

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
 Data File : VW008508.D  
 Acq On : 04 Feb 2019 18:09  
 Operator : SY/VA  
 Sample : K1350-03  
 Misc : 7.39G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EO-03-020419-B

## 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<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         | 2.221       | 44            | 52          | 54           | rBV5     | 9950           | 20500         | 1.52%           | 0.089%        |
| 2         | 4.117       | 357           | 363         | 374          | rVB2     | 24296          | 63074         | 4.67%           | 0.275%        |
| 3         | 4.903       | 480           | 492         | 504          | rBV3     | 15707          | 53236         | 3.94%           | 0.232%        |
| 4         | 7.141       | 846           | 859         | 872          | rBV2     | 93347          | 271557        | 20.11%          | 1.185%        |
| 5         | 7.884       | 970           | 981         | 985          | rBV      | 184068         | 437655        | 32.41%          | 1.909%        |
| 6         | 7.945       | 985           | 991         | 1003         | rVB      | 353514         | 794091        | 58.81%          | 3.465%        |
| 7         | 8.305       | 1040          | 1050        | 1061         | rVB      | 168791         | 372318        | 27.57%          | 1.624%        |
| 8         | 8.841       | 1129          | 1138        | 1148         | rVB      | 509445         | 1006199       | 74.51%          | 4.390%        |
| 9         | 10.323      | 1373          | 1381        | 1388         | rBV      | 770701         | 1350370       | 100.00%         | 5.892%        |
| 10        | 10.384      | 1388          | 1391        | 1397         | rVB      | 27505          | 46083         | 3.41%           | 0.201%        |
| 11        | 10.701      | 1437          | 1443        | 1450         | rBV2     | 15033          | 26981         | 2.00%           | 0.118%        |
| 12        | 11.073      | 1495          | 1504        | 1513         | rBV2     | 31348          | 59053         | 4.37%           | 0.258%        |
| 13        | 11.414      | 1552          | 1560        | 1569         | rBV9     | 5222           | 17506         | 1.30%           | 0.076%        |
| 14        | 11.634      | 1588          | 1596        | 1603         | rBV      | 625514         | 1088301       | 80.59%          | 4.748%        |
| 15        | 11.731      | 1607          | 1612        | 1616         | rBV      | 14788          | 27387         | 2.03%           | 0.119%        |
| 16        | 11.841      | 1622          | 1630        | 1639         | rBV2     | 72774          | 156852        | 11.62%          | 0.684%        |
| 17        | 12.164      | 1674          | 1683        | 1692         | rBV      | 48518          | 110561        | 8.19%           | 0.482%        |
| 18        | 12.249      | 1692          | 1697        | 1701         | rVB2     | 11104          | 17622         | 1.30%           | 0.077%        |
| 19        | 12.341      | 1707          | 1712        | 1714         | rBV6     | 11213          | 19626         | 1.45%           | 0.086%        |
| 20        | 12.469      | 1727          | 1733        | 1737         | rBV4     | 22643          | 46349         | 3.43%           | 0.202%        |
| 21        | 12.542      | 1742          | 1745        | 1747         | rVV2     | 20023          | 28097         | 2.08%           | 0.123%        |
| 22        | 12.566      | 1747          | 1749        | 1752         | rVV      | 22687          | 30007         | 2.22%           | 0.131%        |
| 23        | 12.621      | 1752          | 1758        | 1767         | rVB      | 505086         | 862956        | 63.91%          | 3.765%        |
| 24        | 12.707      | 1767          | 1772        | 1775         | rBV6     | 9260           | 15010         | 1.11%           | 0.065%        |
| 25        | 12.804      | 1781          | 1788        | 1792         | rBV      | 41011          | 71079         | 5.26%           | 0.310%        |
| 26        | 12.871      | 1792          | 1799        | 1802         | rBV      | 142756         | 247224        | 18.31%          | 1.079%        |
| 27        | 12.902      | 1802          | 1804        | 1805         | rVV      | 62189          | 62595         | 4.64%           | 0.273%        |
| 28        | 12.932      | 1805          | 1809        | 1816         | rVB2     | 239365         | 439323        | 32.53%          | 1.917%        |
| 29        | 12.993      | 1816          | 1819        | 1823         | rVB3     | 27866          | 37123         | 2.75%           | 0.162%        |
| 30        | 13.042      | 1823          | 1827        | 1830         | rBV3     | 13053          | 22429         | 1.66%           | 0.098%        |
| 31        | 13.103      | 1830          | 1837        | 1843         | rBV      | 91029          | 194258        | 14.39%          | 0.848%        |
| 32        | 13.164      | 1843          | 1847        | 1852         | rVB4     | 55817          | 90725         | 6.72%           | 0.396%        |
| 33        | 13.255      | 1856          | 1862        | 1866         | rVB      | 310149         | 461372        | 34.17%          | 2.013%        |
| 34        | 13.292      | 1866          | 1868        | 1873         | rVB2     | 18779          | 23490         | 1.74%           | 0.102%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
 Data File : VW008508.D  
 Acq On : 04 Feb 2019 18:09  
 Operator : SY/VA  
 Sample : K1350-03  
 Misc : 7.39G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EO-03-020419-B

## 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 | 13.347 | 1873 | 1877 | 1879 | rBV5 | 20060  | 30761   | 2.28%  | 0.134% |
| 36 | 13.383 | 1880 | 1883 | 1887 | rVB2 | 31571  | 45094   | 3.34%  | 0.197% |
| 37 | 13.444 | 1888 | 1893 | 1897 | rBV3 | 93106  | 164708  | 12.20% | 0.719% |
| 38 | 13.487 | 1897 | 1900 | 1904 | rBV3 | 55318  | 83322   | 6.17%  | 0.364% |
| 39 | 13.560 | 1907 | 1912 | 1920 | rVB2 | 609357 | 1109955 | 82.20% | 4.843% |
| 40 | 13.627 | 1920 | 1923 | 1928 | rVB2 | 69335  | 85091   | 6.30%  | 0.371% |
| 41 | 13.725 | 1929 | 1939 | 1940 | rBV4 | 53712  | 102931  | 7.62%  | 0.449% |
| 42 | 13.755 | 1940 | 1944 | 1948 | rBV3 | 208399 | 305648  | 22.63% | 1.334% |
| 43 | 13.798 | 1948 | 1951 | 1954 | rVB3 | 86782  | 116129  | 8.60%  | 0.507% |
| 44 | 13.877 | 1959 | 1964 | 1969 | rBV  | 548303 | 794255  | 58.82% | 3.465% |
| 45 | 13.926 | 1969 | 1972 | 1973 | rBV  | 19666  | 21576   | 1.60%  | 0.094% |
| 46 | 13.956 | 1973 | 1977 | 1980 | rVB  | 62984  | 79726   | 5.90%  | 0.348% |
| 47 | 14.017 | 1983 | 1987 | 1988 | rBV  | 99974  | 119841  | 8.87%  | 0.523% |
| 48 | 14.042 | 1989 | 1991 | 1995 | rVB  | 119483 | 145689  | 10.79% | 0.636% |
| 49 | 14.097 | 1996 | 2000 | 2005 | rVB  | 160573 | 246156  | 18.23% | 1.074% |
| 50 | 14.139 | 2005 | 2007 | 2013 | rVB3 | 50210  | 91196   | 6.75%  | 0.398% |
| 51 | 14.206 | 2013 | 2018 | 2023 | rBV3 | 208155 | 365292  | 27.05% | 1.594% |
| 52 | 14.267 | 2023 | 2028 | 2034 | rBV6 | 52097  | 130023  | 9.63%  | 0.567% |
| 53 | 14.347 | 2034 | 2041 | 2044 | rBV5 | 115548 | 291748  | 21.61% | 1.273% |
| 54 | 14.389 | 2044 | 2048 | 2052 | rVB4 | 147666 | 207875  | 15.39% | 0.907% |
| 55 | 14.432 | 2052 | 2055 | 2057 | rBV3 | 74965  | 79968   | 5.92%  | 0.349% |
| 56 | 14.462 | 2057 | 2060 | 2063 | rVB  | 126106 | 157244  | 11.64% | 0.686% |
| 57 | 14.505 | 2063 | 2067 | 2071 | rBV  | 162698 | 214077  | 15.85% | 0.934% |
| 58 | 14.548 | 2071 | 2074 | 2080 | rVB4 | 107994 | 151875  | 11.25% | 0.663% |
| 59 | 14.609 | 2080 | 2084 | 2087 | rBV4 | 55938  | 97431   | 7.22%  | 0.425% |
| 60 | 14.645 | 2087 | 2090 | 2094 | rVB  | 97091  | 121952  | 9.03%  | 0.532% |
| 61 | 14.694 | 2094 | 2098 | 2100 | rBV  | 216329 | 341688  | 25.30% | 1.491% |
| 62 | 14.731 | 2100 | 2104 | 2110 | rVB3 | 640051 | 1000564 | 74.10% | 4.365% |
| 63 | 14.810 | 2110 | 2117 | 2121 | rBV3 | 459988 | 1064568 | 78.84% | 4.645% |
| 64 | 14.962 | 2137 | 2142 | 2149 | rVB  | 306829 | 530692  | 39.30% | 2.315% |
| 65 | 15.066 | 2155 | 2159 | 2163 | rBV3 | 147741 | 218116  | 16.15% | 0.952% |
| 66 | 15.182 | 2171 | 2178 | 2186 | rBV4 | 158024 | 463418  | 34.32% | 2.022% |
| 67 | 15.255 | 2187 | 2190 | 2198 | rVB4 | 141691 | 285355  | 21.13% | 1.245% |
| 68 | 15.334 | 2198 | 2203 | 2207 | rBV2 | 211106 | 407649  | 30.19% | 1.779% |
| 69 | 15.426 | 2214 | 2218 | 2222 | rBV  | 142800 | 209091  | 15.48% | 0.912% |
| 70 | 15.481 | 2222 | 2227 | 2230 | rBV2 | 143873 | 246066  | 18.22% | 1.074% |
| 71 | 15.560 | 2236 | 2240 | 2249 | rVB  | 601059 | 1035183 | 76.66% | 4.516% |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

## Integration Parameters: RTEINT.P

Integrator: RTE  
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 | 15.663 | 2249 | 2257 | 2263 | rBV4 | 208294 | 531559 | 39.36% | 2.319% |
| 73 | 15.737 | 2266 | 2269 | 2275 | rVV3 | 93265  | 164616 | 12.19% | 0.718% |
| 74 | 15.834 | 2279 | 2285 | 2286 | rVV3 | 103739 | 202779 | 15.02% | 0.885% |
| 75 | 15.871 | 2287 | 2291 | 2301 | rVB  | 329882 | 634683 | 47.00% | 2.769% |
| 76 | 16.023 | 2312 | 2316 | 2318 | rBV3 | 68141  | 118032 | 8.74%  | 0.515% |
| 77 | 16.182 | 2333 | 2342 | 2347 | rBV6 | 176211 | 466577 | 34.55% | 2.036% |
| 78 | 16.297 | 2358 | 2361 | 2366 | rVB2 | 60859  | 94215  | 6.98%  | 0.411% |
| 79 | 16.383 | 2370 | 2375 | 2381 | rVV3 | 163718 | 334535 | 24.77% | 1.460% |
| 80 | 16.450 | 2381 | 2386 | 2390 | rVV2 | 109192 | 203024 | 15.03% | 0.886% |
| 81 | 16.505 | 2390 | 2395 | 2401 | rVB  | 247142 | 437519 | 32.40% | 1.909% |

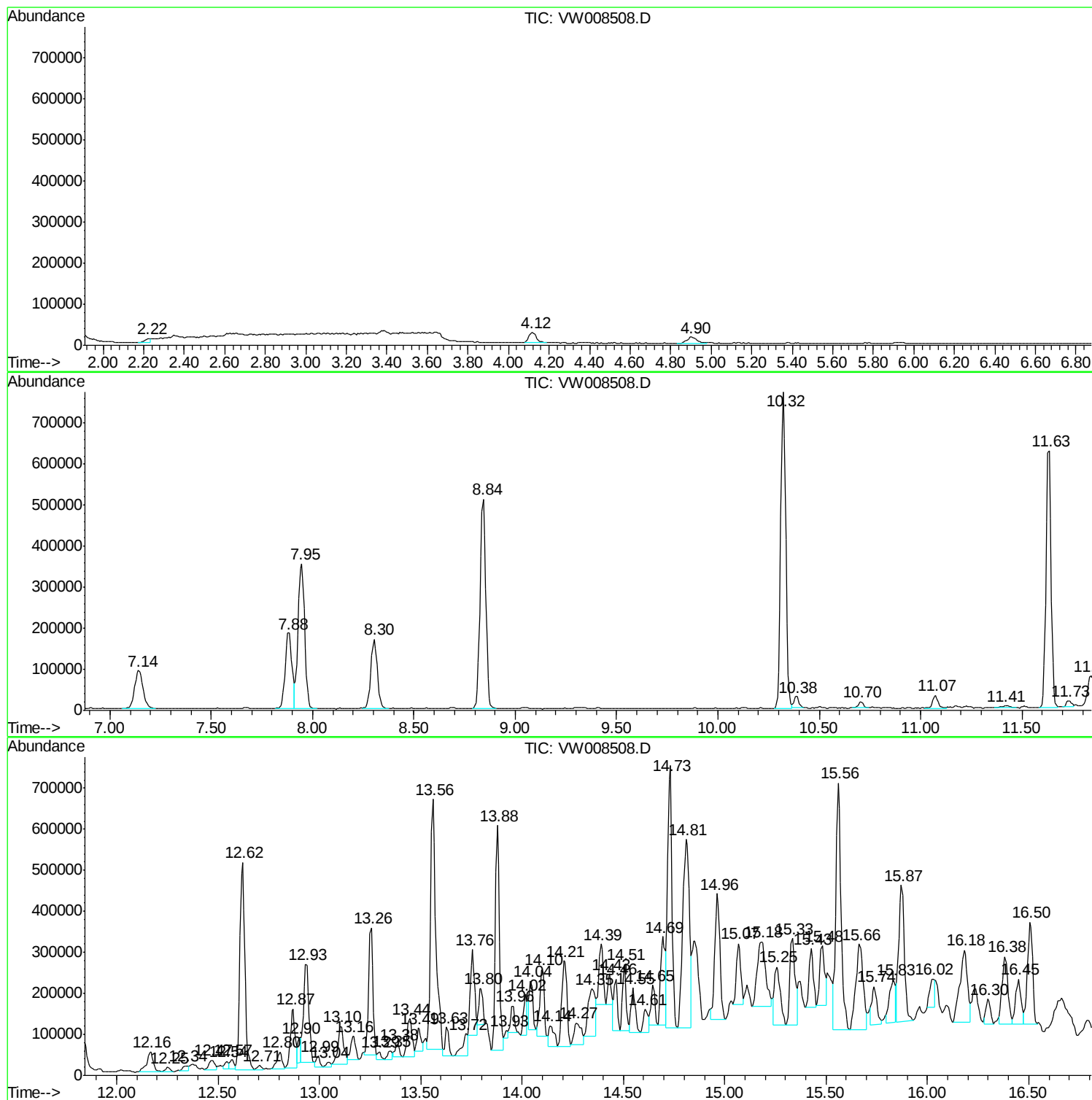
Sum of corrected areas: 22920501

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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\VW020419\  
 Data File : VW008508.D  
 Acq On : 04 Feb 2019 18:09  
 Operator : SY/VA  
 Sample : K1350-03  
 Misc : 7.39G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EO-03-020419-B

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

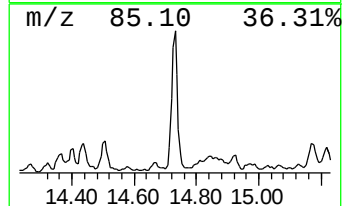
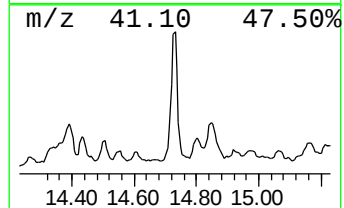
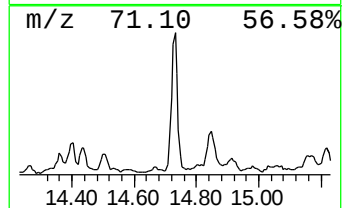
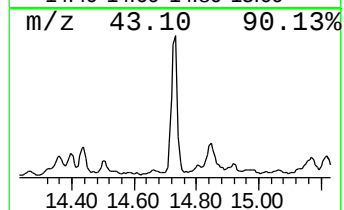
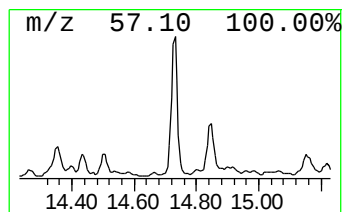
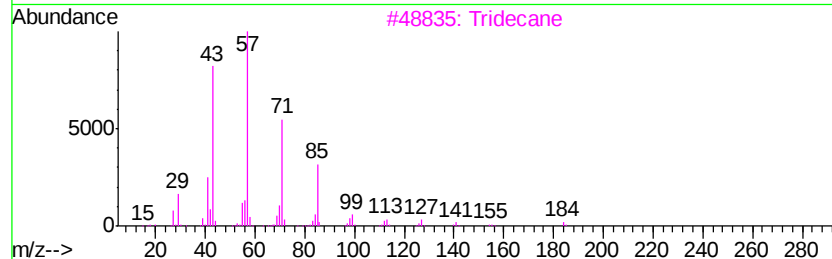
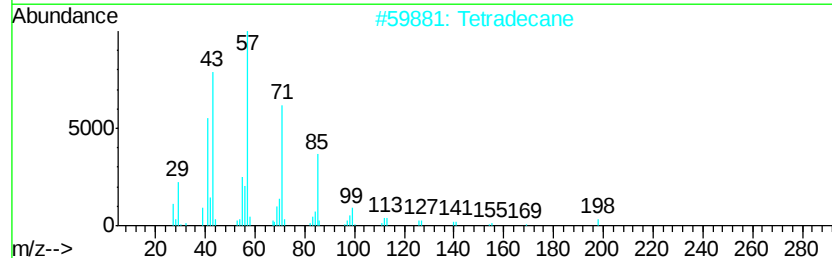
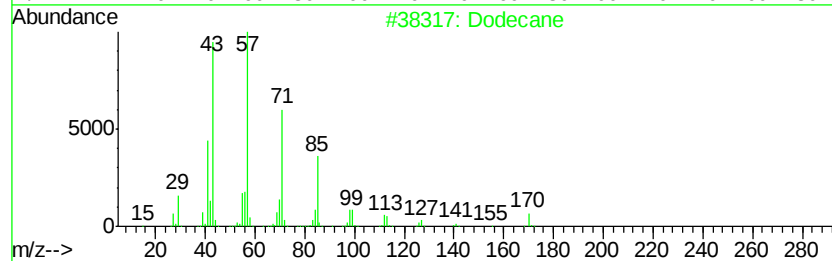
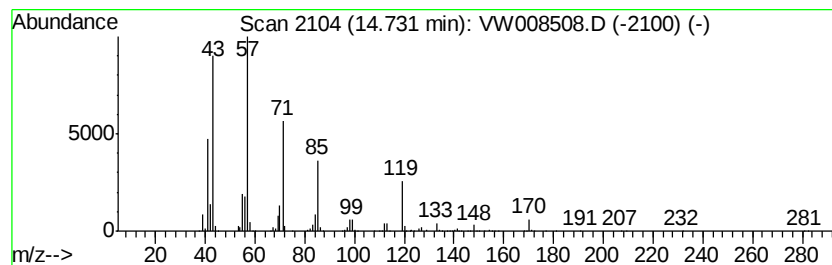
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 2 Dodecane Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.73 | 45.07 ug/l | 1000560 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane     | 170 | C12H26  | 000112-40-3 | 95   |
| 2    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 64   |
| 3    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 64   |
| 4    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 64   |
| 5    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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

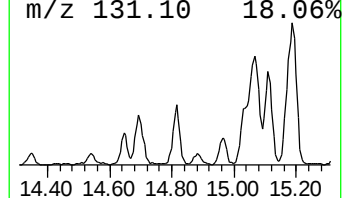
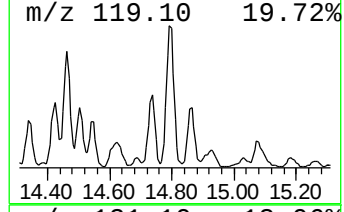
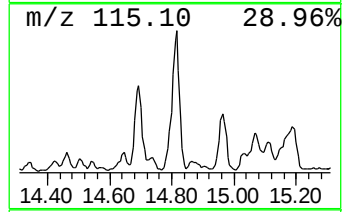
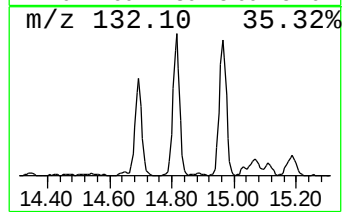
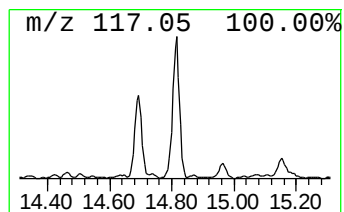
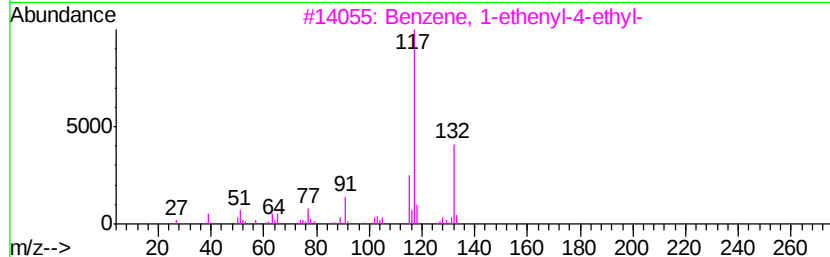
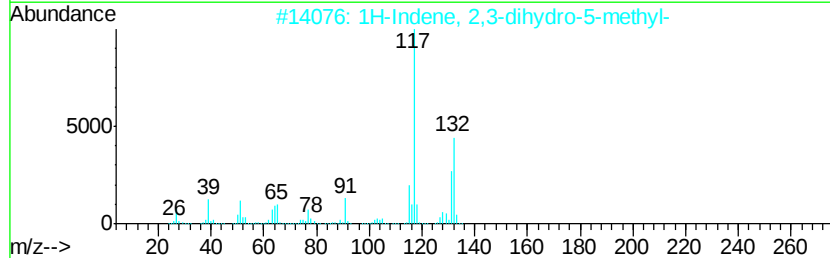
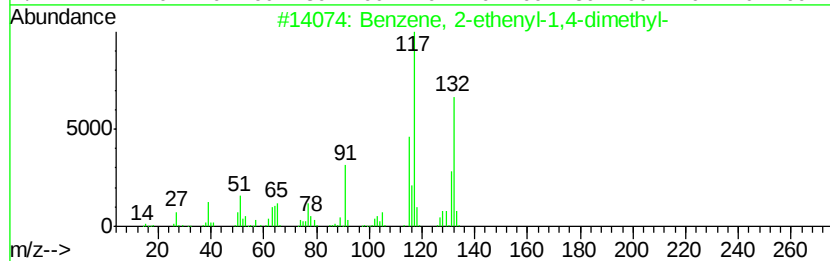
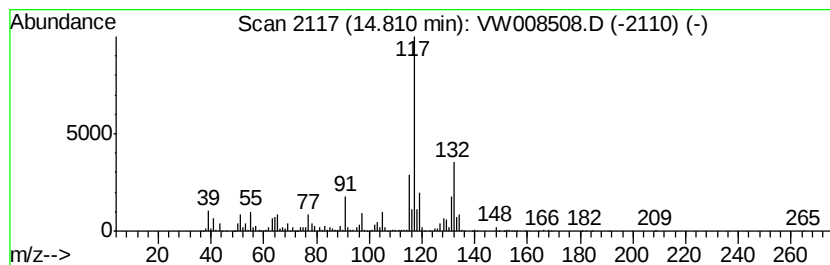
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.81 | 47.96 ug/l | 1064570 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 95   |
| 2    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 94   |
| 3    |    | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 93   |
| 4    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 90   |
| 5    |    | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 81   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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

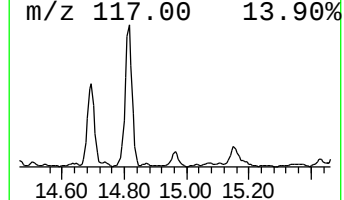
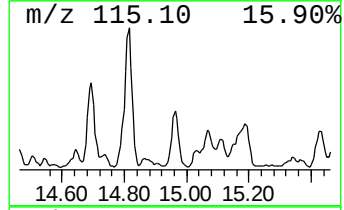
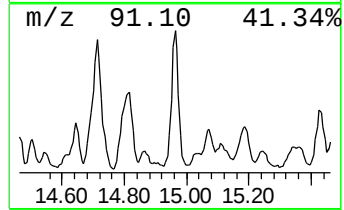
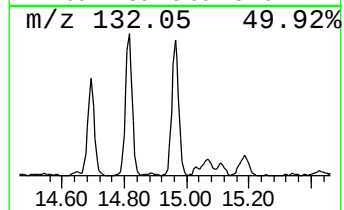
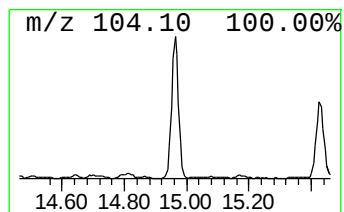
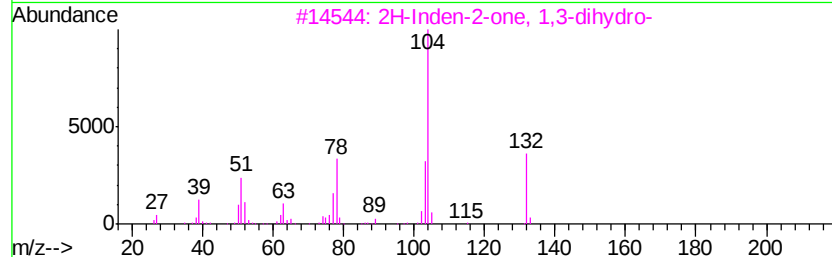
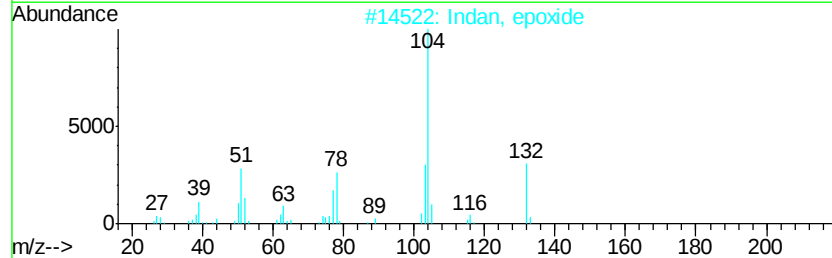
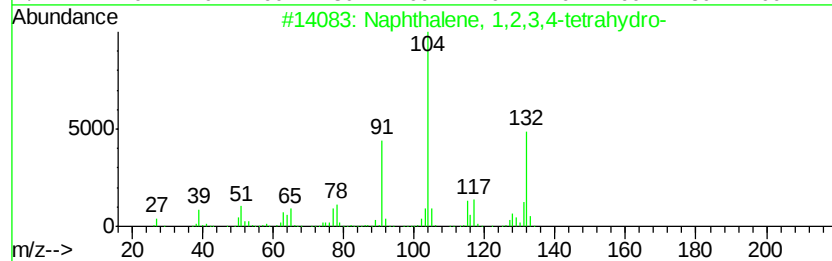
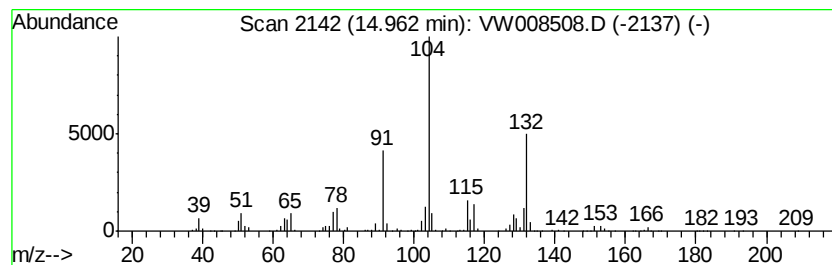
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.96 | 23.91 ug/l | 530692 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12   | 000119-64-2 | 97   |
| 2    |    | Indan, epoxide                   | 132 | C9H8O    | 000768-22-9 | 58   |
| 3    |    | 2H-Inden-2-one, 1,3-dihydro-     | 132 | C9H8O    | 000615-13-4 | 53   |
| 4    |    | Benzene, 3-cyclohexen-1-yl-      | 158 | C12H14   | 004994-16-5 | 47   |
| 5    |    | N-Ethylbenzimidoyl bromide       | 211 | C9H10BrN | 041182-87-0 | 40   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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

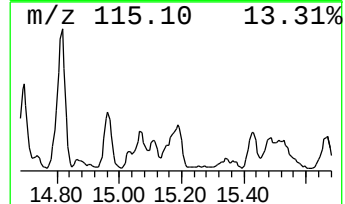
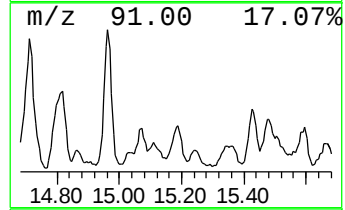
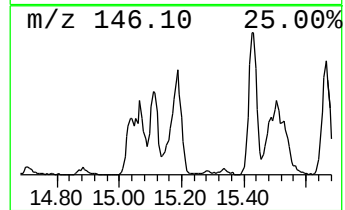
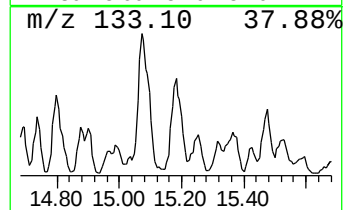
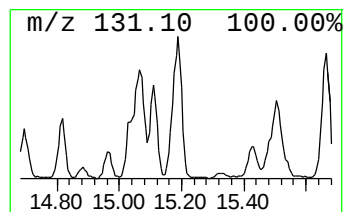
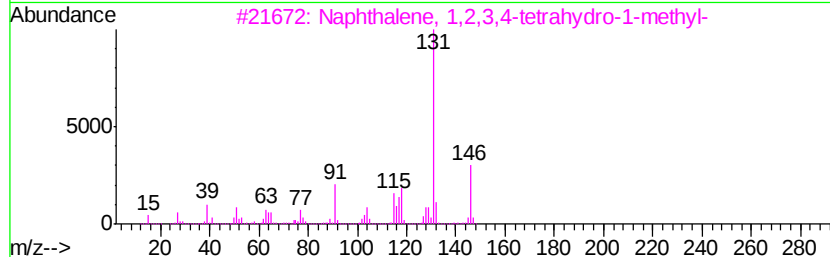
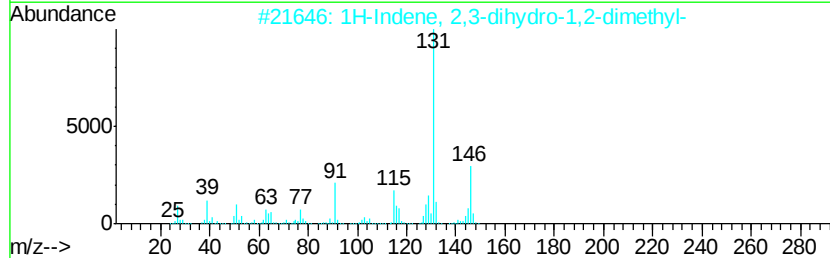
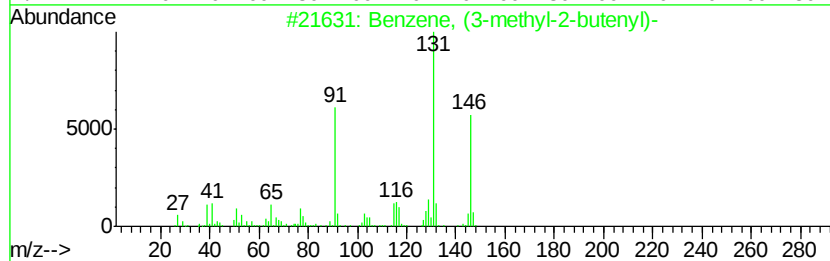
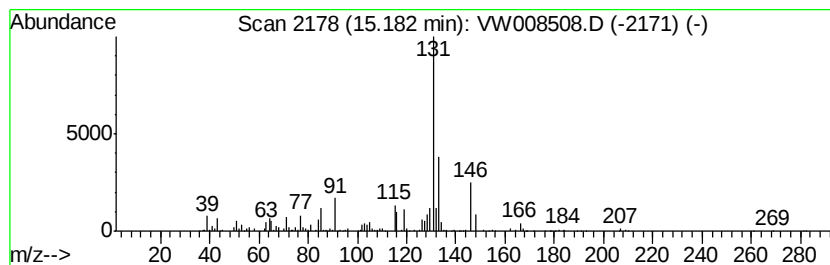
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, (3-methyl-2-butenyl)- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.18 | 20.88 ug/l | 463418 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 70   |
| 2       |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 70   |
| 3       |   | Naphthalene, 1,2,3,4-tetrahydro...  | 146 | C11H14  | 001559-81-5 | 70   |
| 4       |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 70   |
| 5       |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 70   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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

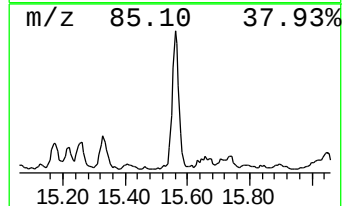
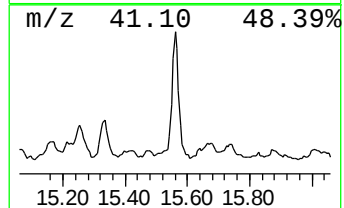
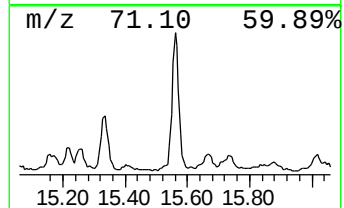
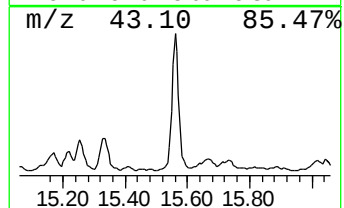
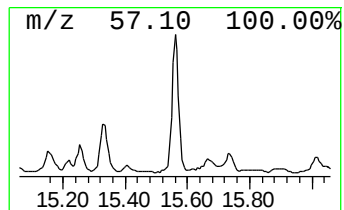
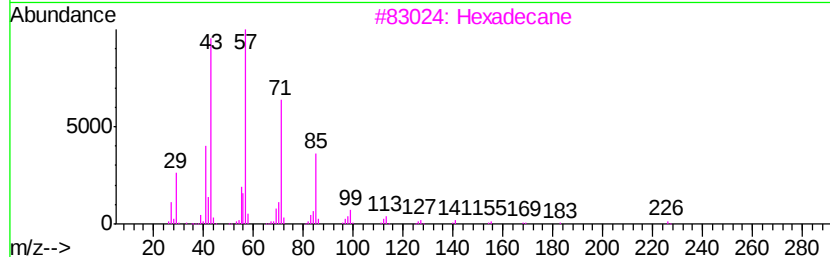
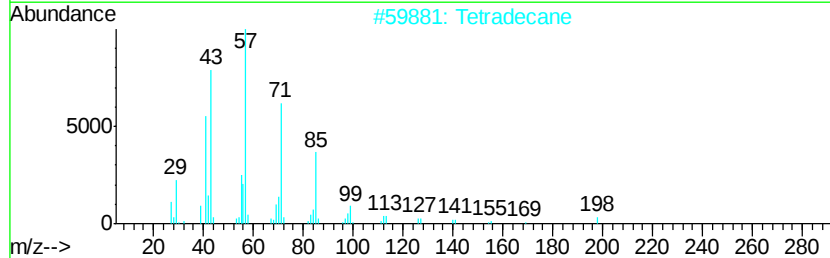
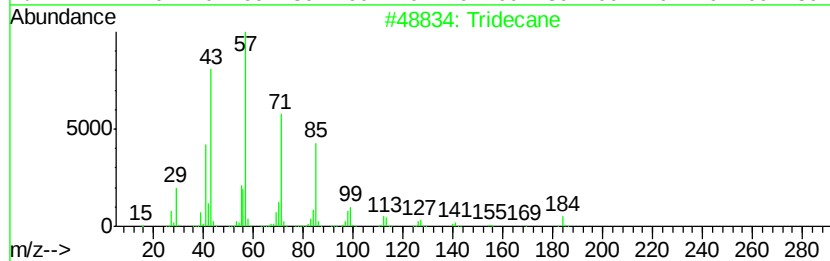
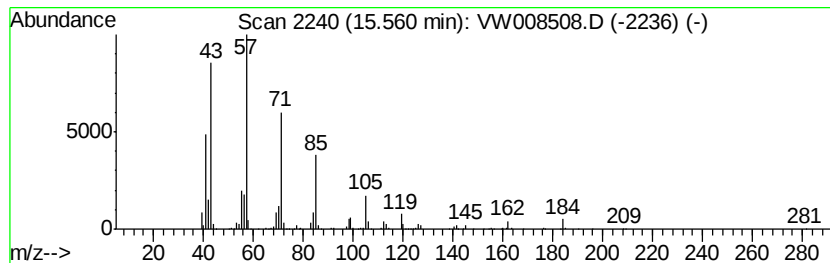
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Tridecane Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.56 | 46.63 ug/l | 1035180 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane            | 184 | C13H28  | 000629-50-5 | 94   |
| 2    |    | Tetradecane          | 198 | C14H30  | 000629-59-4 | 64   |
| 3    |    | Hexadecane           | 226 | C16H34  | 000544-76-3 | 62   |
| 4    |    | Tridecane, 2-methyl- | 198 | C14H30  | 001560-96-9 | 50   |
| 5    |    | Undecane             | 156 | C11H24  | 001120-21-4 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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

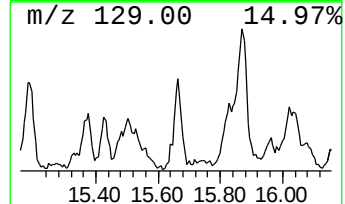
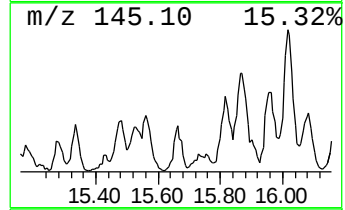
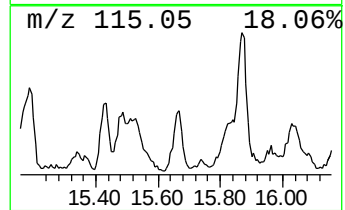
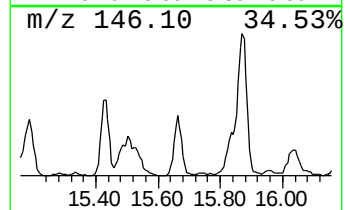
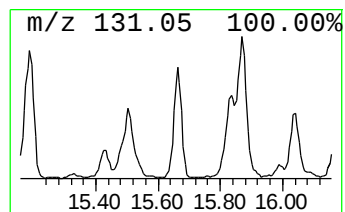
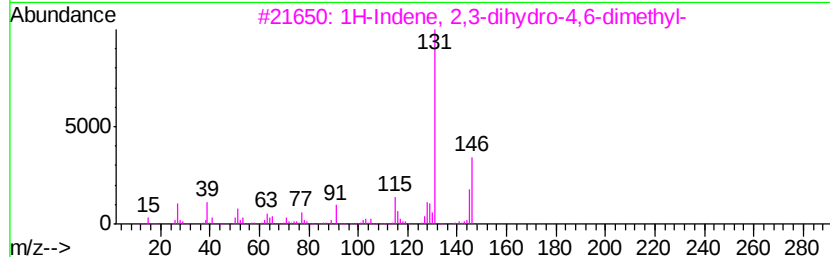
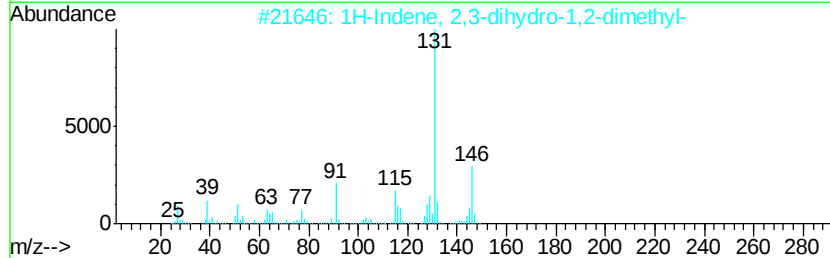
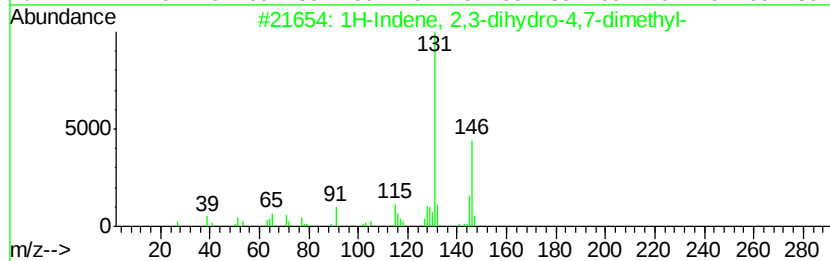
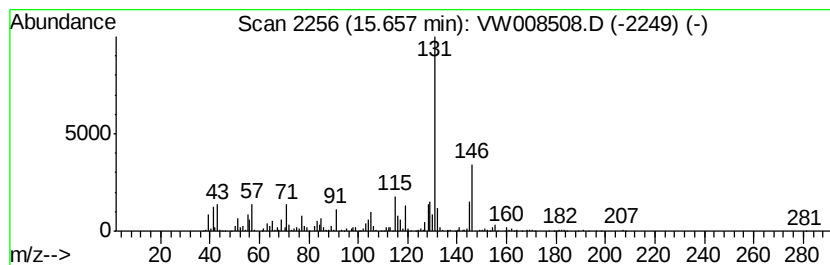
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.66 | 23.95 ug/l | 531559 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 94   |
| 3    |    | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14  | 001685-82-1 | 93   |
| 4    |    | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 93   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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

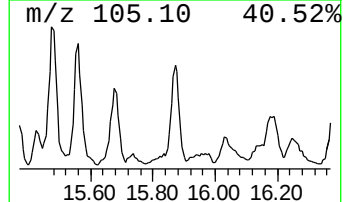
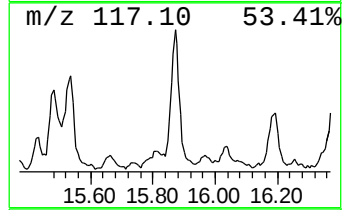
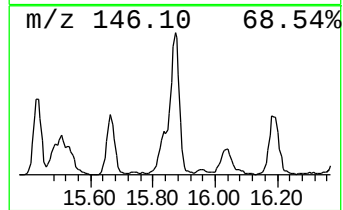
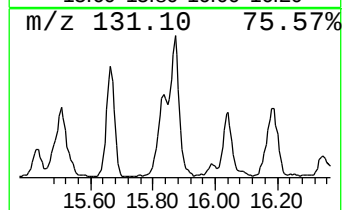
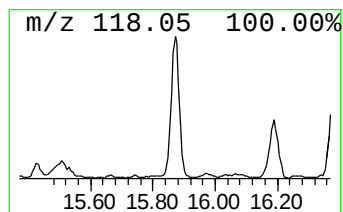
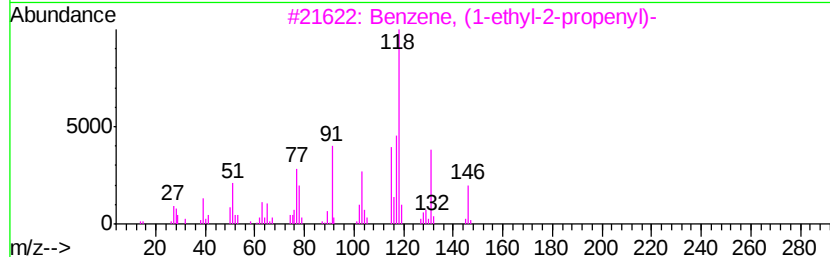
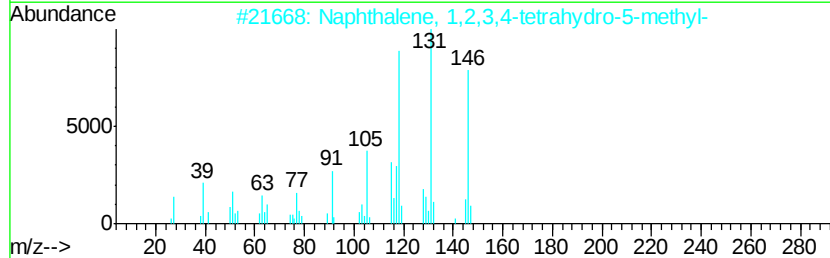
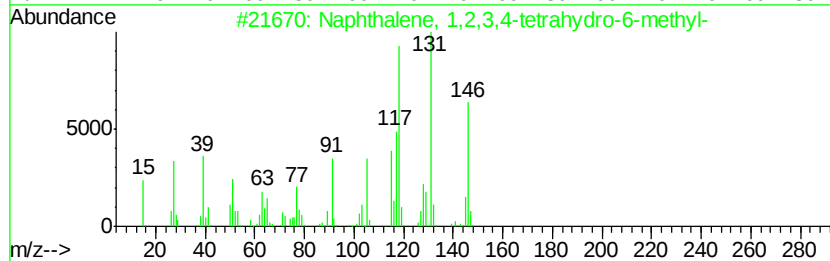
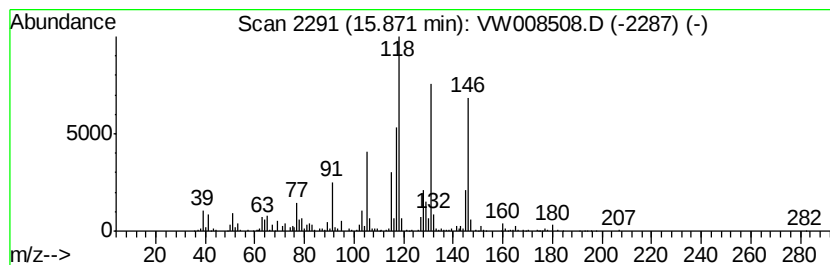
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.87 | 28.59 ug/l | 634683 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 87   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 83   |
| 3    |    | Benzene, (1-ethyl-2-propenyl)-      | 146 | C11H14   | 019947-22-9 | 80   |
| 4    |    | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 76   |
| 5    |    | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14   | 000769-57-3 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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

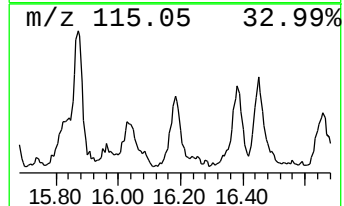
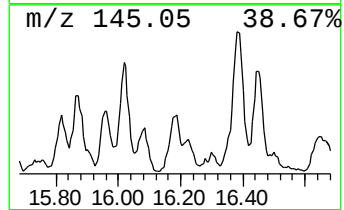
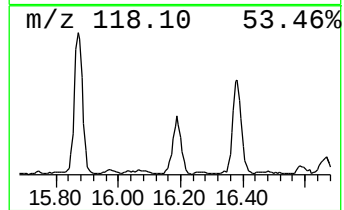
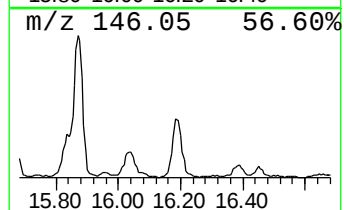
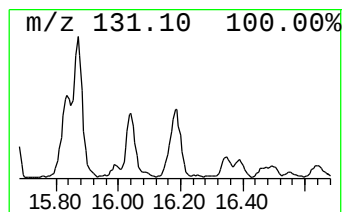
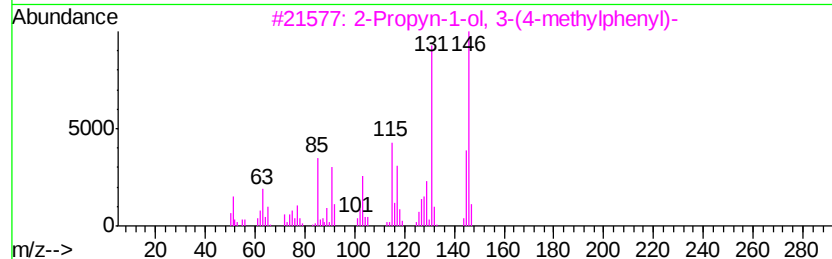
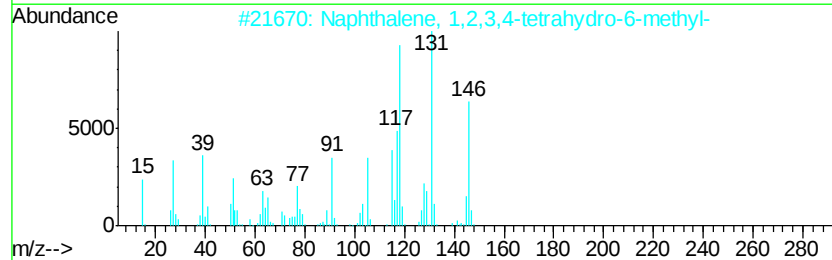
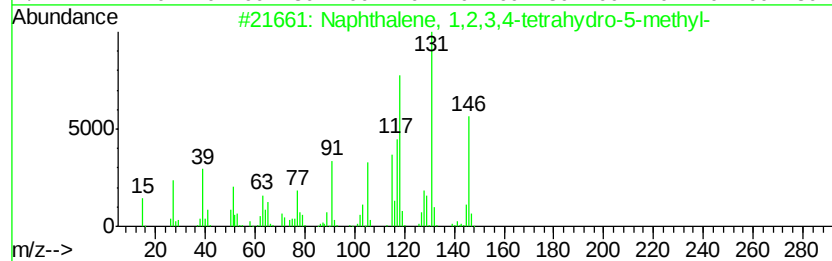
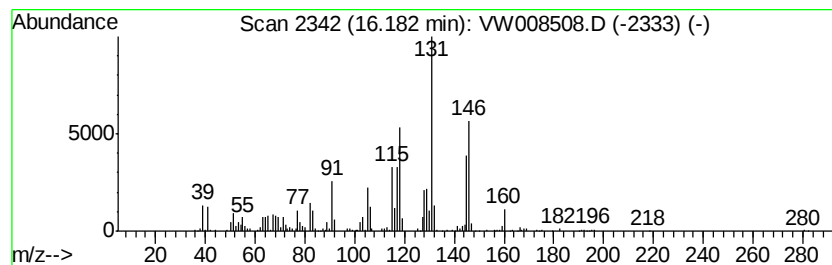
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 16.18 | 21.02 ug/l | 466577 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 81   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 70   |
| 3    |    | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 | C10H10O | 016017-24-6 | 52   |
| 4    |    | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5 | 49   |
| 5    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 49   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020419\  
 Data File : VW008508.D  
 Acq On : 04 Feb 2019 18:09  
 Operator : SY/VA  
 Sample : K1350-03  
 Misc : 7.39G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EO-03-020419-B

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

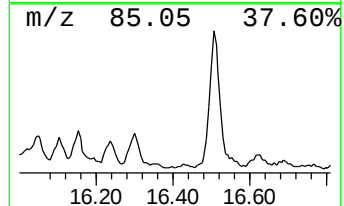
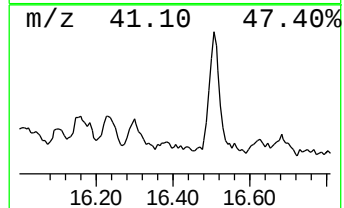
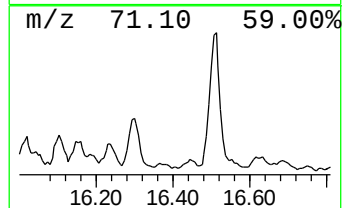
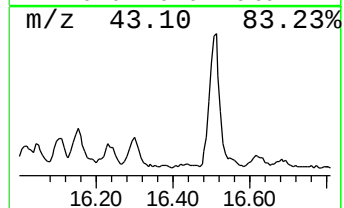
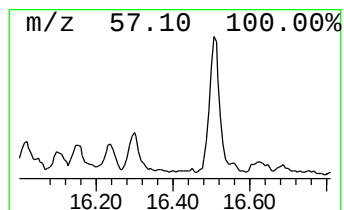
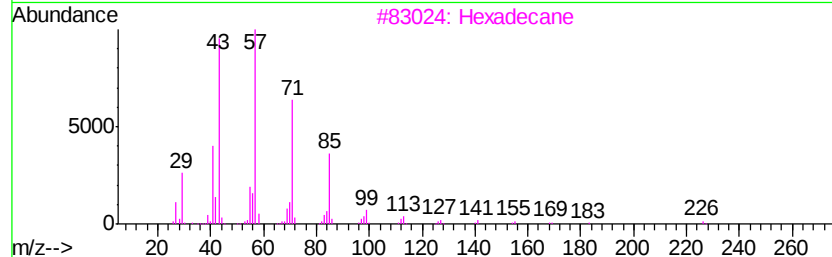
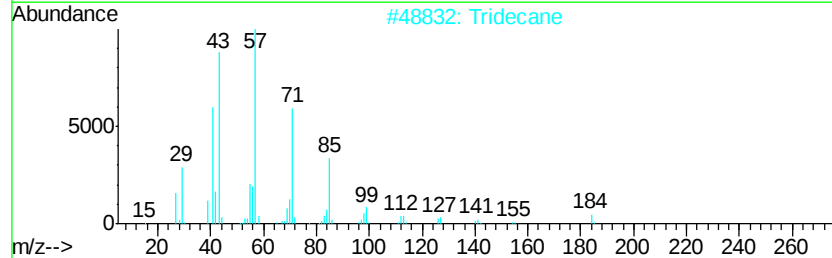
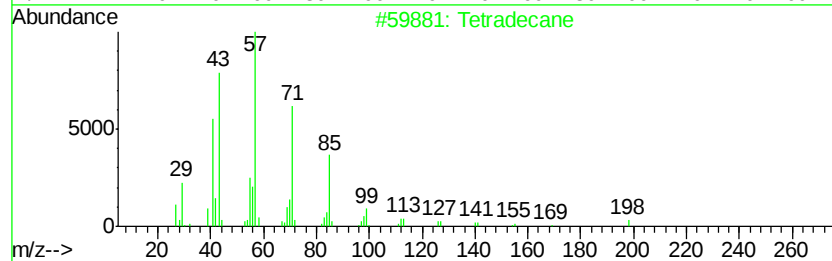
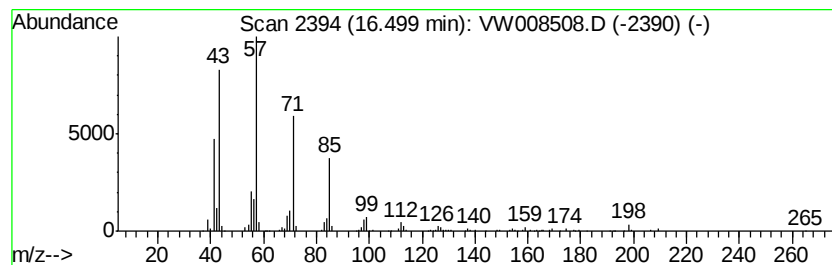
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 10 Tetradecane Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 16.50 | 19.71 ug/l | 437519 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Tetradecane             | 198 | C14H30  | 000629-59-4 | 98   |
| 2    |    | Tridecane               | 184 | C13H28  | 000629-50-5 | 95   |
| 3    |    | Hexadecane              | 226 | C16H34  | 000544-76-3 | 87   |
| 4    |    | Pentadecane             | 212 | C15H32  | 000629-62-9 | 86   |
| 5    |    | Undecane, 3,5-dimethyl- | 184 | C13H28  | 017312-81-1 | 83   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW020419\  
Data File : VW008508.D  
Acq On : 04 Feb 2019 18:09  
Operator : SY/VA  
Sample : K1350-03  
Misc : 7.39G/5ML/MSVOA\_W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-03-020419-B

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 |
| Dodecane             | 14.73 | 45.1    | ug/l  | 1000560  | 4                     | 13.56 | 1109960 | 50.0 |
| Benzene, 2-etheny... | 14.81 | 48.0    | ug/l  | 1064570  | 4                     | 13.56 | 1109960 | 50.0 |
| Naphthalene, 1,2,... | 14.96 | 23.9    | ug/l  | 530692   | 4                     | 13.56 | 1109960 | 50.0 |
| Benzene, (3-methy... | 15.18 | 20.9    | ug/l  | 463418   | 4                     | 13.56 | 1109960 | 50.0 |
| Tridecane            | 15.56 | 46.6    | ug/l  | 1035180  | 4                     | 13.56 | 1109960 | 50.0 |
| 1H-Indene, 2,3-di... | 15.66 | 23.9    | ug/l  | 531559   | 4                     | 13.56 | 1109960 | 50.0 |
| Naphthalene, 1,2,... | 15.87 | 28.6    | ug/l  | 634683   | 4                     | 13.56 | 1109960 | 50.0 |
| Naphthalene, 1,2,... | 16.18 | 21.0    | ug/l  | 466577   | 4                     | 13.56 | 1109960 | 50.0 |
| Tetradecane          | 16.50 | 19.7    | ug/l  | 437519   | 4                     | 13.56 | 1109960 | 50.0 |