

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\  
 Data File : VW014647.D  
 Acq On : 15 Jan 2020 12:03  
 Operator : SY/VA  
 Sample : L1109-18RE  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GASH7RE

## 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\SOM2WLM122719S.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         | 2.471       | 91            | 93          | 95           | rBV2     | 1124           | 786           | 0.02%           | 0.003%        |
| 2         | 2.501       | 95            | 98          | 99           | rVV3     | 967            | 1050          | 0.03%           | 0.004%        |
| 3         | 2.526       | 99            | 102         | 109          | rVB7     | 2015           | 3893          | 0.10%           | 0.014%        |
| 4         | 2.727       | 133           | 135         | 137          | rVB3     | 689            | 636           | 0.02%           | 0.002%        |
| 5         | 2.751       | 137           | 139         | 140          | rBV      | 828            | 745           | 0.02%           | 0.003%        |
| 6         | 3.007       | 168           | 181         | 194          | rBV      | 407140         | 1302392       | 33.64%          | 4.697%        |
| 7         | 3.373       | 236           | 241         | 243          | rBV4     | 2658           | 4538          | 0.12%           | 0.016%        |
| 8         | 3.678       | 285           | 291         | 292          | rBV3     | 511            | 1038          | 0.03%           | 0.004%        |
| 9         | 3.794       | 306           | 310         | 313          | rBV3     | 537            | 737           | 0.02%           | 0.003%        |
| 10        | 3.909       | 316           | 329         | 342          | rBV3     | 20952          | 74930         | 1.94%           | 0.270%        |
| 11        | 4.068       | 353           | 355         | 358          | rVV3     | 661            | 681           | 0.02%           | 0.002%        |
| 12        | 4.111       | 358           | 362         | 363          | rBV3     | 723            | 654           | 0.02%           | 0.002%        |
| 13        | 4.129       | 363           | 365         | 367          | rBV3     | 1062           | 1109          | 0.03%           | 0.004%        |
| 14        | 4.428       | 412           | 414         | 418          | rVB3     | 665            | 1057          | 0.03%           | 0.004%        |
| 15        | 4.812       | 473           | 477         | 478          | rBV2     | 826            | 961           | 0.02%           | 0.003%        |
| 16        | 5.037       | 505           | 514         | 515          | rBV4     | 6130           | 11294         | 0.29%           | 0.041%        |
| 17        | 5.360       | 564           | 567         | 568          | rBV      | 837            | 723           | 0.02%           | 0.003%        |
| 18        | 5.653       | 611           | 615         | 616          | rBV2     | 1051           | 1011          | 0.03%           | 0.004%        |
| 19        | 5.702       | 621           | 623         | 626          | rVB3     | 734            | 915           | 0.02%           | 0.003%        |
| 20        | 5.812       | 637           | 641         | 646          | rVB5     | 775            | 1538          | 0.04%           | 0.006%        |
| 21        | 5.866       | 649           | 650         | 653          | rBV      | 1052           | 854           | 0.02%           | 0.003%        |
| 22        | 6.458       | 735           | 747         | 756          | rBV      | 62014          | 204732        | 5.29%           | 0.738%        |
| 23        | 6.568       | 757           | 765         | 779          | rVB      | 54023          | 193285        | 4.99%           | 0.697%        |
| 24        | 6.714       | 788           | 789         | 791          | rVB2     | 1228           | 661           | 0.02%           | 0.002%        |
| 25        | 6.903       | 818           | 820         | 821          | rBV2     | 707            | 628           | 0.02%           | 0.002%        |
| 26        | 7.000       | 831           | 836         | 838          | rBV4     | 1035           | 2026          | 0.05%           | 0.007%        |
| 27        | 7.171       | 852           | 864         | 879          | rBV      | 450125         | 1310273       | 33.84%          | 4.726%        |
| 28        | 7.269       | 879           | 880         | 882          | rVV      | 1570           | 758           | 0.02%           | 0.003%        |
| 29        | 7.348       | 889           | 893         | 894          | rBV3     | 927            | 932           | 0.02%           | 0.003%        |
| 30        | 7.549       | 920           | 926         | 930          | rBV4     | 2632           | 5835          | 0.15%           | 0.021%        |
| 31        | 7.653       | 940           | 943         | 946          | rBV2     | 594            | 627           | 0.02%           | 0.002%        |
| 32        | 7.909       | 973           | 985         | 1006         | rBV2     | 1006036        | 3281663       | 84.76%          | 11.836%       |
| 33        | 8.049       | 1006          | 1008        | 1009         | rBV2     | 1467           | 1122          | 0.03%           | 0.004%        |
| 34        | 8.177       | 1026          | 1029        | 1031         | rBV4     | 959            | 1170          | 0.03%           | 0.004%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\  
 Data File : VW014647.D  
 Acq On : 15 Jan 2020 12:03  
 Operator : SY/VA  
 Sample : L1109-18RE  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GASH7RE

## 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\SOM2WLM122719S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 8.262  | 1041 | 1043 | 1044 | rBV2 | 1090    | 627     | 0.02%   | 0.002%  |
| 36 | 8.348  | 1055 | 1057 | 1058 | rVB2 | 1193    | 770     | 0.02%   | 0.003%  |
| 37 | 8.403  | 1058 | 1066 | 1067 | rBV5 | 2060    | 3357    | 0.09%   | 0.012%  |
| 38 | 8.579  | 1085 | 1095 | 1113 | rBV  | 1611351 | 3436344 | 88.75%  | 12.394% |
| 39 | 8.823  | 1128 | 1135 | 1143 | rBV6 | 10430   | 26078   | 0.67%   | 0.094%  |
| 40 | 8.976  | 1155 | 1160 | 1161 | rBV3 | 817     | 808     | 0.02%   | 0.003%  |
| 41 | 9.049  | 1163 | 1172 | 1183 | rBV  | 689604  | 1483487 | 38.31%  | 5.350%  |
| 42 | 9.482  | 1238 | 1243 | 1244 | rBV3 | 2249    | 2973    | 0.08%   | 0.011%  |
| 43 | 9.713  | 1278 | 1281 | 1283 | rBV3 | 990     | 1322    | 0.03%   | 0.005%  |
| 44 | 9.811  | 1295 | 1297 | 1298 | rBV2 | 778     | 647     | 0.02%   | 0.002%  |
| 45 | 9.890  | 1301 | 1310 | 1321 | rBV  | 368322  | 676305  | 17.47%  | 2.439%  |
| 46 | 10.085 | 1336 | 1342 | 1351 | rBV4 | 5189    | 11259   | 0.29%   | 0.041%  |
| 47 | 10.195 | 1352 | 1360 | 1368 | rBV  | 1593046 | 2851632 | 73.65%  | 10.285% |
| 48 | 10.353 | 1383 | 1386 | 1388 | rVB4 | 835     | 890     | 0.02%   | 0.003%  |
| 49 | 10.475 | 1399 | 1406 | 1414 | rBV  | 230472  | 409004  | 10.56%  | 1.475%  |
| 50 | 10.628 | 1423 | 1431 | 1438 | rBV  | 61049   | 108241  | 2.80%   | 0.390%  |
| 51 | 10.762 | 1446 | 1453 | 1458 | rBV7 | 6102    | 11280   | 0.29%   | 0.041%  |
| 52 | 10.847 | 1460 | 1467 | 1483 | rBV  | 268227  | 475495  | 12.28%  | 1.715%  |
| 53 | 11.012 | 1488 | 1494 | 1500 | rVV  | 44801   | 77783   | 2.01%   | 0.281%  |
| 54 | 11.109 | 1505 | 1510 | 1514 | rVB6 | 4306    | 7839    | 0.20%   | 0.028%  |
| 55 | 11.317 | 1541 | 1544 | 1545 | rBV2 | 749     | 724     | 0.02%   | 0.003%  |
| 56 | 11.353 | 1545 | 1550 | 1552 | rVV4 | 1865    | 3673    | 0.09%   | 0.013%  |
| 57 | 11.396 | 1552 | 1557 | 1562 | rVV2 | 25723   | 41849   | 1.08%   | 0.151%  |
| 58 | 11.457 | 1566 | 1567 | 1571 | rVB4 | 1131    | 1215    | 0.03%   | 0.004%  |
| 59 | 11.573 | 1577 | 1586 | 1597 | rBV  | 2279236 | 3871895 | 100.00% | 13.965% |
| 60 | 11.682 | 1599 | 1604 | 1608 | rVB5 | 3953    | 7625    | 0.20%   | 0.028%  |
| 61 | 11.786 | 1616 | 1621 | 1626 | rBV4 | 4932    | 10863   | 0.28%   | 0.039%  |
| 62 | 11.993 | 1649 | 1655 | 1658 | rBV6 | 2682    | 5301    | 0.14%   | 0.019%  |
| 63 | 12.134 | 1673 | 1678 | 1684 | rVB5 | 7261    | 14960   | 0.39%   | 0.054%  |
| 64 | 12.432 | 1723 | 1727 | 1735 | rBV7 | 5644    | 9692    | 0.25%   | 0.035%  |
| 65 | 12.530 | 1741 | 1743 | 1745 | rVB2 | 841     | 699     | 0.02%   | 0.003%  |
| 66 | 12.591 | 1745 | 1753 | 1759 | rBV  | 96123   | 160878  | 4.16%   | 0.580%  |
| 67 | 12.670 | 1759 | 1766 | 1773 | rVB  | 456074  | 751325  | 19.40%  | 2.710%  |
| 68 | 12.743 | 1775 | 1778 | 1788 | rVB6 | 5549    | 10762   | 0.28%   | 0.039%  |
| 69 | 12.841 | 1792 | 1794 | 1797 | rBV4 | 1064    | 1500    | 0.04%   | 0.005%  |
| 70 | 12.920 | 1803 | 1807 | 1813 | rVB  | 26128   | 42831   | 1.11%   | 0.154%  |
| 71 | 12.975 | 1813 | 1816 | 1820 | rVB6 | 1065    | 1476    | 0.04%   | 0.005%  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\  
 Data File : VW014647.D  
 Acq On : 15 Jan 2020 12:03  
 Operator : SY/VA  
 Sample : L1109-18RE  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GASH7RE

## 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\SOM2WLM122719S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |         |
|-----|--------|------|------|------|------|---------|---------|--------|---------|
| 72  | 13.018 | 1820 | 1823 | 1827 | rVB4 | 2758    | 3238    | 0.08%  | 0.012%  |
| 73  | 13.060 | 1827 | 1830 | 1837 | rVB6 | 2923    | 4371    | 0.11%  | 0.016%  |
| 74  | 13.146 | 1841 | 1844 | 1845 | rBV2 | 1227    | 1271    | 0.03%  | 0.005%  |
| 75  | 13.182 | 1847 | 1850 | 1851 | rBV3 | 1824    | 2092    | 0.05%  | 0.008%  |
| 76  | 13.237 | 1855 | 1859 | 1861 | rVV4 | 5856    | 8776    | 0.23%  | 0.032%  |
| 77  | 13.286 | 1864 | 1867 | 1873 | rVB3 | 13757   | 21659   | 0.56%  | 0.078%  |
| 78  | 13.335 | 1873 | 1875 | 1877 | rBV3 | 830     | 769     | 0.02%  | 0.003%  |
| 79  | 13.389 | 1878 | 1884 | 1888 | rVB4 | 4799    | 8186    | 0.21%  | 0.030%  |
| 80  | 13.457 | 1888 | 1895 | 1898 | rBV8 | 7970    | 16315   | 0.42%  | 0.059%  |
| 81  | 13.542 | 1902 | 1909 | 1922 | rVV  | 2192919 | 3526788 | 91.09% | 12.720% |
| 82  | 13.633 | 1922 | 1924 | 1932 | rVB5 | 9224    | 15234   | 0.39%  | 0.055%  |
| 83  | 13.755 | 1939 | 1944 | 1946 | rBV4 | 9123    | 15875   | 0.41%  | 0.057%  |
| 84  | 13.841 | 1951 | 1958 | 1966 | rVV  | 1244711 | 2045685 | 52.83% | 7.378%  |
| 85  | 14.011 | 1981 | 1986 | 1987 | rBV4 | 7489    | 10220   | 0.26%  | 0.037%  |
| 86  | 14.066 | 1991 | 1995 | 2005 | rVB3 | 43768   | 83907   | 2.17%  | 0.303%  |
| 87  | 14.188 | 2011 | 2015 | 2021 | rBV5 | 11008   | 24546   | 0.63%  | 0.089%  |
| 88  | 14.322 | 2033 | 2037 | 2042 | rBV4 | 12337   | 21859   | 0.56%  | 0.079%  |
| 89  | 14.389 | 2045 | 2048 | 2049 | rBV3 | 6104    | 6692    | 0.17%  | 0.024%  |
| 90  | 14.450 | 2055 | 2058 | 2062 | rBV  | 19416   | 26800   | 0.69%  | 0.097%  |
| 91  | 14.487 | 2062 | 2064 | 2070 | rVB6 | 9476    | 14952   | 0.39%  | 0.054%  |
| 92  | 14.688 | 2092 | 2097 | 2099 | rBV4 | 14773   | 24825   | 0.64%  | 0.090%  |
| 93  | 14.719 | 2099 | 2102 | 2107 | rVB3 | 26983   | 41342   | 1.07%  | 0.149%  |
| 94  | 14.786 | 2107 | 2113 | 2120 | rBV3 | 65277   | 132600  | 3.42%  | 0.478%  |
| 95  | 14.950 | 2134 | 2140 | 2149 | rBV2 | 53909   | 95825   | 2.47%  | 0.346%  |
| 96  | 15.060 | 2150 | 2158 | 2161 | rBV5 | 18227   | 36322   | 0.94%  | 0.131%  |
| 97  | 15.359 | 2203 | 2207 | 2214 | rVB  | 37412   | 61829   | 1.60%  | 0.223%  |
| 98  | 15.432 | 2215 | 2219 | 2230 | rBV3 | 51463   | 101396  | 2.62%  | 0.366%  |
| 99  | 16.438 | 2380 | 2384 | 2390 | rVB  | 25414   | 47933   | 1.24%  | 0.173%  |
| 100 | 16.639 | 2410 | 2417 | 2429 | rVB  | 166976  | 386358  | 9.98%  | 1.393%  |

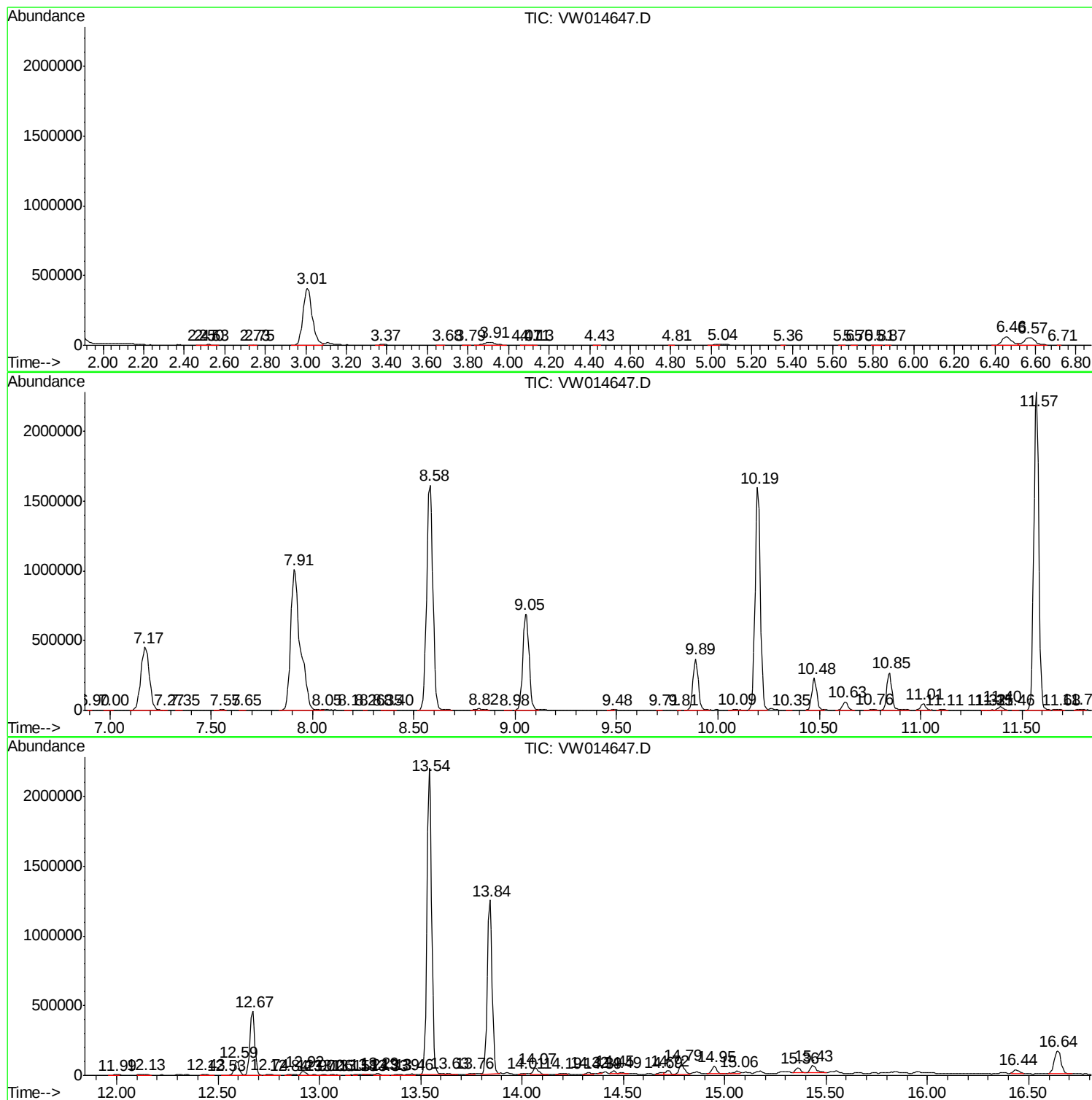
Sum of corrected areas: 27726328

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\  
Data File : VW014647.D  
Acq On : 15 Jan 2020 12:03  
Operator : SY/VA  
Sample : L1109-18RE  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GASH7RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011520\  
Data File : VW014647.D  
Acq On : 15 Jan 2020 12:03  
Operator : SY/VA  
Sample : L1109-18RE  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GASH7RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
Quant Title : VOC Analysis

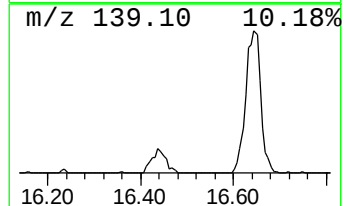
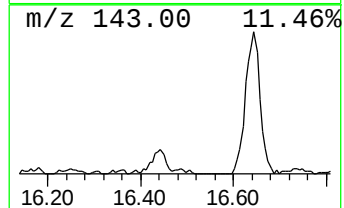
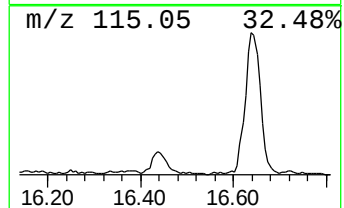
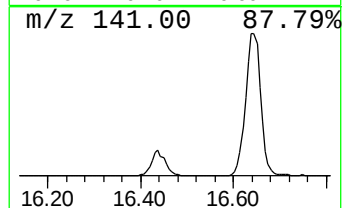
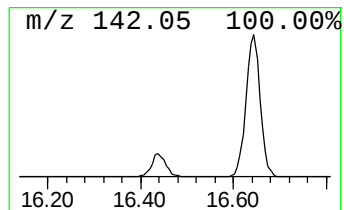
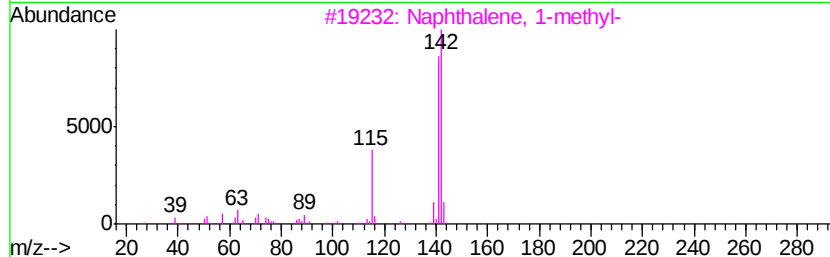
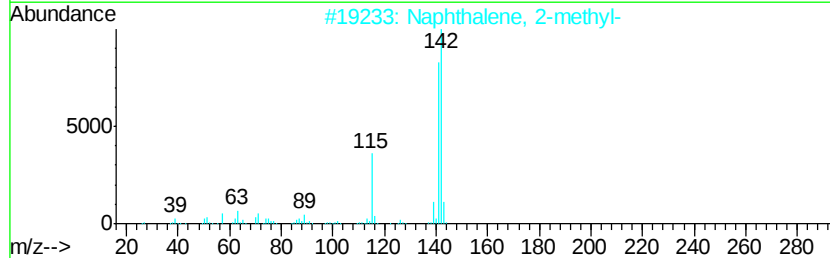
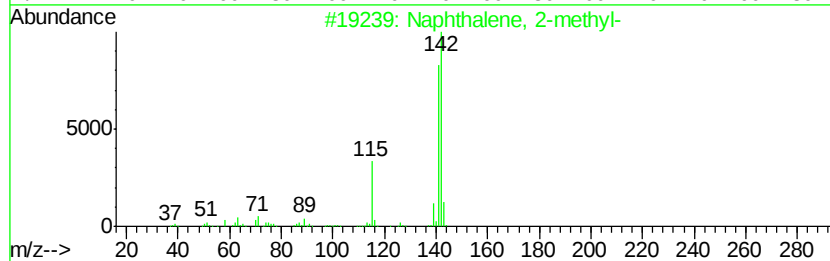
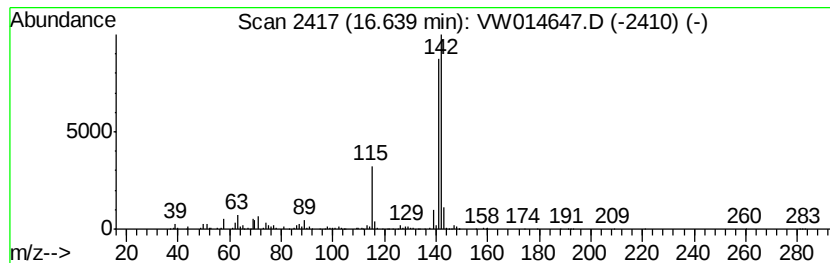
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 16.64 | 2.74 ug/L | 386358 | 1,4-Dichlorobenzene-d4 | 13.54 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 4    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 94   |
| 5    |    | Benzocycloheptatriene  | 142 | C11H10  | 000264-09-5 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW011520\  
Data File : VW014647.D  
Acq On : 15 Jan 2020 12:03  
Operator : SY/VA  
Sample : L1109-18RE  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GASH7RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.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 |
| Naphthalene, 1-me... | 16.64 | 2.7     | ug/L  | 386358   | 3                     | 13.54 | 3526790 | 25.0 |