

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012920\  
 Data File : VW014801.D  
 Acq On : 29 Jan 2020 18:02  
 Operator : SY/VA  
 Sample : L1303-08  
 Misc : 4.87G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AF3

## 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\SOM2WLM012720S.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      | 2.154    | 36         | 41       | 44        | rBV2  | 8038        | 14273      | 0.00%        | 0.004%     |
| 2      | 2.202    | 44         | 49       | 50        | rBV2  | 8731        | 13144      | 0.00%        | 0.004%     |
| 3      | 2.349    | 67         | 73       | 83        | rVB   | 361453      | 621605     | 0.20%        | 0.183%     |
| 4      | 2.885    | 154        | 161      | 173       | rBV   | 239564      | 553704     | 0.18%        | 0.163%     |
| 5      | 3.385    | 240        | 243      | 249       | rVB7  | 2709        | 5119       | 0.00%        | 0.002%     |
| 6      | 3.690    | 289        | 293      | 297       | rVB5  | 759         | 1334       | 0.00%        | 0.000%     |
| 7      | 4.019    | 334        | 347      | 360       | rBV   | 455270      | 1404185    | 0.45%        | 0.413%     |
| 8      | 4.257    | 383        | 386      | 388       | rVB4  | 1199        | 1387       | 0.00%        | 0.000%     |
| 9      | 4.360    | 399        | 403      | 405       | rBV3  | 921         | 1448       | 0.00%        | 0.000%     |
| 10     | 4.385    | 405        | 407      | 410       | rBV4  | 843         | 1187       | 0.00%        | 0.000%     |
| 11     | 4.598    | 439        | 442      | 443       | rBV2  | 1068        | 1175       | 0.00%        | 0.000%     |
| 12     | 4.726    | 460        | 463      | 464       | rBV2  | 1171        | 1109       | 0.00%        | 0.000%     |
| 13     | 4.775    | 467        | 471      | 473       | rBV3  | 861         | 1041       | 0.00%        | 0.000%     |
| 14     | 4.915    | 480        | 494      | 513       | rBV2  | 58506       | 205909     | 0.07%        | 0.061%     |
| 15     | 5.165    | 532        | 535      | 537       | rVV4  | 799         | 1143       | 0.00%        | 0.000%     |
| 16     | 5.421    | 567        | 577      | 578       | rBV6  | 1627        | 3232       | 0.00%        | 0.001%     |
| 17     | 5.738    | 624        | 629      | 630       | rBV3  | 1058        | 1787       | 0.00%        | 0.001%     |
| 18     | 5.769    | 633        | 634      | 637       | rVV3  | 1911        | 1672       | 0.00%        | 0.000%     |
| 19     | 5.817    | 640        | 642      | 646       | rVB2  | 1136        | 1123       | 0.00%        | 0.000%     |
| 20     | 5.933    | 655        | 661      | 670       | rVB4  | 6356        | 19252      | 0.01%        | 0.006%     |
| 21     | 6.903    | 815        | 820      | 821       | rBV4  | 1726        | 2806       | 0.00%        | 0.001%     |
| 22     | 7.073    | 838        | 848      | 853       | rBV   | 89095       | 248779     | 0.08%        | 0.073%     |
| 23     | 7.165    | 855        | 863      | 878       | rVB2  | 280785      | 877973     | 0.28%        | 0.258%     |
| 24     | 7.524    | 918        | 922      | 923       | rBV4  | 1835        | 1946       | 0.00%        | 0.001%     |
| 25     | 7.549    | 924        | 926      | 930       | rVB3  | 2023        | 1870       | 0.00%        | 0.001%     |
| 26     | 7.646    | 930        | 942      | 955       | rBV   | 634860      | 1569203    | 0.51%        | 0.462%     |
| 27     | 7.945    | 985        | 991      | 998       | rVB7  | 2355        | 6683       | 0.00%        | 0.002%     |
| 28     | 8.043    | 1000       | 1007     | 1008      | rBV4  | 1252        | 2120       | 0.00%        | 0.001%     |
| 29     | 8.061    | 1008       | 1010     | 1017      | rVB4  | 1778        | 2821       | 0.00%        | 0.001%     |
| 30     | 8.274    | 1032       | 1045     | 1064      | rBV2  | 1321428     | 3856248    | 1.24%        | 1.135%     |
| 31     | 8.402    | 1064       | 1066     | 1068      | rVB3  | 2053        | 1418       | 0.00%        | 0.000%     |
| 32     | 8.537    | 1085       | 1088     | 1089      | rBV3  | 938         | 1030       | 0.00%        | 0.000%     |
| 33     | 8.628    | 1101       | 1103     | 1106      | rVB4  | 1418        | 1533       | 0.00%        | 0.000%     |
| 34     | 8.689    | 1106       | 1113     | 1118      | rBV7  | 2100        | 5253       | 0.00%        | 0.002%     |

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 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |           |           |         |         |
|----|--------|------|------|------|------|-----------|-----------|---------|---------|
| 35 | 8.732  | 1118 | 1120 | 1125 | rVB3 | 1076      | 1385      | 0.00%   | 0.000%  |
| 36 | 8.841  | 1129 | 1138 | 1151 | rBV  | 1331006   | 2612029   | 0.84%   | 0.769%  |
| 37 | 9.024  | 1163 | 1168 | 1172 | rVV  | 35754     | 70135     | 0.02%   | 0.021%  |
| 38 | 9.091  | 1172 | 1179 | 1188 | rVB  | 397707    | 811569    | 0.26%   | 0.239%  |
| 39 | 9.274  | 1198 | 1209 | 1223 | rBV  | 901519    | 1837046   | 0.59%   | 0.541%  |
| 40 | 9.512  | 1243 | 1248 | 1252 | rVB3 | 3190      | 5796      | 0.00%   | 0.002%  |
| 41 | 9.652  | 1266 | 1271 | 1276 | rVB7 | 3558      | 7007      | 0.00%   | 0.002%  |
| 42 | 9.884  | 1307 | 1309 | 1313 | rVB4 | 1823      | 2619      | 0.00%   | 0.001%  |
| 43 | 9.969  | 1321 | 1323 | 1324 | rBV2 | 1372      | 1289      | 0.00%   | 0.000%  |
| 44 | 10.030 | 1324 | 1333 | 1344 | rBV  | 450296    | 821174    | 0.26%   | 0.242%  |
| 45 | 10.122 | 1344 | 1348 | 1350 | rVV5 | 1285      | 1302      | 0.00%   | 0.000%  |
| 46 | 10.213 | 1357 | 1363 | 1372 | rBV2 | 7824      | 18783     | 0.01%   | 0.006%  |
| 47 | 10.323 | 1373 | 1381 | 1389 | rVV  | 1917662   | 3351680   | 1.08%   | 0.987%  |
| 48 | 10.384 | 1389 | 1391 | 1397 | rVB3 | 11661     | 18063     | 0.01%   | 0.005%  |
| 49 | 10.579 | 1415 | 1423 | 1430 | rBV  | 291459    | 511654    | 0.16%   | 0.151%  |
| 50 | 10.664 | 1431 | 1437 | 1440 | rBV2 | 60686     | 113968    | 0.04%   | 0.034%  |
| 51 | 10.707 | 1440 | 1444 | 1450 | rVV  | 82610     | 137040    | 0.04%   | 0.040%  |
| 52 | 10.768 | 1451 | 1454 | 1456 | rBV2 | 26349     | 39554     | 0.01%   | 0.012%  |
| 53 | 10.871 | 1461 | 1471 | 1479 | rBV4 | 120835428 | 310157021 | 100.00% | 91.293% |
| 54 | 11.060 | 1498 | 1502 | 1507 | rVB  | 55821     | 87859     | 0.03%   | 0.026%  |
| 55 | 11.335 | 1544 | 1547 | 1556 | rVB2 | 15757     | 25429     | 0.01%   | 0.007%  |
| 56 | 11.432 | 1559 | 1563 | 1569 | rVV  | 40541     | 69596     | 0.02%   | 0.020%  |
| 57 | 11.493 | 1569 | 1573 | 1577 | rVB5 | 6229      | 9418      | 0.00%   | 0.003%  |
| 58 | 11.627 | 1588 | 1595 | 1605 | rBV  | 1763453   | 3032734   | 0.98%   | 0.893%  |
| 59 | 11.725 | 1605 | 1611 | 1621 | rVB  | 173978    | 314891    | 0.10%   | 0.093%  |
| 60 | 11.835 | 1625 | 1629 | 1639 | rVB7 | 6115      | 12992     | 0.00%   | 0.004%  |
| 61 | 11.920 | 1639 | 1643 | 1646 | rBV4 | 3585      | 5139      | 0.00%   | 0.002%  |
| 62 | 12.018 | 1657 | 1659 | 1662 | rVB4 | 1584      | 1803      | 0.00%   | 0.001%  |
| 63 | 12.048 | 1662 | 1664 | 1669 | rBV5 | 1550      | 2558      | 0.00%   | 0.001%  |
| 64 | 12.164 | 1679 | 1683 | 1689 | rBV8 | 5325      | 10653     | 0.00%   | 0.003%  |
| 65 | 12.225 | 1689 | 1693 | 1702 | rVB7 | 5936      | 11484     | 0.00%   | 0.003%  |
| 66 | 12.341 | 1710 | 1712 | 1720 | rVB5 | 1977      | 3698      | 0.00%   | 0.001%  |
| 67 | 12.463 | 1726 | 1732 | 1737 | rBV8 | 3183      | 6960      | 0.00%   | 0.002%  |
| 68 | 12.609 | 1749 | 1756 | 1761 | rVV  | 98144     | 170349    | 0.05%   | 0.050%  |
| 69 | 12.688 | 1762 | 1769 | 1777 | rBV  | 556896    | 934465    | 0.30%   | 0.275%  |
| 70 | 12.755 | 1777 | 1780 | 1784 | rVB6 | 4130      | 6689      | 0.00%   | 0.002%  |
| 71 | 12.865 | 1794 | 1798 | 1799 | rBV3 | 1531      | 1681      | 0.00%   | 0.000%  |

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## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
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 Start Thrs: 0.2  
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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\SOM2WLM012720S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |       |        |
|-----|--------|------|------|------|------|---------|---------|-------|--------|
| 72  | 12.883 | 1799 | 1801 | 1804 | rVV3 | 1862    | 2292    | 0.00% | 0.001% |
| 73  | 12.932 | 1804 | 1809 | 1816 | rVB  | 19852   | 32875   | 0.01% | 0.010% |
| 74  | 13.036 | 1823 | 1826 | 1829 | rBV4 | 2046    | 2122    | 0.00% | 0.001% |
| 75  | 13.078 | 1831 | 1833 | 1835 | rVB3 | 1525    | 1122    | 0.00% | 0.000% |
| 76  | 13.121 | 1835 | 1840 | 1844 | rVB7 | 3375    | 5527    | 0.00% | 0.002% |
| 77  | 13.158 | 1844 | 1846 | 1848 | rBV3 | 1084    | 1026    | 0.00% | 0.000% |
| 78  | 13.200 | 1848 | 1853 | 1855 | rBV5 | 3182    | 5151    | 0.00% | 0.002% |
| 79  | 13.298 | 1864 | 1869 | 1874 | rVB3 | 19482   | 32587   | 0.01% | 0.010% |
| 80  | 13.402 | 1878 | 1886 | 1891 | rBV7 | 5657    | 10972   | 0.00% | 0.003% |
| 81  | 13.469 | 1891 | 1897 | 1901 | rBV5 | 11187   | 20412   | 0.01% | 0.006% |
| 82  | 13.554 | 1904 | 1911 | 1923 | rVV  | 1577880 | 2521084 | 0.81% | 0.742% |
| 83  | 13.645 | 1923 | 1926 | 1934 | rVB6 | 9536    | 17928   | 0.01% | 0.005% |
| 84  | 13.755 | 1941 | 1944 | 1949 | rBV6 | 4621    | 8254    | 0.00% | 0.002% |
| 85  | 13.853 | 1953 | 1960 | 1967 | rVV  | 1388391 | 2273433 | 0.73% | 0.669% |
| 86  | 14.066 | 1990 | 1995 | 2005 | rVB2 | 35053   | 60860   | 0.02% | 0.018% |
| 87  | 14.206 | 2010 | 2018 | 2022 | rBV7 | 3804    | 9863    | 0.00% | 0.003% |
| 88  | 14.322 | 2028 | 2037 | 2041 | rBV9 | 6829    | 16068   | 0.01% | 0.005% |
| 89  | 14.474 | 2056 | 2062 | 2064 | rBV5 | 2321    | 3916    | 0.00% | 0.001% |
| 90  | 14.523 | 2067 | 2070 | 2074 | rVB5 | 4146    | 6130    | 0.00% | 0.002% |
| 91  | 14.627 | 2084 | 2087 | 2090 | rVB3 | 3447    | 4066    | 0.00% | 0.001% |
| 92  | 14.688 | 2095 | 2097 | 2099 | rBV3 | 1161    | 1258    | 0.00% | 0.000% |
| 93  | 14.718 | 2100 | 2102 | 2111 | rVB7 | 3975    | 5650    | 0.00% | 0.002% |
| 94  | 14.822 | 2118 | 2119 | 2123 | rBV4 | 1598    | 1901    | 0.00% | 0.001% |
| 95  | 15.102 | 2163 | 2165 | 2167 | rVB3 | 1716    | 1498    | 0.00% | 0.000% |
| 96  | 15.182 | 2174 | 2178 | 2182 | rBV6 | 2357    | 4004    | 0.00% | 0.001% |
| 97  | 15.438 | 2215 | 2220 | 2225 | rVB3 | 11289   | 20092   | 0.01% | 0.006% |
| 98  | 15.663 | 2255 | 2257 | 2258 | rBV2 | 1130    | 984     | 0.00% | 0.000% |
| 99  | 15.694 | 2260 | 2262 | 2265 | rVB4 | 1713    | 1856    | 0.00% | 0.001% |
| 100 | 15.761 | 2271 | 2273 | 2276 | rBV4 | 2222    | 2710    | 0.00% | 0.001% |

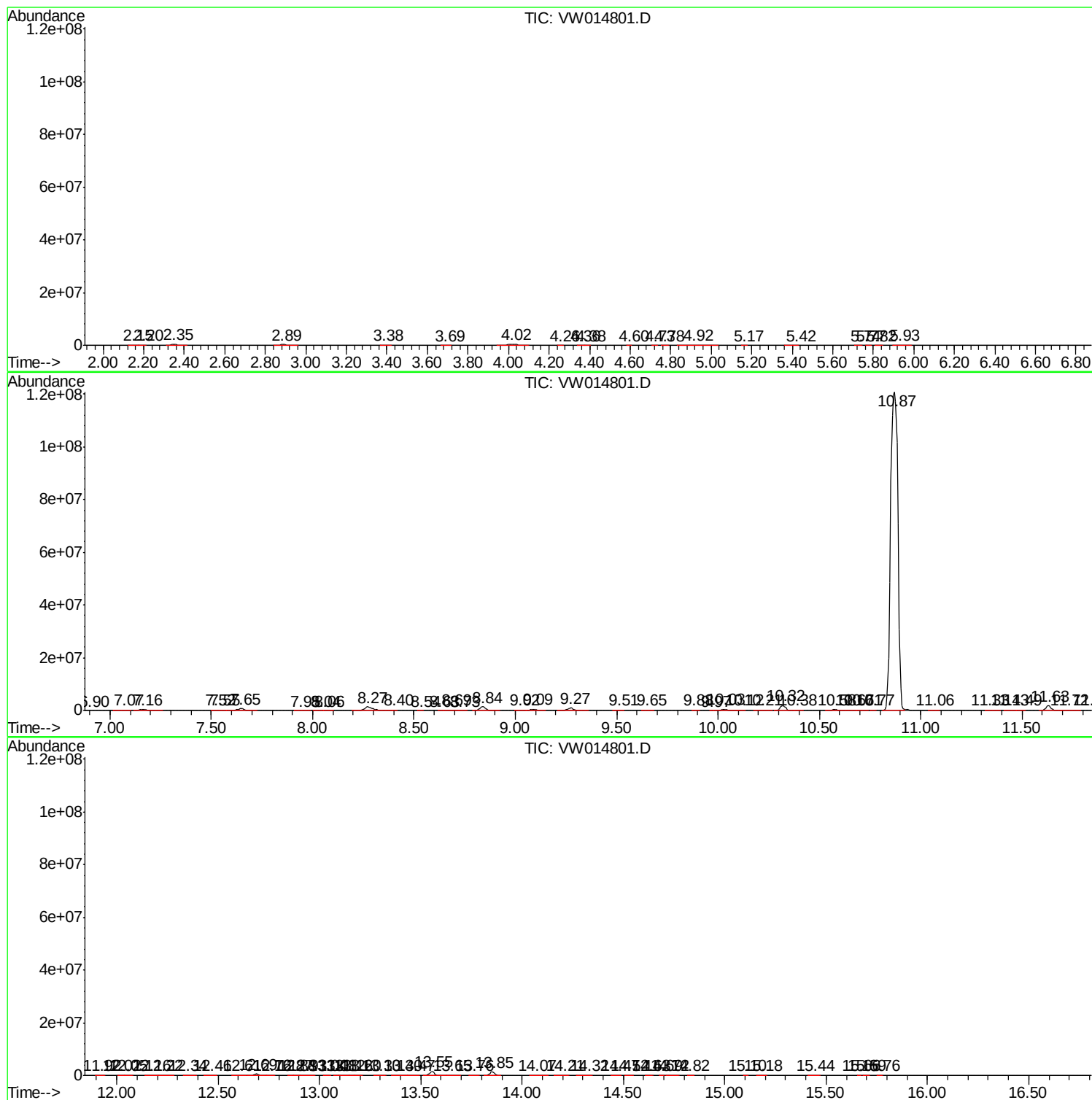
Sum of corrected areas: 339737665

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012920\  
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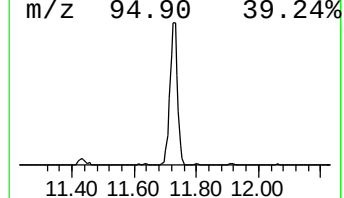
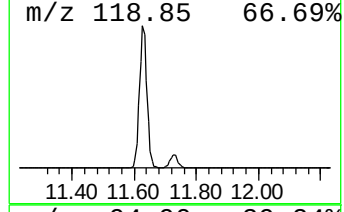
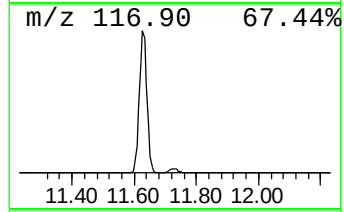
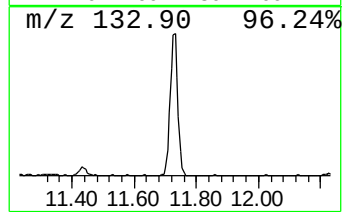
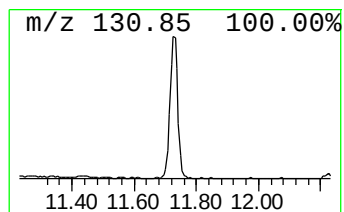
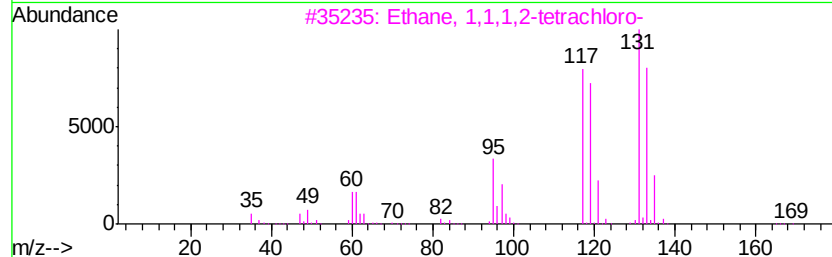
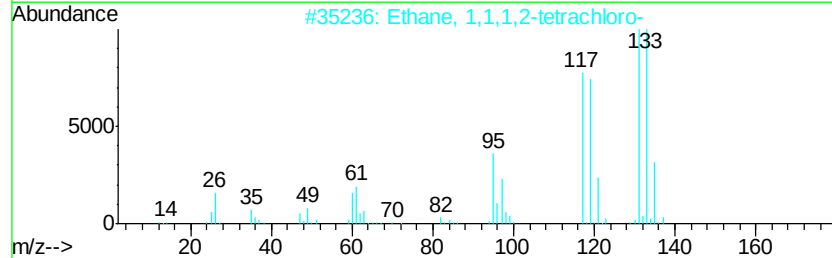
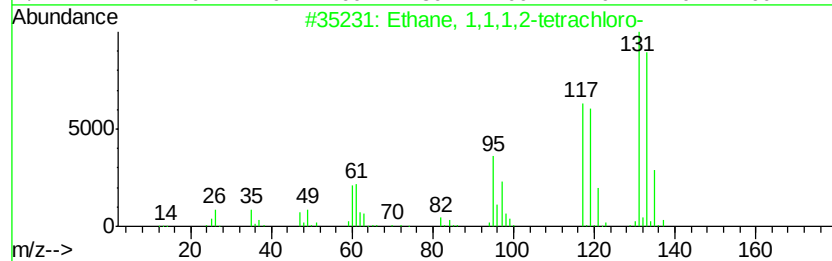
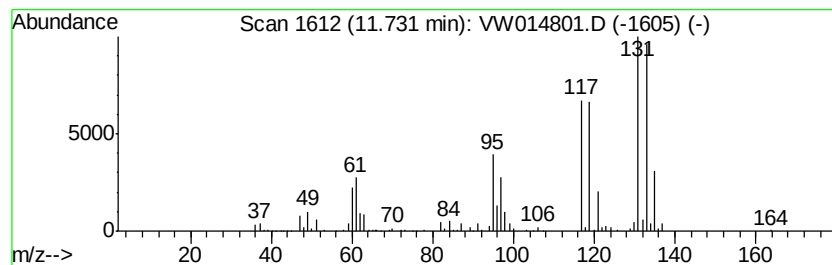
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
Quant Title : VOC Analysis

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

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Peak Number 2 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 2

| R.T.    | EstConc                      | Area         | Relative to ISTD | R.T.        |      |      |
|---------|------------------------------|--------------|------------------|-------------|------|------|
| 11.73   | 2.60 ug/L                    | 314891       | Chlorobenzene-d5 | 11.63       |      |      |
| Hit# of | 5                            | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | Ethane, 1,1,1,2-tetrachloro- | 166          | C2H2Cl4          | 000630-20-6 | 90   |      |
| 2       | Ethane, 1,1,1,2-tetrachloro- | 166          | C2H2Cl4          | 000630-20-6 | 83   |      |
| 3       | Ethane, 1,1,1,2-tetrachloro- | 166          | C2H2Cl4          | 000630-20-6 | 80   |      |
| 4       | Ethane, 1,1,1,2-tetrachloro- | 166          | C2H2Cl4          | 000630-20-6 | 59   |      |
| 5       | Clorethate                   | 322          | C5H4Cl603        | 005634-37-7 | 58   |      |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Ethane, 1,1,1,2-t... | 11.73 | 2.6     | ug/L  | 314891   | 2                     | 11.63 | 3032730 | 25.0 |