

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
 Data File : VW008418.D  
 Acq On : 25 Jan 2019 18:19  
 Operator : SY/VA  
 Sample : K1016-05  
 Misc : 5.85G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TR-05-RO-2-012319

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % 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\82W012419S.M  
 Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.257    | 44         | 58       | 59        | rBV   | 27317       | 102312     | 30.03%       | 1.626%     |
| 2      | 2.629    | 114        | 119      | 130       | rVB10 | 20816       | 56274      | 16.52%       | 0.894%     |
| 3      | 2.806    | 146        | 148      | 155       | rVB   | 19361       | 34538      | 10.14%       | 0.549%     |
| 4      | 3.861    | 318        | 321      | 324       | rBV4  | 4251        | 5049       | 1.48%        | 0.080%     |
| 5      | 4.123    | 362        | 364      | 371       | rVB3  | 6764        | 11019      | 3.23%        | 0.175%     |
| 6      | 4.208    | 374        | 378      | 384       | rVB9  | 4203        | 7634       | 2.24%        | 0.121%     |
| 7      | 4.659    | 448        | 452      | 455       | rBV6  | 2947        | 6284       | 1.84%        | 0.100%     |
| 8      | 4.903    | 483        | 492      | 493       | rBV9  | 10961       | 20993      | 6.16%        | 0.334%     |
| 9      | 5.610    | 603        | 608      | 611       | rBV7  | 1890        | 3805       | 1.12%        | 0.060%     |
| 10     | 5.787    | 634        | 637      | 641       | rVB6  | 2508        | 3835       | 1.13%        | 0.061%     |
| 11     | 7.116    | 850        | 855      | 856       | rBV5  | 4241        | 5147       | 1.51%        | 0.082%     |
| 12     | 7.147    | 856        | 860      | 868       | rVB2  | 8680        | 18806      | 5.52%        | 0.299%     |
| 13     | 7.671    | 941        | 946      | 953       | rBV6  | 6258        | 15019      | 4.41%        | 0.239%     |
| 14     | 7.781    | 959        | 964      | 965       | rBV5  | 2263        | 3681       | 1.08%        | 0.059%     |
| 15     | 7.884    | 971        | 981      | 985       | rBV3  | 62331       | 147764     | 43.37%       | 2.348%     |
| 16     | 7.945    | 985        | 991      | 999       | rVB   | 103897      | 233586     | 68.56%       | 3.712%     |
| 17     | 8.305    | 1041       | 1050     | 1060      | rBV2  | 67324       | 154829     | 45.44%       | 2.461%     |
| 18     | 8.720    | 1116       | 1118     | 1122      | rVB5  | 2784        | 3645       | 1.07%        | 0.058%     |
| 19     | 8.841    | 1130       | 1138     | 1145      | rVV   | 134115      | 259444     | 76.15%       | 4.123%     |
| 20     | 9.073    | 1173       | 1176     | 1179      | rVB5  | 3036        | 4311       | 1.27%        | 0.069%     |
| 21     | 9.335    | 1217       | 1219     | 1223      | rVB5  | 4368        | 6176       | 1.81%        | 0.098%     |
| 22     | 10.323   | 1374       | 1381     | 1386      | rBV   | 56254       | 101388     | 29.76%       | 1.611%     |
| 23     | 10.390   | 1386       | 1392     | 1399      | rVB   | 59747       | 112578     | 33.04%       | 1.789%     |
| 24     | 10.506   | 1407       | 1411     | 1417      | rVB5  | 10323       | 16738      | 4.91%        | 0.266%     |
| 25     | 10.664   | 1433       | 1437     | 1439      | rBV5  | 4010        | 6166       | 1.81%        | 0.098%     |
| 26     | 10.707   | 1439       | 1444     | 1448      | rVV2  | 11091       | 21006      | 6.17%        | 0.334%     |
| 27     | 10.762   | 1451       | 1453     | 1457      | rVB4  | 4827        | 4570       | 1.34%        | 0.073%     |
| 28     | 10.933   | 1477       | 1481     | 1486      | rBV6  | 3398        | 6574       | 1.93%        | 0.104%     |
| 29     | 11.067   | 1497       | 1503     | 1508      | rBV9  | 3538        | 7102       | 2.08%        | 0.113%     |
| 30     | 11.115   | 1508       | 1511     | 1513      | rVV4  | 3289        | 3654       | 1.07%        | 0.058%     |
| 31     | 11.176   | 1517       | 1521     | 1524      | rVV6  | 5095        | 9072       | 2.66%        | 0.144%     |
| 32     | 11.225   | 1526       | 1529     | 1536      | rVB8  | 5102        | 8278       | 2.43%        | 0.132%     |
| 33     | 11.414   | 1556       | 1560     | 1562      | rBV4  | 4408        | 6469       | 1.90%        | 0.103%     |
| 34     | 11.518   | 1573       | 1577     | 1580      | rVB6  | 4050        | 6508       | 1.91%        | 0.103%     |

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 ALS Vial : 15 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 TR-05-RO-2-012319

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % 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\82W012419S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.634 | 1589 | 1596 | 1602 | rVB  | 87977  | 159608 | 46.85% | 2.537% |
| 36 | 11.731 | 1607 | 1612 | 1621 | rVV2 | 15862  | 30550  | 8.97%  | 0.486% |
| 37 | 11.835 | 1621 | 1629 | 1639 | rVV2 | 56005  | 116891 | 34.31% | 1.858% |
| 38 | 12.170 | 1673 | 1684 | 1691 | rBV  | 36391  | 74770  | 21.95% | 1.188% |
| 39 | 12.249 | 1691 | 1697 | 1702 | rBV8 | 5102   | 11003  | 3.23%  | 0.175% |
| 40 | 12.463 | 1727 | 1732 | 1738 | rBV7 | 6493   | 12350  | 3.62%  | 0.196% |
| 41 | 12.542 | 1742 | 1745 | 1747 | rVV4 | 6537   | 9007   | 2.64%  | 0.143% |
| 42 | 12.573 | 1747 | 1750 | 1752 | rVV3 | 7955   | 8542   | 2.51%  | 0.136% |
| 43 | 12.621 | 1752 | 1758 | 1767 | rVB  | 107309 | 187155 | 54.93% | 2.974% |
| 44 | 12.804 | 1777 | 1788 | 1792 | rBV3 | 14311  | 34617  | 10.16% | 0.550% |
| 45 | 12.871 | 1792 | 1799 | 1802 | rBV  | 42965  | 75572  | 22.18% | 1.201% |
| 46 | 12.932 | 1802 | 1809 | 1816 | rVB2 | 83975  | 173991 | 51.07% | 2.765% |
| 47 | 12.993 | 1816 | 1819 | 1823 | rVB6 | 6966   | 11417  | 3.35%  | 0.181% |
| 48 | 13.042 | 1823 | 1827 | 1831 | rBV  | 18005  | 30226  | 8.87%  | 0.480% |
| 49 | 13.103 | 1831 | 1837 | 1842 | rBV  | 31592  | 61571  | 18.07% | 0.979% |
| 50 | 13.164 | 1844 | 1847 | 1852 | rVB2 | 23479  | 33084  | 9.71%  | 0.526% |
| 51 | 13.219 | 1852 | 1856 | 1857 | rBV2 | 19674  | 23419  | 6.87%  | 0.372% |
| 52 | 13.255 | 1857 | 1862 | 1866 | rVB  | 79368  | 120309 | 35.31% | 1.912% |
| 53 | 13.292 | 1866 | 1868 | 1873 | rVB3 | 13984  | 16188  | 4.75%  | 0.257% |
| 54 | 13.347 | 1874 | 1877 | 1880 | rBV4 | 6066   | 8990   | 2.64%  | 0.143% |
| 55 | 13.377 | 1880 | 1882 | 1887 | rVB4 | 7874   | 11266  | 3.31%  | 0.179% |
| 56 | 13.444 | 1889 | 1893 | 1897 | rBV4 | 29281  | 51595  | 15.14% | 0.820% |
| 57 | 13.487 | 1897 | 1900 | 1904 | rBV3 | 19786  | 28202  | 8.28%  | 0.448% |
| 58 | 13.560 | 1907 | 1912 | 1915 | rBV  | 122588 | 193823 | 56.89% | 3.080% |
| 59 | 13.627 | 1921 | 1923 | 1930 | rVB4 | 23085  | 35431  | 10.40% | 0.563% |
| 60 | 13.719 | 1932 | 1938 | 1940 | rVV7 | 13336  | 28189  | 8.27%  | 0.448% |
| 61 | 13.755 | 1940 | 1944 | 1948 | rVV2 | 58720  | 96744  | 28.40% | 1.538% |
| 62 | 13.798 | 1948 | 1951 | 1959 | rVV3 | 41037  | 81217  | 23.84% | 1.291% |
| 63 | 13.877 | 1959 | 1964 | 1969 | rVV  | 218309 | 312624 | 91.76% | 4.968% |
| 64 | 13.926 | 1969 | 1972 | 1973 | rVV3 | 13561  | 17503  | 5.14%  | 0.278% |
| 65 | 13.956 | 1973 | 1977 | 1980 | rVV  | 29874  | 50428  | 14.80% | 0.801% |
| 66 | 14.042 | 1983 | 1991 | 1996 | rVV4 | 49529  | 134527 | 39.49% | 2.138% |
| 67 | 14.097 | 1996 | 2000 | 2004 | rVV  | 48972  | 79136  | 23.23% | 1.258% |
| 68 | 14.139 | 2005 | 2007 | 2013 | rVB4 | 23699  | 31645  | 9.29%  | 0.503% |
| 69 | 14.212 | 2013 | 2019 | 2025 | rBV4 | 58777  | 122724 | 36.02% | 1.950% |
| 70 | 14.261 | 2025 | 2027 | 2030 | rBV3 | 14360  | 19067  | 5.60%  | 0.303% |
| 71 | 14.310 | 2031 | 2035 | 2038 | rVV  | 67055  | 97170  | 28.52% | 1.544% |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TR-05-RO-2-012319

## Integration Parameters: RTEINT.P

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 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |        |         |        |
|-----|--------|------|------|------|------|--------|--------|---------|--------|
| 72  | 14.353 | 2038 | 2042 | 2044 | rVV3 | 37120  | 69176  | 20.30%  | 1.099% |
| 73  | 14.395 | 2045 | 2049 | 2052 | rVV4 | 58591  | 100727 | 29.56%  | 1.601% |
| 74  | 14.432 | 2052 | 2055 | 2058 | rVV3 | 46062  | 73260  | 21.50%  | 1.164% |
| 75  | 14.462 | 2058 | 2060 | 2063 | rVB2 | 41198  | 43078  | 12.64%  | 0.685% |
| 76  | 14.505 | 2063 | 2067 | 2070 | rBV2 | 46454  | 58526  | 17.18%  | 0.930% |
| 77  | 14.548 | 2070 | 2074 | 2080 | rVB7 | 30442  | 49132  | 14.42%  | 0.781% |
| 78  | 14.615 | 2081 | 2085 | 2086 | rBV3 | 12500  | 15951  | 4.68%   | 0.254% |
| 79  | 14.694 | 2095 | 2098 | 2099 | rBV2 | 24042  | 24761  | 7.27%   | 0.394% |
| 80  | 14.731 | 2099 | 2104 | 2109 | rVB2 | 233519 | 340703 | 100.00% | 5.415% |
| 81  | 14.804 | 2110 | 2116 | 2121 | rBV5 | 103023 | 250298 | 73.47%  | 3.978% |
| 82  | 14.847 | 2121 | 2123 | 2131 | rVV3 | 78424  | 130159 | 38.20%  | 2.069% |
| 83  | 14.920 | 2133 | 2135 | 2138 | rVV4 | 12219  | 14528  | 4.26%   | 0.231% |
| 84  | 14.962 | 2138 | 2142 | 2149 | rVB  | 50107  | 83032  | 24.37%  | 1.320% |
| 85  | 15.072 | 2155 | 2160 | 2164 | rBV5 | 31582  | 49913  | 14.65%  | 0.793% |
| 86  | 15.176 | 2173 | 2177 | 2182 | rBV3 | 25563  | 53047  | 15.57%  | 0.843% |
| 87  | 15.255 | 2186 | 2190 | 2198 | rVB7 | 46200  | 100200 | 29.41%  | 1.592% |
| 88  | 15.334 | 2198 | 2203 | 2213 | rBV4 | 66545  | 146688 | 43.05%  | 2.331% |
| 89  | 15.426 | 2214 | 2218 | 2222 | rBV4 | 19480  | 35258  | 10.35%  | 0.560% |
| 90  | 15.560 | 2236 | 2240 | 2249 | rVB  | 118298 | 214079 | 62.83%  | 3.402% |
| 91  | 15.663 | 2251 | 2257 | 2265 | rVV8 | 25001  | 71814  | 21.08%  | 1.141% |
| 92  | 15.743 | 2265 | 2270 | 2276 | rVV6 | 22046  | 40994  | 12.03%  | 0.652% |
| 93  | 15.828 | 2280 | 2284 | 2287 | rVV5 | 12557  | 26359  | 7.74%   | 0.419% |
| 94  | 15.871 | 2287 | 2291 | 2297 | rVB2 | 38229  | 69136  | 20.29%  | 1.099% |
| 95  | 16.029 | 2312 | 2317 | 2324 | rVB4 | 30675  | 65335  | 19.18%  | 1.038% |
| 96  | 16.182 | 2334 | 2342 | 2346 | rBV9 | 25814  | 67074  | 19.69%  | 1.066% |
| 97  | 16.297 | 2358 | 2361 | 2367 | rVB7 | 9987   | 17817  | 5.23%   | 0.283% |
| 98  | 16.383 | 2370 | 2375 | 2382 | rVV6 | 18369  | 40798  | 11.97%  | 0.648% |
| 99  | 16.450 | 2382 | 2386 | 2390 | rVB5 | 11291  | 17790  | 5.22%   | 0.283% |
| 100 | 16.639 | 2411 | 2417 | 2418 | rBV5 | 11487  | 17784  | 5.22%   | 0.283% |

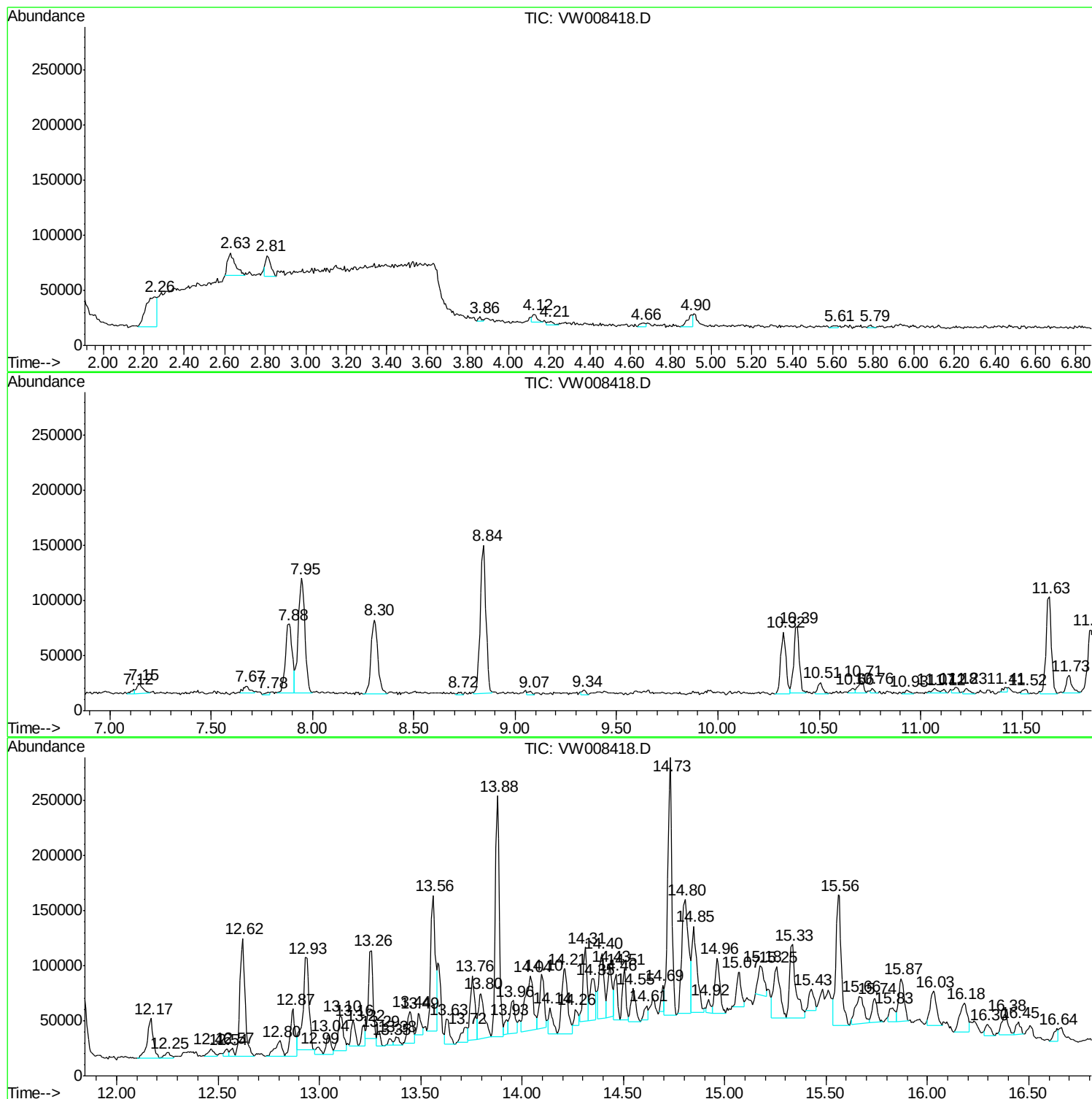
Sum of corrected areas: 6292222

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TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
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TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

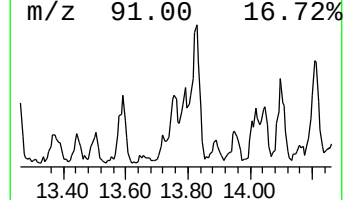
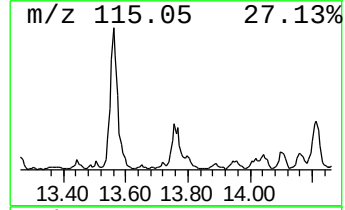
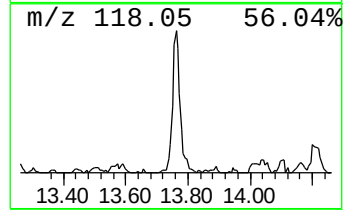
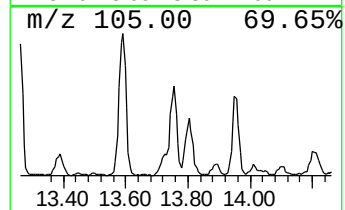
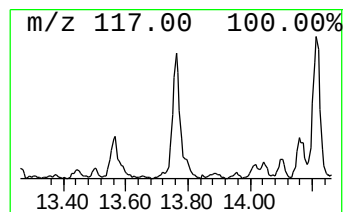
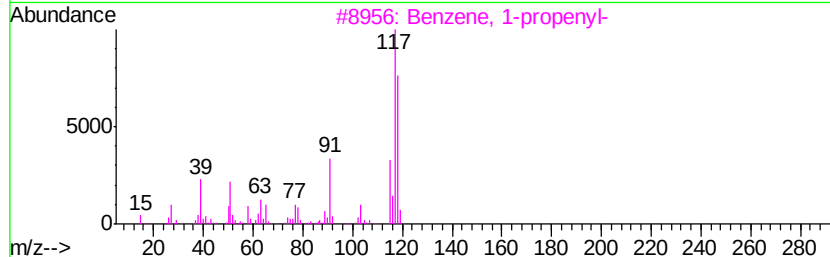
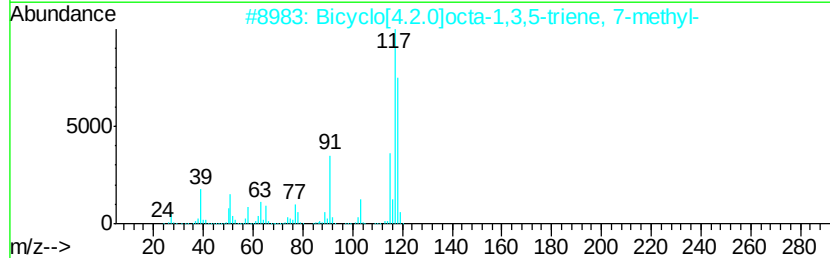
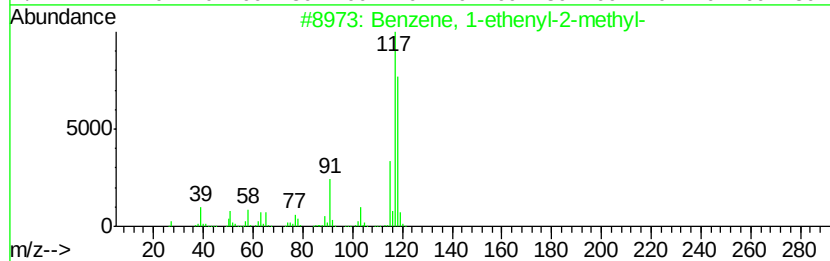
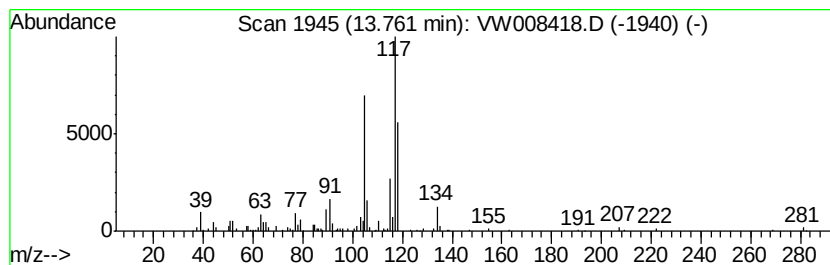
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown13.76 Concentration Rank 10

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 13.76 | 24.96 ug/l | 96744 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-2-methyl-        | 118 | C9H10   | 000611-15-4 | 49   |
| 2    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10   | 055337-80-9 | 45   |
| 3    |    | Benzene, 1-propenyl-                | 118 | C9H10   | 000637-50-3 | 43   |
| 4    |    | Benzene, 1-ethenyl-4-methyl-        | 118 | C9H10   | 000622-97-9 | 43   |
| 5    |    | Benzene, cyclopropyl-               | 118 | C9H10   | 000873-49-4 | 43   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

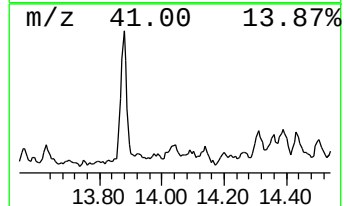
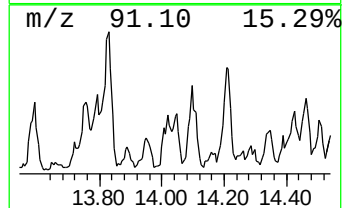
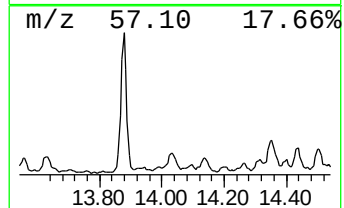
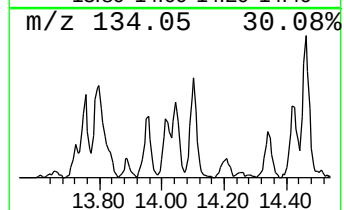
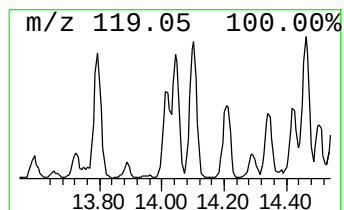
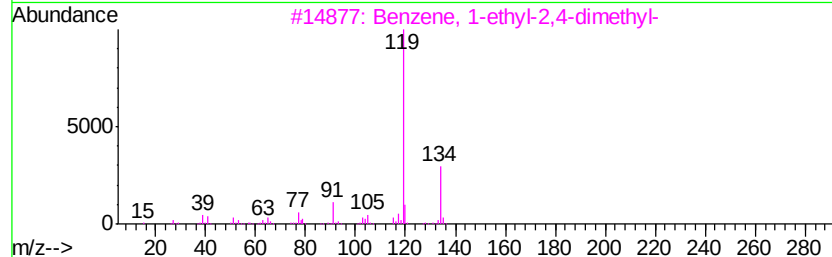
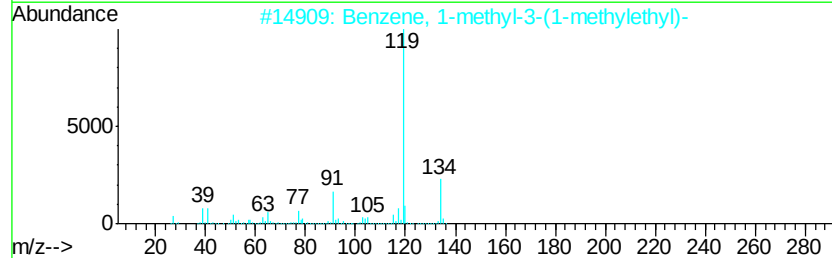
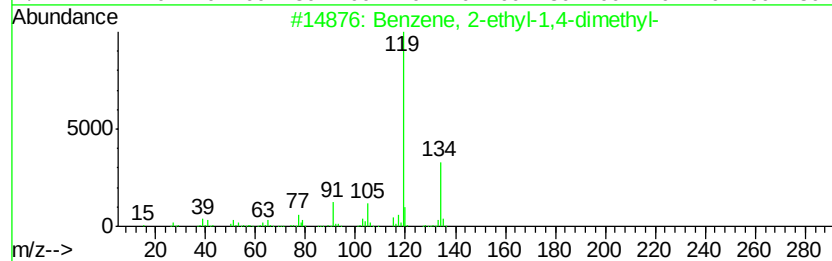
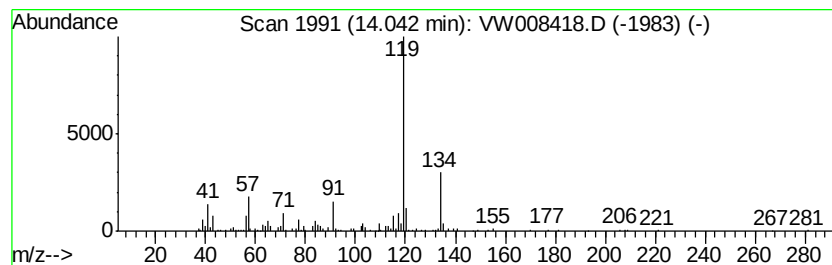
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.04 | 34.70 ug/l | 134527 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethyl-1,4-dimethyl-       | 134 | C10H14  | 001758-88-9 | 91   |
| 2    |    | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 91   |
| 3    |    | Benzene, 1-ethyl-2,4-dimethyl-       | 134 | C10H14  | 000874-41-9 | 91   |
| 4    |    | Benzene, 4-ethyl-1,2-dimethyl-       | 134 | C10H14  | 000934-80-5 | 91   |
| 5    |    | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

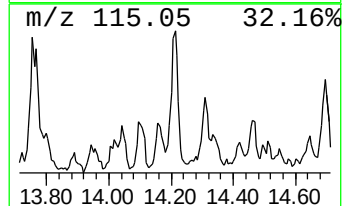
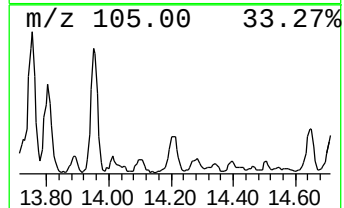
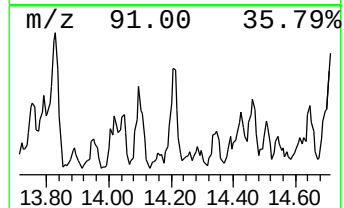
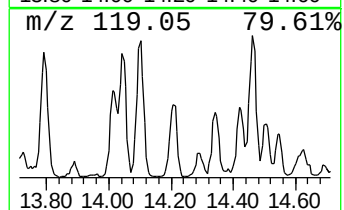
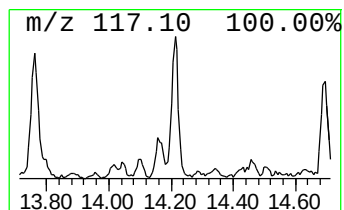
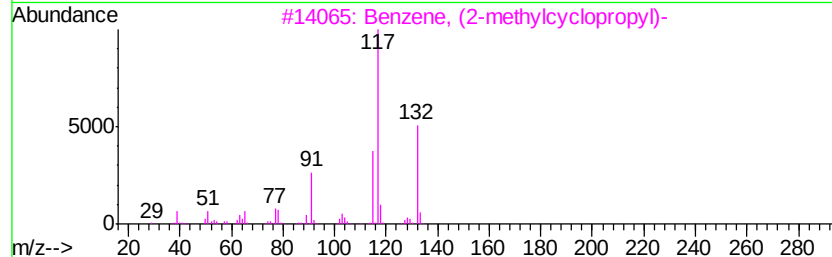
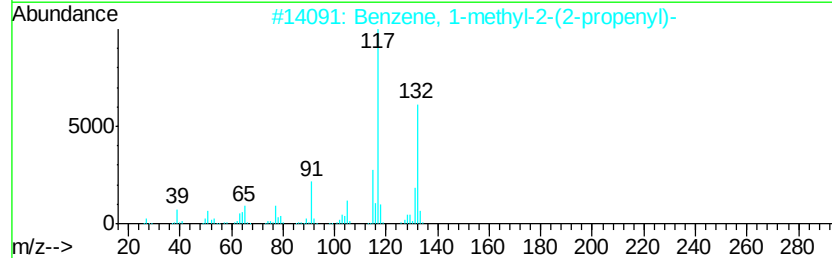
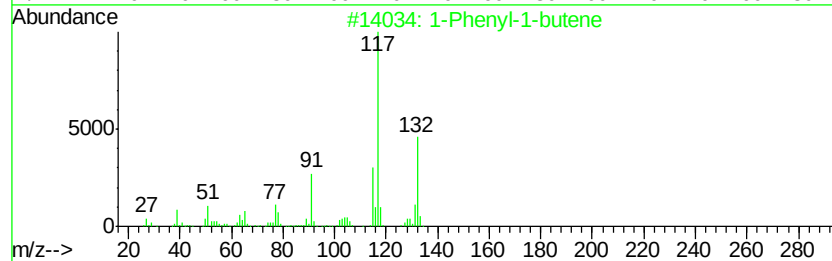
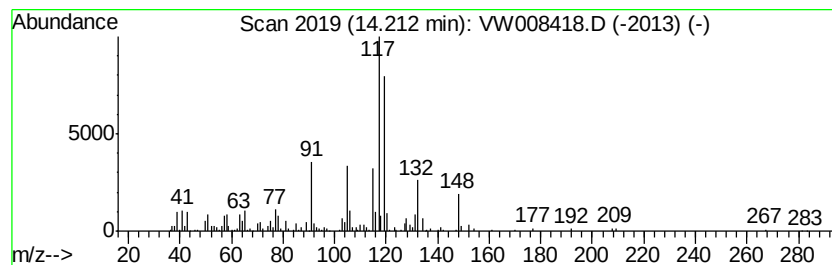
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 1-Phenyl-1-butene Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.21 | 31.66 ug/l | 122724 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8  | 86   |
| 2    |    | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8  | 50   |
| 3    |    | Benzene, (2-methylcyclopropyl)-   | 132 | C10H12  | 1000327-39-0 | 46   |
| 4    |    | Benzene, (2-methyl-2-propenyl)-   | 132 | C10H12  | 003290-53-7  | 46   |
| 5    |    | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1  | 46   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-RO-2-012319

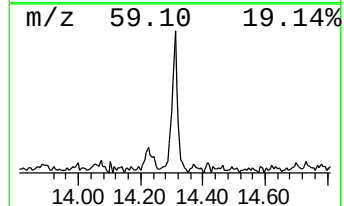
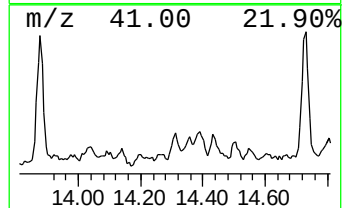
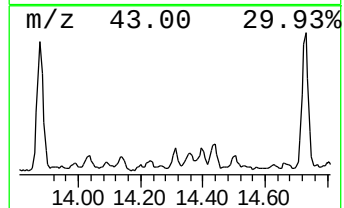
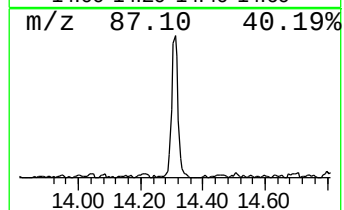
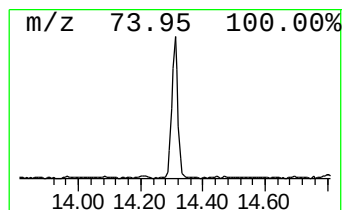
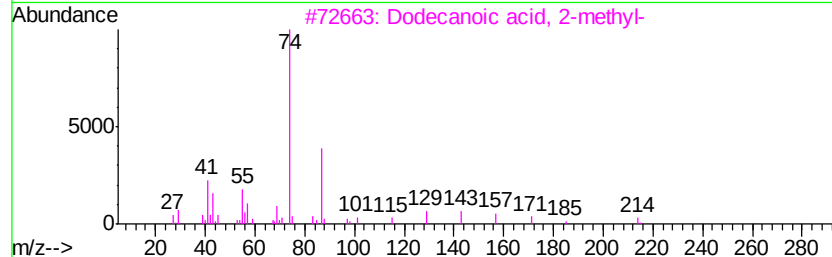
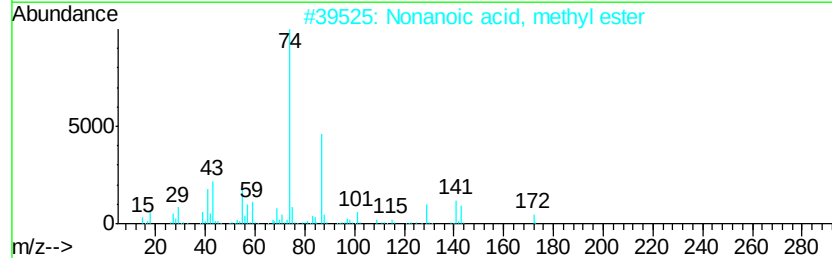
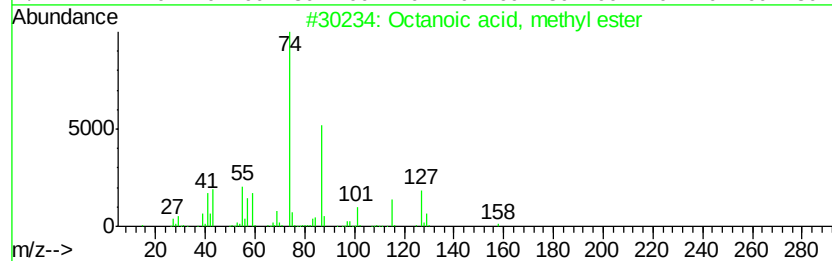
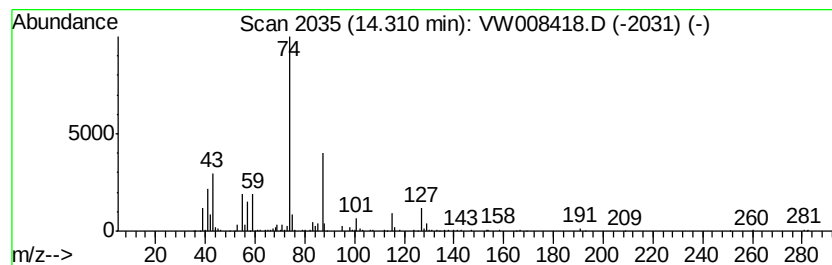
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Quant Title : SW846 8260

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

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Peak Number 4 Octanoic acid, methyl ester Concentration Rank 9

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 14.31 | 25.07 ug/l | 97170 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------------|-----|----------|-------------|------|
| 1    | 5  | Octanoic acid, methyl ester | 158 | C9H18O2  | 000111-11-5 | 91   |
| 2    |    | Nonanoic acid, methyl ester | 172 | C10H20O2 | 001731-84-6 | 72   |
| 3    |    | Dodecanoic acid, 2-methyl-  | 214 | C13H26O2 | 002874-74-0 | 59   |
| 4    |    | Hexanoic acid, 2-methyl-    | 130 | C7H14O2  | 004536-23-6 | 53   |
| 5    |    | Hexanoic acid, methyl ester | 130 | C7H14O2  | 000106-70-7 | 50   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

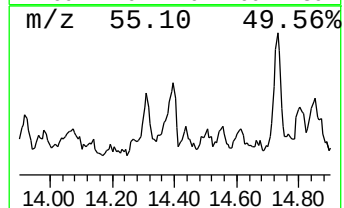
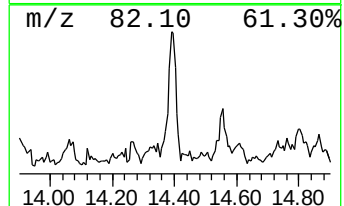
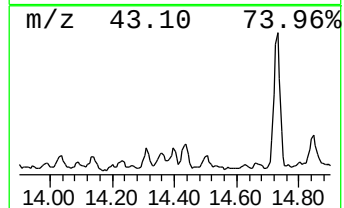
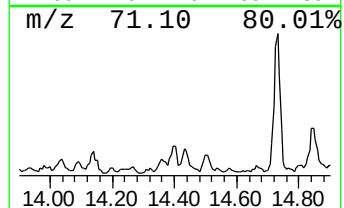
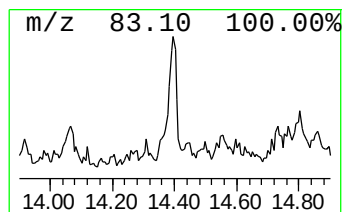
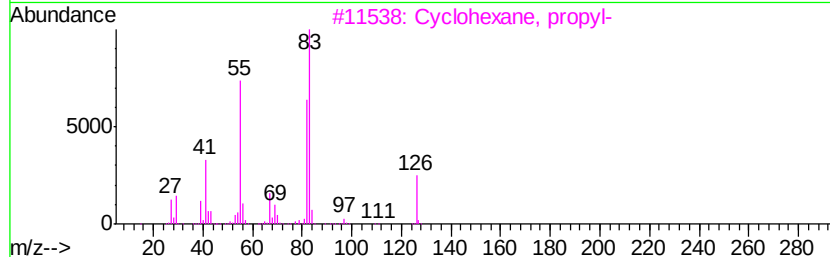
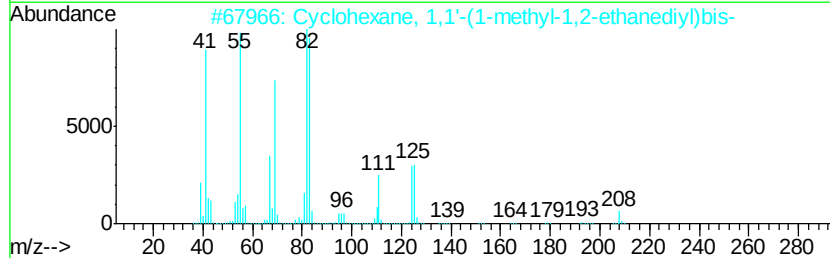
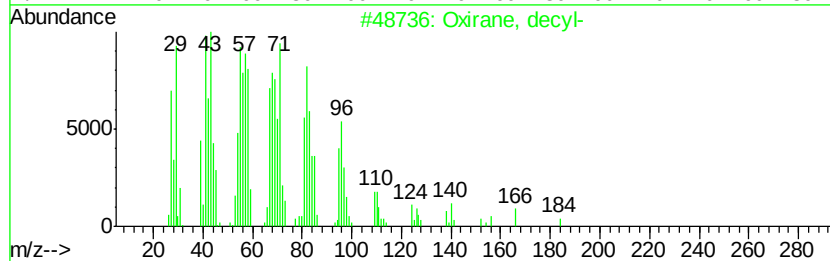
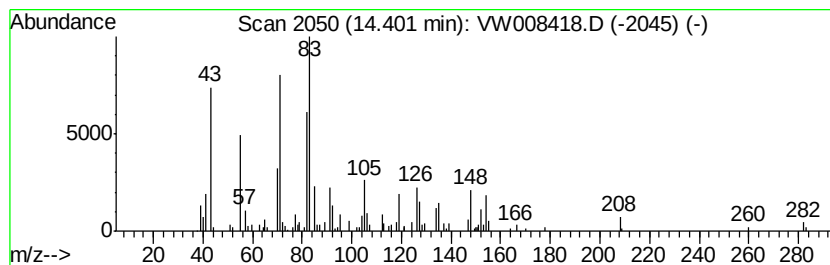
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown14.40 Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.40 | 25.98 ug/l | 100727 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Oxirane, decyl-                     | 184 | C12H24O | 002855-19-8 | 49   |
| 2    |    | Cyclohexane, 1,1'-(1-methyl-1,2-... | 208 | C15H28  | 041851-34-7 | 46   |
| 3    |    | Cyclohexane, propyl-                | 126 | C9H18   | 001678-92-8 | 46   |
| 4    |    | Cyclohexane, 1,1'-(1,3-propanedi... | 208 | C15H28  | 003178-24-3 | 43   |
| 5    |    | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

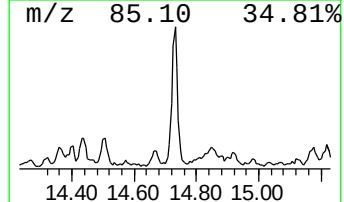
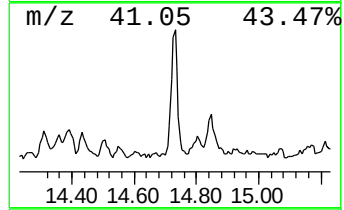
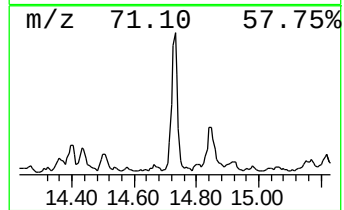
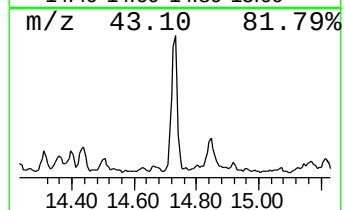
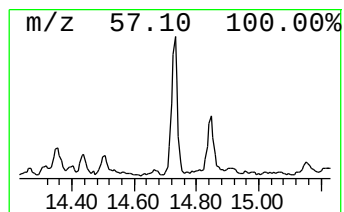
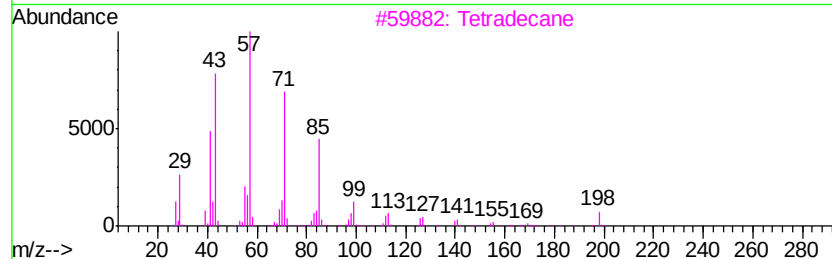
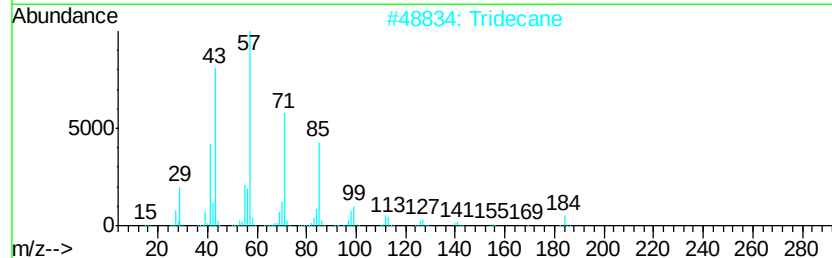
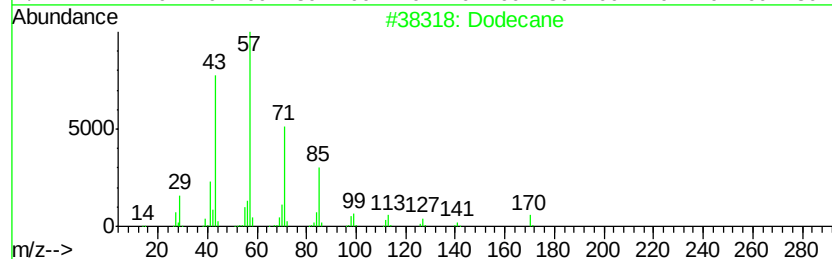
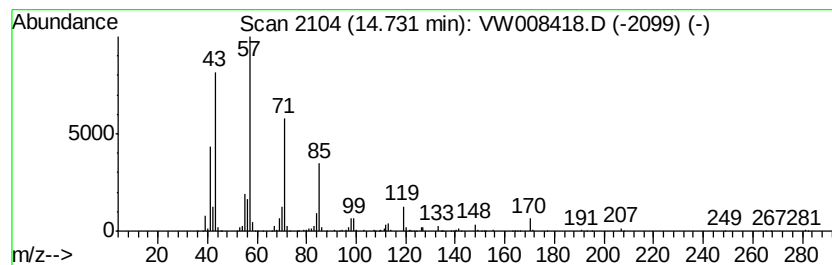
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Dodecane Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.73 | 87.89 ug/l | 340703 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane     | 170 | C12H26  | 000112-40-3 | 91   |
| 2    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 80   |
| 3    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 80   |
| 4    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 72   |
| 5    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

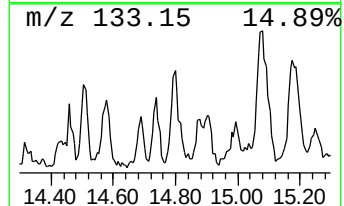
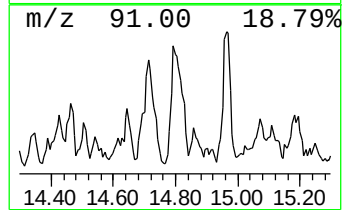
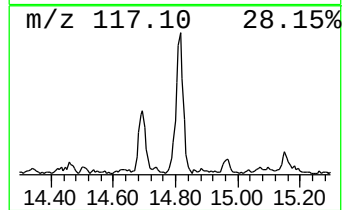
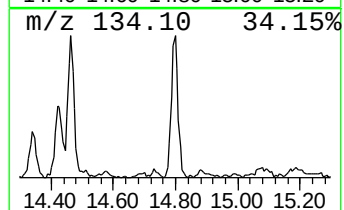
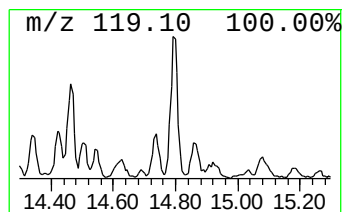
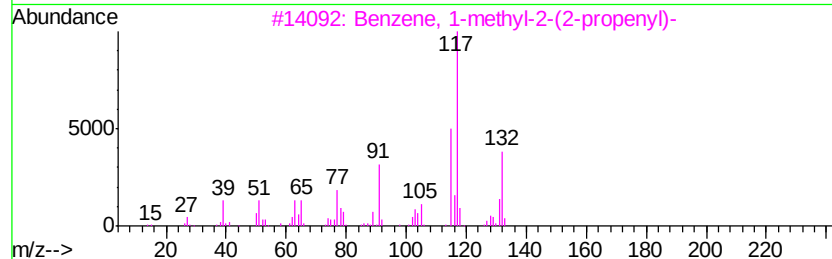
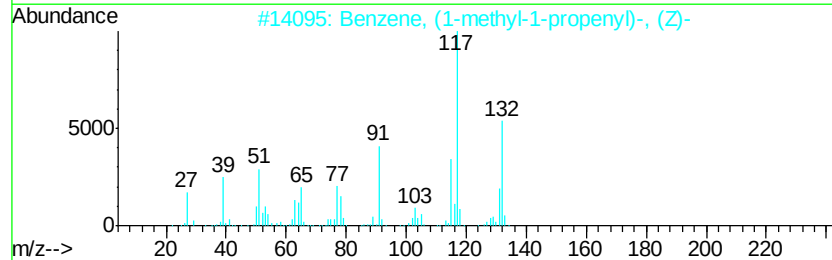
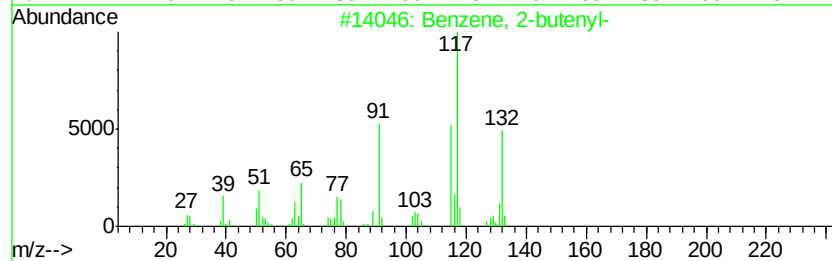
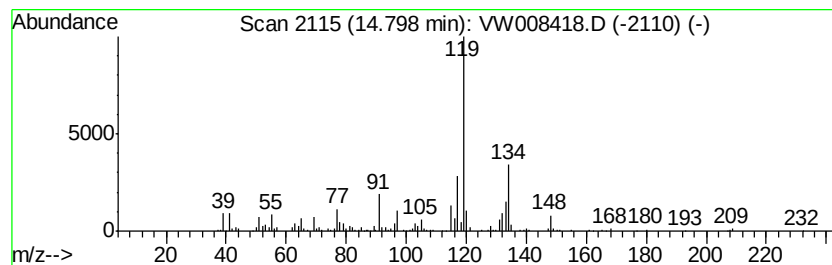
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ClientSampleId :  
TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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

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Peak Number 7 Benzene, 2-butenyl- Concentration Rank 2

| R.T.    | EstConc    | Area                                 | Relative to ISTD       | R.T.           |
|---------|------------|--------------------------------------|------------------------|----------------|
| 14.80   | 64.57 ug/l | 250298                               | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5          | Tentative ID                         | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, 2-butenyl-                  | 132 C10H12             | 001560-06-1 86 |
| 2       |            | Benzene, (1-methyl-1-propenyl)-, ... | 132 C10H12             | 000767-99-7 86 |
| 3       |            | Benzene, 1-methyl-2-(2-propenyl)-    | 132 C10H12             | 001587-04-8 84 |
| 4       |            | Benzene, 1-methyl-4-(2-propenyl)-    | 132 C10H12             | 003333-13-9 83 |
| 5       |            | Benzene, 1-methyl-3-(1-methyleth...  | 134 C10H14             | 000535-77-3 50 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

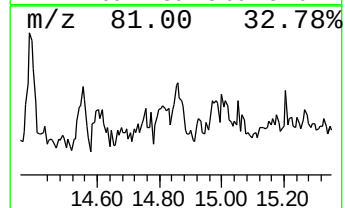
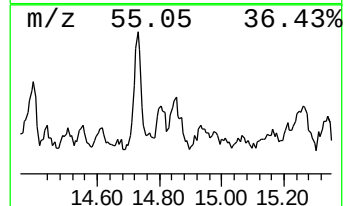
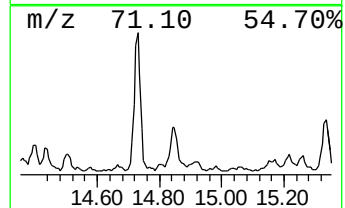
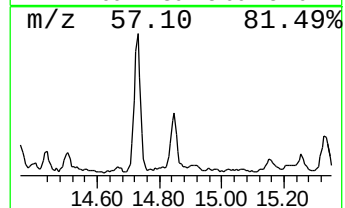
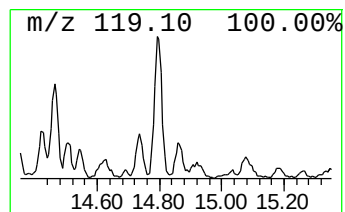
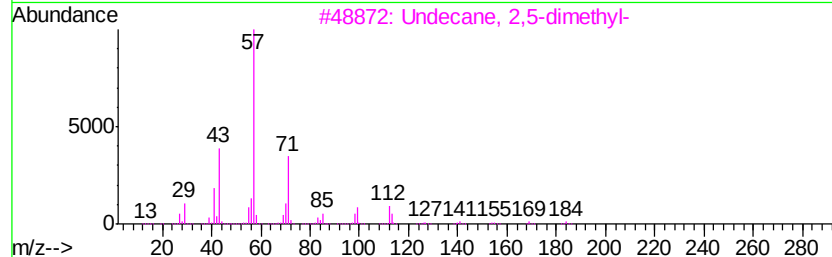
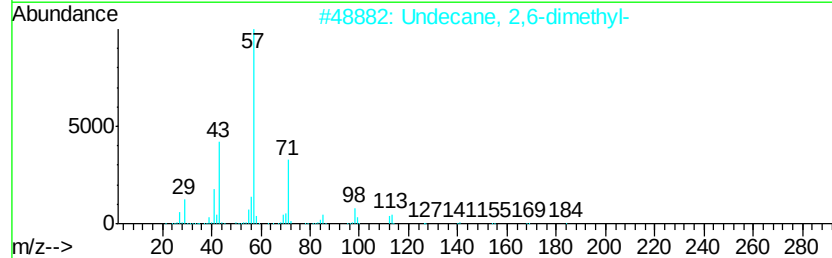
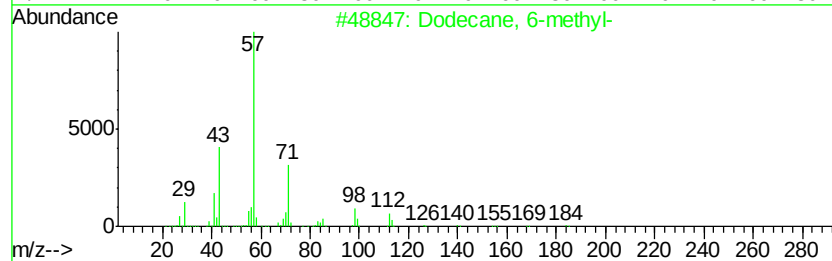
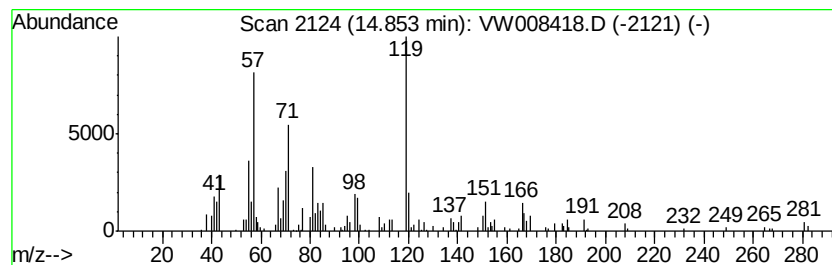
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Dodecane, 6-methyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.85 | 33.58 ug/l | 130159 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5                        | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|--------------------------|--------------|--------|-------------|------|------|
| 1       | Dodecane, 6-methyl-      | 184          | C13H28 | 006044-71-9 | 89   |      |
| 2       | Undecane, 2,6-dimethyl-  | 184          | C13H28 | 017301-23-4 | 70   |      |
| 3       | Undecane, 2,5-dimethyl-  | 184          | C13H28 | 017301-22-3 | 64   |      |
| 4       | Undecane, 6-ethyl-       | 184          | C13H28 | 017312-60-6 | 50   |      |
| 5       | Decane, 2,5,9-trimethyl- | 184          | C13H28 | 062108-22-9 | 47   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

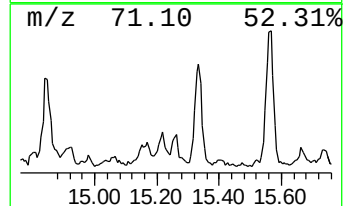
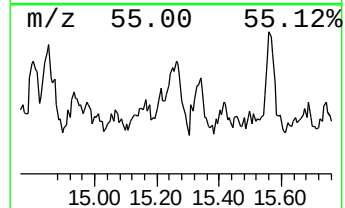
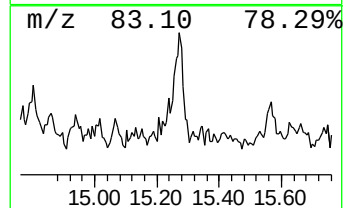
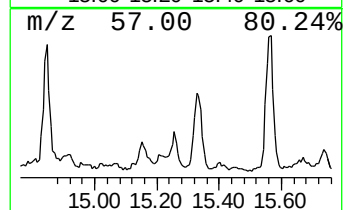
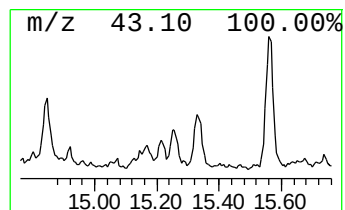
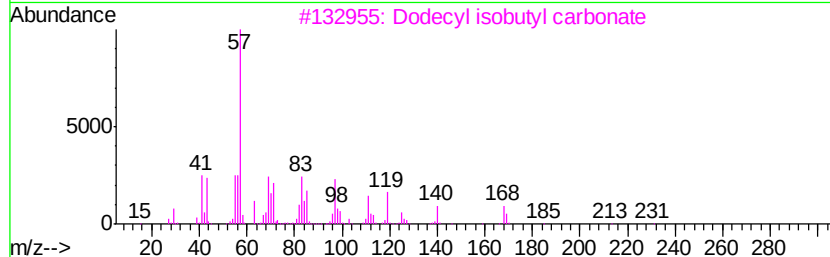
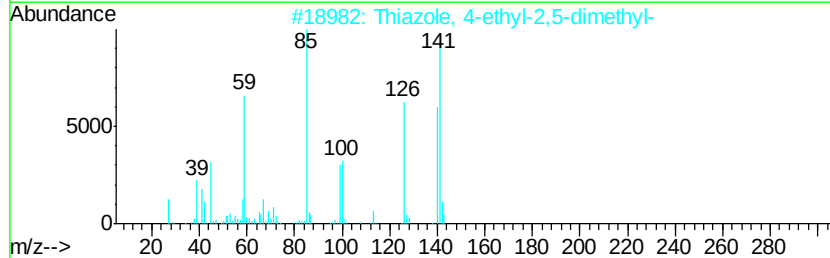
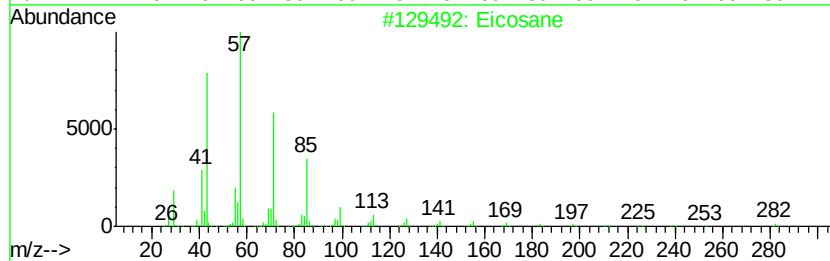
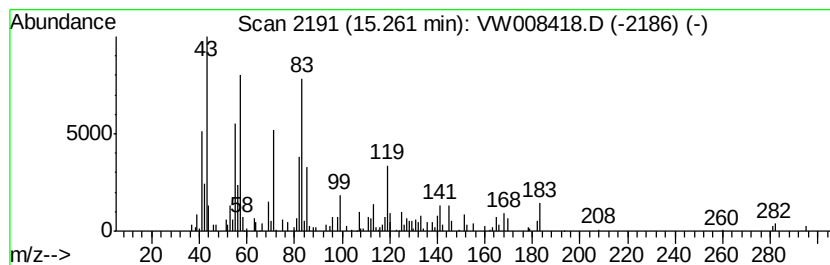
Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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

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Peak Number 9 unknown15.26 Concentration Rank 8

| R.T.    | EstConc                         | Area         | Relative to ISTD       | R.T.      |
|---------|---------------------------------|--------------|------------------------|-----------|
| 15.26   | 25.85 ug/l                      | 100200       | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                               | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Eicosane                        | 282 C20H42   | 000112-95-8            | 30        |
| 2       | Thiazole, 4-ethyl-2,5-dimethyl- | 141 C7H11NS  | 032272-57-4            | 30        |
| 3       | Dodecyl isobutyl carbonate      | 286 C17H34O3 | 959067-22-2            | 27        |
| 4       | Isobutyl tetradecyl carbonate   | 314 C19H38O3 | 959275-58-2            | 22        |
| 5       | Hexadecane                      | 226 C16H34   | 000544-76-3            | 22        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

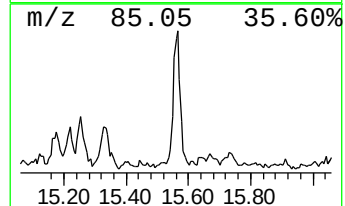
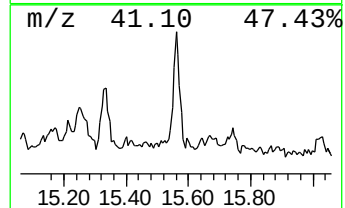
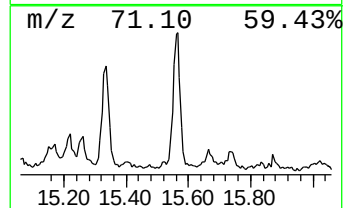
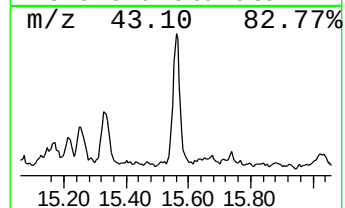
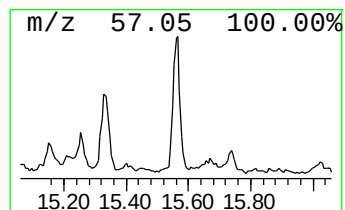
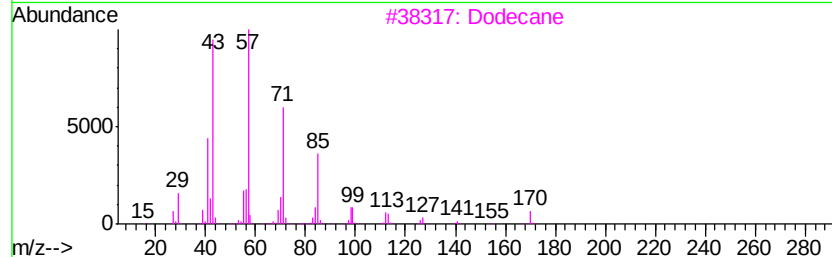
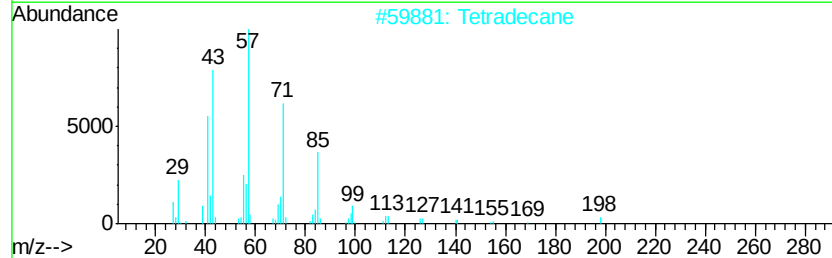
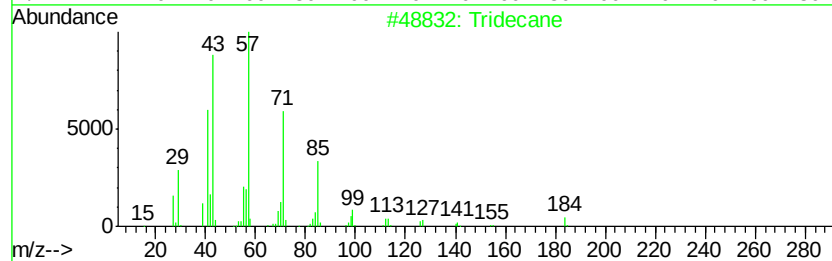
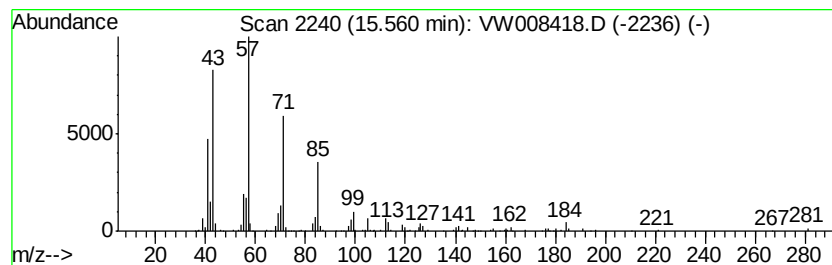
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tridecane Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.56 | 55.23 ug/l | 214079 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane    | 184 | C13H28  | 000629-50-5 | 97   |
| 2    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 87   |
| 3    |    | Dodecane     | 170 | C12H26  | 000112-40-3 | 86   |
| 4    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 86   |
| 5    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 80   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW012519\  
Data File : VW008418.D  
Acq On : 25 Jan 2019 18:19  
Operator : SY/VA  
Sample : K1016-05  
Misc : 5.85G/5ML/MSVOA\_W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-RO-2-012319

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown13.76         | 13.76 | 25.0    | ug/l  | 96744    | 4                     | 13.56 | 193823 | 50.0 |
| Benzene, 2-ethyl-... | 14.04 | 34.7    | ug/l  | 134527   | 4                     | 13.56 | 193823 | 50.0 |
| 1-Phenyl-1-butene    | 14.21 | 31.7    | ug/l  | 122724   | 4                     | 13.56 | 193823 | 50.0 |
| Octanoic acid, me... | 14.31 | 25.1    | ug/l  | 97170    | 4                     | 13.56 | 193823 | 50.0 |
| unknown14.40         | 14.40 | 26.0    | ug/l  | 100727   | 4                     | 13.56 | 193823 | 50.0 |
| Dodecane             | 14.73 | 87.9    | ug/l  | 340703   | 4                     | 13.56 | 193823 | 50.0 |
| Benzene, 2-butenyl-  | 14.80 | 64.6    | ug/l  | 250298   | 4                     | 13.56 | 193823 | 50.0 |
| Dodecane, 6-methyl-  | 14.85 | 33.6    | ug/l  | 130159   | 4                     | 13.56 | 193823 | 50.0 |
| unknown15.26         | 15.26 | 25.9    | ug/l  | 100200   | 4                     | 13.56 | 193823 | 50.0 |
| Tridecane            | 15.56 | 55.2    | ug/l  | 214079   | 4                     | 13.56 | 193823 | 50.0 |