

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\  
 Data File : VW006235.D  
 Acq On : 19 Oct 2018 19:38  
 Operator : VA/AP  
 Sample : J5197-03  
 Misc : 6.95G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HD-02-101918

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\82W101518S.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         | 4.123       | 352           | 364         | 375          | rBV2     | 3793           | 12076         | 1.04%           | 0.066%        |
| 2         | 4.916       | 484           | 494         | 510          | rBV3     | 23727          | 80600         | 6.92%           | 0.439%        |
| 3         | 7.153       | 851           | 861         | 871          | rBV2     | 4756           | 14444         | 1.24%           | 0.079%        |
| 4         | 7.891       | 972           | 982         | 986          | rBV      | 135461         | 312372        | 26.81%          | 1.700%        |
| 5         | 7.952       | 986           | 992         | 1006         | rVB      | 266599         | 583832        | 50.10%          | 3.178%        |
| 6         | 8.311       | 1041          | 1051        | 1062         | rBV      | 121546         | 263103        | 22.58%          | 1.432%        |
| 7         | 8.848       | 1130          | 1139        | 1148         | rBV      | 354560         | 704758        | 60.48%          | 3.836%        |
| 8         | 10.329      | 1373          | 1382        | 1389         | rBV      | 464652         | 816499        | 70.06%          | 4.444%        |
| 9         | 10.390      | 1389          | 1392        | 1399         | rVB      | 13589          | 22452         | 1.93%           | 0.122%        |
| 10        | 11.634      | 1587          | 1596        | 1605         | rBV      | 420961         | 715678        | 61.41%          | 3.895%        |
| 11        | 11.841      | 1624          | 1630        | 1641         | rBV      | 16463          | 32160         | 2.76%           | 0.175%        |
| 12        | 12.170      | 1675          | 1684        | 1691         | rBV      | 19965          | 35729         | 3.07%           | 0.194%        |
| 13        | 12.622      | 1752          | 1758        | 1768         | rVB      | 299645         | 498569        | 42.78%          | 2.714%        |
| 14        | 12.811      | 1781          | 1789        | 1794         | rBV      | 20504          | 37078         | 3.18%           | 0.202%        |
| 15        | 12.871      | 1794          | 1799        | 1803         | rBV      | 92771          | 157322        | 13.50%          | 0.856%        |
| 16        | 12.908      | 1803          | 1805        | 1807         | rVV      | 42716          | 52243         | 4.48%           | 0.284%        |
| 17        | 12.945      | 1807          | 1811        | 1817         | rVB2     | 87064          | 156542        | 13.43%          | 0.852%        |
| 18        | 13.048      | 1823          | 1828        | 1832         | rBV      | 12642          | 19125         | 1.64%           | 0.104%        |
| 19        | 13.109      | 1832          | 1838        | 1843         | rBV      | 76311          | 123494        | 10.60%          | 0.672%        |
| 20        | 13.170      | 1843          | 1848        | 1853         | rBV5     | 13369          | 21578         | 1.85%           | 0.117%        |
| 21        | 13.256      | 1853          | 1862        | 1868         | rBV      | 274301         | 438814        | 37.66%          | 2.388%        |
| 22        | 13.390      | 1874          | 1884        | 1888         | rBV2     | 24258          | 46361         | 3.98%           | 0.252%        |
| 23        | 13.451      | 1888          | 1894        | 1898         | rBV2     | 52902          | 87579         | 7.52%           | 0.477%        |
| 24        | 13.499      | 1898          | 1902        | 1907         | rVV3     | 25230          | 49417         | 4.24%           | 0.269%        |
| 25        | 13.566      | 1907          | 1913        | 1922         | rVV2     | 337843         | 779770        | 66.91%          | 4.244%        |
| 26        | 13.634      | 1922          | 1924        | 1928         | rVB2     | 13373          | 14841         | 1.27%           | 0.081%        |
| 27        | 13.762      | 1940          | 1945        | 1948         | rBV2     | 207832         | 302054        | 25.92%          | 1.644%        |
| 28        | 13.798      | 1948          | 1951        | 1960         | rVB3     | 163151         | 357801        | 30.70%          | 1.947%        |
| 29        | 13.884      | 1960          | 1965        | 1970         | rBV2     | 193869         | 290736        | 24.95%          | 1.582%        |
| 30        | 13.957      | 1970          | 1977        | 1983         | rBV      | 86355          | 137103        | 11.77%          | 0.746%        |
| 31        | 14.018      | 1983          | 1987        | 1989         | rBV      | 107769         | 151559        | 13.01%          | 0.825%        |
| 32        | 14.048      | 1989          | 1992        | 1996         | rVB      | 118507         | 162603        | 13.95%          | 0.885%        |
| 33        | 14.103      | 1996          | 2001        | 2006         | rVB      | 171200         | 255816        | 21.95%          | 1.392%        |
| 34        | 14.164      | 2006          | 2011        | 2014         | rBV2     | 34672          | 52660         | 4.52%           | 0.287%        |

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 Sample : J5197-03  
 Misc : 6.95G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HD-02-101918

## 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\82W101518S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 35 | 14.213 | 2014 | 2019 | 2024 | rVB2 | 216815 | 345528  | 29.65%  | 1.881% |
| 36 | 14.268 | 2024 | 2028 | 2030 | rBV4 | 21379  | 34021   | 2.92%   | 0.185% |
| 37 | 14.347 | 2035 | 2041 | 2045 | rBV2 | 83678  | 161157  | 13.83%  | 0.877% |
| 38 | 14.396 | 2045 | 2049 | 2052 | rBV4 | 62276  | 96428   | 8.27%   | 0.525% |
| 39 | 14.432 | 2052 | 2055 | 2058 | rBV3 | 55444  | 66880   | 5.74%   | 0.364% |
| 40 | 14.463 | 2058 | 2060 | 2064 | rVB  | 143021 | 181528  | 15.58%  | 0.988% |
| 41 | 14.511 | 2064 | 2068 | 2071 | rBV  | 100629 | 126171  | 10.83%  | 0.687% |
| 42 | 14.548 | 2071 | 2074 | 2081 | rVB3 | 70531  | 115625  | 9.92%   | 0.629% |
| 43 | 14.615 | 2081 | 2085 | 2086 | rBV4 | 34251  | 43317   | 3.72%   | 0.236% |
| 44 | 14.652 | 2087 | 2091 | 2094 | rVB2 | 93397  | 128561  | 11.03%  | 0.700% |
| 45 | 14.700 | 2094 | 2099 | 2101 | rBV  | 259483 | 416691  | 35.76%  | 2.268% |
| 46 | 14.731 | 2101 | 2104 | 2110 | rVB4 | 323881 | 537058  | 46.09%  | 2.923% |
| 47 | 14.816 | 2110 | 2118 | 2123 | rBV4 | 507458 | 1165346 | 100.00% | 6.343% |
| 48 | 14.969 | 2137 | 2143 | 2149 | rVB  | 392061 | 633651  | 54.37%  | 3.449% |
| 49 | 15.036 | 2150 | 2154 | 2156 | rBV2 | 57896  | 86845   | 7.45%   | 0.473% |
| 50 | 15.072 | 2156 | 2160 | 2164 | rVV2 | 175378 | 330281  | 28.34%  | 1.798% |
| 51 | 15.115 | 2164 | 2167 | 2171 | rVV  | 87734  | 137491  | 11.80%  | 0.748% |
| 52 | 15.188 | 2172 | 2179 | 2187 | rVB3 | 187153 | 449837  | 38.60%  | 2.448% |
| 53 | 15.261 | 2187 | 2191 | 2198 | rVB7 | 68321  | 150929  | 12.95%  | 0.821% |
| 54 | 15.341 | 2198 | 2204 | 2207 | rBV4 | 120274 | 230596  | 19.79%  | 1.255% |
| 55 | 15.432 | 2214 | 2219 | 2223 | rBV  | 199190 | 332322  | 28.52%  | 1.809% |
| 56 | 15.487 | 2223 | 2228 | 2230 | rBV3 | 120383 | 203716  | 17.48%  | 1.109% |
| 57 | 15.566 | 2237 | 2241 | 2250 | rVB  | 342228 | 619706  | 53.18%  | 3.373% |
| 58 | 15.670 | 2250 | 2258 | 2264 | rBV3 | 203813 | 478445  | 41.06%  | 2.604% |
| 59 | 15.743 | 2266 | 2270 | 2275 | rVB  | 56249  | 93476   | 8.02%   | 0.509% |
| 60 | 15.840 | 2279 | 2286 | 2287 | rVV3 | 115614 | 234252  | 20.10%  | 1.275% |
| 61 | 15.877 | 2287 | 2292 | 2300 | rVB  | 437671 | 838008  | 71.91%  | 4.561% |
| 62 | 15.968 | 2303 | 2307 | 2311 | rBV5 | 31464  | 54128   | 4.64%   | 0.295% |
| 63 | 16.042 | 2312 | 2319 | 2325 | rVV4 | 100589 | 262992  | 22.57%  | 1.431% |
| 64 | 16.188 | 2334 | 2343 | 2349 | rBV  | 222801 | 576590  | 49.48%  | 3.138% |
| 65 | 16.304 | 2358 | 2362 | 2366 | rBV  | 44550  | 66472   | 5.70%   | 0.362% |
| 66 | 16.389 | 2369 | 2376 | 2382 | rVV3 | 214582 | 479057  | 41.11%  | 2.607% |
| 67 | 16.456 | 2382 | 2387 | 2391 | rVV3 | 119561 | 250482  | 21.49%  | 1.363% |
| 68 | 16.511 | 2391 | 2396 | 2402 | rVB  | 222843 | 394139  | 33.82%  | 2.145% |
| 69 | 16.657 | 2413 | 2420 | 2427 | rBV7 | 77274  | 264335  | 22.68%  | 1.439% |

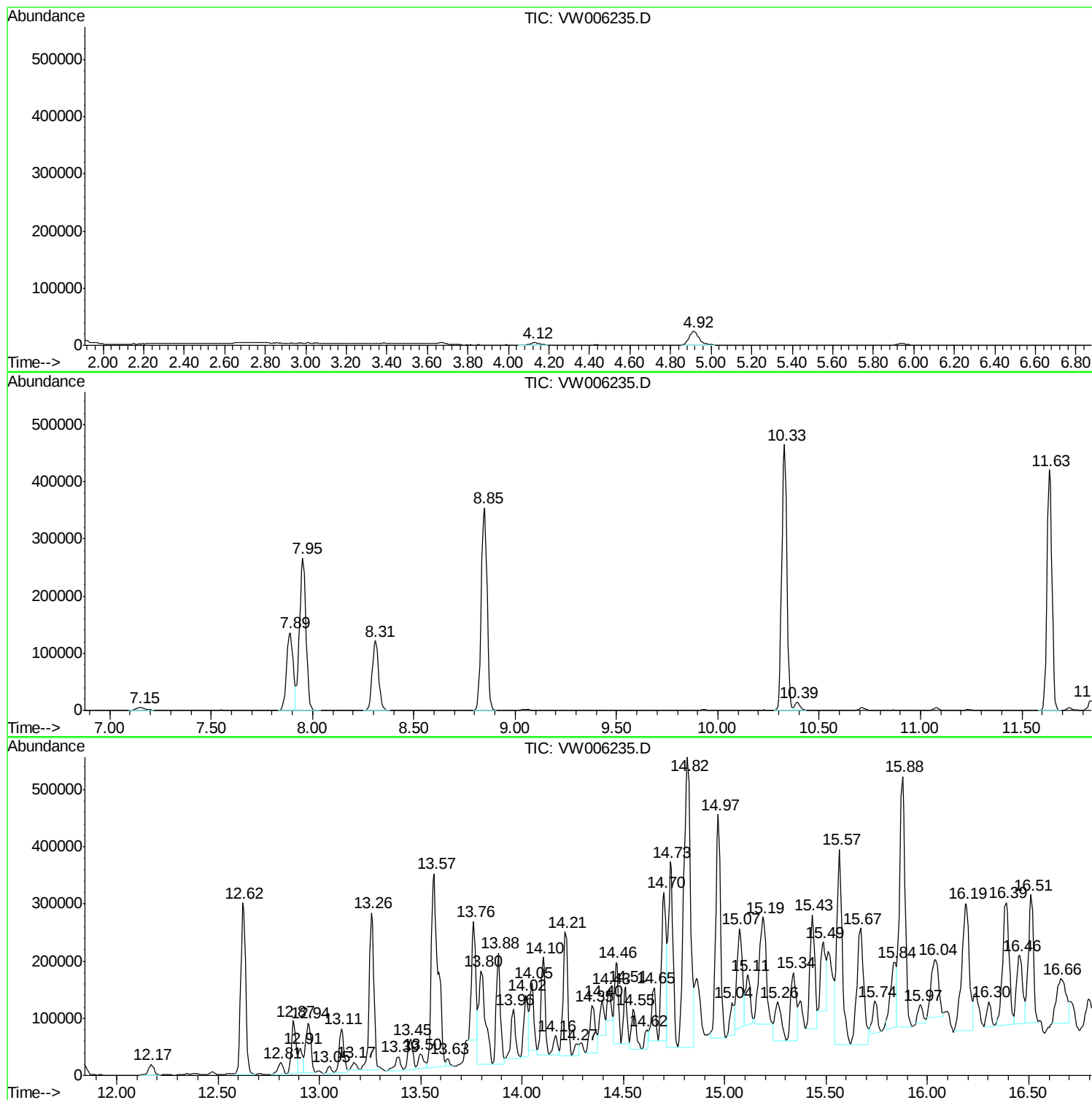
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ALS Vial : 15 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :  
HD-02-101918

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101918\  
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ClientSampleId :  
HD-02-101918

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

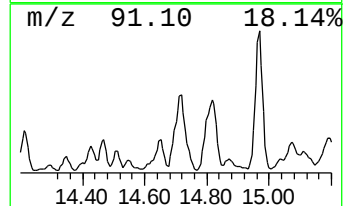
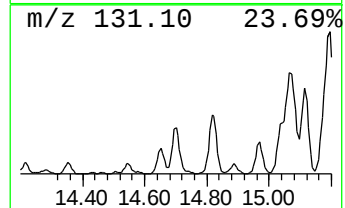
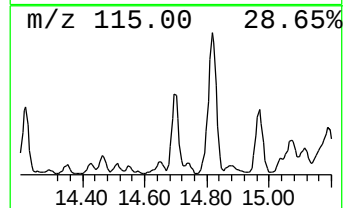
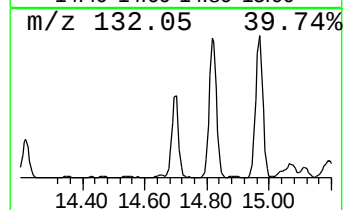
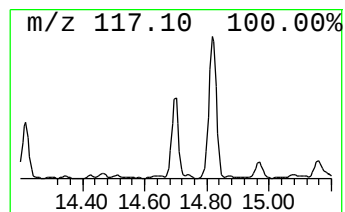
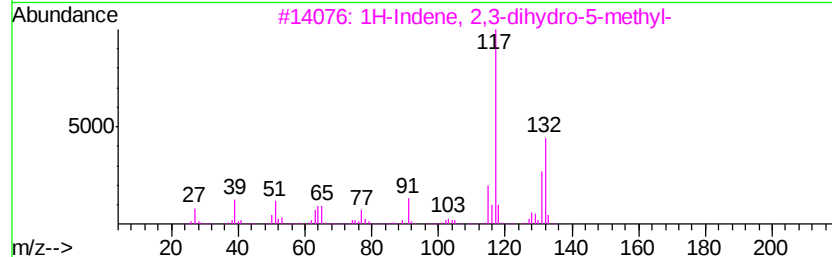
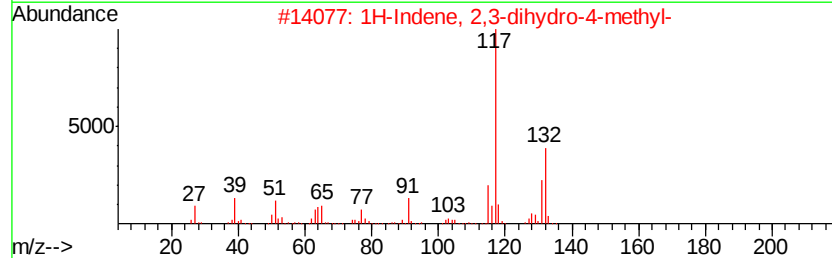
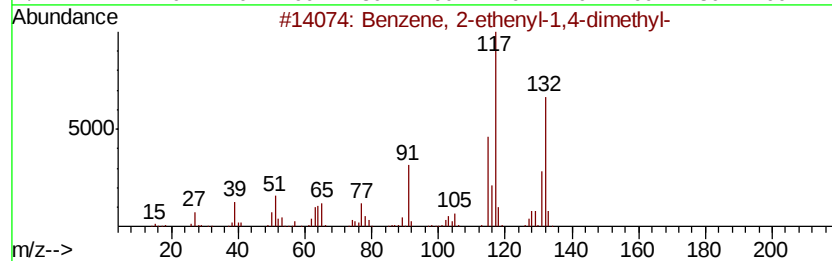
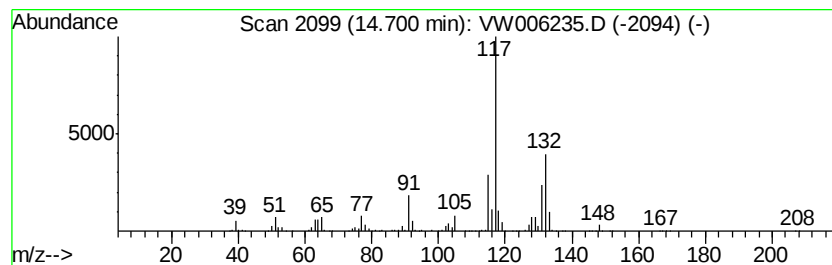
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.70 | 26.72 ug/l | 416691 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 91   |
| 2    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 87   |
| 3    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 87   |
| 4    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 86   |
| 5    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 83   |



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ClientSampleId :  
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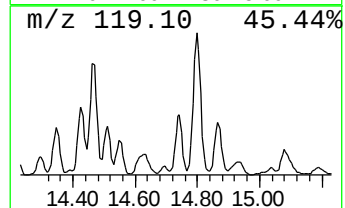
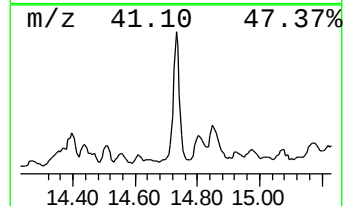
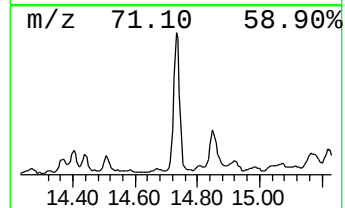
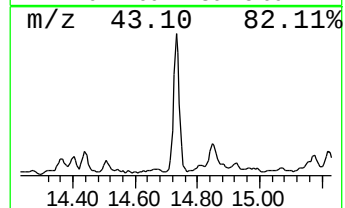
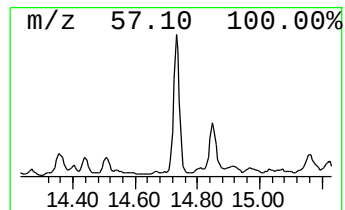
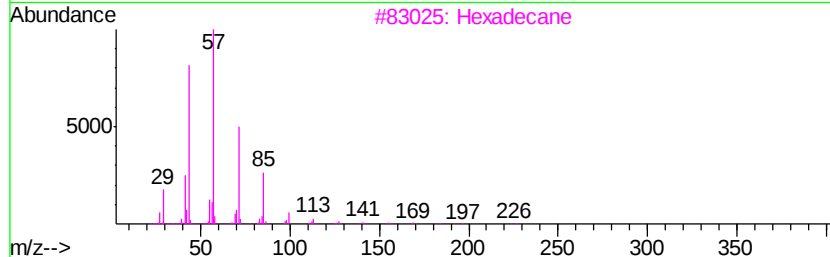
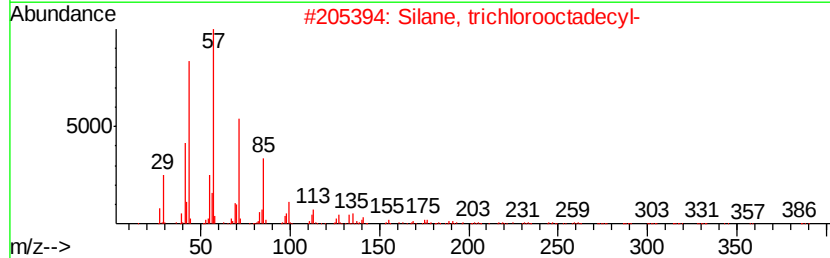
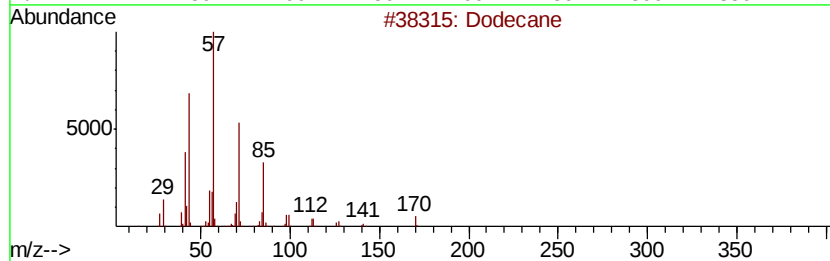
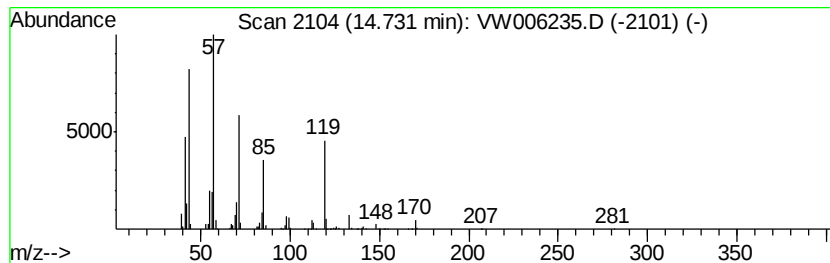
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.73 | 34.44 ug/l | 537058 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                | MW  | MolForm     | CAS#        | Qual |
|------|----|-----------------------------|-----|-------------|-------------|------|
| 1    | 5  | Dodecane                    | 170 | C12H26      | 000112-40-3 | 93   |
| 2    |    | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 50   |
| 3    |    | Hexadecane                  | 226 | C16H34      | 000544-76-3 | 49   |
| 4    |    | Tetradecane                 | 198 | C14H30      | 000629-59-4 | 47   |
| 5    |    | Tridecane                   | 184 | C13H28      | 000629-50-5 | 47   |



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ClientSampleId :  
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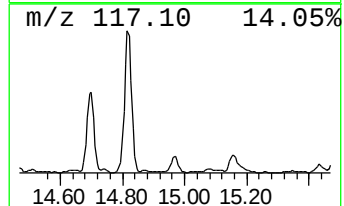
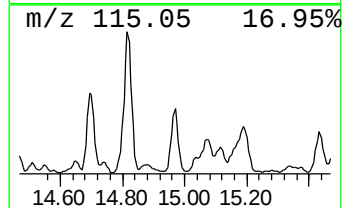
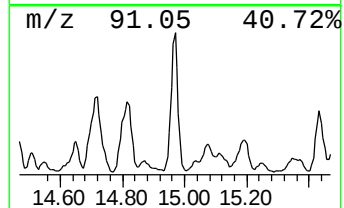
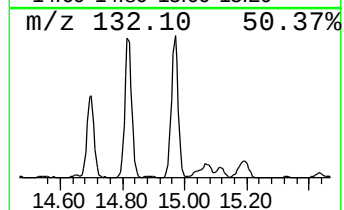
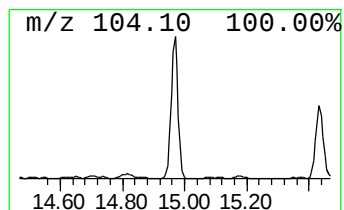
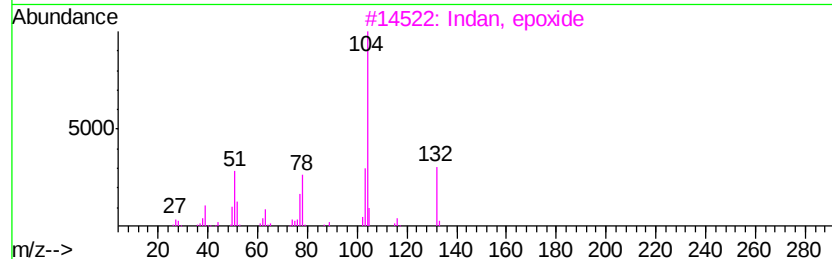
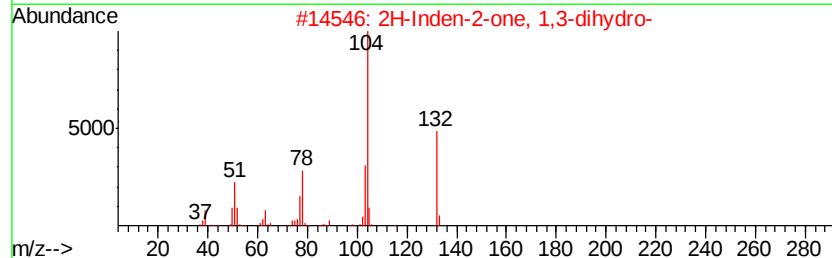
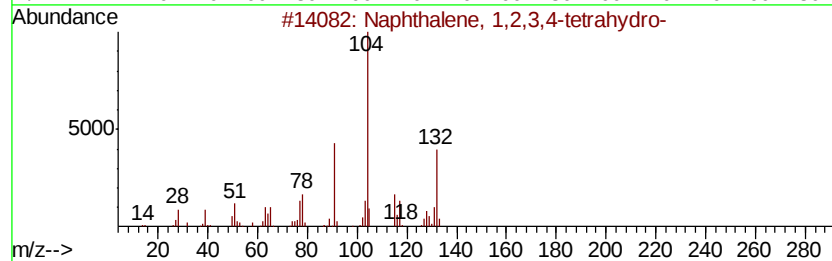
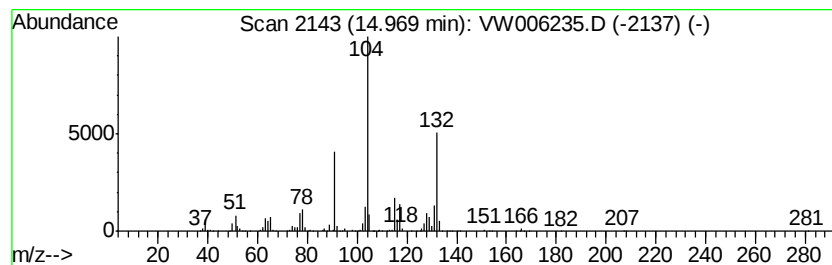
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.97 | 40.63 ug/l | 633651 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12  | 000119-64-2 | 96   |
| 2    |    | 2H-Inden-2-one, 1,3-dihydro-     | 132 | C9H8O   | 000615-13-4 | 58   |
| 3    |    | Indan, epoxide                   | 132 | C9H8O   | 000768-22-9 | 53   |
| 4    |    | Benzene, 3-cyclohexen-1-yl-      | 158 | C12H14  | 004994-16-5 | 47   |
| 5    |    | Styrene                          | 104 | C8H8    | 000100-42-5 | 38   |



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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :  
HD-02-101918

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

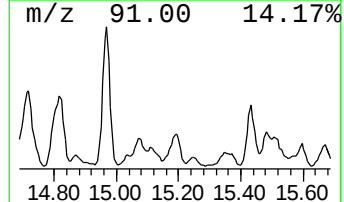
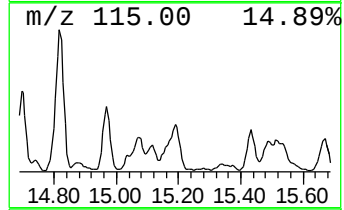
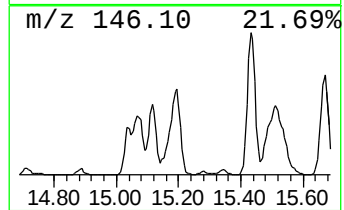
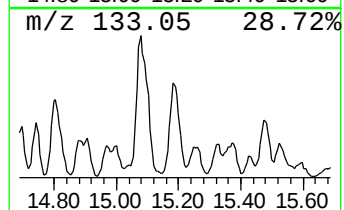
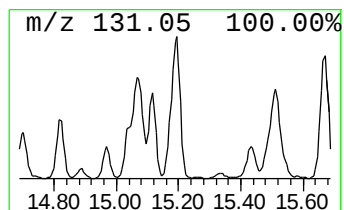
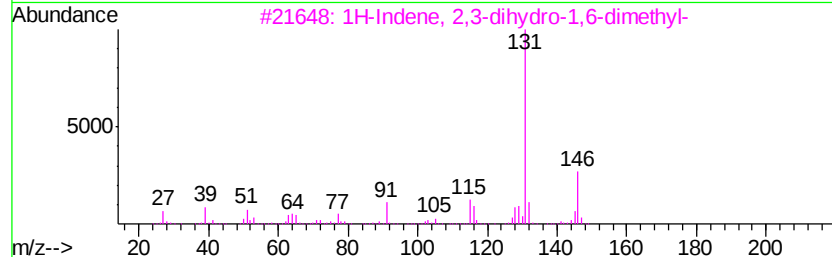
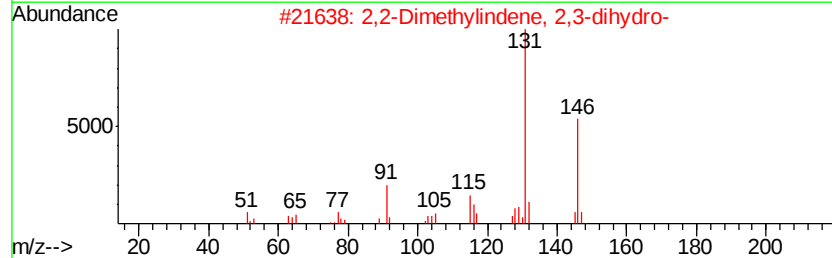
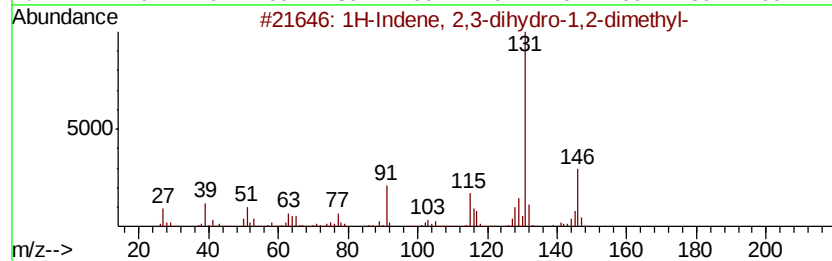
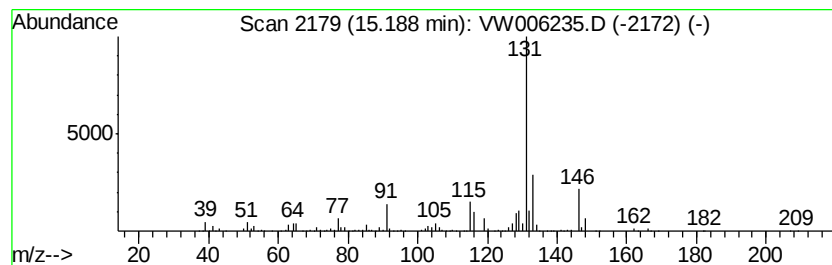
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.19 | 28.84 ug/l | 449837 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 81   |
| 2    |    | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 81   |
| 3    |    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 81   |
| 4    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 81   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 81   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101918\  
Data File : VW006235.D  
Acq On : 19 Oct 2018 19:38  
Operator : VA/AP  
Sample : J5197-03  
Misc : 6.95G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
HD-02-101918

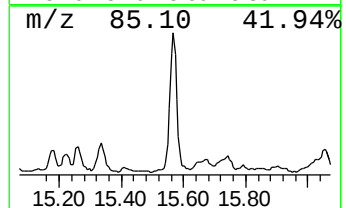
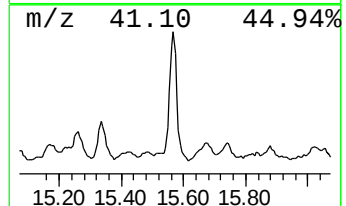
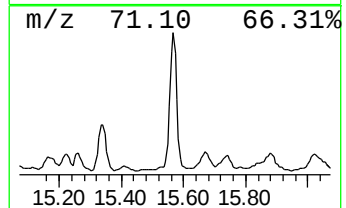
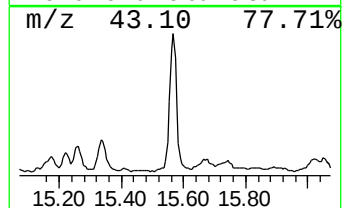
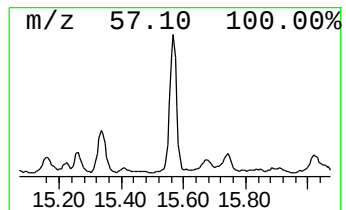
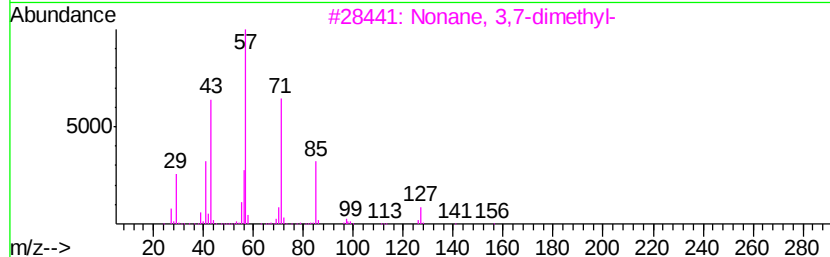
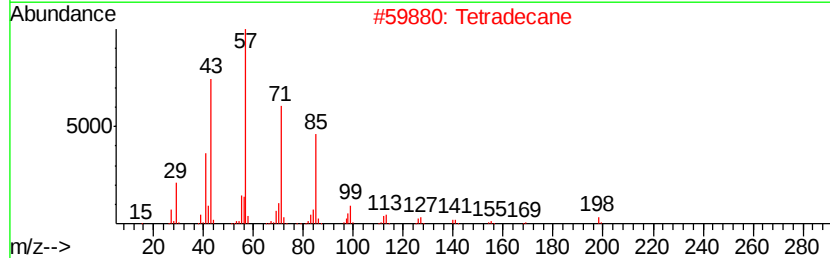
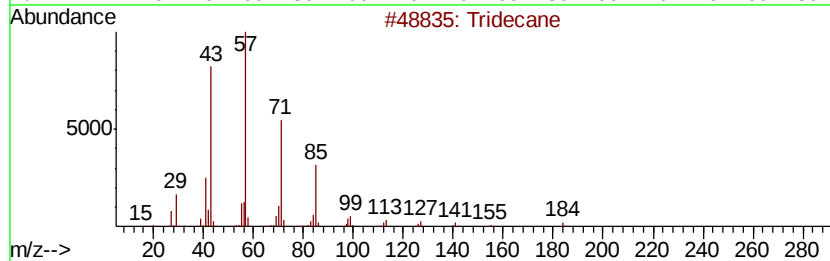
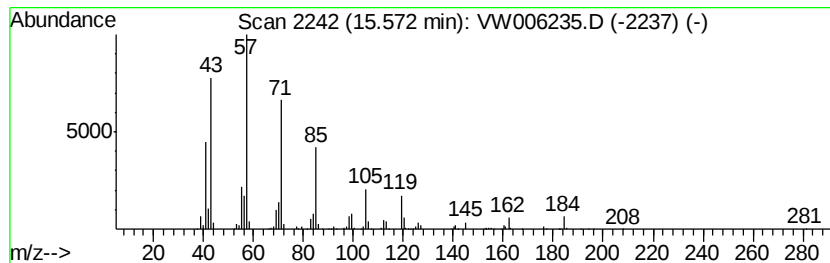
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Tridecane Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.57 | 39.74 ug/l | 619706 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane                | 184 | C13H28  | 000629-50-5 | 70   |
| 2    |    | Tetradecane              | 198 | C14H30  | 000629-59-4 | 52   |
| 3    |    | Nonane, 3,7-dimethyl-    | 156 | C11H24  | 017302-32-8 | 52   |
| 4    |    | Dodecane                 | 170 | C12H26  | 000112-40-3 | 52   |
| 5    |    | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101918\  
Data File : VW006235.D  
Acq On : 19 Oct 2018 19:38  
Operator : VA/AP  
Sample : J5197-03  
Misc : 6.95G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
HD-02-101918

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

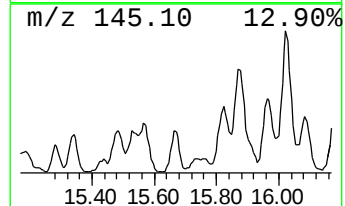
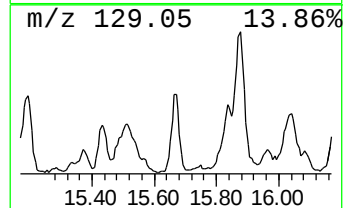
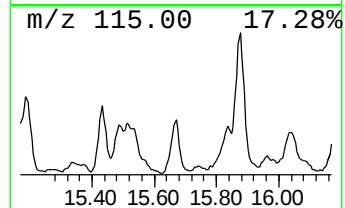
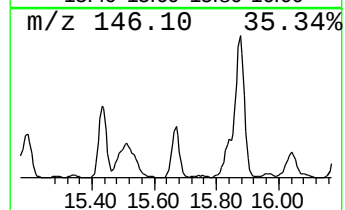
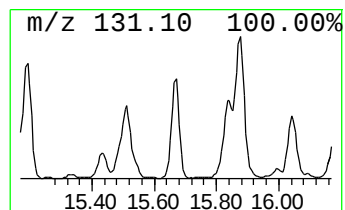
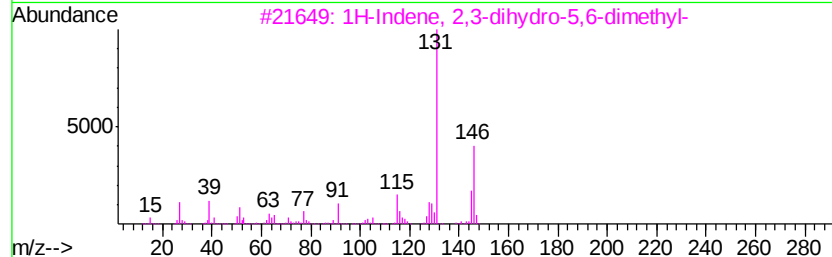
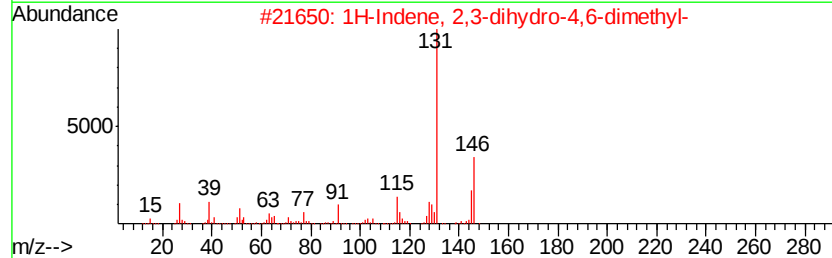
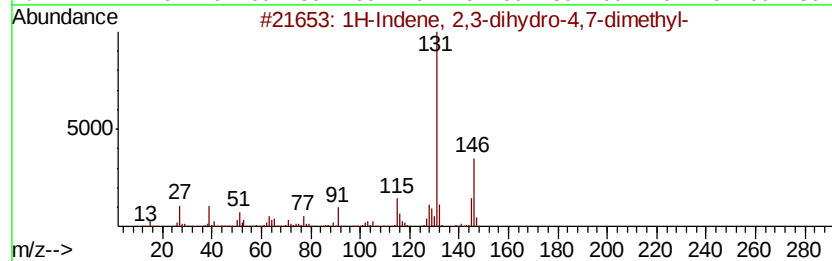
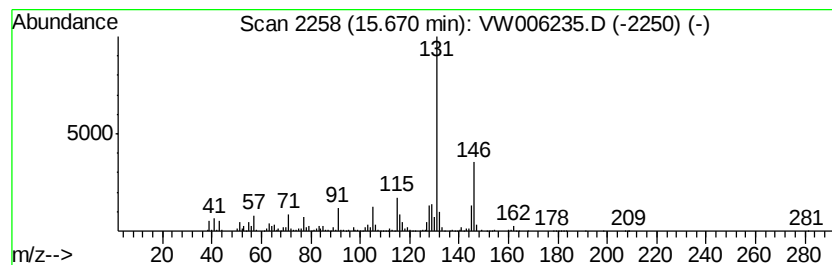
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.67 | 30.68 ug/l | 478445 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 95   |
| 2    |    | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14  | 001685-82-1 | 94   |
| 3    |    | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 94   |
| 4    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 94   |
| 5    |    | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101918\  
Data File : VW006235.D  
Acq On : 19 Oct 2018 19:38  
Operator : VA/AP  
Sample : J5197-03  
Misc : 6.95G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

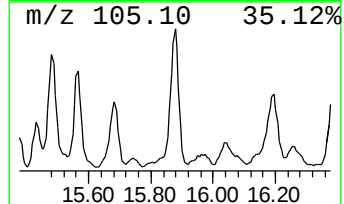
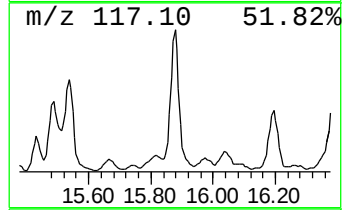
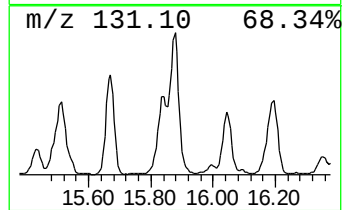
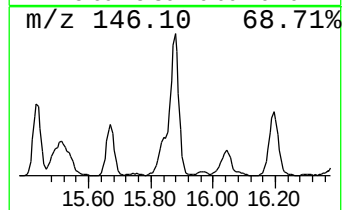
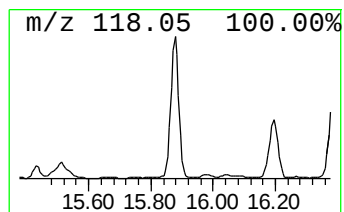
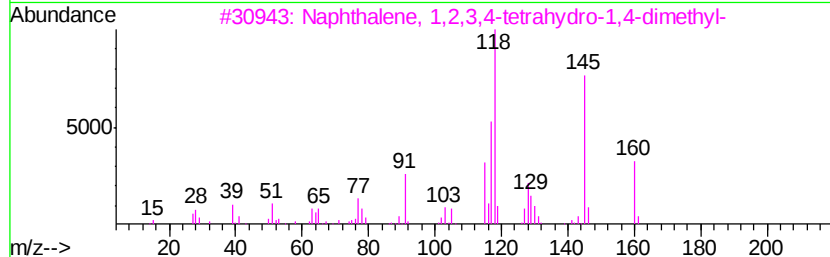
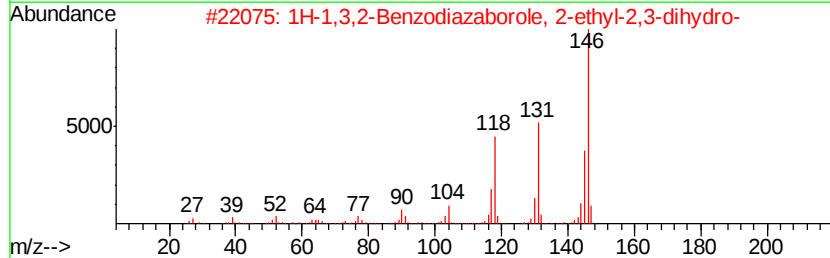
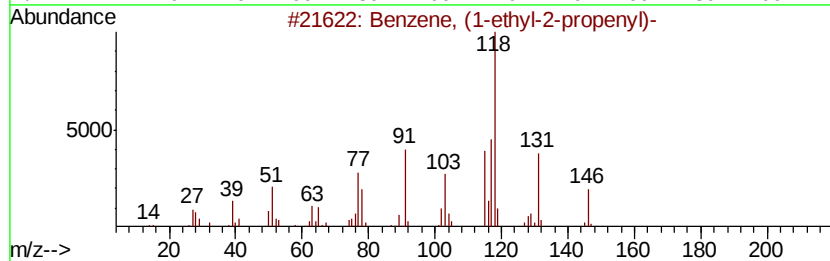
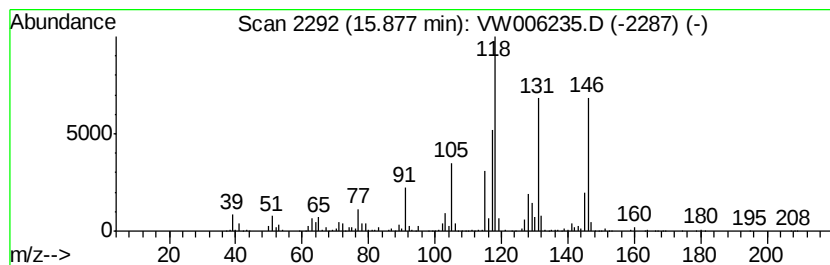
Instrument :  
MSVOA\_W  
ClientSampleId :  
HD-02-101918

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.88   | 53.73 ug/l | 838008                              | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, (1-ethyl-2-propenyl)-      | 146 C11H14             | 019947-22-9 72 |
| 2       |            | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 C8H11BN2           | 074663-81-3 55 |
| 3       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 160 C12H16             | 004175-54-6 43 |
| 4       |            | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 C11H14             | 000769-25-5 43 |
| 5       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001680-51-9 43 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101918\  
Data File : VW006235.D  
Acq On : 19 Oct 2018 19:38  
Operator : VA/AP  
Sample : J5197-03  
Misc : 6.95G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

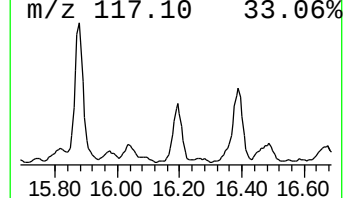
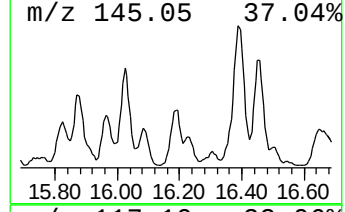
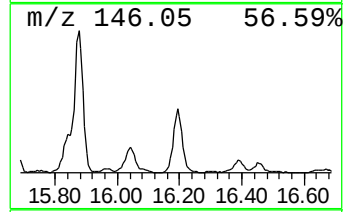
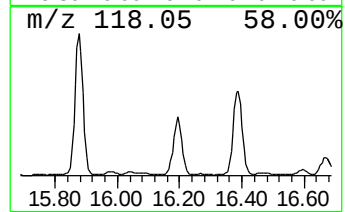
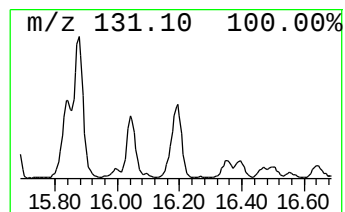
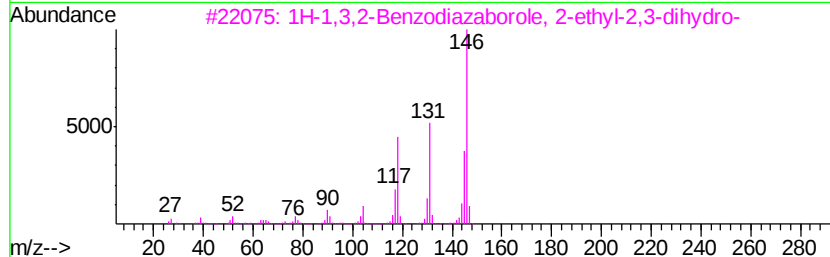
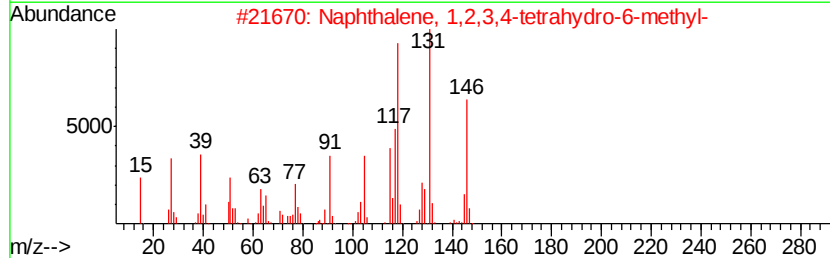
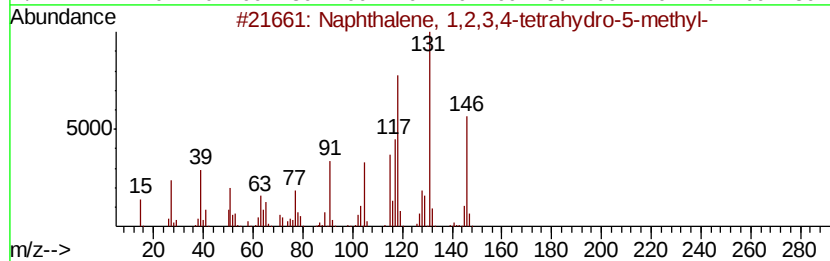
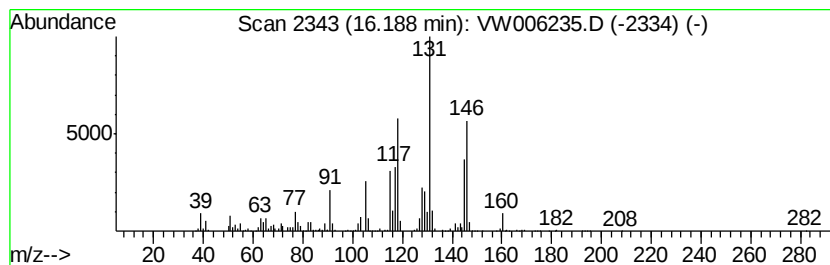
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MSVOA\_W  
ClientSampleId :  
HD-02-101918

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.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 5

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 16.19   | 36.97 ug/l | 576590                              | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 002809-64-5 90 |
| 2       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001680-51-9 83 |
| 3       |            | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 C8H11BN2           | 074663-81-3 81 |
| 4       |            | 1H-Benzimidazole, 5,6-dimethyl-     | 146 C9H10N2            | 000582-60-5 58 |
| 5       |            | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 C11H14             | 006682-71-9 53 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101918\  
Data File : VW006235.D  
Acq On : 19 Oct 2018 19:38  
Operator : VA/AP  
Sample : J5197-03  
Misc : 6.95G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

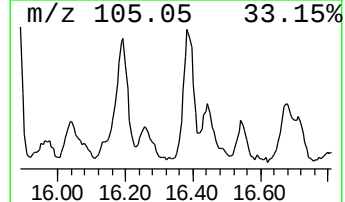
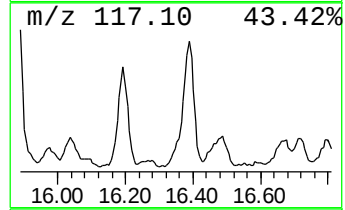
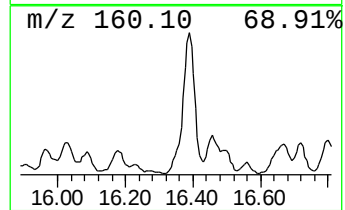
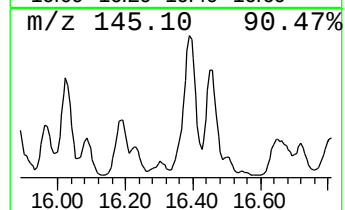
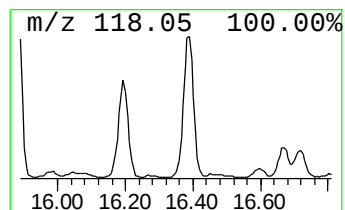
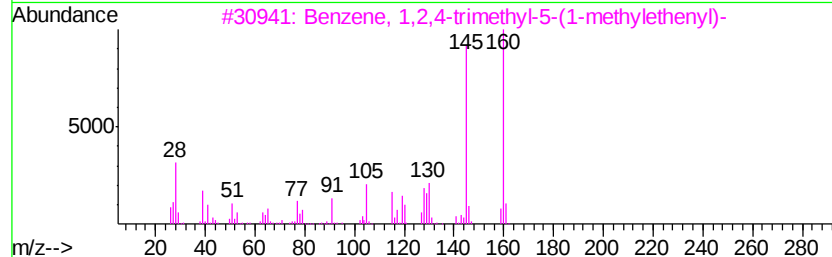
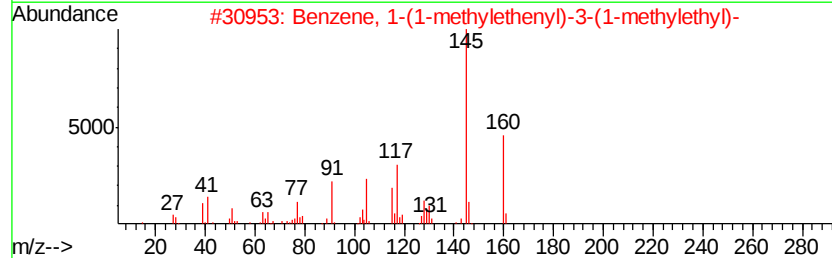
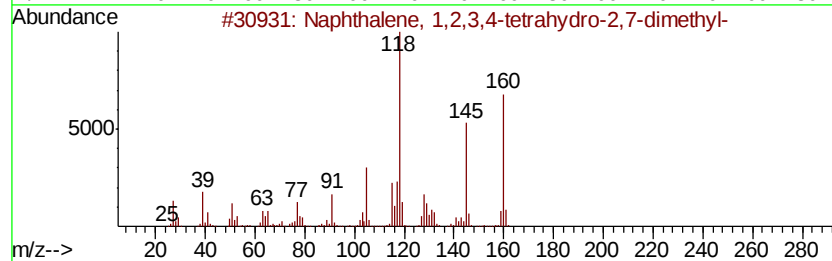
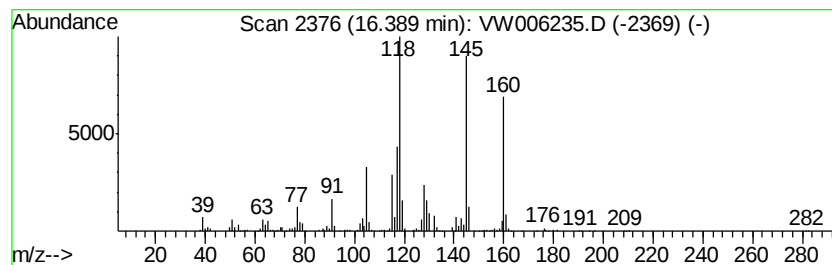
Instrument :  
MSVOA\_W  
ClientSampleId :  
HD-02-101918

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 16.39   | 30.72 ug/l | 479057                              | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 160 C12H16             | 013065-07-1 89 |
| 2       |            | Benzene, 1-(1-methylethenyl)-3-(... | 160 C12H16             | 001129-29-9 70 |
| 3       |            | Benzene, 1,2,4-trimethyl-5-(1-me... | 160 C12H16             | 054340-84-0 64 |
| 4       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 160 C12H16             | 007524-63-2 60 |
| 5       |            | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 C12H16             | 014679-13-1 55 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW101918\  
Data File : VW006235.D  
Acq On : 19 Oct 2018 19:38  
Operator : VA/AP  
Sample : J5197-03  
Misc : 6.95G/5ML/MSVOA\_W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
HD-02-101918

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.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 |
| Benzene, 2-etheny... | 14.70 | 26.7    | ug/l  | 416691   | 4                     | 13.57 | 779770 | 50.0 |
| Dodecane             | 14.73 | 34.4    | ug/l  | 537058   | 4                     | 13.57 | 779770 | 50.0 |
| Naphthalene, 1,2,... | 14.97 | 40.6    | ug/l  | 633651   | 4                     | 13.57 | 779770 | 50.0 |
| 1H-Indene, 2,3-di... | 15.19 | 28.8    | ug/l  | 449837   | 4                     | 13.57 | 779770 | 50.0 |
| Tridecane            | 15.57 | 39.7    | ug/l  | 619706   | 4                     | 13.57 | 779770 | 50.0 |
| 1H-Indene, 2,3-di... | 15.67 | 30.7    | ug/l  | 478445   | 4                     | 13.57 | 779770 | 50.0 |
| Benzene, (1-ethyl... | 15.88 | 53.7    | ug/l  | 838008   | 4                     | 13.57 | 779770 | 50.0 |
| Naphthalene, 1,2,... | 16.19 | 37.0    | ug/l  | 576590   | 4                     | 13.57 | 779770 | 50.0 |
| Naphthalene, 1,2,... | 16.39 | 30.7    | ug/l  | 479057   | 4                     | 13.57 | 779770 | 50.0 |