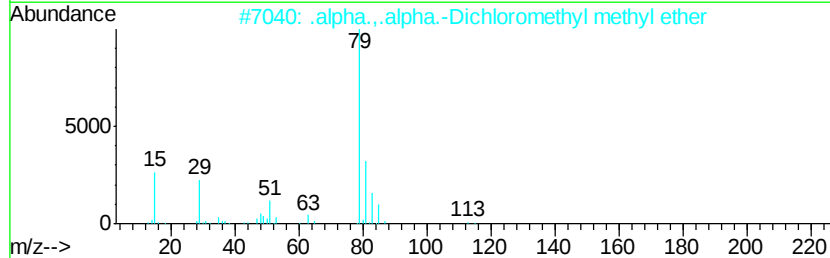
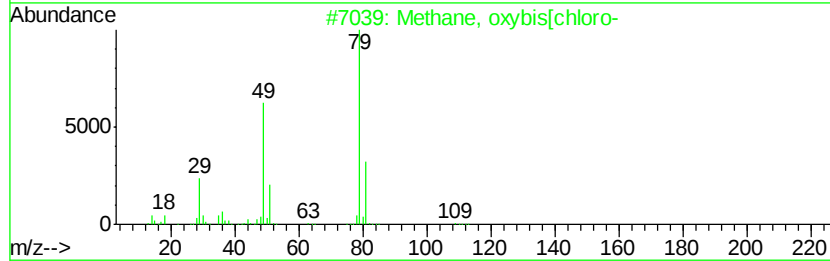
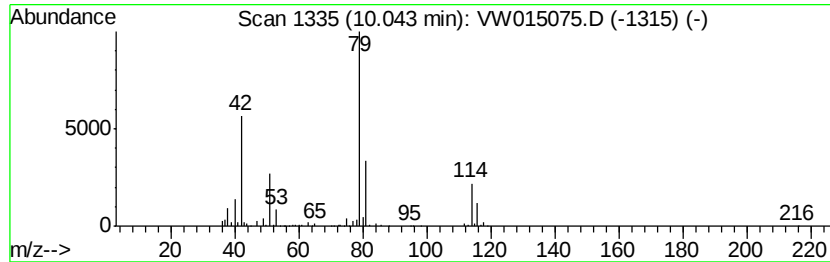
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022420S.M  
Quant Title : VOC Analysis

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

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Peak Number 2 unknown-01 Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD    | R.T.        |      |
|-----------|-------------------------------------|--------|---------------------|-------------|------|
| 10.04     | 8.39 ug/L                           | 504466 | 1,4-Difluorobenzene | 8.84        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm             | CAS#        | Qual |
| 1         | Methane, oxybis[chloro-             | 114    | C2H4Cl2O            | 000542-88-1 | 47   |
| 2         | .alpha.,.alpha.-Dichloromethyl m... | 114    | C2H4Cl2O            | 004885-02-3 | 43   |
| 3         | 2-Propanol, 1,3-dichloro-           | 128    | C3H6Cl2O            | 000096-23-1 | 23   |
| 4         | Thiophosgene                        | 114    | CCl2S               | 000463-71-8 | 22   |
| 5         | n-Propyl chloride                   | 78     | C3H7Cl              | 000540-54-5 | 9    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|-------|---------|-------|----------|-----------------------|------|---------|------|
|                  |       |         |       |          | #                     | RT   | Resp    | Conc |
| unknown-01       | 10.04 | 8.4     | ug/L  | 504466   | 1                     | 8.84 | 1502360 | 25.0 |