

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
 Data File : VD069030.D  
 Acq On : 29 Apr 2021 20:48  
 Operator : VA/SY  
 Sample : M2225-01  
 Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HD-02-042921

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\_D\Method\82D040721S.M  
 Title : SW846 8260

Signal : TIC: VD069030.D\data.ms

| 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         | 4.962       | 509           | 517         | 528          | rBV5     | 11353          | 34739         | 1.56%           | 0.114%        |
| 2         | 7.914       | 1008          | 1019        | 1024         | rBV      | 205927         | 470754        | 21.15%          | 1.543%        |
| 3         | 7.979       | 1024          | 1030        | 1041         | rVB      | 343408         | 753270        | 33.84%          | 2.469%        |
| 4         | 8.332       | 1074          | 1090        | 1101         | rBV2     | 147130         | 325898        | 14.64%          | 1.068%        |
| 5         | 8.867       | 1172          | 1181        | 1190         | rBV      | 473846         | 965003        | 43.35%          | 3.163%        |
| 6         | 10.338      | 1423          | 1431        | 1447         | rBV      | 818880         | 1462531       | 65.70%          | 4.793%        |
| 7         | 11.644      | 1644          | 1653        | 1664         | rBV      | 913907         | 1563535       | 70.24%          | 5.124%        |
| 8         | 11.849      | 1679          | 1688        | 1693         | rBV5     | 11058          | 23548         | 1.06%           | 0.077%        |
| 9         | 12.167      | 1732          | 1742        | 1752         | rBV7     | 11168          | 40593         | 1.82%           | 0.133%        |
| 10        | 12.626      | 1813          | 1820        | 1832         | rVB      | 1194697        | 2008876       | 90.25%          | 6.583%        |
| 11        | 12.879      | 1856          | 1863        | 1866         | rBV3     | 43060          | 85764         | 3.85%           | 0.281%        |
| 12        | 12.943      | 1866          | 1874        | 1881         | rVV2     | 188642         | 361175        | 16.23%          | 1.184%        |
| 13        | 13.002      | 1881          | 1884        | 1889         | rVB5     | 24152          | 36102         | 1.62%           | 0.118%        |
| 14        | 13.120      | 1896          | 1904        | 1910         | rBV6     | 28381          | 98823         | 4.44%           | 0.324%        |
| 15        | 13.185      | 1910          | 1915        | 1921         | rVB5     | 57468          | 94608         | 4.25%           | 0.310%        |
| 16        | 13.267      | 1921          | 1929        | 1933         | rBV2     | 60825          | 112723        | 5.06%           | 0.369%        |
| 17        | 13.391      | 1948          | 1950        | 1954         | rVB4     | 23270          | 23928         | 1.07%           | 0.078%        |
| 18        | 13.455      | 1954          | 1961        | 1965         | rBV5     | 94112          | 191057        | 8.58%           | 0.626%        |
| 19        | 13.502      | 1965          | 1969        | 1972         | rBV3     | 61175          | 72887         | 3.27%           | 0.239%        |
| 20        | 13.567      | 1972          | 1980        | 1989         | rVB      | 1149588        | 2012536       | 90.41%          | 6.595%        |
| 21        | 13.643      | 1989          | 1993        | 1997         | rVB2     | 79620          | 110232        | 4.95%           | 0.361%        |
| 22        | 13.702      | 1998          | 2003        | 2005         | rBV4     | 31905          | 48000         | 2.16%           | 0.157%        |
| 23        | 13.767      | 2009          | 2014        | 2017         | rBV2     | 105290         | 155584        | 6.99%           | 0.510%        |
| 24        | 13.802      | 2017          | 2020        | 2024         | rVV3     | 66565          | 91800         | 4.12%           | 0.301%        |
| 25        | 13.891      | 2030          | 2035        | 2040         | rBV      | 788191         | 1190170       | 53.47%          | 3.900%        |
| 26        | 14.055      | 2056          | 2063        | 2067         | rBV4     | 120656         | 236432        | 10.62%          | 0.775%        |
| 27        | 14.108      | 2068          | 2072        | 2076         | rVB2     | 143670         | 222503        | 10.00%          | 0.729%        |
| 28        | 14.149      | 2076          | 2079        | 2085         | rVB3     | 93610          | 159967        | 7.19%           | 0.524%        |
| 29        | 14.220      | 2085          | 2091        | 2096         | rBV4     | 203753         | 339520        | 15.25%          | 1.113%        |
| 30        | 14.279      | 2096          | 2101        | 2108         | rBV6     | 95537          | 221199        | 9.94%           | 0.725%        |
| 31        | 14.402      | 2108          | 2122        | 2126         | rBV5     | 434294         | 1236443       | 55.55%          | 4.052%        |
| 32        | 14.449      | 2126          | 2130        | 2132         | rBV3     | 109717         | 129205        | 5.80%           | 0.423%        |
| 33        | 14.514      | 2137          | 2141        | 2145         | rBV3     | 250689         | 331293        | 14.88%          | 1.086%        |
| 34        | 14.561      | 2145          | 2149        | 2155         | rVB3     | 192155         | 300430        | 13.50%          | 0.985%        |
| 35        | 14.620      | 2155          | 2159        | 2162         | rBV3     | 104041         | 160028        | 7.19%           | 0.524%        |
| 36        | 14.661      | 2163          | 2166        | 2170         | rVB      | 91012          | 113706        | 5.11%           | 0.373%        |

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 ClientSampleId :  
 HD-02-042921

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

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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\_D\Method\82D040721S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 14.743 | 2170 | 2180 | 2186 | rBV2 | 1317541 | 2155064 | 96.82%  | 7.063% |
| 38 | 14.826 | 2187 | 2194 | 2197 | rBV5 | 481771  | 1099557 | 49.40%  | 3.603% |
| 39 | 14.861 | 2197 | 2200 | 2208 | rVB4 | 516059  | 1015191 | 45.61%  | 3.327% |
| 40 | 14.943 | 2211 | 2214 | 2216 | rBV3 | 63594   | 85470   | 3.84%   | 0.280% |
| 41 | 14.979 | 2216 | 2220 | 2226 | rVB2 | 222116  | 416832  | 18.73%  | 1.366% |
| 42 | 15.085 | 2234 | 2238 | 2242 | rBV4 | 209133  | 296318  | 13.31%  | 0.971% |
| 43 | 15.196 | 2251 | 2257 | 2263 | rBV7 | 239284  | 642043  | 28.84%  | 2.104% |
| 44 | 15.279 | 2267 | 2271 | 2279 | rVB7 | 320376  | 719405  | 32.32%  | 2.358% |
| 45 | 15.355 | 2279 | 2284 | 2292 | rBV  | 500739  | 1015621 | 45.63%  | 3.328% |
| 46 | 15.449 | 2297 | 2300 | 2305 | rVB  | 159793  | 210162  | 9.44%   | 0.689% |
| 47 | 15.502 | 2305 | 2309 | 2313 | rBV3 | 221426  | 401141  | 18.02%  | 1.315% |
| 48 | 15.590 | 2319 | 2324 | 2333 | rVB  | 1264563 | 2225908 | 100.00% | 7.295% |
| 49 | 15.696 | 2333 | 2342 | 2348 | rBV5 | 292064  | 886292  | 39.82%  | 2.905% |
| 50 | 15.767 | 2351 | 2354 | 2362 | rVB4 | 213888  | 378782  | 17.02%  | 1.241% |
| 51 | 15.902 | 2373 | 2377 | 2384 | rVB2 | 395702  | 722734  | 32.47%  | 2.369% |
| 52 | 16.214 | 2422 | 2430 | 2435 | rBV6 | 247888  | 670286  | 30.11%  | 2.197% |
| 53 | 16.332 | 2446 | 2450 | 2458 | rVB3 | 152014  | 283186  | 12.72%  | 0.928% |
| 54 | 16.420 | 2459 | 2465 | 2471 | rVV2 | 274197  | 550737  | 24.74%  | 1.805% |
| 55 | 16.543 | 2481 | 2486 | 2498 | rVB  | 460317  | 954221  | 42.87%  | 3.127% |

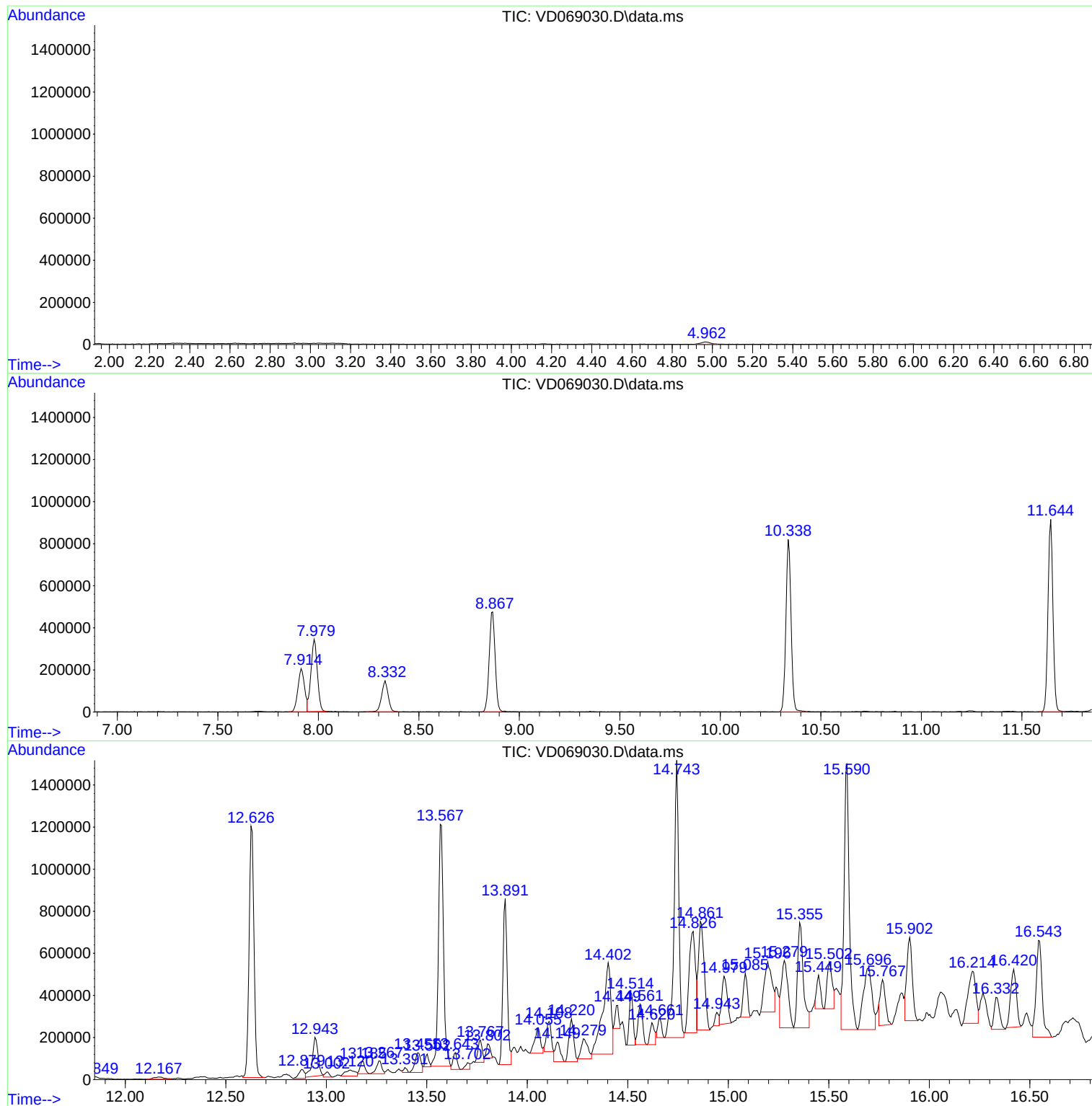
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
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Instrument :  
MSVOA\_D  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
Data File : VD069030.D  
Acq On : 29 Apr 2021 20:48  
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Sample : M2225-01  
Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

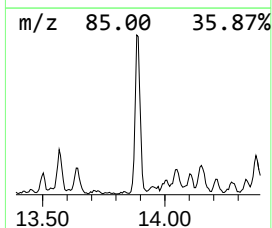
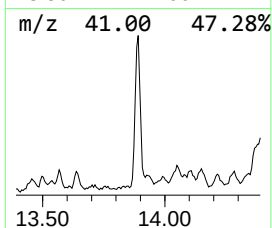
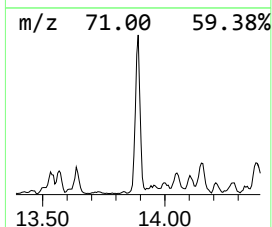
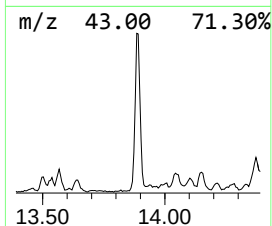
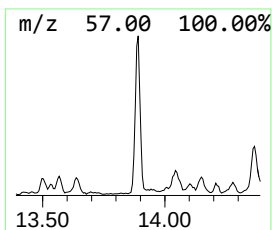
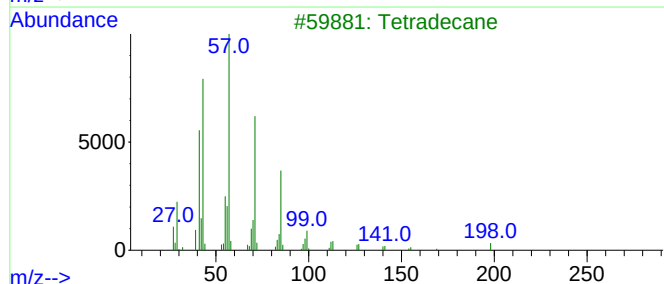
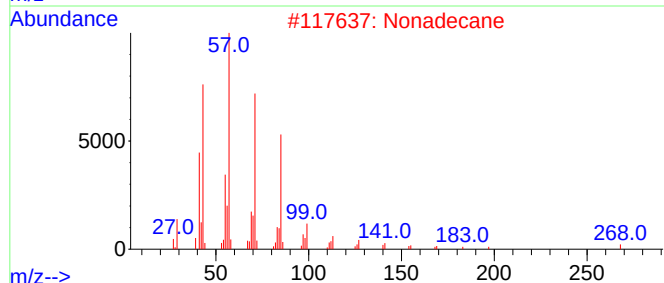
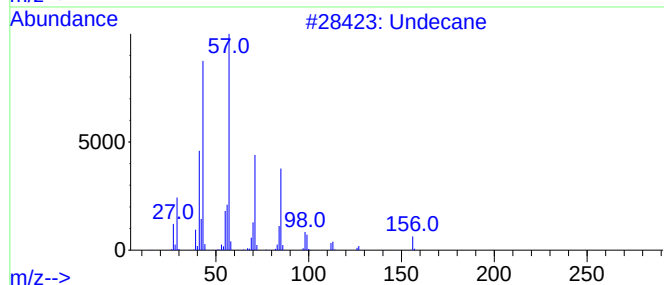
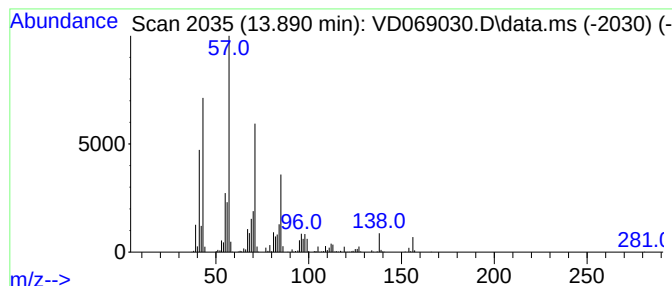
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Undecane Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.890 | 29.57 ug/l | 1190170 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of                      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Undecane                |   |              | 156 | C11H24  | 001120-21-4 | 93   |
| 2    | Nonadecane              |   |              | 268 | C19H40  | 000629-92-5 | 72   |
| 3    | Tetradecane             |   |              | 198 | C14H30  | 000629-59-4 | 64   |
| 4    | Ether, hexyl pentyl     |   |              | 172 | C11H24O | 032357-83-8 | 64   |
| 5    | Undecane, 2,7-dimethyl- |   |              | 184 | C13H28  | 017301-24-5 | 59   |



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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

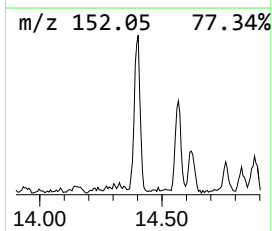
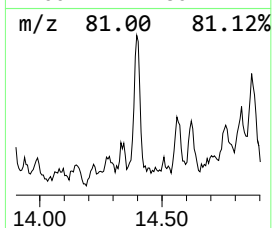
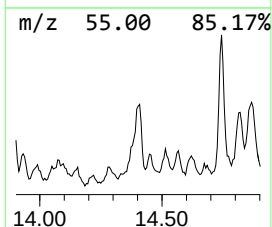
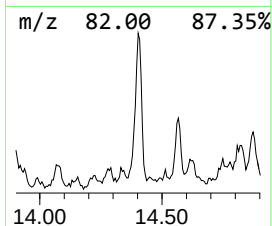
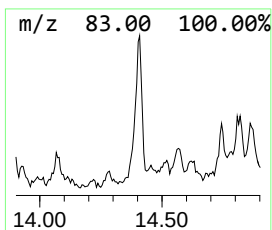
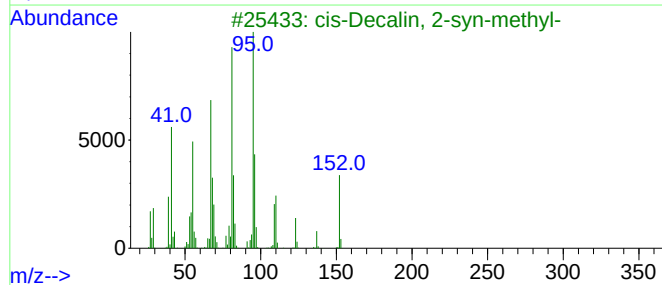
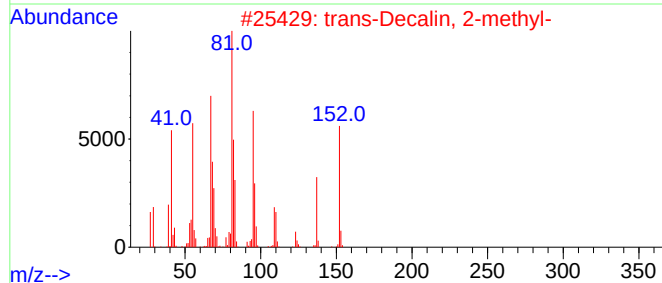
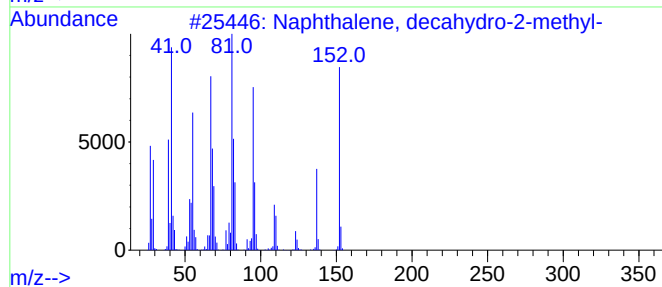
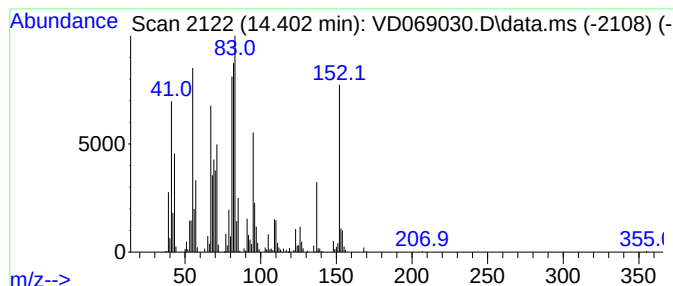
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.402 | 30.72 ug/l | 1236440 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl- | 152 | C11H20  | 002958-76-1  | 95   |
| 2    |    |   | trans-Decalin, 2-methyl-         | 152 | C11H20  | 1000152-47-3 | 95   |
| 3    |    |   | cis-Decalin, 2-syn-methyl-       | 152 | C11H20  | 1000155-85-6 | 89   |
| 4    |    |   | Pulegone                         | 152 | C10H16O | 000089-82-7  | 50   |
| 5    |    |   | Bicyclo(3.3.1)nonane-2,6-dione   | 152 | C9H12O2 | 016473-11-3  | 45   |



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Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

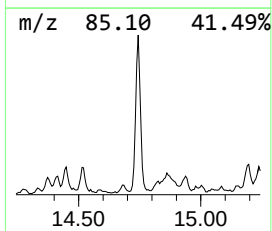
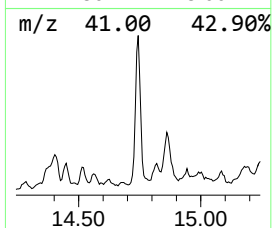
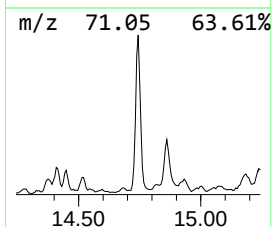
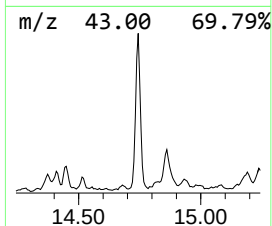
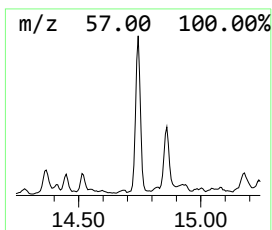
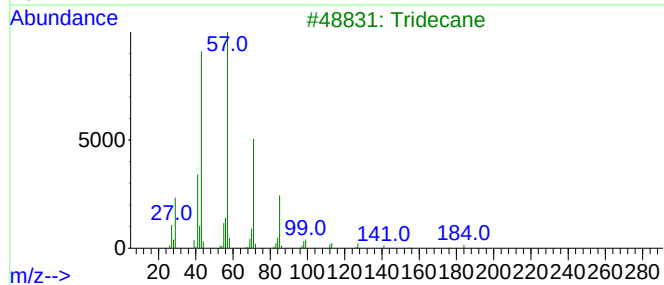
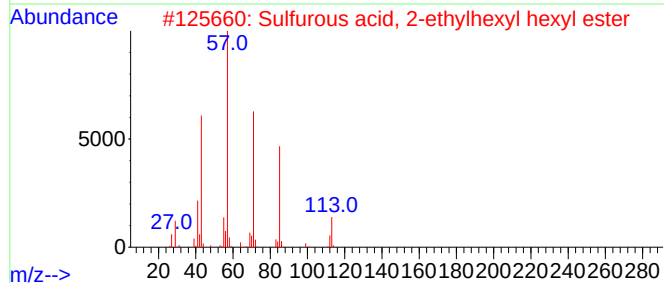
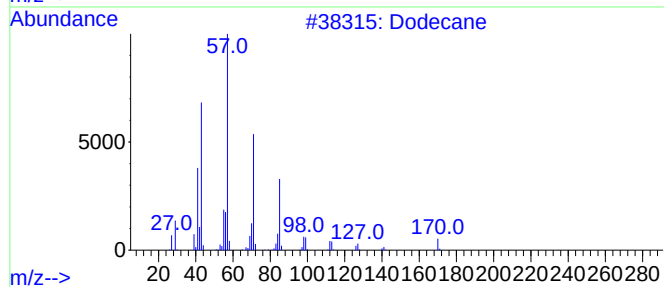
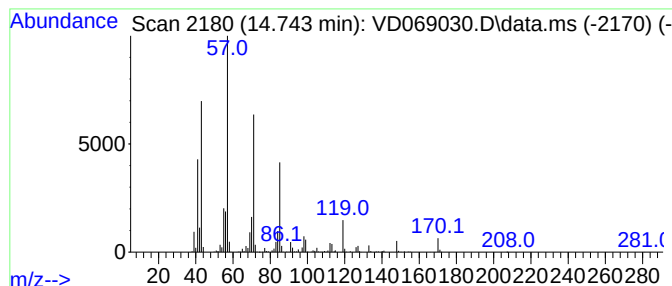
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Dodecane Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.743 | 53.54 ug/l | 2155060 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane                            | 170 | C12H26    | 000112-40-3  | 95   |
| 2    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 59   |
| 3    |    |   | Tridecane                           | 184 | C13H28    | 000629-50-5  | 53   |
| 4    |    |   | Sulfurous acid, hexyl pentyl ester  | 236 | C11H24O3S | 1000309-14-1 | 52   |
| 5    |    |   | Oxalic acid, isohexyl neopentyl ... | 244 | C13H24O4  | 1000309-73-0 | 50   |



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Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

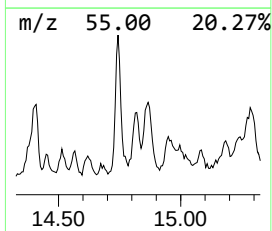
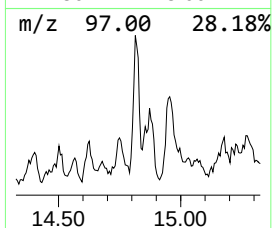
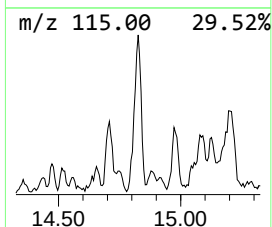
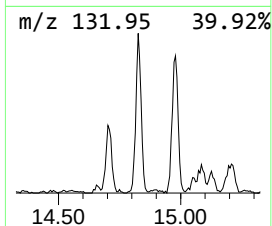
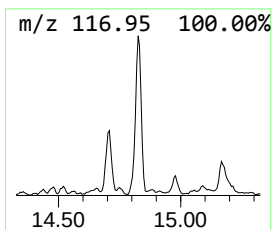
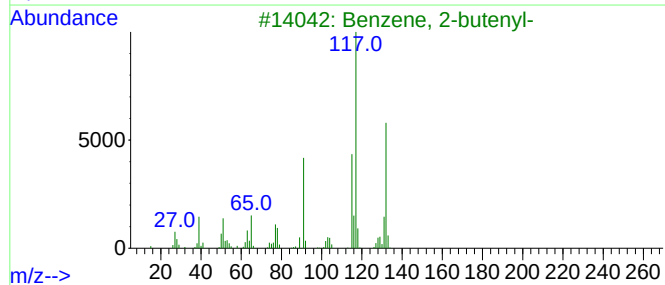
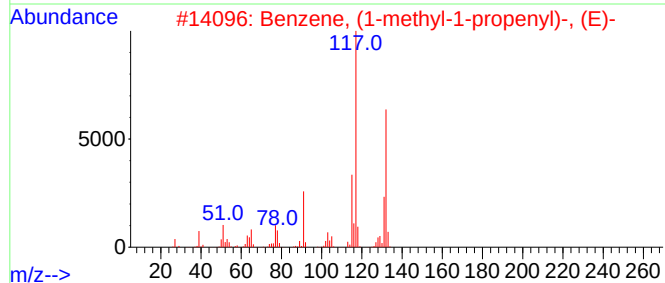
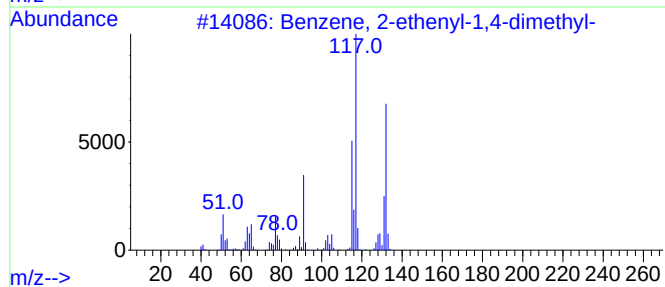
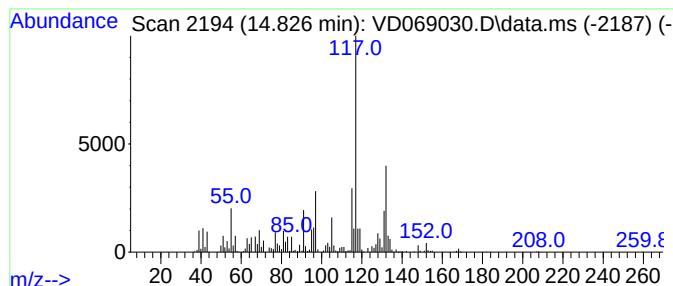
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.826 | 27.32 ug/l | 1099560 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 95   |
| 2    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 91   |
| 3    |    |   | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 86   |
| 4    |    |   | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 86   |
| 5    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
Data File : VD069030.D  
Acq On : 29 Apr 2021 20:48  
Operator : VA/SY  
Sample : M2225-01  
Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

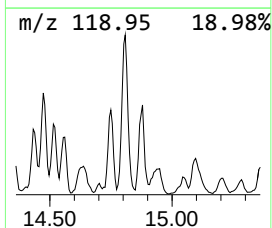
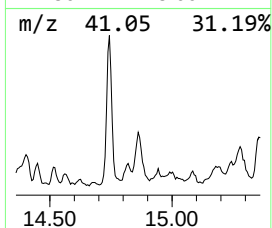
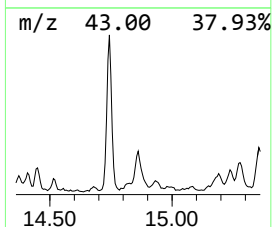
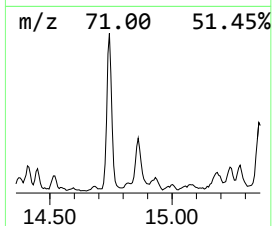
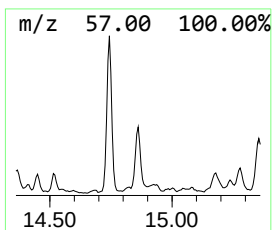
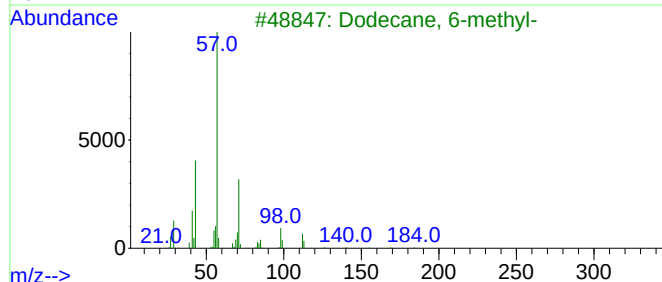
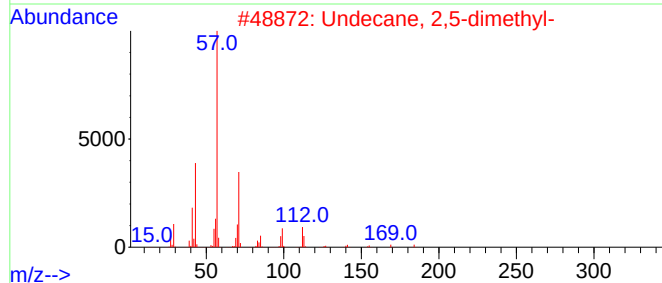
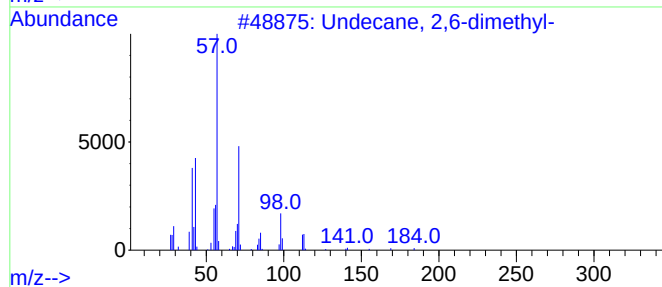
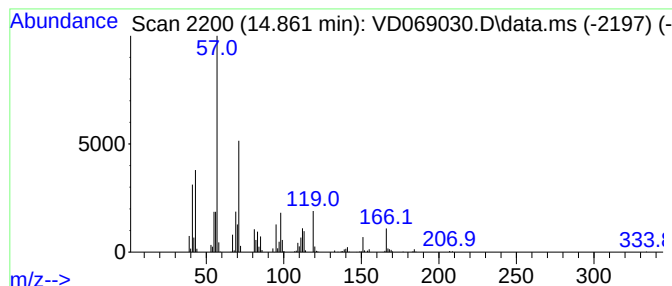
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Quant Title : SW846 8260

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

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Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.861 | 25.22 ug/l | 1015190 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-             | 184 | C13H28    | 017301-23-4  | 70   |
| 2    |    |   | Undecane, 2,5-dimethyl-             | 184 | C13H28    | 017301-22-3  | 50   |
| 3    |    |   | Dodecane, 6-methyl-                 | 184 | C13H28    | 006044-71-9  | 49   |
| 4    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 49   |
| 5    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 46   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
Data File : VD069030.D  
Acq On : 29 Apr 2021 20:48  
Operator : VA/SY  
Sample : M2225-01  
Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

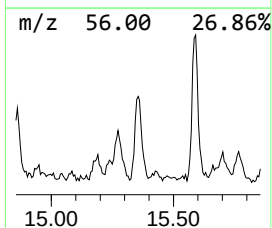
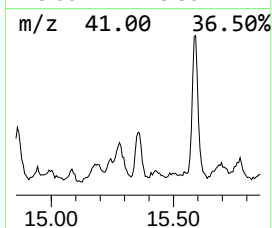
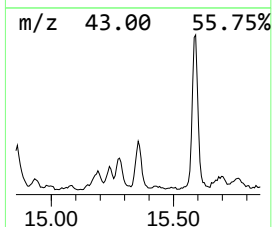
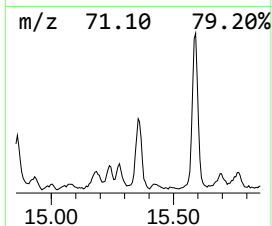
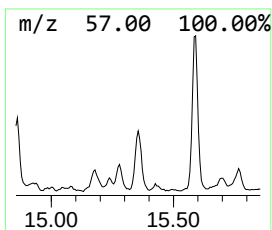
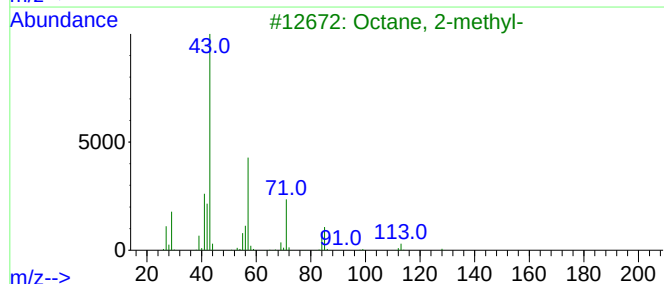
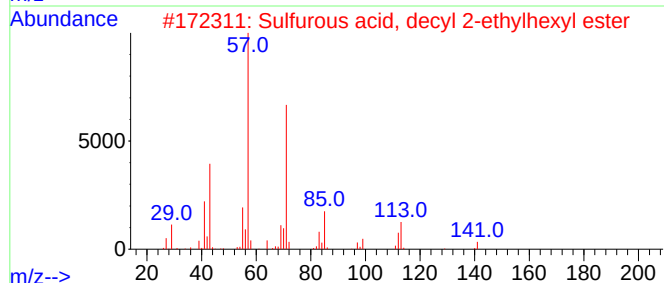
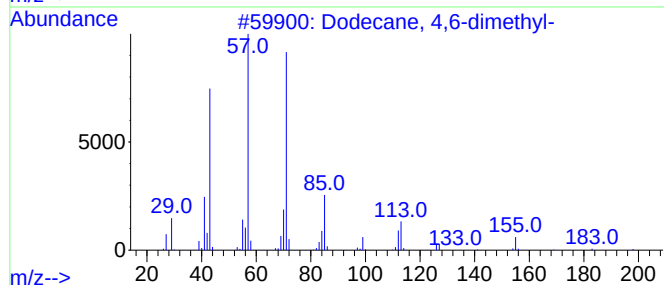
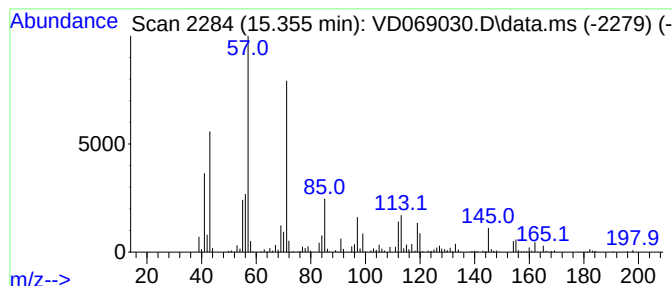
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Dodecane, 4,6-dimethyl- Concentration Rank 6

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.355 | 25.23 ug/l | 1015620 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane, 4,6-dimethyl-             | 198 | C14H30    | 061141-72-8  | 89   |
| 2    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 68   |
| 3    |    |   | Octane, 2-methyl-                   | 128 | C9H20     | 003221-61-2  | 64   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl und... | 348 | C19H40O3S | 1000309-19-4 | 58   |
| 5    |    |   | Undecane, 6-ethyl-                  | 184 | C13H28    | 017312-60-6  | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
Data File : VD069030.D  
Acq On : 29 Apr 2021 20:48  
Operator : VA/SY  
Sample : M2225-01  
Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

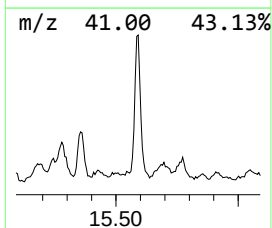
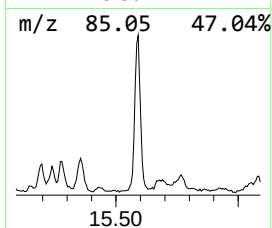
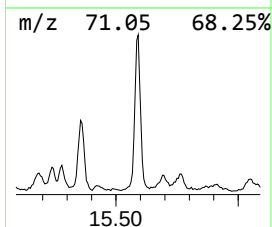
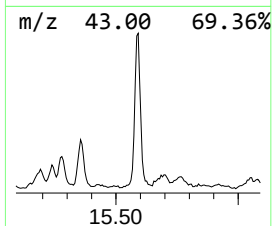
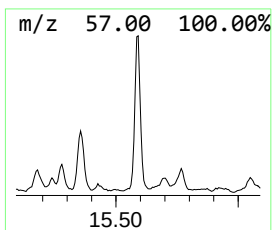
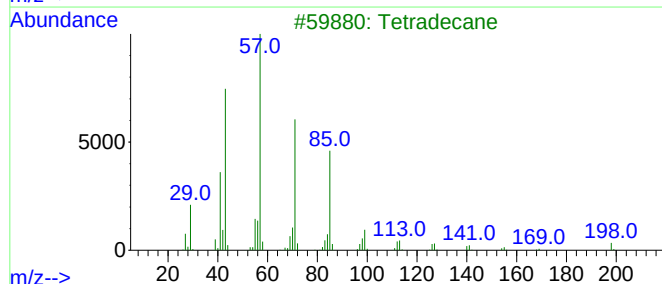
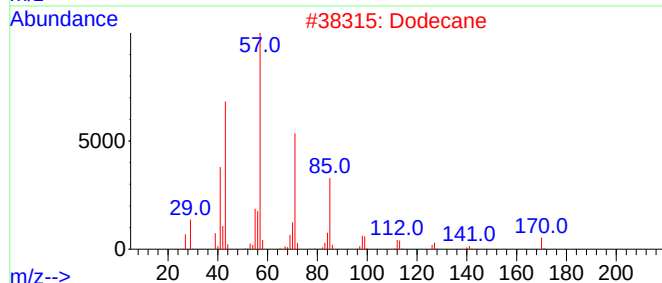
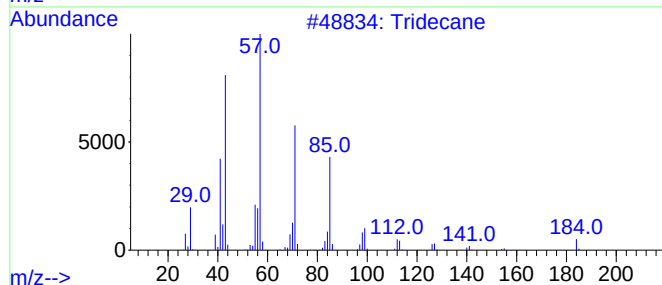
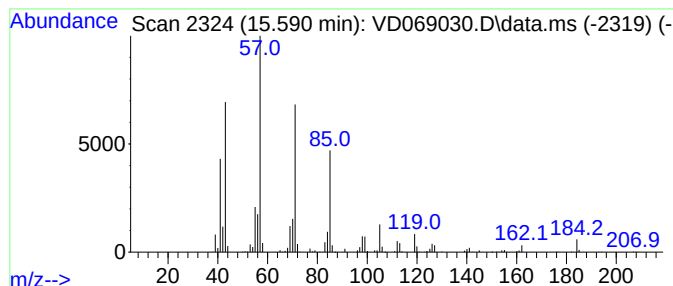
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Tridecane Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.590 | 55.30 ug/l | 2225910 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5 | 94   |
| 2    |    |   | Dodecane                 | 170 | C12H26  | 000112-40-3 | 80   |
| 3    |    |   | Tetradecane              | 198 | C14H30  | 000629-59-4 | 72   |
| 4    |    |   | Hexadecane               | 226 | C16H34  | 000544-76-3 | 72   |
| 5    |    |   | Octane, 2,3,3-trimethyl- | 156 | C11H24  | 062016-30-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
Data File : VD069030.D  
Acq On : 29 Apr 2021 20:48  
Operator : VA/SY  
Sample : M2225-01  
Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

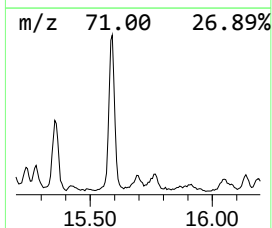
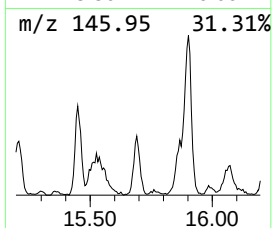
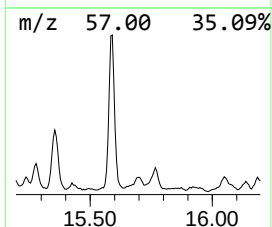
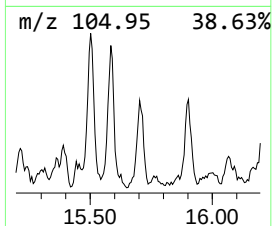
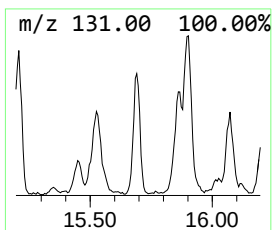
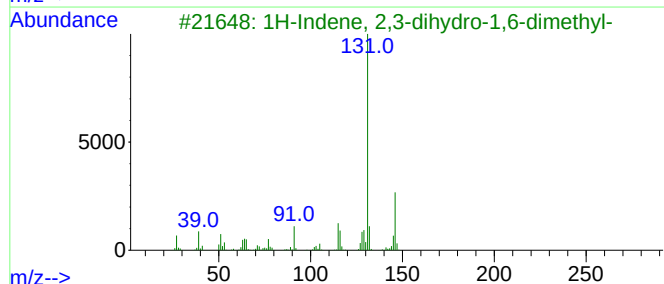
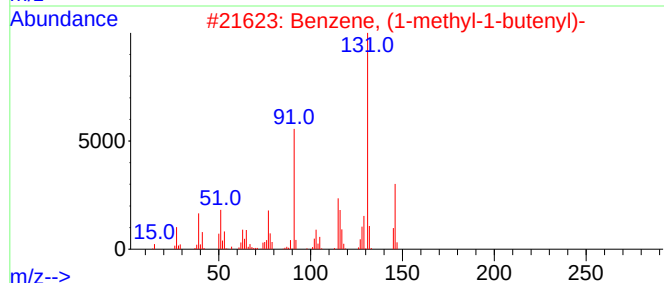
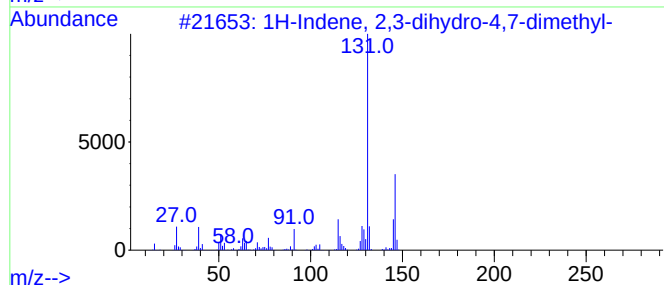
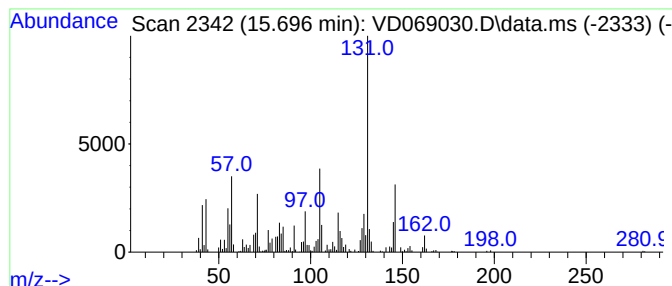
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

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

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Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.696 | 22.02 ug/l | 886292 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 95   |
| 2    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 89   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 81   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 81   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
Data File : VD069030.D  
Acq On : 29 Apr 2021 20:48  
Operator : VA/SY  
Sample : M2225-01  
Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

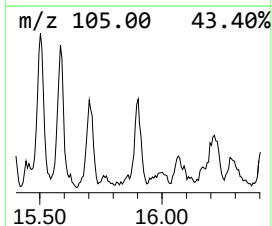
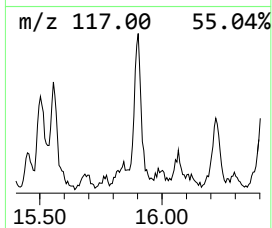
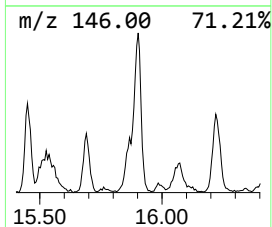
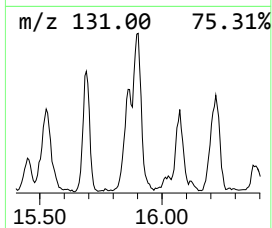
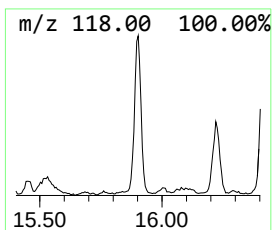
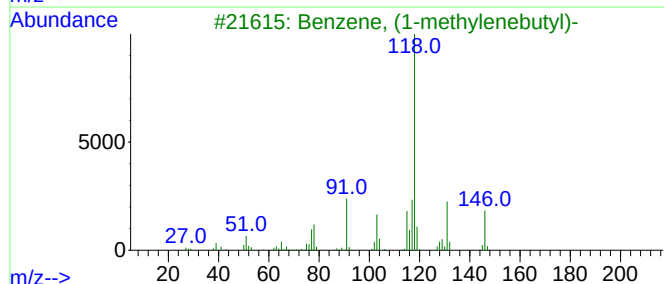
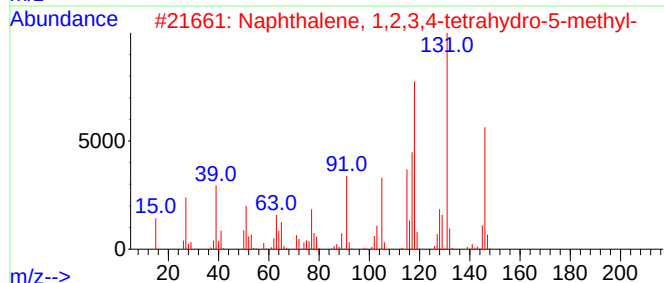
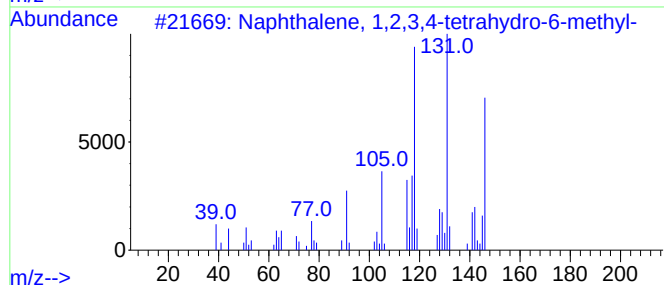
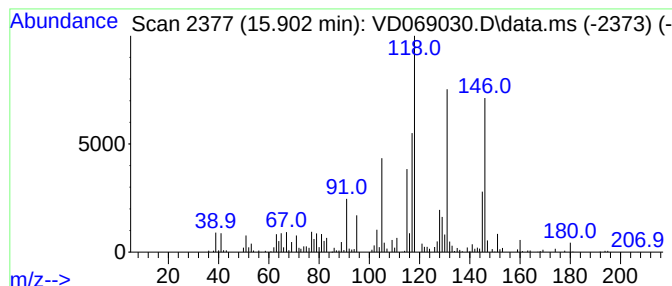
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.902 | 17.96 ug/l | 722734 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 81   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 58   |
| 3    |    |   | Benzene, (1-methylenebutyl)-        | 146 | C11H14   | 005676-32-4 | 47   |
| 4    |    |   | Thiophene, tetrahydro-3-phenyl-,... | 180 | C10H12OS | 093134-22-6 | 35   |
| 5    |    |   | Cyclobutanone, 3-phenylmethyl-      | 160 | C11H12O  | 055262-02-7 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
Data File : VD069030.D  
Acq On : 29 Apr 2021 20:48  
Operator : VA/SY  
Sample : M2225-01  
Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260

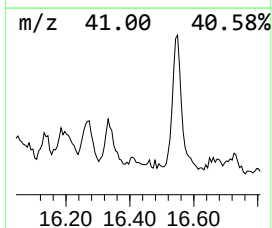
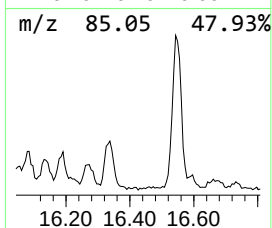
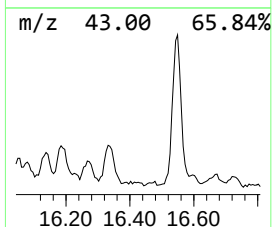
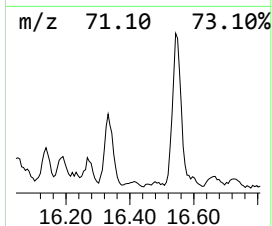
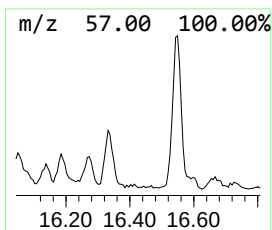
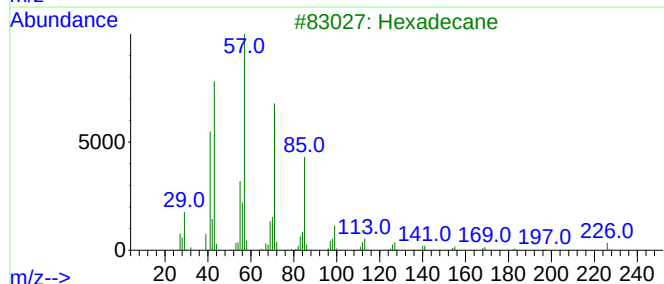
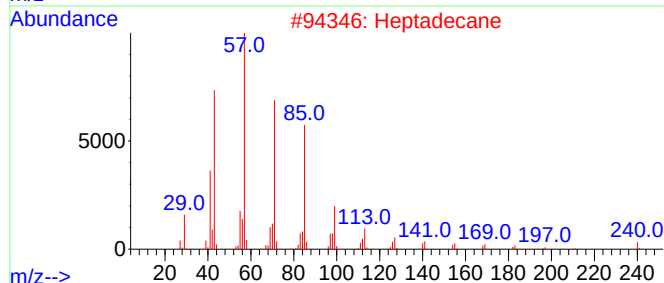
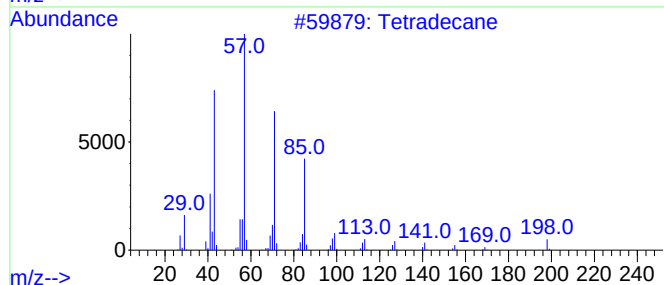
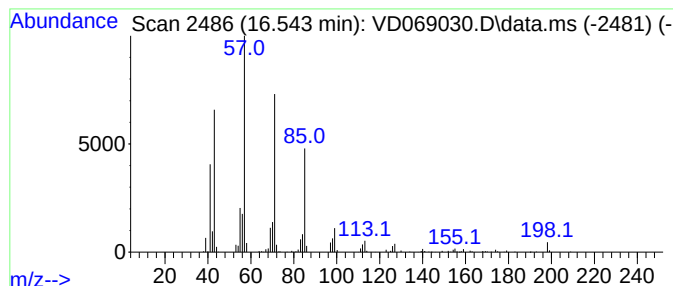
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tetradecane Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.543 | 23.71 ug/l | 954221 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# | of 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------|-----|---------|-------------|------|
| 1    |      | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 96   |
| 2    |      | Heptadecane                  | 240 | C17H36  | 000629-78-7 | 90   |
| 3    |      | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 90   |
| 4    |      | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 86   |
| 5    |      | Tridecane, 1-iodo-           | 310 | C13H27I | 035599-77-0 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
 Data File : VD069030.D  
 Acq On : 29 Apr 2021 20:48  
 Operator : VA/SY  
 Sample : M2225-01  
 Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HD-02-042921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.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           | 13.890 | 29.6    | ug/l  | 1190170  | 4                     | 13.573 | 2012540 | 50.0 |
| Naphthalene, de... | 14.402 | 30.7    | ug/l  | 1236440  | 4                     | 13.573 | 2012540 | 50.0 |
| Dodecane           | 14.743 | 53.5    | ug/l  | 2155060  | 4                     | 13.573 | 2012540 | 50.0 |
| Benzene, 2-ethe... | 14.826 | 27.3    | ug/l  | 1099560  | 4                     | 13.573 | 2012540 | 50.0 |
| Undecane, 2,6-d... | 14.861 | 25.2    | ug/l  | 1015190  | 4                     | 13.573 | 2012540 | 50.0 |
| Dodecane, 4,6-d... | 15.355 | 25.2    | ug/l  | 1015620  | 4                     | 13.573 | 2012540 | 50.0 |
| Tridecane          | 15.590 | 55.3    | ug/l  | 2225910  | 4                     | 13.573 | 2012540 | 50.0 |
| 1H-Indene, 2,3-... | 15.696 | 22.0    | ug/l  | 886292   | 4                     | 13.573 | 2012540 | 50.0 |
| Naphthalene, 1,... | 15.902 | 18.0    | ug/l  | 722734   | 4                     | 13.573 | 2012540 | 50.0 |
| Tetradecane        | 16.543 | 23.7    | ug/l  | 954221   | 4                     | 13.573 | 2012540 | 50.0 |