

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
 Data File : VY000825.D  
 Acq On : 27 Nov 2019 17:31  
 Operator : SY/MD  
 Sample : K5676-35  
 Misc : 7.26G/5ML/MSVOA Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-01-112719

## 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\_Y\METHODS\82Y112719S.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         | 7.730       | 972           | 983         | 988          | rBV      | 188665         | 444391        | 6.76%           | 0.920%        |
| 2         | 7.797       | 988           | 994         | 1005         | rVB      | 321684         | 725791        | 11.04%          | 1.503%        |
| 3         | 8.151       | 1043          | 1052        | 1062         | rBV      | 207163         | 448050        | 6.82%           | 0.928%        |
| 4         | 8.693       | 1132          | 1141        | 1151         | rBV      | 544016         | 1064193       | 16.19%          | 2.204%        |
| 5         | 10.181      | 1376          | 1385        | 1392         | rBV      | 863542         | 1457391       | 22.17%          | 3.018%        |
| 6         | 11.485      | 1592          | 1599        | 1610         | rBV      | 741427         | 1174309       | 17.87%          | 2.432%        |
| 7         | 11.699      | 1624          | 1634        | 1644         | rVV2     | 125603         | 247637        | 3.77%           | 0.513%        |
| 8         | 12.028      | 1675          | 1688        | 1695         | rBV2     | 129428         | 261790        | 3.98%           | 0.542%        |
| 9         | 12.479      | 1757          | 1762        | 1767         | rBV      | 523007         | 770780        | 11.73%          | 1.596%        |
| 10        | 12.668      | 1785          | 1793        | 1797         | rVB      | 85467          | 142200        | 2.16%           | 0.294%        |
| 11        | 12.729      | 1797          | 1803        | 1807         | rBV      | 329256         | 541669        | 8.24%           | 1.122%        |
| 12        | 12.766      | 1807          | 1809        | 1811         | rVV      | 139283         | 166734        | 2.54%           | 0.345%        |
| 13        | 12.808      | 1811          | 1816        | 1821         | rVB2     | 362390         | 609980        | 9.28%           | 1.263%        |
| 14        | 12.967      | 1835          | 1842        | 1849         | rVV      | 223838         | 390642        | 5.94%           | 0.809%        |
| 15        | 13.040      | 1850          | 1854        | 1859         | rVB2     | 72532          | 110768        | 1.69%           | 0.229%        |
| 16        | 13.119      | 1860          | 1867        | 1872         | rBV      | 801977         | 1247846       | 18.99%          | 2.584%        |
| 17        | 13.168      | 1872          | 1875        | 1879         | rVB2     | 72561          | 101423        | 1.54%           | 0.210%        |
| 18        | 13.247      | 1885          | 1888        | 1892         | rVB      | 71997          | 103283        | 1.57%           | 0.214%        |
| 19        | 13.308      | 1892          | 1898        | 1903         | rBV2     | 155913         | 271514        | 4.13%           | 0.562%        |
| 20        | 13.363      | 1903          | 1907        | 1910         | rVV2     | 88124          | 129771        | 1.97%           | 0.269%        |
| 21        | 13.424      | 1910          | 1917        | 1920         | rVV      | 633467         | 1110666       | 16.90%          | 2.300%        |
| 22        | 13.455      | 1920          | 1922        | 1926         | rVV      | 378680         | 440164        | 6.70%           | 0.911%        |
| 23        | 13.497      | 1926          | 1929        | 1933         | rVB2     | 61366          | 72722         | 1.11%           | 0.151%        |
| 24        | 13.619      | 1945          | 1949        | 1953         | rBV      | 436331         | 594511        | 9.05%           | 1.231%        |
| 25        | 13.662      | 1953          | 1956        | 1965         | rVB3     | 347820         | 684396        | 10.41%          | 1.417%        |
| 26        | 13.747      | 1965          | 1970        | 1975         | rBV2     | 574091         | 861105        | 13.10%          | 1.783%        |
| 27        | 13.814      | 1975          | 1981        | 1988         | rBV2     | 267312         | 575854        | 8.76%           | 1.192%        |
| 28        | 13.881      | 1988          | 1992        | 1994         | rBV      | 195267         | 278807        | 4.24%           | 0.577%        |
| 29        | 13.912      | 1994          | 1997        | 2002         | rVB      | 263021         | 363360        | 5.53%           | 0.752%        |
| 30        | 13.967      | 2002          | 2006        | 2011         | rVB      | 352395         | 497325        | 7.57%           | 1.030%        |
| 31        | 14.022      | 2011          | 2015        | 2019         | rVB2     | 80376          | 133653        | 2.03%           | 0.277%        |
| 32        | 14.076      | 2019          | 2024        | 2029         | rBV      | 436214         | 675859        | 10.28%          | 1.400%        |
| 33        | 14.211      | 2040          | 2046        | 2049         | rBV3     | 114072         | 253107        | 3.85%           | 0.524%        |
| 34        | 14.253      | 2049          | 2053        | 2057         | rVV5     | 164269         | 294492        | 4.48%           | 0.610%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
 Data File : VY000825.D  
 Acq On : 27 Nov 2019 17:31  
 Operator : SY/MD  
 Sample : K5676-35  
 Misc : 7.26G/5ML/MSVOA Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-01-112719

## 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\_Y\METHODS\82Y112719S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 14.296 | 2057 | 2060 | 2062 | rVV  | 141721  | 206298  | 3.14%   | 0.427%  |
| 36 | 14.333 | 2062 | 2066 | 2070 | rVB  | 345037  | 541529  | 8.24%   | 1.121%  |
| 37 | 14.381 | 2070 | 2074 | 2077 | rBV  | 221906  | 286387  | 4.36%   | 0.593%  |
| 38 | 14.418 | 2077 | 2080 | 2086 | rVB5 | 175844  | 231264  | 3.52%   | 0.479%  |
| 39 | 14.479 | 2086 | 2090 | 2092 | rBV5 | 64652   | 86938   | 1.32%   | 0.180%  |
| 40 | 14.522 | 2093 | 2097 | 2100 | rVB  | 126802  | 167634  | 2.55%   | 0.347%  |
| 41 | 14.564 | 2100 | 2104 | 2108 | rBV2 | 373892  | 634239  | 9.65%   | 1.313%  |
| 42 | 14.613 | 2108 | 2112 | 2116 | rVB  | 766562  | 1094200 | 16.65%  | 2.266%  |
| 43 | 14.680 | 2116 | 2123 | 2128 | rBV4 | 865696  | 1864924 | 28.37%  | 3.862%  |
| 44 | 14.735 | 2128 | 2132 | 2138 | rVB4 | 342840  | 665895  | 10.13%  | 1.379%  |
| 45 | 14.832 | 2142 | 2148 | 2157 | rVB  | 681431  | 1104646 | 16.81%  | 2.287%  |
| 46 | 14.942 | 2157 | 2166 | 2169 | rBV5 | 325537  | 693012  | 10.54%  | 1.435%  |
| 47 | 14.979 | 2169 | 2172 | 2175 | rVB2 | 120869  | 160090  | 2.44%   | 0.332%  |
| 48 | 15.052 | 2177 | 2184 | 2189 | rBV4 | 319174  | 679571  | 10.34%  | 1.407%  |
| 49 | 15.131 | 2194 | 2197 | 2204 | rVB6 | 168536  | 314566  | 4.79%   | 0.651%  |
| 50 | 15.235 | 2204 | 2214 | 2219 | rBV  | 3633801 | 6572427 | 100.00% | 13.610% |
| 51 | 15.290 | 2219 | 2223 | 2227 | rVV  | 330059  | 503424  | 7.66%   | 1.042%  |
| 52 | 15.345 | 2227 | 2232 | 2242 | rVV6 | 279248  | 949160  | 14.44%  | 1.965%  |
| 53 | 15.430 | 2242 | 2246 | 2255 | rVB2 | 694999  | 1145148 | 17.42%  | 2.371%  |
| 54 | 15.521 | 2255 | 2261 | 2269 | rBV4 | 288717  | 713817  | 10.86%  | 1.478%  |
| 55 | 15.601 | 2269 | 2274 | 2279 | rVB3 | 129091  | 249661  | 3.80%   | 0.517%  |
| 56 | 15.686 | 2280 | 2288 | 2289 | rBV5 | 189192  | 343297  | 5.22%   | 0.711%  |
| 57 | 15.723 | 2290 | 2294 | 2302 | rVB  | 635442  | 1174775 | 17.87%  | 2.433%  |
| 58 | 15.814 | 2306 | 2309 | 2314 | rVV5 | 60569   | 104591  | 1.59%   | 0.217%  |
| 59 | 15.887 | 2315 | 2321 | 2330 | rVB4 | 197745  | 467583  | 7.11%   | 0.968%  |
| 60 | 16.027 | 2337 | 2344 | 2350 | rBV2 | 375122  | 834681  | 12.70%  | 1.728%  |
| 61 | 16.155 | 2361 | 2365 | 2369 | rBV  | 122381  | 197997  | 3.01%   | 0.410%  |
| 62 | 16.222 | 2370 | 2376 | 2381 | rVV2 | 385876  | 815544  | 12.41%  | 1.689%  |
| 63 | 16.289 | 2381 | 2387 | 2394 | rVV  | 2019306 | 4006613 | 60.96%  | 8.297%  |
| 64 | 16.357 | 2394 | 2398 | 2404 | rVB  | 412990  | 669145  | 10.18%  | 1.386%  |
| 65 | 16.485 | 2411 | 2419 | 2427 | rBV  | 1624523 | 3566837 | 54.27%  | 7.386%  |

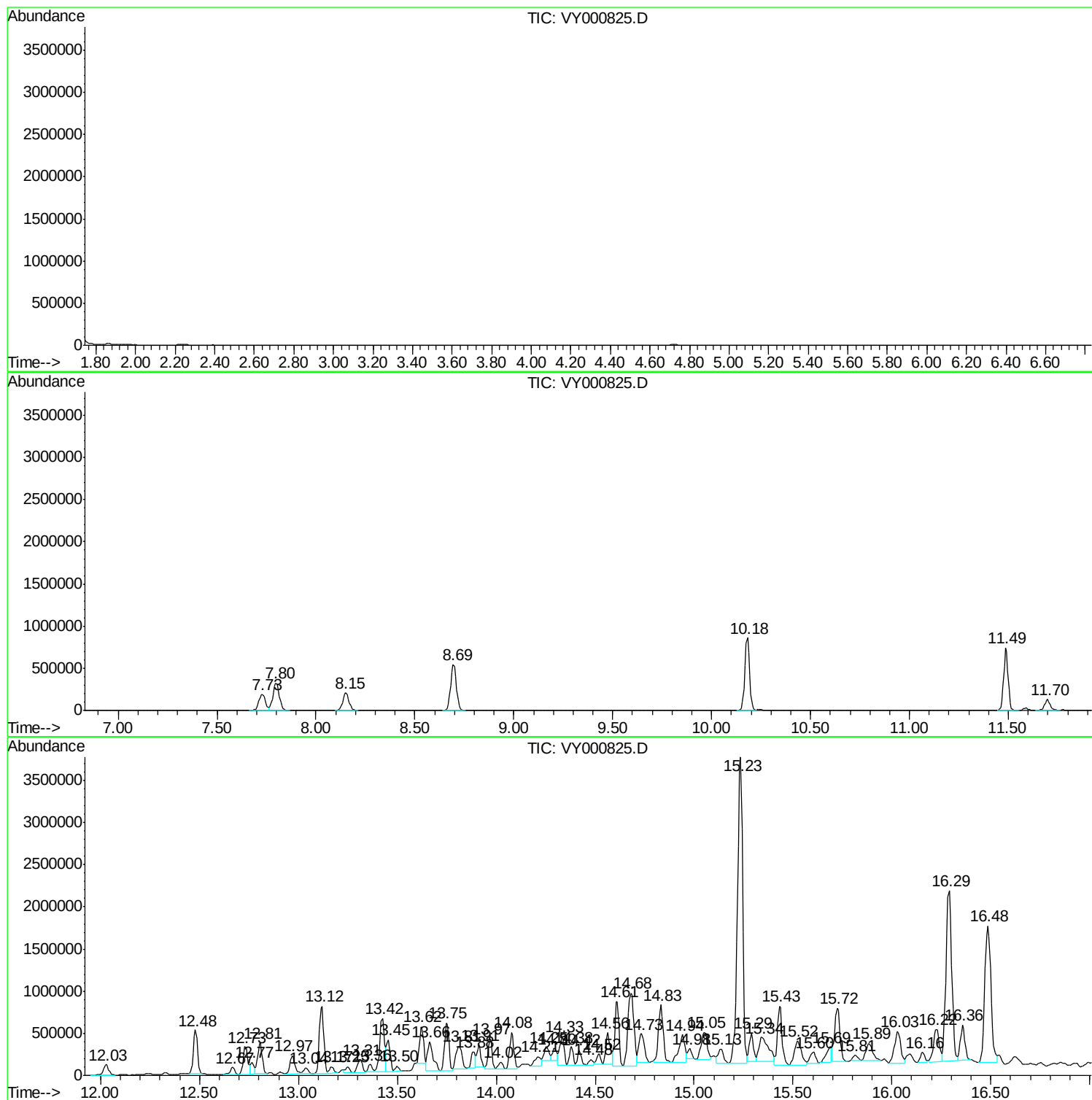
Sum of corrected areas: 48292076

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

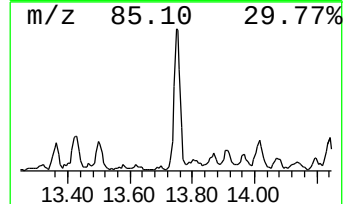
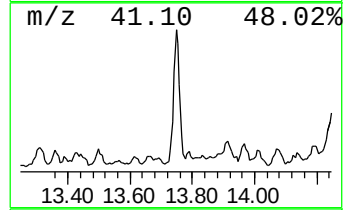
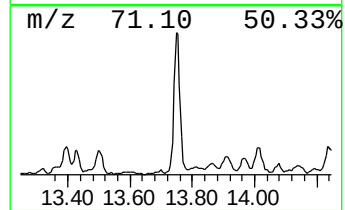
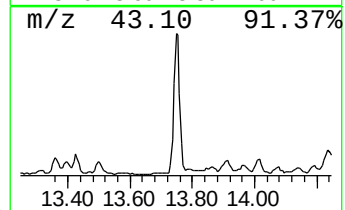
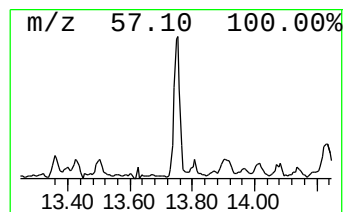
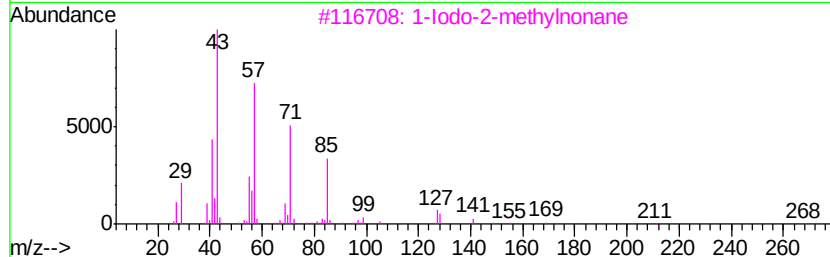
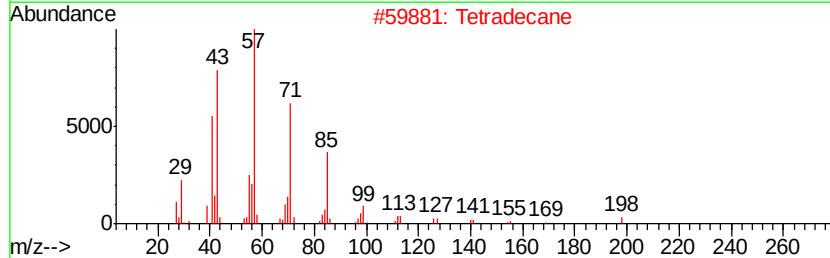
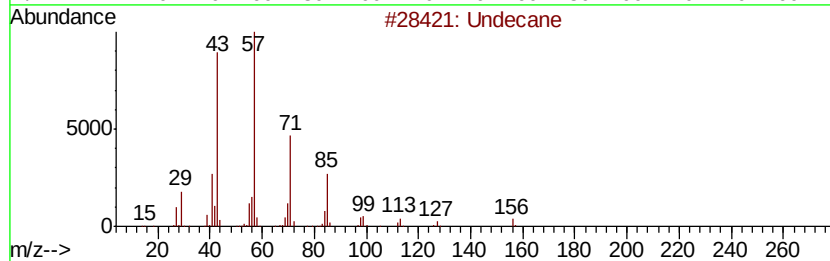
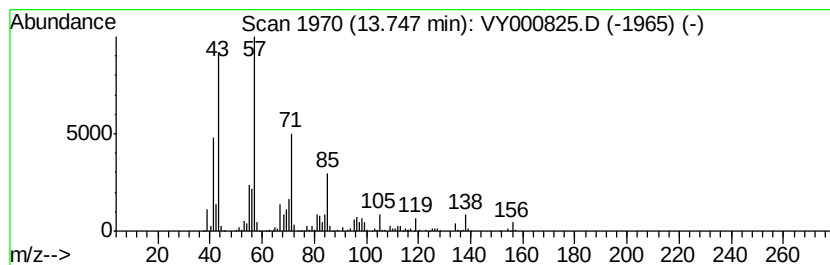
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Undecane Concentration Rank 9

| R.T.    | EstConc               | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------|--------------|------------------------|-----------|
| 13.75   | 38.77 ug/l            | 861105       | 1,4-Dichlorobenzene-d4 | 13.42     |
| Hit# of | 5                     | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Undecane              | 156 C11H24   | 001120-21-4            | 93        |
| 2       | Tetradecane           | 198 C14H30   | 000629-59-4            | 72        |
| 3       | 1-Iodo-2-methylnonane | 268 C10H21I  | 1000101-47-9           | 64        |
| 4       | Tridecane             | 184 C13H28   | 000629-50-5            | 59        |
| 5       | Tetradecane, 1-iodo-  | 324 C14H29I  | 019218-94-1            | 58        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

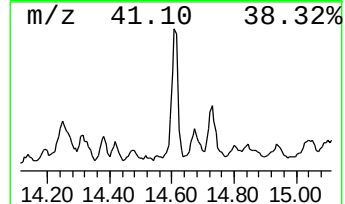
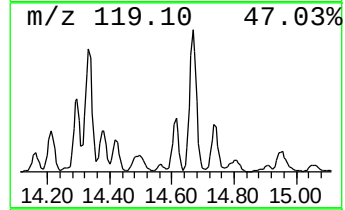
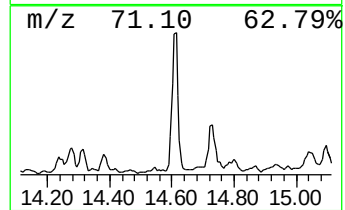
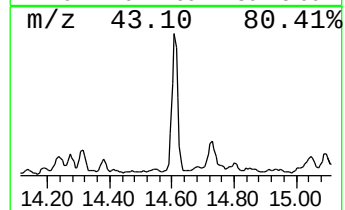
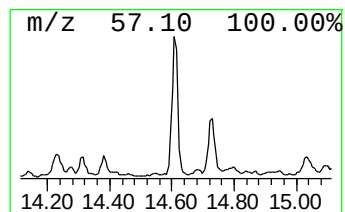
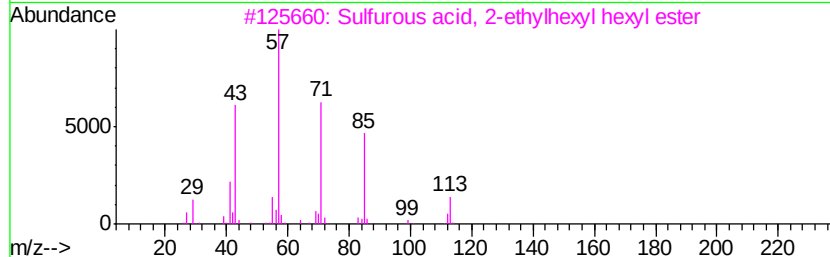
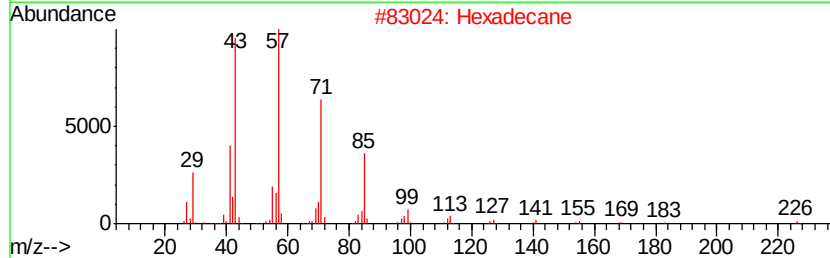
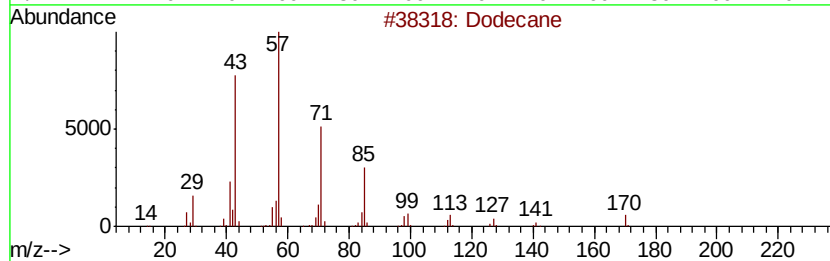
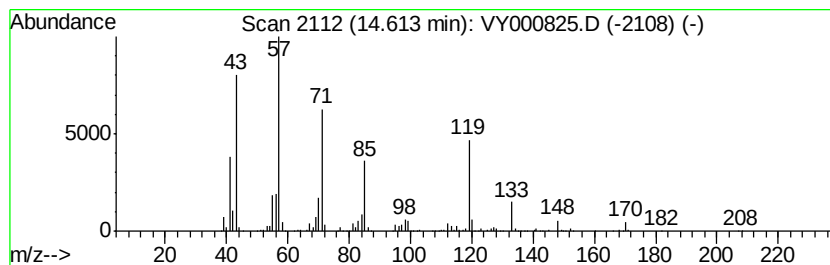
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Dodecane Concentration Rank 7

| R.T.    | EstConc                             | Area          | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|---------------|------------------------|-----------|
| 14.61   | 49.26 ug/l                          | 1094200       | 1,4-Dichlorobenzene-d4 | 13.42     |
| Hit# of | 5                                   | Tentative ID  | MW MolForm             | CAS# Qual |
| 1       | Dodecane                            | 170 C12H26    | 000112-40-3            | 55        |
| 2       | Hexadecane                          | 226 C16H34    | 000544-76-3            | 43        |
| 3       | Sulfurous acid, 2-ethylhexyl hex... | 278 C14H30O3S | 1000309-20-2           | 43        |
| 4       | Nonane, 5-(2-methylpropyl)-         | 184 C13H28    | 062185-53-9            | 38        |
| 5       | Oxalic acid, ethyl neopentyl ester  | 188 C9H16O4   | 1000309-72-4           | 35        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

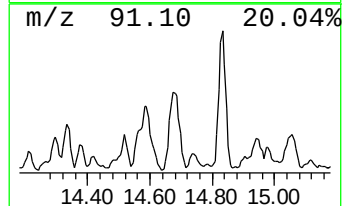
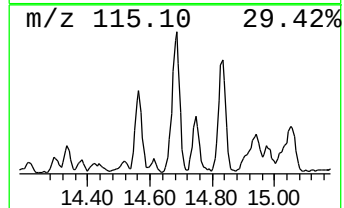
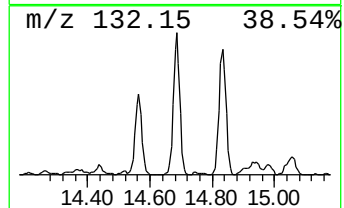
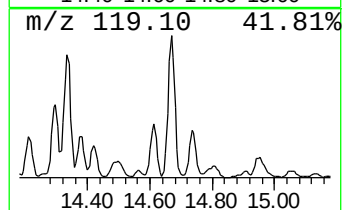
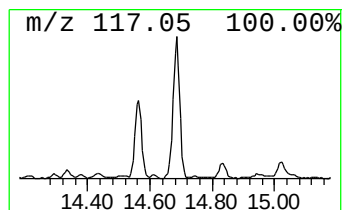
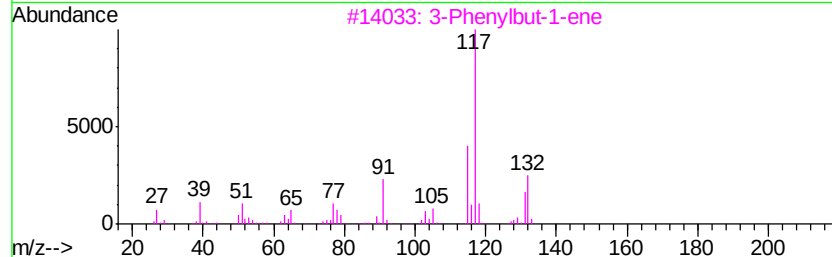
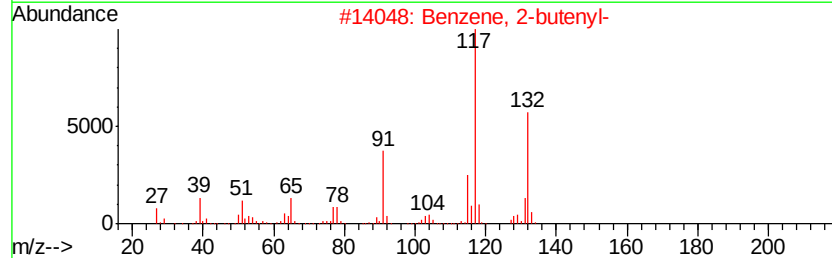
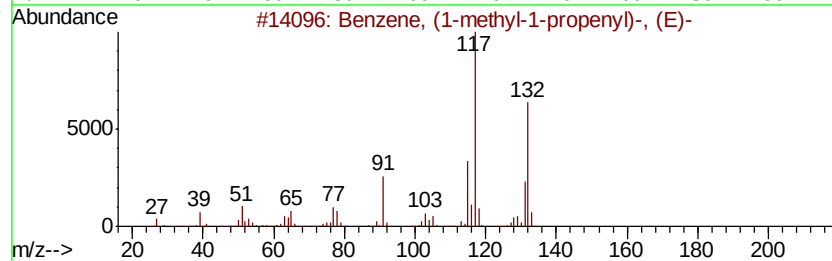
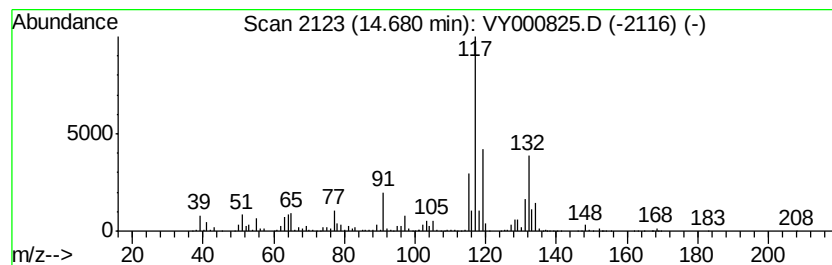
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 3-Phenylbut-1-ene Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.68 | 83.96 ug/l | 1864920 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 89   |
| 2    |    | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 76   |
| 3    |    | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 76   |
| 4    |    | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 70   |
| 5    |    | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 70   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

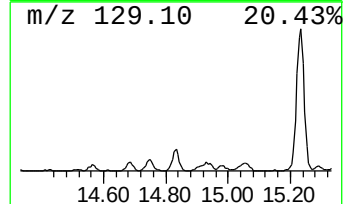
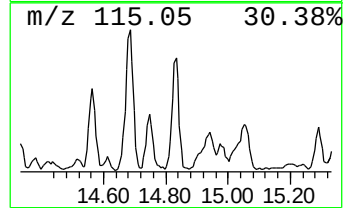
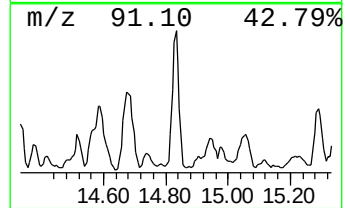
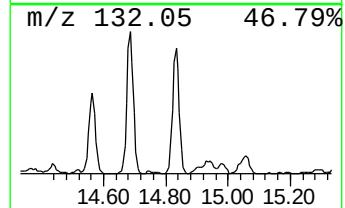
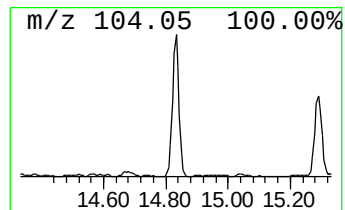
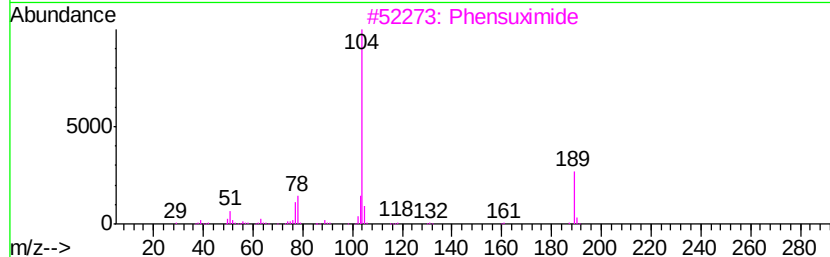
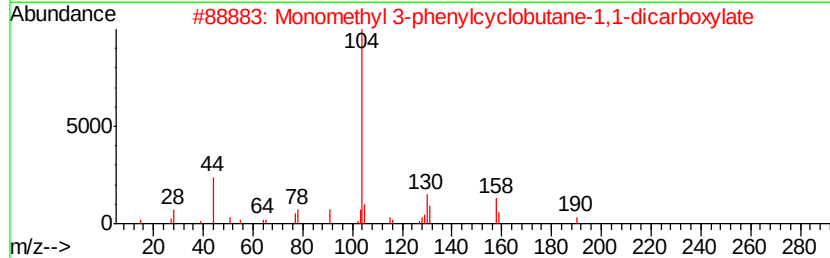
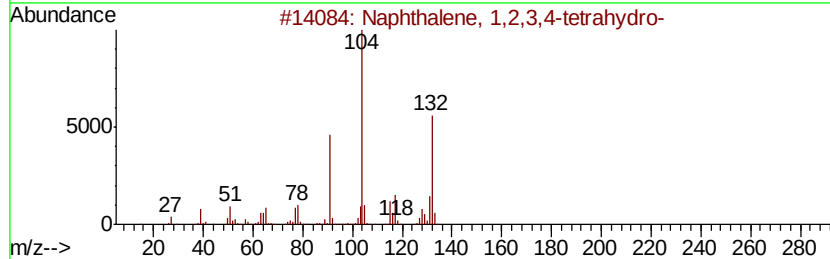
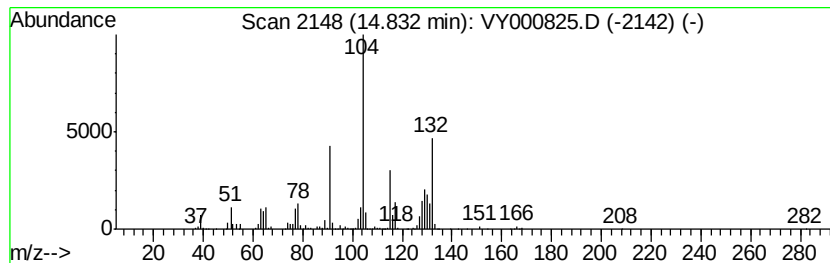
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.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.            |
|---------|------------|-------------------------------------|------------------------|-----------------|
| 14.83   | 49.73 ug/l | 1104650                             | 1,4-Dichlorobenzene-d4 | 13.42           |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-    | 132 C10H12             | 000119-64-2 90  |
| 2       |            | Monomethyl 3-phenylcyclobutane-1... | 234 C13H14O4           | 1000100-51-7 43 |
| 3       |            | Phensuximide                        | 189 C11H11NO2          | 000086-34-0 27  |
| 4       |            | Benzene, 1,1'-(1,2-cyclobutanedi... | 208 C16H16             | 007694-30-6 27  |
| 5       |            | Acetic acid, 2-phenylethyl ester    | 164 C10H12O2           | 000103-45-7 27  |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

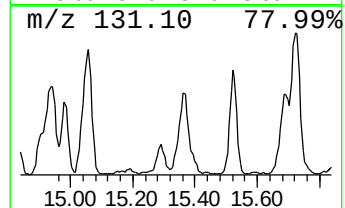
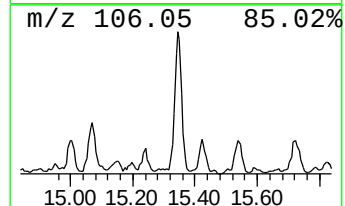
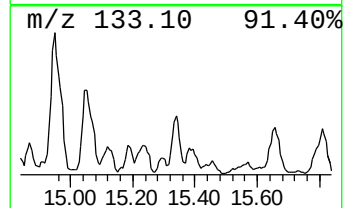
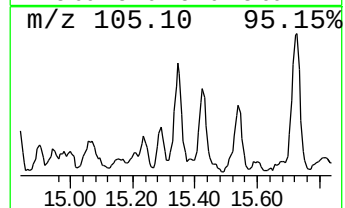
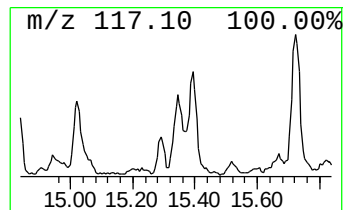
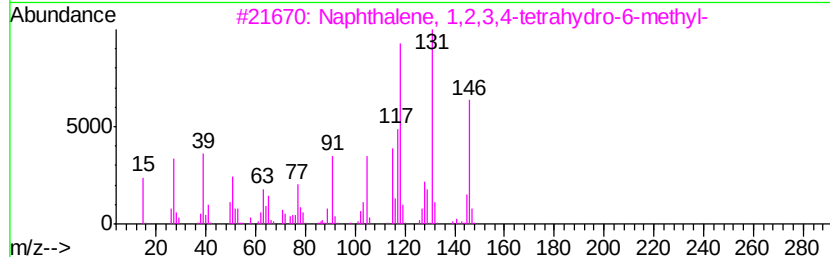
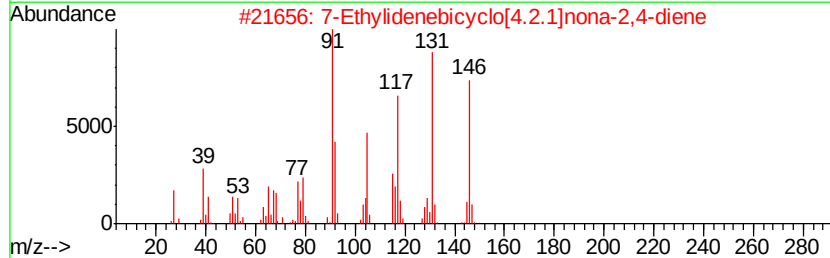
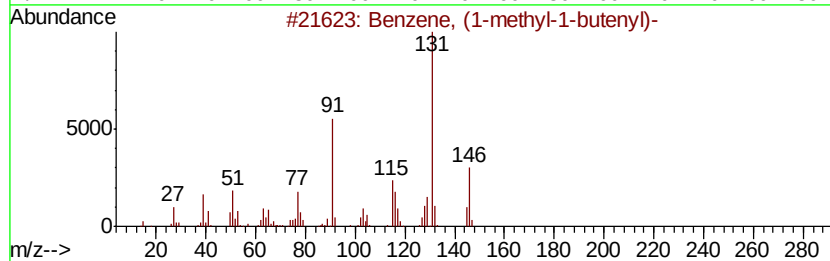
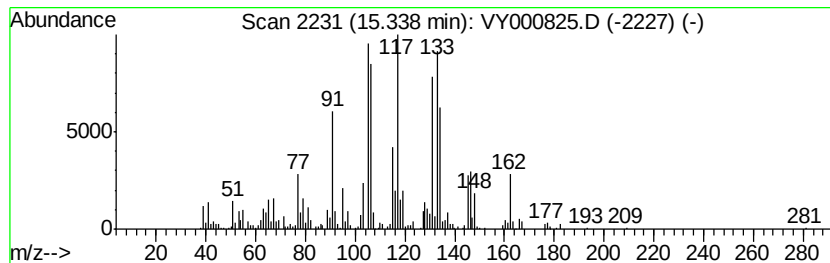
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Benzene, (1-methyl-1-butenyl)- Concentration Rank 8

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.34   | 42.73 ug/l | 949160                              | 1,4-Dichlorobenzene-d4 | 13.42          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, (1-methyl-1-butenyl)-      | 146 C11H14             | 053172-84-2 60 |
| 2       |            | 7-Ethylidenebicyclo[4.2.1]nona-2... | 146 C11H14             | 094400-10-9 55 |
| 3       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001680-51-9 46 |
| 4       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 002809-64-5 46 |
| 5       |            | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14             | 020836-11-7 38 |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

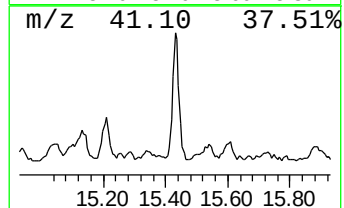
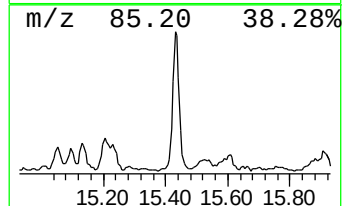
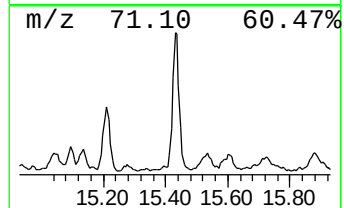
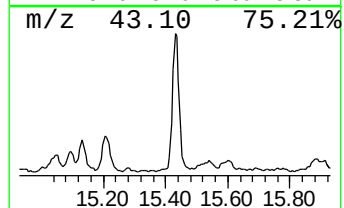
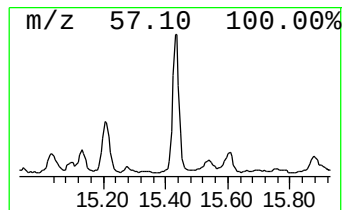
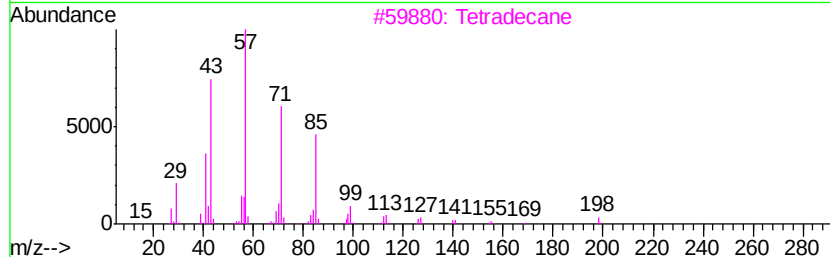
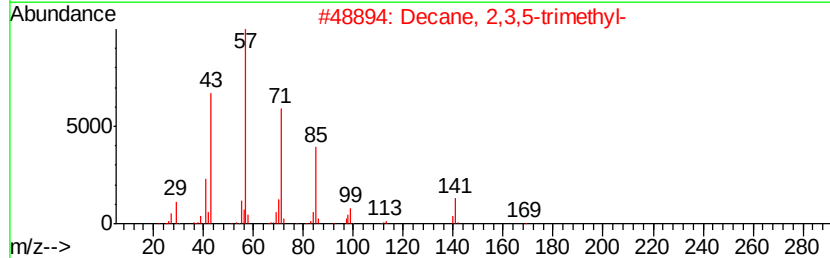
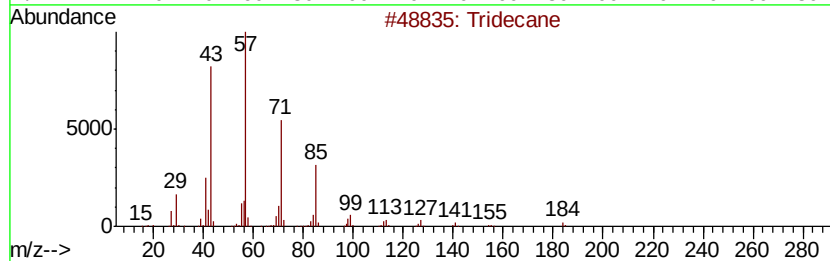
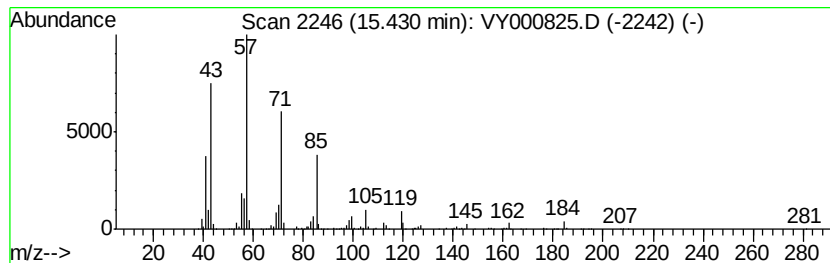
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Tridecane Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.43 | 51.55 ug/l | 1145150 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|-----|---------|-------------|------|
| 1       | Tridecane                |              | 184 | C13H28  | 000629-50-5 | 87   |
| 2       | Decane, 2,3,5-trimethyl- |              | 184 | C13H28  | 062238-11-3 | 72   |
| 3       | Tetradecane              |              | 198 | C14H30  | 000629-59-4 | 72   |
| 4       | Undecane, 2,3-dimethyl-  |              | 184 | C13H28  | 017312-77-5 | 64   |
| 5       | Eicosane, 10-methyl-     |              | 296 | C21H44  | 054833-23-7 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

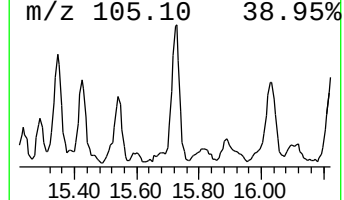
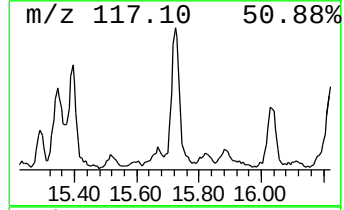
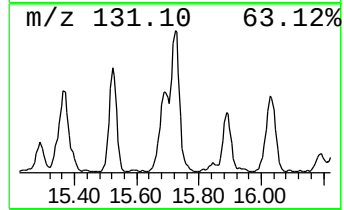
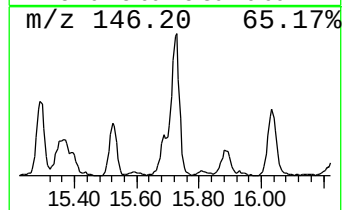
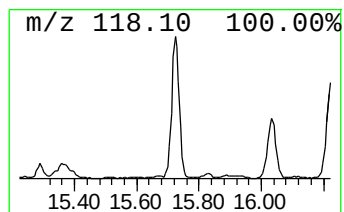
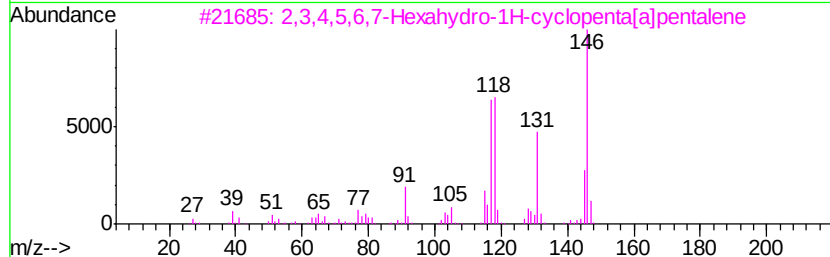
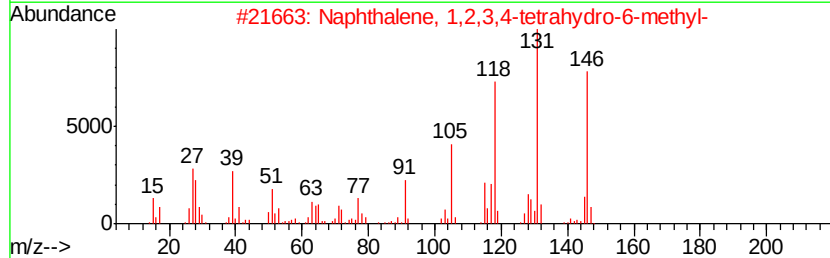
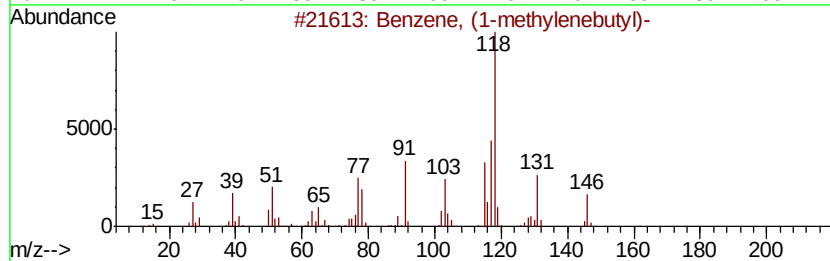
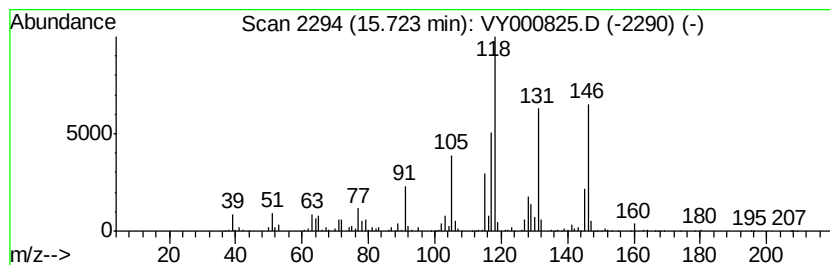
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Benzene, (1-methylenebutyl)- Concentration Rank 4

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.            |
|---------|------------|-------------------------------------|------------------------|-----------------|
| 15.72   | 52.89 ug/l | 1174780                             | 1,4-Dichlorobenzene-d4 | 13.42           |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |            | Benzene, (1-methylenebutyl)-        | 146 C11H14             | 005676-32-4 83  |
| 2       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001680-51-9 60  |
| 3       |            | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 C11H14             | 1000189-31-0 52 |
| 4       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 002809-64-5 49  |
| 5       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 160 C12H16             | 013065-07-1 47  |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

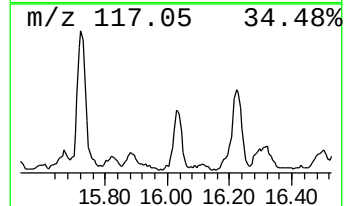
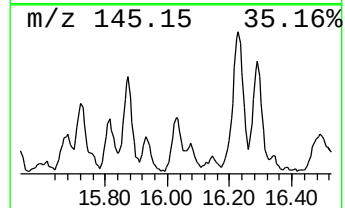
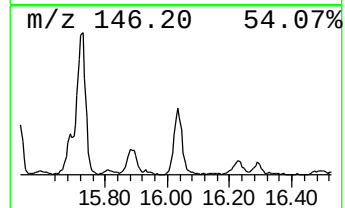
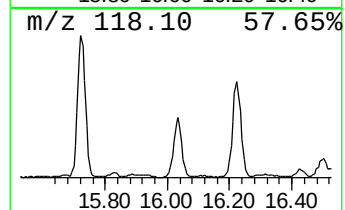
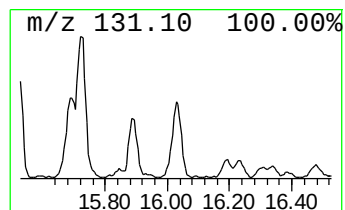
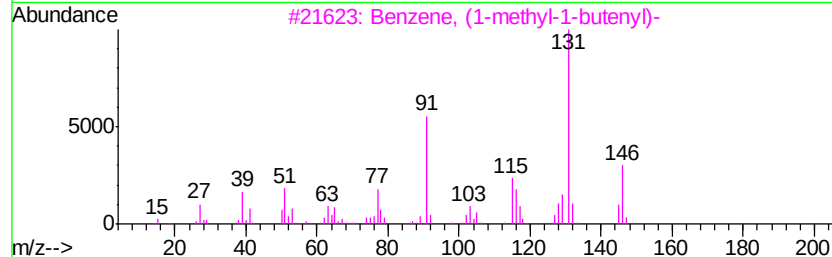
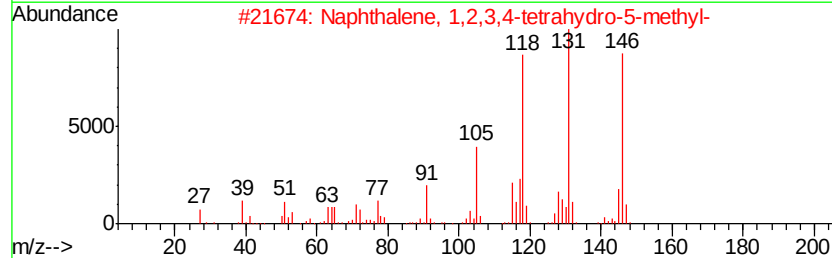
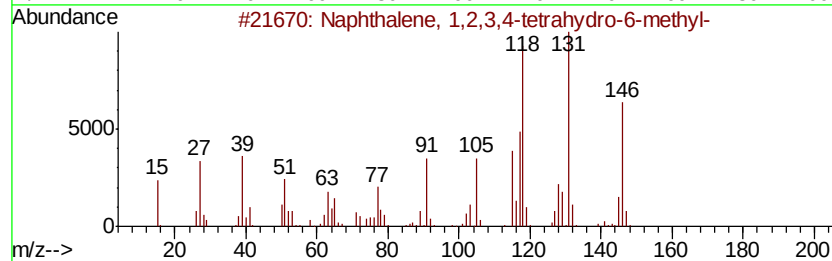
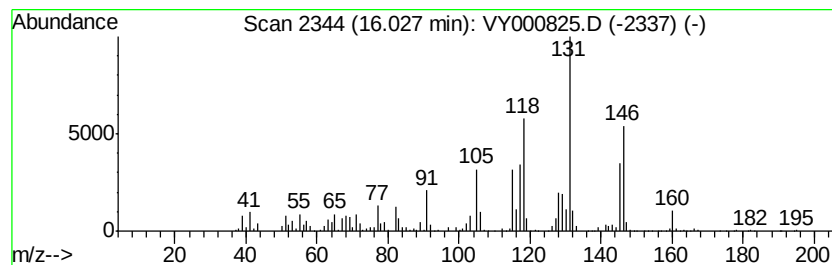
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 16.03 | 37.58 ug/l | 834681 | 1,4-Dichlorobenzene-d4 | 13.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9  | 90   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5  | 87   |
| 3    |    | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2  | 64   |
| 4    |    | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5  | 62   |
| 5    |    | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14  | 1000189-31-0 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

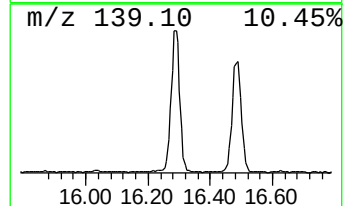
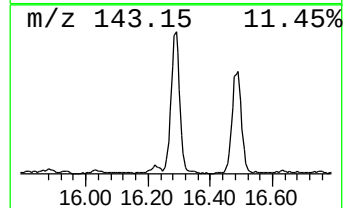
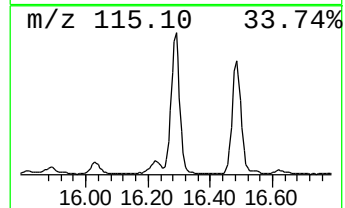
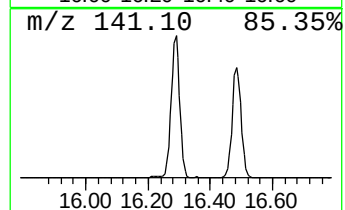
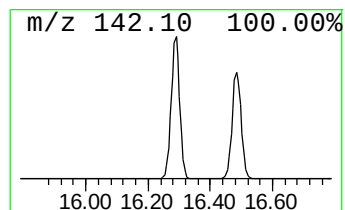
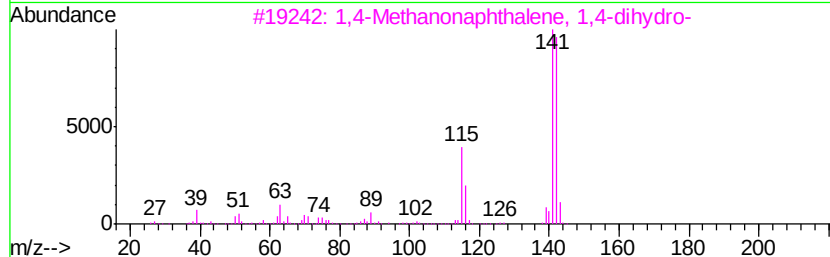
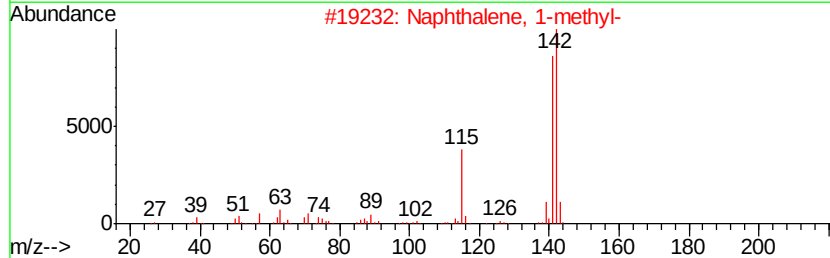
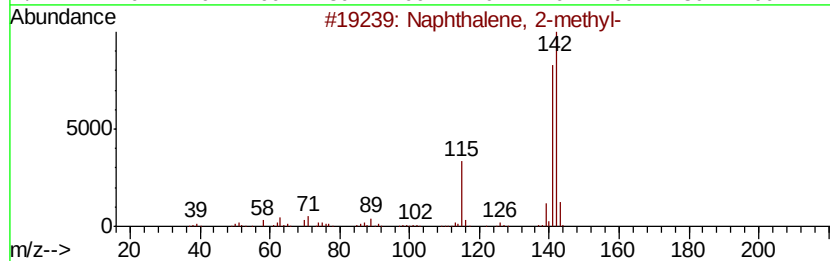
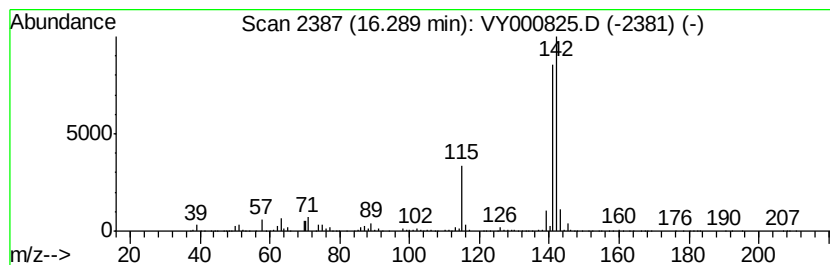
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.    | EstConc     | Area                                | Relative to ISTD       | R.T.           |
|---------|-------------|-------------------------------------|------------------------|----------------|
| 16.29   | 180.37 ug/l | 4006610                             | 1,4-Dichlorobenzene-d4 | 13.42          |
| Hit# of | 5           | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |             | Naphthalene, 2-methyl-              | 142 C11H10             | 000091-57-6 96 |
| 2       |             | Naphthalene, 1-methyl-              | 142 C11H10             | 000090-12-0 96 |
| 3       |             | 1,4-Methanonaphthalene, 1,4-dihv... | 142 C11H10             | 004453-90-1 90 |
| 4       |             | Benzocycloheptatriene               | 142 C11H10             | 000264-09-5 90 |
| 5       |             | 1H-Indene, 1-ethylidene-            | 142 C11H10             | 002471-83-2 43 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY112719\  
Data File : VY000825.D  
Acq On : 27 Nov 2019 17:31  
Operator : SY/MD  
Sample : K5676-35  
Misc : 7.26G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-01-112719

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.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 |
| Undecane             | 13.75 | 38.8    | ug/l  | 861105   | 4                     | 13.42 | 1110670 | 50.0 |
| Dodecane             | 14.61 | 49.3    | ug/l  | 1094200  | 4                     | 13.42 | 1110670 | 50.0 |
| 3-Phenylbut-1-ene    | 14.68 | 84.0    | ug/l  | 1864920  | 4                     | 13.42 | 1110670 | 50.0 |
| Naphthalene, 1,2,... | 14.83 | 49.7    | ug/l  | 1104650  | 4                     | 13.42 | 1110670 | 50.0 |
| Benzene, (1-methy... | 15.34 | 42.7    | ug/l  | 949160   | 4                     | 13.42 | 1110670 | 50.0 |
| Tridecane            | 15.43 | 51.5    | ug/l  | 1145150  | 4                     | 13.42 | 1110670 | 50.0 |
| Benzene, (1-methy... | 15.72 | 52.9    | ug/l  | 1174780  | 4                     | 13.42 | 1110670 | 50.0 |
| Naphthalene, 1,2,... | 16.03 | 37.6    | ug/l  | 834681   | 4                     | 13.42 | 1110670 | 50.0 |
| Naphthalene, 1-me... | 16.29 | 180.4   | ug/l  | 4006610  | 4                     | 13.42 | 1110670 | 50.0 |