

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW080218\  
 Data File : VW004406.D  
 Acq On : 02 Aug 2018 17:55  
 Operator : SY/AP  
 Sample : VW0802SBL01  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK93

## 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\SOM2WLM080218S.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         | 1.745       | 16            | 26          | 29           | rBV      | 30034          | 66735         | 1.19%           | 0.228%        |
| 2         | 1.813       | 29            | 37          | 59           | rVB      | 2131135        | 5591477       | 100.00%         | 19.114%       |
| 3         | 2.355       | 120           | 126         | 140          | rBV      | 144499         | 356778        | 6.38%           | 1.220%        |
| 4         | 2.885       | 208           | 213         | 231          | rVB      | 122169         | 345725        | 6.18%           | 1.182%        |
| 5         | 4.007       | 386           | 397         | 414          | rBV      | 278913         | 924489        | 16.53%          | 3.160%        |
| 6         | 4.922       | 535           | 547         | 561          | rBV5     | 27637          | 125490        | 2.24%           | 0.429%        |
| 7         | 5.208       | 591           | 594         | 595          | rBV3     | 907            | 1065          | 0.02%           | 0.004%        |
| 8         | 5.385       | 618           | 623         | 624          | rBV3     | 1414           | 2145          | 0.04%           | 0.007%        |
| 9         | 5.483       | 637           | 639         | 642          | rVB4     | 924            | 1020          | 0.02%           | 0.003%        |
| 10        | 5.635       | 661           | 664         | 668          | rVB3     | 1075           | 1409          | 0.03%           | 0.005%        |
| 11        | 5.745       | 672           | 682         | 693          | rVV7     | 8808           | 29962         | 0.54%           | 0.102%        |
| 12        | 5.934       | 703           | 713         | 724          | rVB3     | 9909           | 30991         | 0.55%           | 0.106%        |
| 13        | 6.019       | 724           | 727         | 730          | rBV4     | 1129           | 1479          | 0.03%           | 0.005%        |
| 14        | 6.092       | 734           | 739         | 740          | rBV3     | 1161           | 1405          | 0.03%           | 0.005%        |
| 15        | 6.111       | 740           | 742         | 745          | rVB4     | 967            | 1153          | 0.02%           | 0.004%        |
| 16        | 6.690       | 834           | 837         | 840          | rVB4     | 715            | 1011          | 0.02%           | 0.003%        |
| 17        | 6.897       | 869           | 871         | 873          | rBV3     | 997            | 1086          | 0.02%           | 0.004%        |
| 18        | 6.921       | 873           | 875         | 878          | rVB4     | 1017           | 1176          | 0.02%           | 0.004%        |
| 19        | 6.994       | 885           | 887         | 891          | rVB4     | 886            | 1146          | 0.02%           | 0.004%        |
| 20        | 7.092       | 891           | 903         | 908          | rBV      | 156740         | 453645        | 8.11%           | 1.551%        |
| 21        | 7.153       | 909           | 913         | 928          | rVB      | 170578         | 472822        | 8.46%           | 1.616%        |
| 22        | 7.525       | 968           | 974         | 975          | rBV6     | 1402           | 2737          | 0.05%           | 0.009%        |
| 23        | 7.647       | 984           | 994         | 1011         | rVB      | 476774         | 1161000       | 20.76%          | 3.969%        |
| 24        | 7.915       | 1036          | 1038        | 1040         | rVV3     | 1133           | 999           | 0.02%           | 0.003%        |
| 25        | 8.031       | 1055          | 1057        | 1060         | rBV3     | 1131           | 1082          | 0.02%           | 0.004%        |
| 26        | 8.159       | 1072          | 1078        | 1081         | rBV5     | 1803           | 3188          | 0.06%           | 0.011%        |
| 27        | 8.275       | 1085          | 1097        | 1113         | rBV2     | 939279         | 2862274       | 51.19%          | 9.784%        |
| 28        | 8.397       | 1115          | 1117        | 1123         | rVB7     | 2369           | 4164          | 0.07%           | 0.014%        |
| 29        | 8.506       | 1133          | 1135        | 1137         | rVB3     | 1330           | 1147          | 0.02%           | 0.004%        |
| 30        | 8.555       | 1140          | 1143        | 1146         | rBV4     | 1587           | 1888          | 0.03%           | 0.006%        |
| 31        | 8.671       | 1158          | 1162        | 1163         | rBV4     | 1133           | 1825          | 0.03%           | 0.006%        |
| 32        | 8.695       | 1163          | 1166        | 1174         | rVB7     | 3263           | 5142          | 0.09%           | 0.018%        |
| 33        | 8.848       | 1181          | 1191        | 1204         | rBV      | 922971         | 1846664       | 33.03%          | 6.313%        |
| 34        | 9.086       | 1222          | 1230        | 1233         | rBV8     | 3898           | 10017         | 0.18%           | 0.034%        |

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 Max Peaks: 100  
 Peak Location: TOP

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.140  | 1236 | 1239 | 1245 | rVB6 | 1259    | 2224    | 0.04%  | 0.008% |
| 36 | 9.275  | 1252 | 1261 | 1279 | rBV  | 626620  | 1295406 | 23.17% | 4.428% |
| 37 | 9.494  | 1295 | 1297 | 1299 | rBV2 | 1485    | 1643    | 0.03%  | 0.006% |
| 38 | 9.585  | 1309 | 1312 | 1314 | rBV4 | 1407    | 1123    | 0.02%  | 0.004% |
| 39 | 9.665  | 1320 | 1325 | 1331 | rVB4 | 3141    | 6439    | 0.12%  | 0.022% |
| 40 | 9.762  | 1338 | 1341 | 1344 | rVV4 | 753     | 1065    | 0.02%  | 0.004% |
| 41 | 9.829  | 1349 | 1352 | 1355 | rBV4 | 716     | 1011    | 0.02%  | 0.003% |
| 42 | 9.890  | 1360 | 1362 | 1370 | rVB9 | 2316    | 4380    | 0.08%  | 0.015% |
| 43 | 9.994  | 1370 | 1379 | 1380 | rBV4 | 11412   | 18972   | 0.34%  | 0.065% |
| 44 | 10.037 | 1380 | 1386 | 1395 | rVB  | 312323  | 559452  | 10.01% | 1.912% |
| 45 | 10.220 | 1411 | 1416 | 1418 | rBV3 | 1436    | 1702    | 0.03%  | 0.006% |
| 46 | 10.329 | 1426 | 1434 | 1441 | rBV  | 1215540 | 2119945 | 37.91% | 7.247% |
| 47 | 10.579 | 1467 | 1475 | 1488 | rBV  | 224885  | 394909  | 7.06%  | 1.350% |
| 48 | 10.713 | 1488 | 1497 | 1503 | rBV  | 273097  | 508681  | 9.10%  | 1.739% |
| 49 | 10.854 | 1515 | 1520 | 1526 | rVB2 | 16378   | 26185   | 0.47%  | 0.090% |
| 50 | 10.933 | 1526 | 1533 | 1548 | rBV  | 611112  | 1062888 | 19.01% | 3.633% |
| 51 | 11.073 | 1549 | 1556 | 1563 | rVV  | 199974  | 332263  | 5.94%  | 1.136% |
| 52 | 11.177 | 1568 | 1573 | 1581 | rVB2 | 26784   | 48580   | 0.87%  | 0.166% |
| 53 | 11.341 | 1597 | 1600 | 1606 | rBV7 | 2500    | 3972    | 0.07%  | 0.014% |
| 54 | 11.408 | 1606 | 1611 | 1613 | rVV3 | 12056   | 17786   | 0.32%  | 0.061% |
| 55 | 11.445 | 1613 | 1617 | 1624 | rVB2 | 26228   | 46021   | 0.82%  | 0.157% |
| 56 | 11.634 | 1639 | 1648 | 1658 | rBV  | 1430621 | 2374435 | 42.47% | 8.117% |
| 57 | 11.725 | 1662 | 1663 | 1669 | rVB5 | 3526    | 5572    | 0.10%  | 0.019% |
| 58 | 11.780 | 1669 | 1672 | 1674 | rVB4 | 1033    | 1238    | 0.02%  | 0.004% |
| 59 | 11.841 | 1674 | 1682 | 1689 | rBV8 | 6838    | 16863   | 0.30%  | 0.058% |
| 60 | 11.975 | 1701 | 1704 | 1708 | rBV6 | 1199    | 1635    | 0.03%  | 0.006% |
| 61 | 12.176 | 1732 | 1737 | 1741 | rVV5 | 4199    | 7272    | 0.13%  | 0.025% |
| 62 | 12.311 | 1757 | 1759 | 1761 | rBV2 | 1272    | 984     | 0.02%  | 0.003% |
| 63 | 12.347 | 1762 | 1765 | 1768 | rVB5 | 1136    | 1470    | 0.03%  | 0.005% |
| 64 | 12.475 | 1780 | 1786 | 1791 | rBV4 | 14448   | 25516   | 0.46%  | 0.087% |
| 65 | 12.548 | 1795 | 1798 | 1801 | rBV5 | 937     | 1358    | 0.02%  | 0.005% |
| 66 | 12.615 | 1802 | 1809 | 1816 | rBV  | 185452  | 310677  | 5.56%  | 1.062% |
| 67 | 12.701 | 1816 | 1823 | 1831 | rVB  | 711159  | 1194165 | 21.36% | 4.082% |
| 68 | 12.762 | 1831 | 1833 | 1835 | rBV3 | 1531    | 1421    | 0.03%  | 0.005% |
| 69 | 12.878 | 1848 | 1852 | 1853 | rBV4 | 1461    | 1758    | 0.03%  | 0.006% |
| 70 | 12.939 | 1857 | 1862 | 1869 | rVB  | 37607   | 61407   | 1.10%  | 0.210% |
| 71 | 13.036 | 1872 | 1878 | 1883 | rBV4 | 7192    | 14716   | 0.26%  | 0.050% |

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 VBLK93

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 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\SOM2WLM080218S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 13.085 | 1883 | 1886 | 1890 | rVB4 | 3775    | 5043    | 0.09%  | 0.017% |
| 73  | 13.182 | 1898 | 1902 | 1904 | rBV5 | 812     | 1477    | 0.03%  | 0.005% |
| 74  | 13.256 | 1904 | 1914 | 1915 | rBV9 | 2459    | 6566    | 0.12%  | 0.022% |
| 75  | 13.304 | 1918 | 1922 | 1930 | rVB  | 22511   | 36537   | 0.65%  | 0.125% |
| 76  | 13.408 | 1934 | 1939 | 1946 | rBV8 | 2981    | 6580    | 0.12%  | 0.022% |
| 77  | 13.518 | 1946 | 1957 | 1958 | rBV9 | 7845    | 20137   | 0.36%  | 0.069% |
| 78  | 13.566 | 1958 | 1965 | 1974 | rVV  | 1337545 | 2110017 | 37.74% | 7.213% |
| 79  | 13.658 | 1977 | 1980 | 1986 | rVB5 | 5120    | 7558    | 0.14%  | 0.026% |
| 80  | 13.768 | 1994 | 1998 | 2002 | rBV6 | 4736    | 8597    | 0.15%  | 0.029% |
| 81  | 13.804 | 2002 | 2004 | 2006 | rBV3 | 1854    | 1633    | 0.03%  | 0.006% |
| 82  | 13.859 | 2006 | 2013 | 2021 | rBV  | 1206509 | 1978248 | 35.38% | 6.762% |
| 83  | 14.085 | 2044 | 2050 | 2057 | rVB2 | 67170   | 113033  | 2.02%  | 0.386% |
| 84  | 14.213 | 2067 | 2071 | 2076 | rBV4 | 5307    | 9929    | 0.18%  | 0.034% |
| 85  | 14.341 | 2084 | 2092 | 2096 | rBV3 | 22850   | 47448   | 0.85%  | 0.162% |
| 86  | 14.469 | 2111 | 2113 | 2115 | rBV3 | 1403    | 1054    | 0.02%  | 0.004% |
| 87  | 14.530 | 2121 | 2123 | 2127 | rVB4 | 2284    | 2893    | 0.05%  | 0.010% |
| 88  | 14.639 | 2137 | 2141 | 2146 | rVB5 | 6417    | 10405   | 0.19%  | 0.036% |
| 89  | 14.707 | 2148 | 2152 | 2153 | rVV3 | 4457    | 6134    | 0.11%  | 0.021% |
| 90  | 14.737 | 2154 | 2157 | 2164 | rVB5 | 10943   | 17628   | 0.32%  | 0.060% |
| 91  | 15.145 | 2220 | 2224 | 2228 | rVB4 | 7335    | 10680   | 0.19%  | 0.037% |
| 92  | 15.267 | 2242 | 2244 | 2246 | rVB3 | 2469    | 1855    | 0.03%  | 0.006% |
| 93  | 15.377 | 2256 | 2262 | 2266 | rBV3 | 8296    | 15420   | 0.28%  | 0.053% |
| 94  | 15.511 | 2280 | 2284 | 2289 | rBV2 | 9235    | 15956   | 0.29%  | 0.055% |
| 95  | 15.560 | 2289 | 2292 | 2299 | rVB5 | 7412    | 16243   | 0.29%  | 0.056% |
| 96  | 15.615 | 2299 | 2301 | 2302 | rBV2 | 1280    | 1211    | 0.02%  | 0.004% |
| 97  | 15.694 | 2312 | 2314 | 2315 | rBV2 | 2603    | 2060    | 0.04%  | 0.007% |
| 98  | 15.871 | 2339 | 2343 | 2345 | rBV5 | 2567    | 3805    | 0.07%  | 0.013% |
| 99  | 16.103 | 2379 | 2381 | 2386 | rVB5 | 1861    | 2523    | 0.05%  | 0.009% |
| 100 | 16.340 | 2414 | 2420 | 2421 | rBV5 | 2019    | 3277    | 0.06%  | 0.011% |

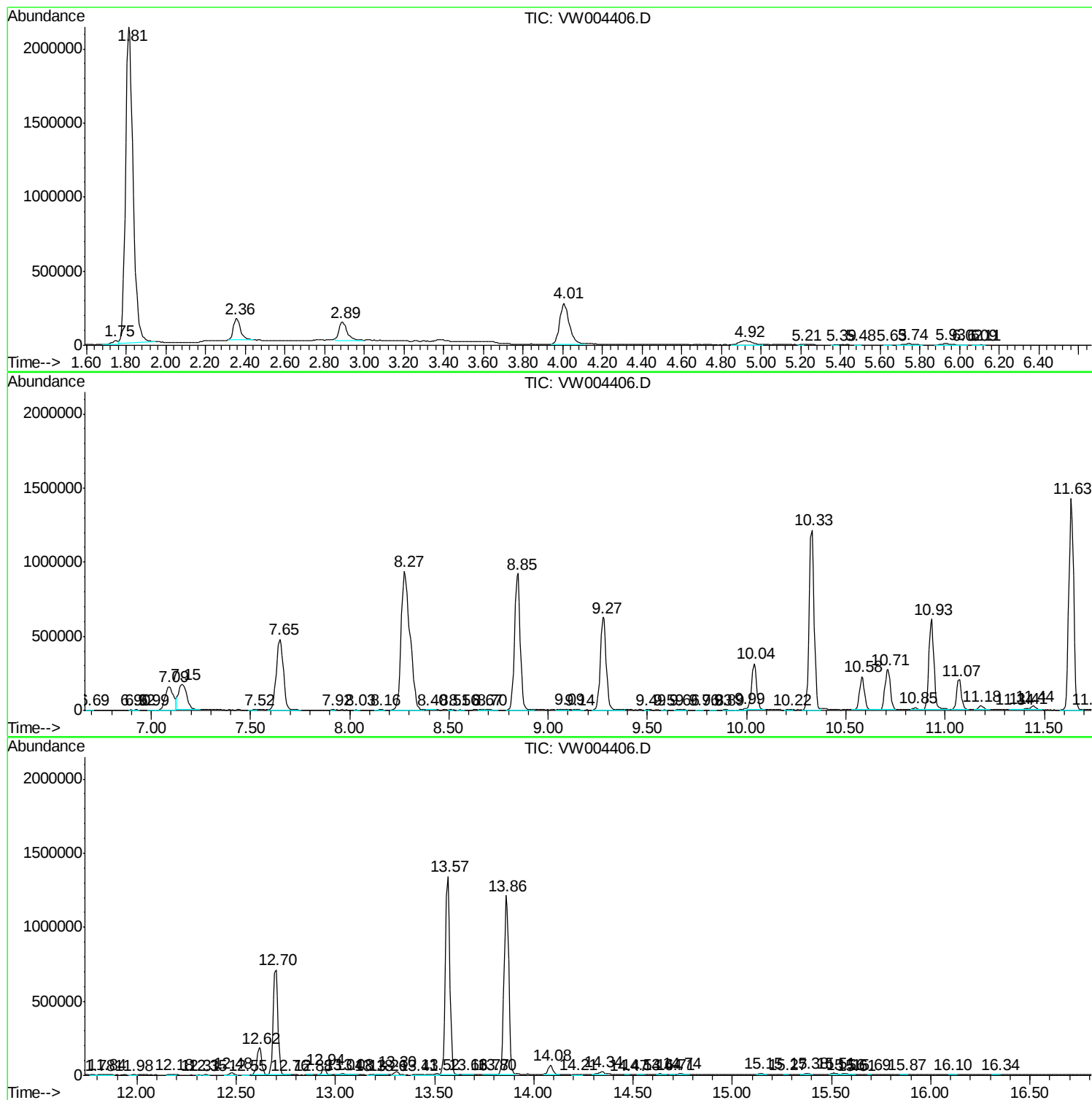
Sum of corrected areas: 29253417

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW080218\  
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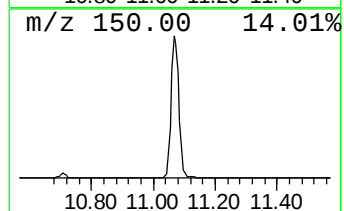
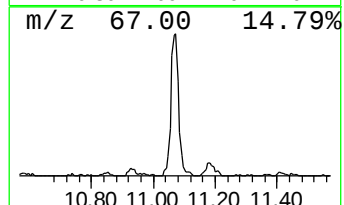
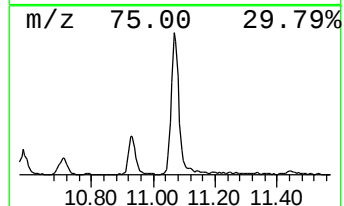
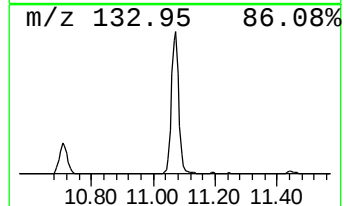
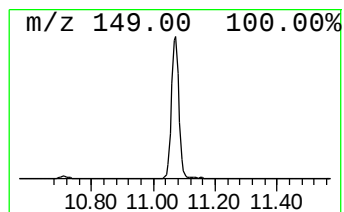
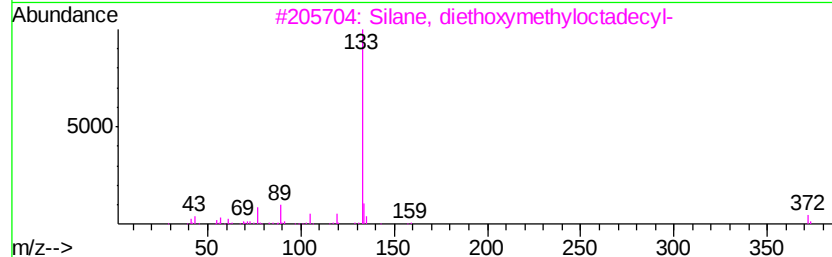
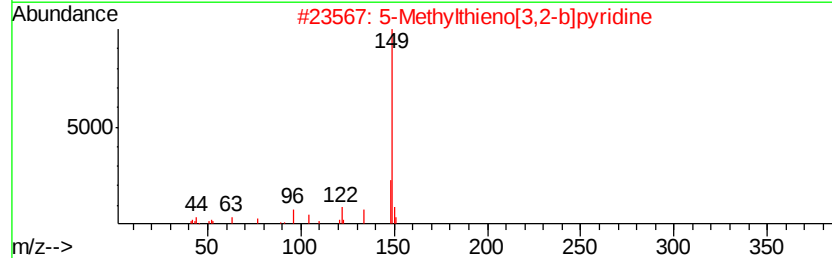
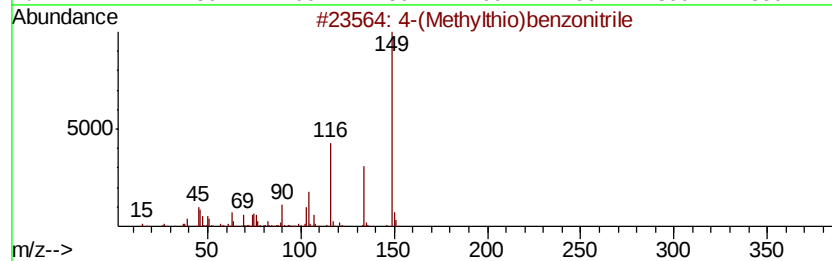
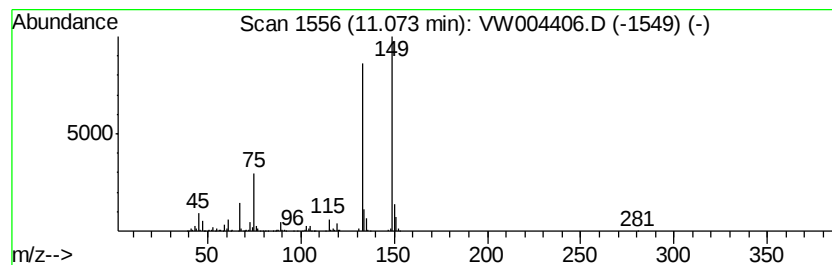
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown-01 Concentration Rank 6

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 11.07 | 3.50 ug/L | 332263 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 4-(Methylthio)benzonitrile          | 149 | C8H7NS     | 021382-98-9  | 38   |
| 2    |    | 5-Methylthieno[3,2-b]pyridine       | 149 | C8H7NS     | 001759-29-1  | 25   |
| 3    |    | Silane, diethoxymethyloctadecyl-    | 386 | C23H50O2Si | 067859-75-0  | 25   |
| 4    |    | 4-Ethylbenzoic acid, cyclohexyl ... | 232 | C15H20O2   | 1000293-32-1 | 17   |
| 5    |    | 2H-Indol-2-one, 1,3-dihydro-5-hy... | 149 | C8H7NO2    | 003416-18-0  | 17   |



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TIC Library : C:\DATABASE\NIST11.L  
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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01       | 11.07 | 3.5     | ug/L  | 332263   | 2                     | 11.63 | 2374440 | 25.0 |