

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
 Data File : VY009597.D  
 Acq On : 19 Jul 2022 18:13  
 Operator : KP/MD  
 Sample : N3651-08  
 Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SED-6-(6-12)

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\_Y\methods\82Y071822S.M  
 Title : SW846 8260

Signal : TIC: VY009597.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         | 7.710       | 953           | 966         | 971          | rBV      | 137119         | 322079        | 2.26%           | 0.458%        |
| 2         | 7.783       | 971           | 978         | 995          | rVB      | 272394         | 621772        | 4.36%           | 0.885%        |
| 3         | 8.136       | 1026          | 1036        | 1048         | rBV      | 136017         | 298269        | 2.09%           | 0.424%        |
| 4         | 8.319       | 1055          | 1066        | 1081         | rBV      | 118653         | 290259        | 2.03%           | 0.413%        |
| 5         | 8.685       | 1117          | 1126        | 1136         | rBV      | 436551         | 848356        | 5.94%           | 1.207%        |
| 6         | 9.612       | 1269          | 1278        | 1286         | rBV      | 92484          | 176514        | 1.24%           | 0.251%        |
| 7         | 10.105      | 1346          | 1359        | 1365         | rBV      | 823379         | 1475311       | 10.34%          | 2.100%        |
| 8         | 10.173      | 1365          | 1370        | 1379         | rVB      | 583683         | 995198        | 6.97%           | 1.416%        |
| 9         | 10.636      | 1439          | 1446        | 1456         | rVB      | 193296         | 340025        | 2.38%           | 0.484%        |
| 10        | 11.483      | 1577          | 1585        | 1590         | rVV      | 1146529        | 2258516       | 15.83%          | 3.214%        |
| 11        | 11.532      | 1590          | 1593        | 1595         | rVV2     | 369595         | 577351        | 4.05%           | 0.822%        |
| 12        | 11.563      | 1595          | 1598        | 1604         | rVB      | 518640         | 773864        | 5.42%           | 1.101%        |
| 13        | 11.739      | 1622          | 1627        | 1637         | rVB      | 803613         | 1327667       | 9.30%           | 1.889%        |
| 14        | 11.843      | 1637          | 1644        | 1647         | rBV2     | 114881         | 222544        | 1.56%           | 0.317%        |
| 15        | 11.892      | 1648          | 1652        | 1657         | rVV3     | 127061         | 242702        | 1.70%           | 0.345%        |
| 16        | 11.977      | 1661          | 1666        | 1671         | rVB3     | 95609          | 186160        | 1.30%           | 0.265%        |
| 17        | 12.105      | 1682          | 1687        | 1696         | rVB      | 497801         | 823383        | 5.77%           | 1.172%        |
| 18        | 12.197      | 1696          | 1702        | 1704         | rBV3     | 120615         | 212974        | 1.49%           | 0.303%        |
| 19        | 12.300      | 1713          | 1719        | 1725         | rBV3     | 93442          | 171128        | 1.20%           | 0.244%        |
| 20        | 12.459      | 1739          | 1745        | 1754         | rVB      | 9202694        | 14270979      | 100.00%         | 20.310%       |
| 21        | 12.556      | 1754          | 1761        | 1767         | rBV4     | 259303         | 688453        | 4.82%           | 0.980%        |
| 22        | 12.623      | 1767          | 1772        | 1782         | rVB      | 1746116        | 3516163       | 24.64%          | 5.004%        |
| 23        | 12.709      | 1782          | 1786        | 1787         | rBV      | 150820         | 198467        | 1.39%           | 0.282%        |
| 24        | 12.733      | 1787          | 1790        | 1796         | rVB4     | 203508         | 346134        | 2.43%           | 0.493%        |
| 25        | 12.831      | 1796          | 1806        | 1812         | rBV2     | 1626560        | 3607066       | 25.28%          | 5.133%        |
| 26        | 12.885      | 1812          | 1815        | 1820         | rVB      | 486079         | 687985        | 4.82%           | 0.979%        |
| 27        | 13.038      | 1832          | 1840        | 1841         | rBV2     | 487161         | 871574        | 6.11%           | 1.240%        |
| 28        | 13.068      | 1841          | 1845        | 1852         | rVB      | 2332737        | 3455100       | 24.21%          | 4.917%        |
| 29        | 13.172      | 1858          | 1862        | 1869         | rVB      | 701722         | 1142742       | 8.01%           | 1.626%        |
| 30        | 13.282      | 1871          | 1880        | 1888         | rBV      | 4646350        | 7656821       | 53.65%          | 10.897%       |
| 31        | 13.349      | 1888          | 1891        | 1894         | rVV      | 259589         | 375304        | 2.63%           | 0.534%        |
| 32        | 13.398      | 1894          | 1899        | 1901         | rVV      | 601368         | 1057536       | 7.41%           | 1.505%        |
| 33        | 13.428      | 1901          | 1904        | 1907         | rVV2     | 732533         | 1274467       | 8.93%           | 1.814%        |
| 34        | 13.477      | 1907          | 1912        | 1922         | rVB      | 3196072        | 7064745       | 49.50%          | 10.054%       |
| 35        | 13.641      | 1933          | 1939        | 1943         | rBV      | 1043320        | 1603835       | 11.24%          | 2.282%        |
| 36        | 13.782      | 1958          | 1962        | 1964         | rBV3     | 148620         | 232111        | 1.63%           | 0.330%        |

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Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

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\_Y\methods\82Y071822S.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 13.818 | 1964 | 1968 | 1974 | rVB2 | 339051  | 684256  | 4.79%  | 0.974% |
| 38 | 13.916 | 1980 | 1984 | 1986 | rBV2 | 128358  | 182158  | 1.28%  | 0.259% |
| 39 | 13.958 | 1986 | 1991 | 1993 | rVV3 | 391846  | 694345  | 4.87%  | 0.988% |
| 40 | 13.989 | 1993 | 1996 | 2006 | rVB2 | 561354  | 1292583 | 9.06%  | 1.840% |
| 41 | 14.074 | 2006 | 2010 | 2013 | rVB  | 218510  | 281726  | 1.97%  | 0.401% |
| 42 | 14.141 | 2015 | 2021 | 2029 | rBV6 | 291057  | 832088  | 5.83%  | 1.184% |
| 43 | 14.306 | 2036 | 2048 | 2052 | rBV6 | 301284  | 973175  | 6.82%  | 1.385% |
| 44 | 14.385 | 2055 | 2061 | 2069 | rVV3 | 1317541 | 3125708 | 21.90% | 4.448% |
| 45 | 14.458 | 2070 | 2073 | 2079 | rVB4 | 208299  | 379801  | 2.66%  | 0.541% |
| 46 | 15.227 | 2194 | 2199 | 2204 | rVB  | 328530  | 593844  | 4.16%  | 0.845% |
| 47 | 15.440 | 2231 | 2234 | 2242 | rVB3 | 133754  | 259100  | 1.82%  | 0.369% |
| 48 | 15.897 | 2305 | 2309 | 2313 | rVB  | 137049  | 218439  | 1.53%  | 0.311% |
| 49 | 16.763 | 2444 | 2451 | 2455 | rBV3 | 234222  | 536156  | 3.76%  | 0.763% |

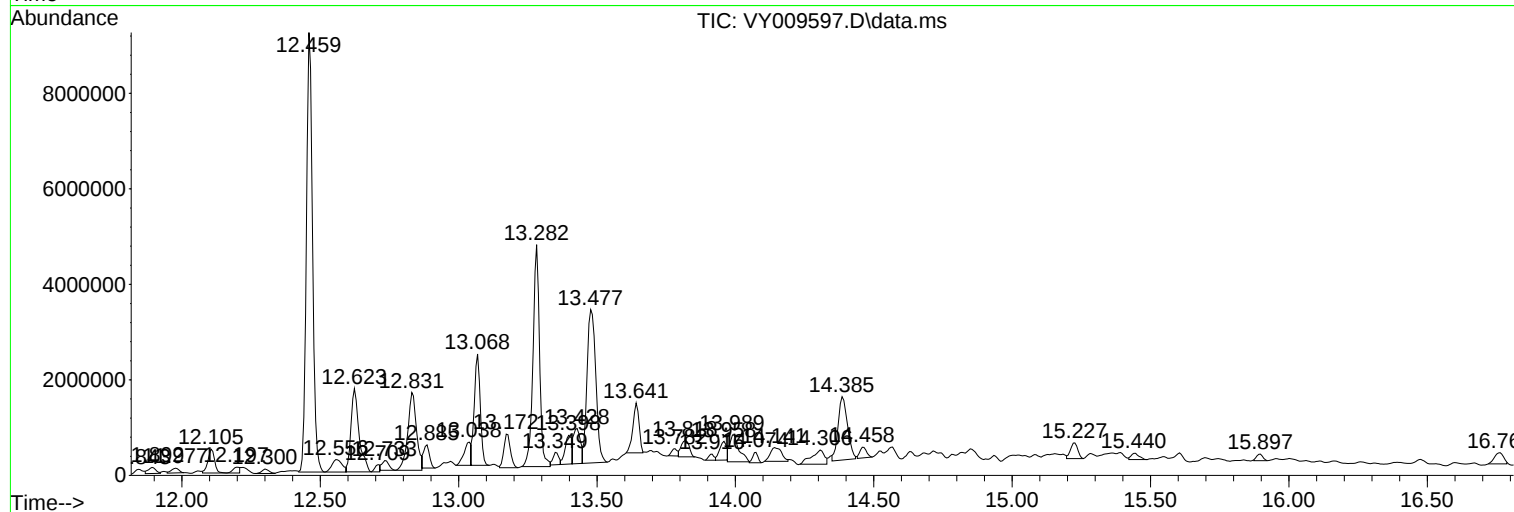
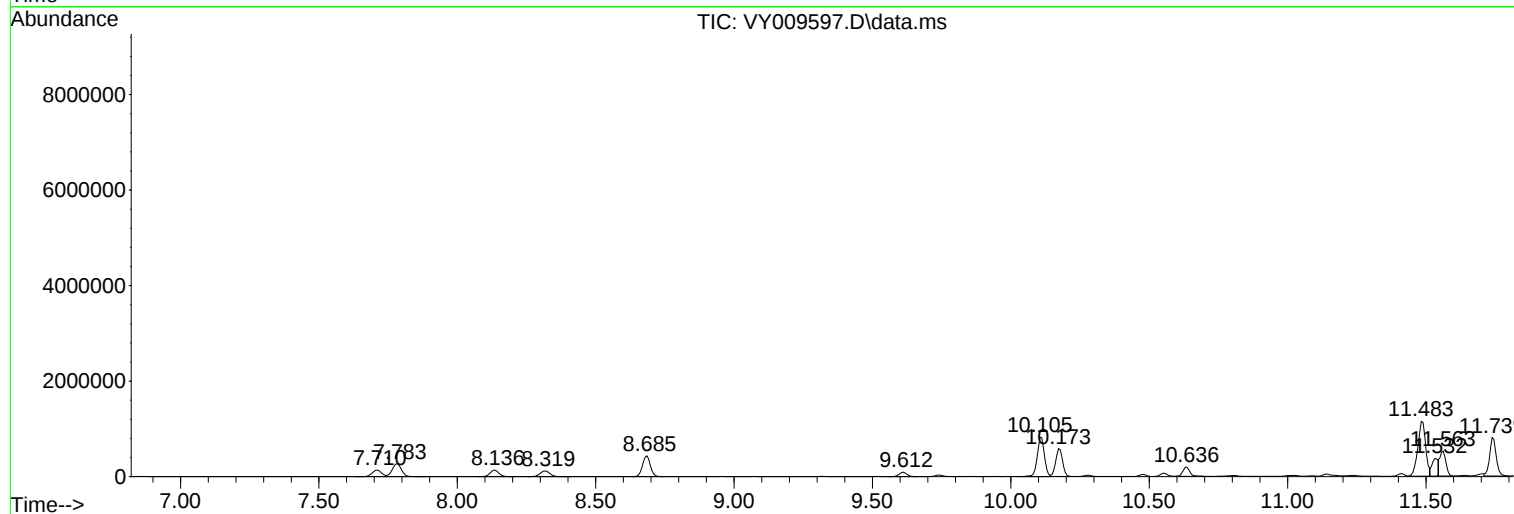
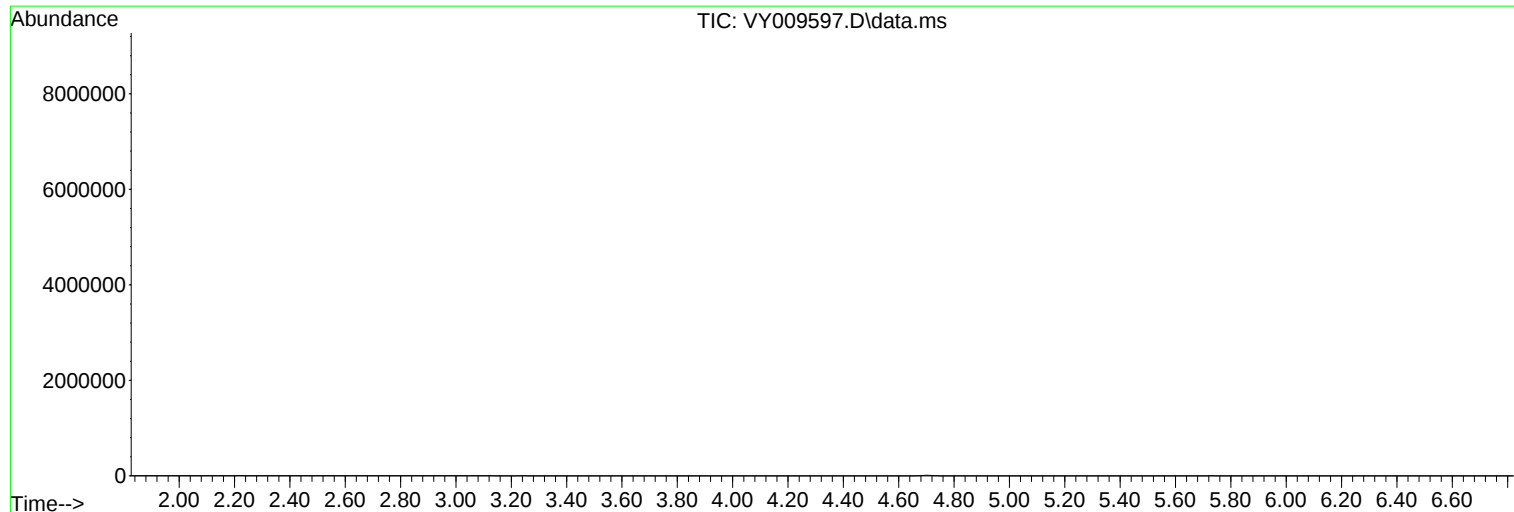
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
Data File : VY009597.D  
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Operator : KP/MD  
Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

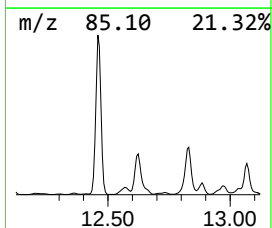
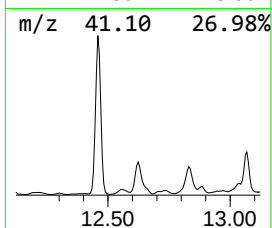
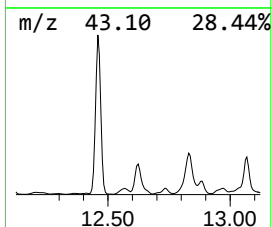
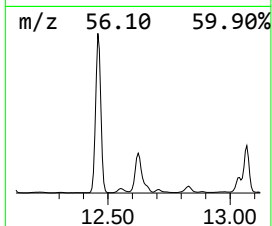
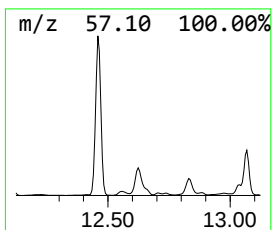
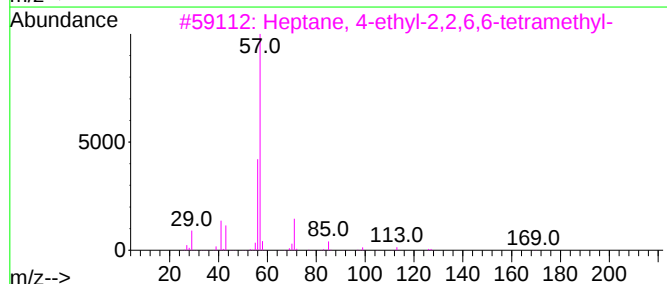
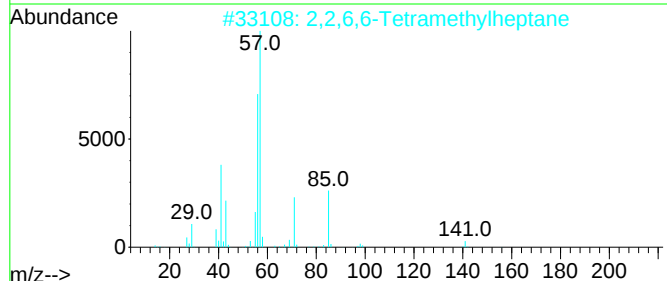
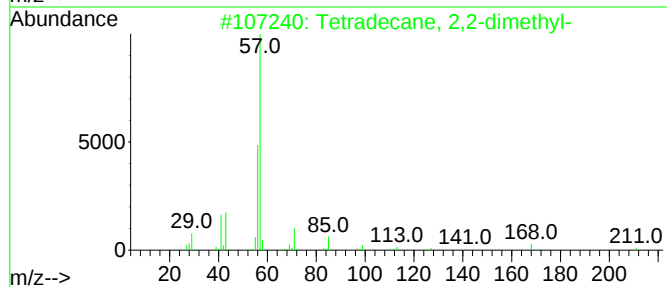
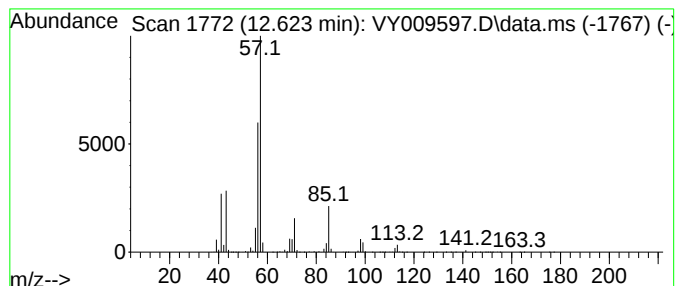
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Tetradecane, 2,2-dimethyl- Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.623 | 137.95 ug/l | 3516160 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane, 2,2-dimethyl-          | 226 | C16H34  | 059222-86-5 | 59   |
| 2    |    |   | 2,2,6,6-Tetramethylheptane          | 156 | C11H24  | 040117-45-1 | 53   |
| 3    |    |   | Heptane, 4-ethyl-2,2,6,6-tetrame... | 184 | C13H28  | 062108-31-0 | 53   |
| 4    |    |   | Decane, 2,2,7-trimethyl-            | 184 | C13H28  | 062237-99-4 | 53   |
| 5    |    |   | Butane, 2,2,3-trimethyl-            | 100 | C7H16   | 000464-06-2 | 53   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

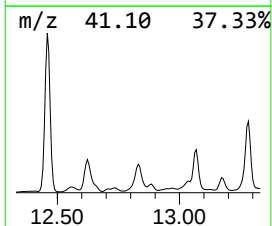
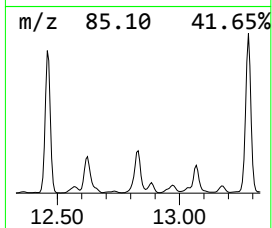
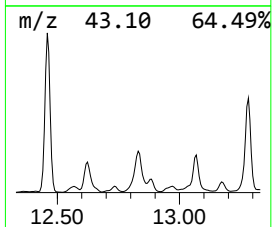
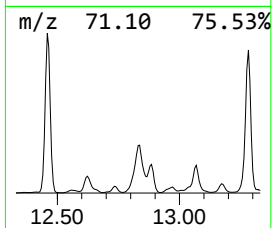
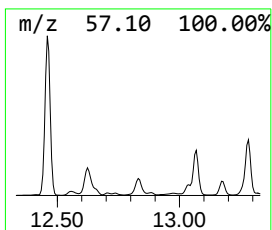
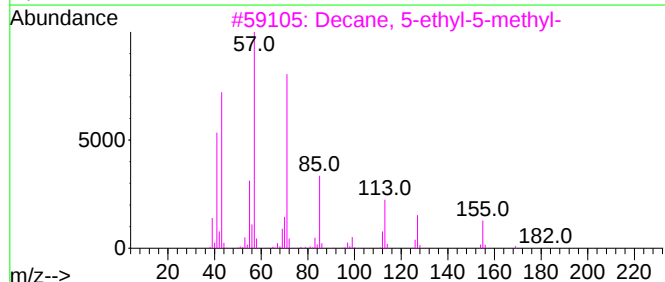
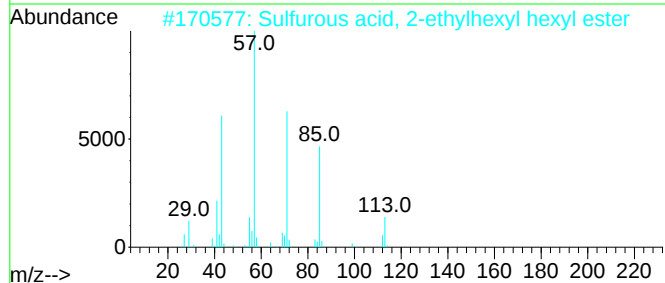
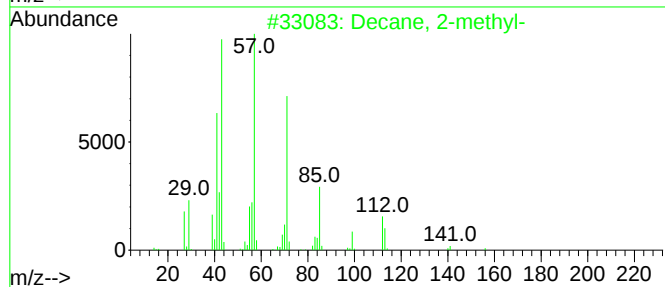
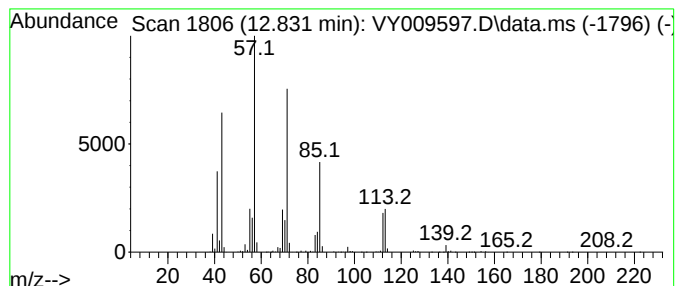
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Decane, 2-methyl- Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.831 | 141.51 ug/l | 3607070 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Decane, 2-methyl-                   | 156 | C11H24    | 006975-98-0  | 87   |
| 2    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 86   |
| 3    |    |   | Decane, 5-ethyl-5-methyl-           | 184 | C13H28    | 017312-74-2  | 78   |
| 4    |    |   | Nonane, 3,7-dimethyl-               | 156 | C11H24    | 017302-32-8  | 64   |
| 5    |    |   | Undecane, 6-ethyl-                  | 184 | C13H28    | 017312-60-6  | 64   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

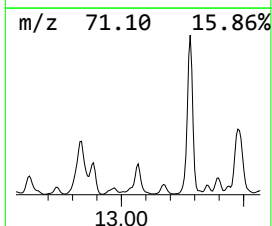
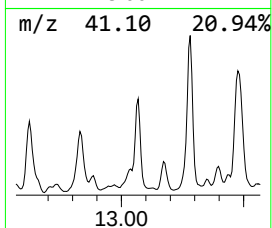
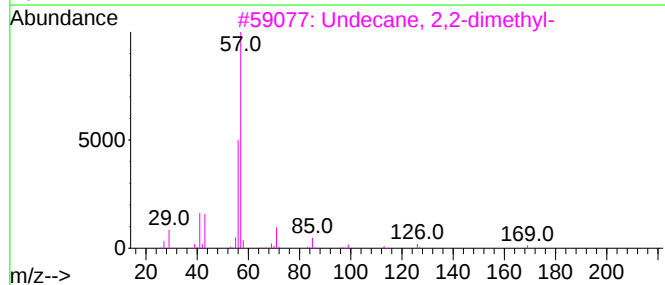
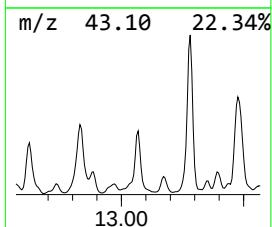
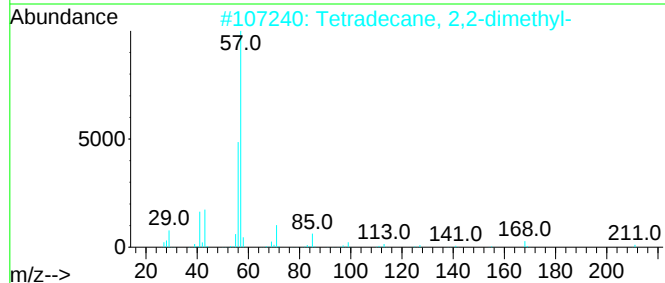
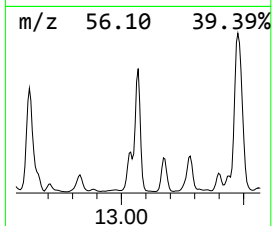
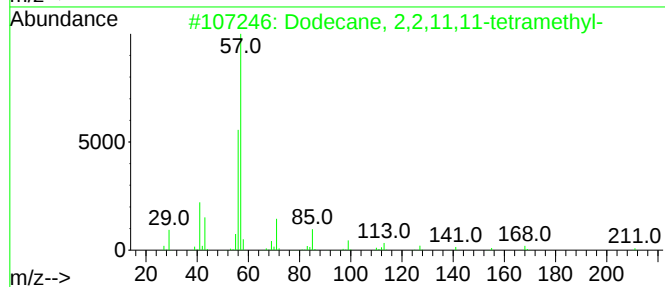
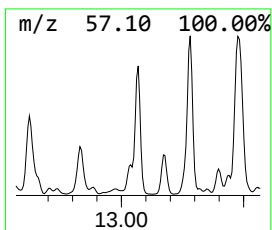
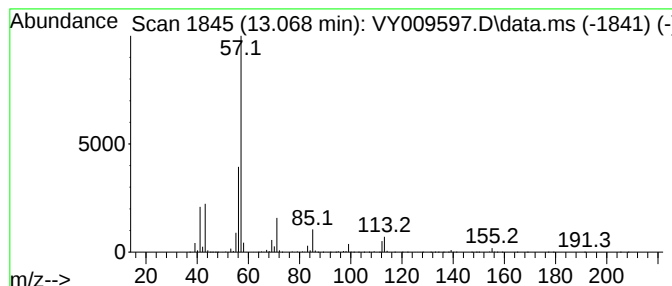
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Dodecane, 2,2,11,11-tetrame... Concentration Rank 5

| R.T.      | EstConc                          | Area    | Relative to ISTD       |         |             | R.T.   |
|-----------|----------------------------------|---------|------------------------|---------|-------------|--------|
| 13.068    | 135.55 ug/l                      | 3455100 | 1,4-Dichlorobenzene-d4 |         |             | 13.422 |
| Hit# of 5 | Tentative ID                     |         | MW                     | MolForm | CAS#        | Qual   |
| 1         | Dodecane, 2,2,11,11-tetramethyl- |         | 226                    | C16H34  | 127204-12-0 | 78     |
| 2         | Tetradecane, 2,2-dimethyl-       |         | 226                    | C16H34  | 059222-86-5 | 72     |
| 3         | Undecane, 2,2-dimethyl-          |         | 184                    | C13H28  | 017312-64-0 | 72     |
| 4         | Decane, 2,2,8-trimethyl-         |         | 184                    | C13H28  | 062238-01-1 | 72     |
| 5         | Heptane, 2,2,4,6,6-pentamethyl-  |         | 170                    | C12H26  | 013475-82-6 | 64     |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

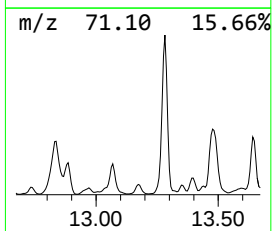
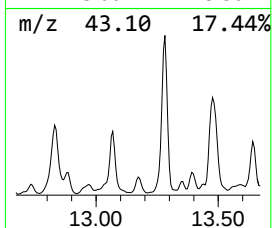
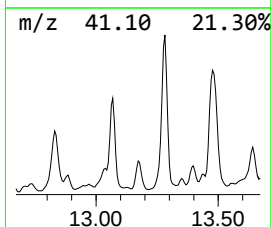
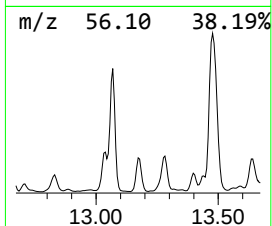
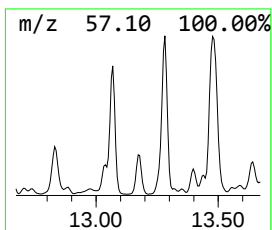
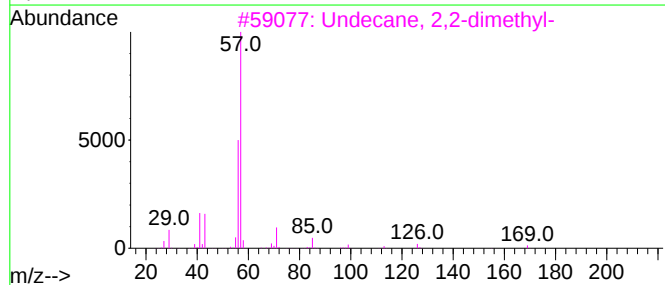
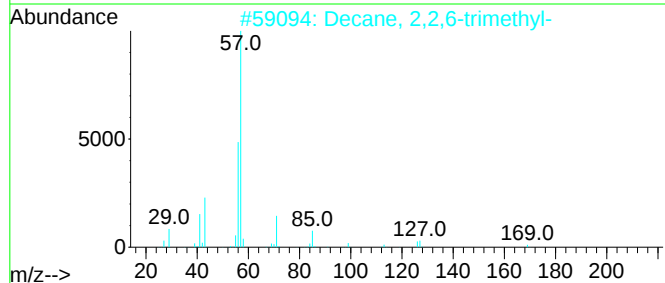
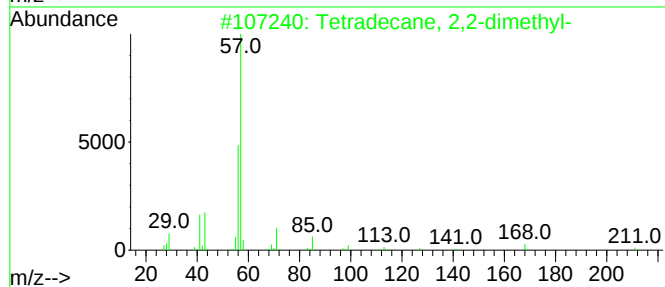
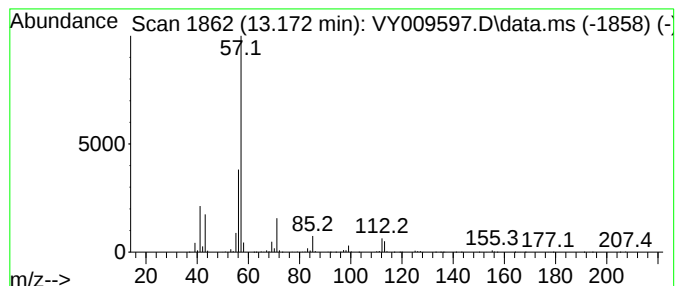
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Decane, 2,2,6-trimethyl- Concentration Rank 9

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.172 | 44.83 ug/l | 1142740 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane, 2,2-dimethyl-          | 226 | C16H34  | 059222-86-5 | 78   |
| 2    |    |   | Decane, 2,2,6-trimethyl-            | 184 | C13H28  | 062237-97-2 | 72   |
| 3    |    |   | Undecane, 2,2-dimethyl-             | 184 | C13H28  | 017312-64-0 | 72   |
| 4    |    |   | Decane, 2,2,8-trimethyl-            | 184 | C13H28  | 062238-01-1 | 72   |
| 5    |    |   | Heptane, 4-ethyl-2,2,6,6-tetrame... | 184 | C13H28  | 062108-31-0 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
Data File : VY009597.D  
Acq On : 19 Jul 2022 18:13  
Operator : KP/MD  
Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

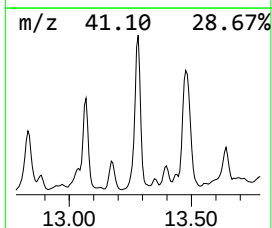
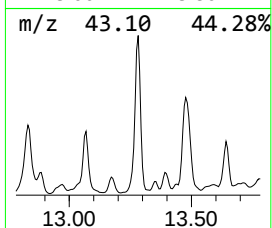
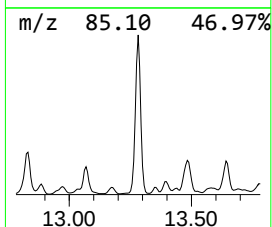
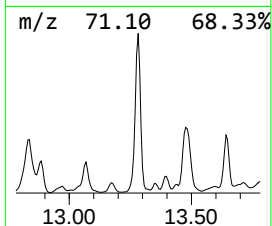
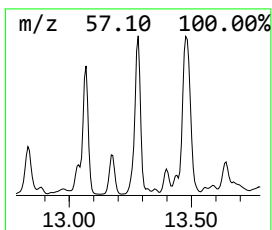
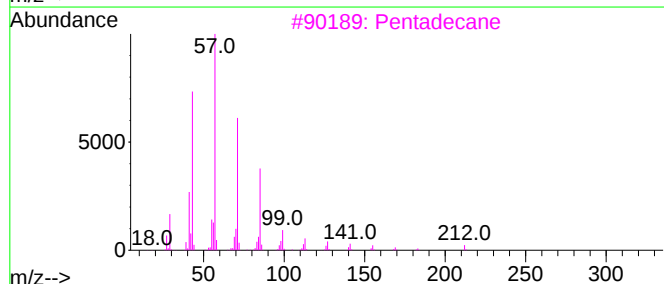
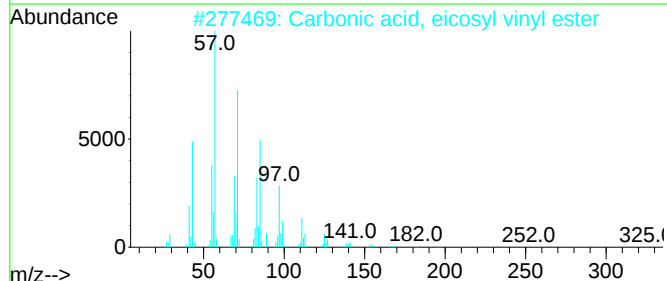
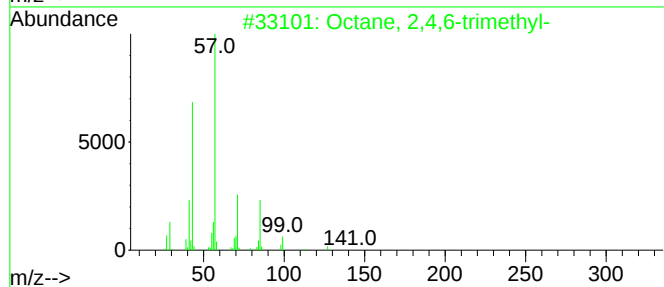
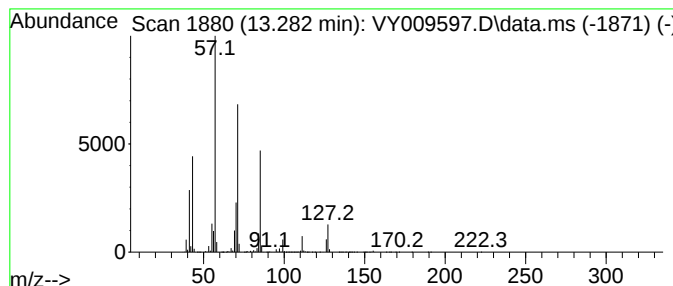
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octane, 2,4,6-trimethyl- Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.282 | 300.39 ug/l | 7656820 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Octane, 2,4,6-trimethyl-           | 156 | C11H24   | 062016-37-9  | 72   |
| 2    |    |   | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 64   |
| 3    |    |   | Pentadecane                        | 212 | C15H32   | 000629-62-9  | 64   |
| 4    |    |   | Nonane, 2-methyl-5-propyl-         | 184 | C13H28   | 031081-17-1  | 64   |
| 5    |    |   | Pentan-2-yl 2-methylbutanoate      | 172 | C10H20O2 | 1000372-71-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
Data File : VY009597.D  
Acq On : 19 Jul 2022 18:13  
Operator : KP/MD  
Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

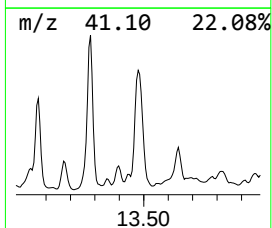
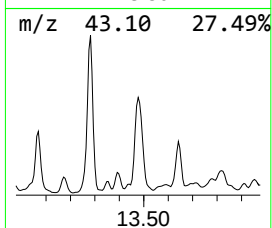
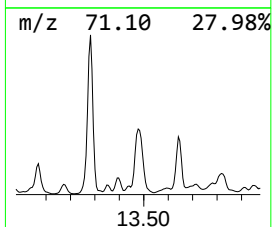
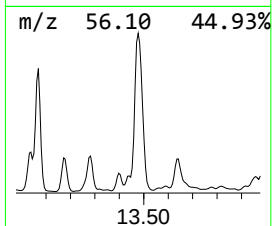
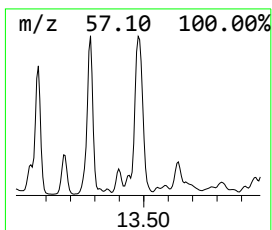
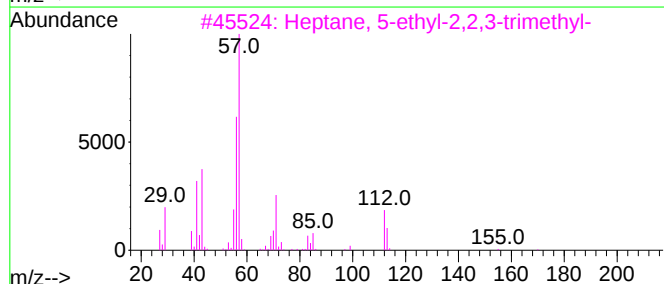
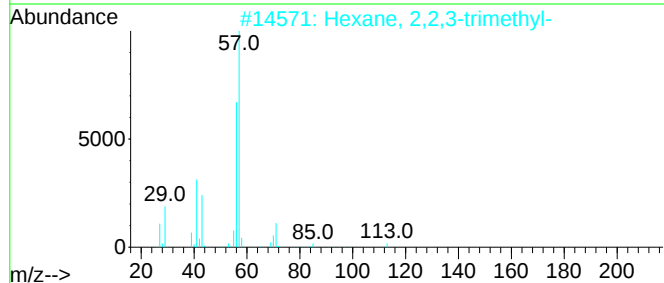
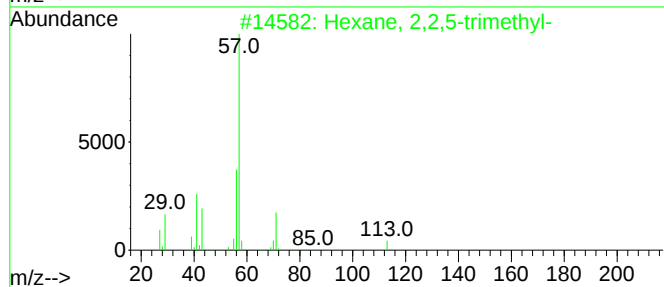
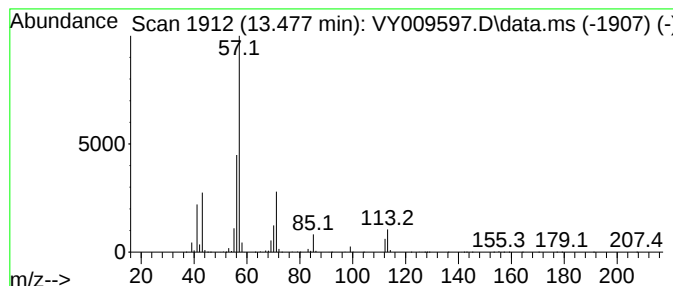
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hexane, 2,2,5-trimethyl- Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.477 | 277.17 ug/l | 7064750 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexane, 2,2,5-trimethyl-          | 128 | C9H20   | 003522-94-9 | 72   |
| 2    |    |   | Hexane, 2,2,3-trimethyl-          | 128 | C9H20   | 016747-25-4 | 64   |
| 3    |    |   | Heptane, 5-ethyl-2,2,3-trimethyl- | 170 | C12H26  | 062199-06-8 | 64   |
| 4    |    |   | Heptane, 2,2-dimethyl-            | 128 | C9H20   | 001071-26-7 | 59   |
| 5    |    |   | Decane, 2,2,6-trimethyl-          | 184 | C13H28  | 062237-97-2 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
Data File : VY009597.D  
Acq On : 19 Jul 2022 18:13  
Operator : KP/MD  
Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

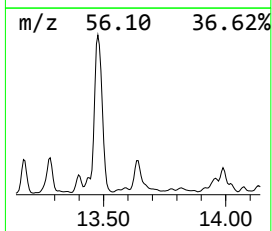
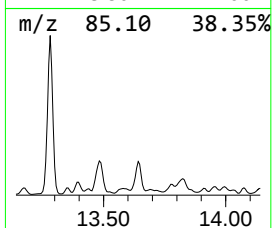
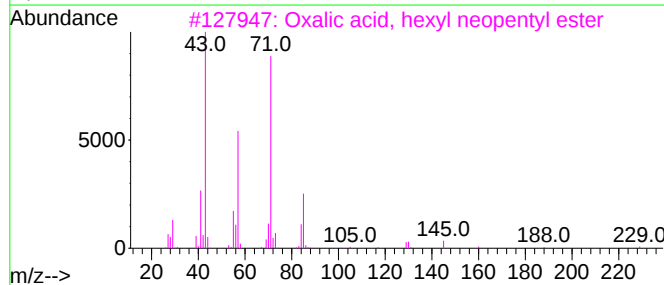
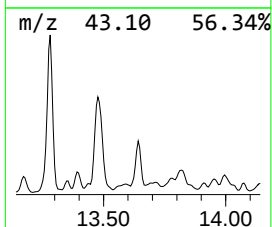
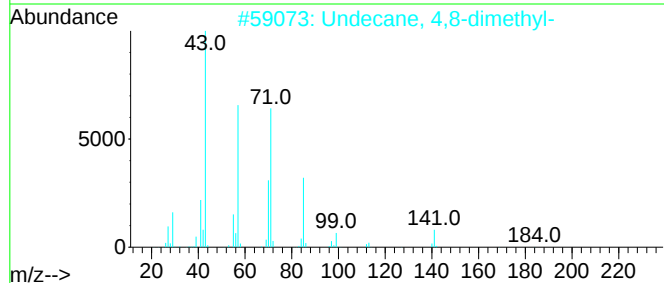
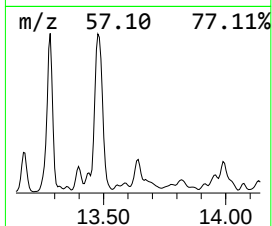
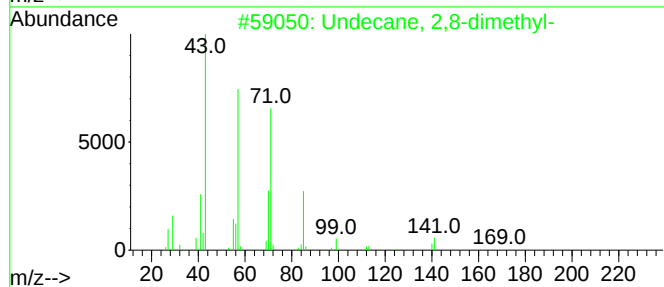
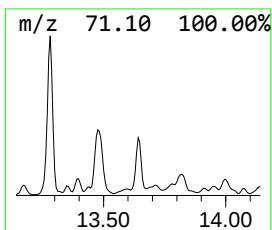
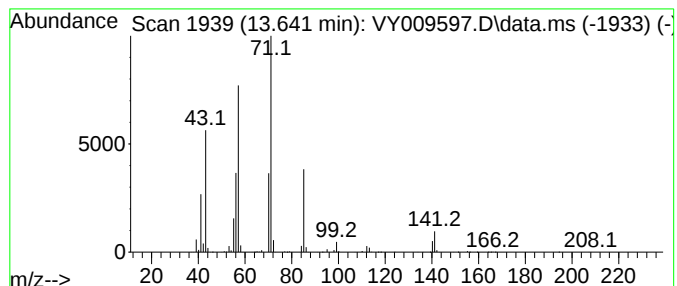
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Undecane, 2,8-dimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.641 | 62.92 ug/l | 1603840 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Undecane, 2,8-dimethyl-            | 184 | C13H28   | 017301-25-6  | 78   |
| 2    |    |   | Undecane, 4,8-dimethyl-            | 184 | C13H28   | 017301-33-6  | 72   |
| 3    |    |   | Oxalic acid, hexyl neopentyl ester | 244 | C13H24O4 | 1000309-73-1 | 59   |
| 4    |    |   | Pentane, 3,3-dimethyl-             | 100 | C7H16    | 000562-49-2  | 53   |
| 5    |    |   | Isobutyl pentyl carbonate          | 188 | C10H20O3 | 178442-32-5  | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
Data File : VY009597.D  
Acq On : 19 Jul 2022 18:13  
Operator : KP/MD  
Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

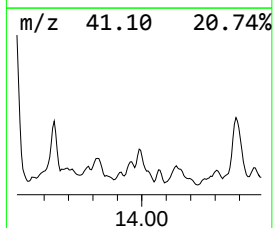
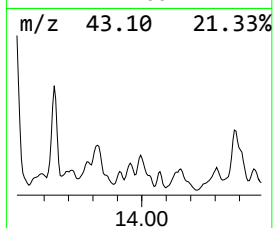
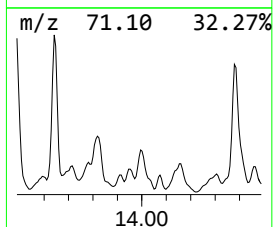
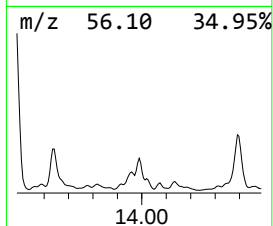
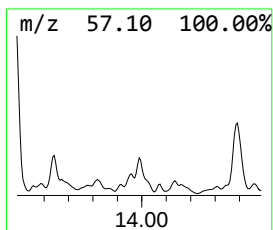
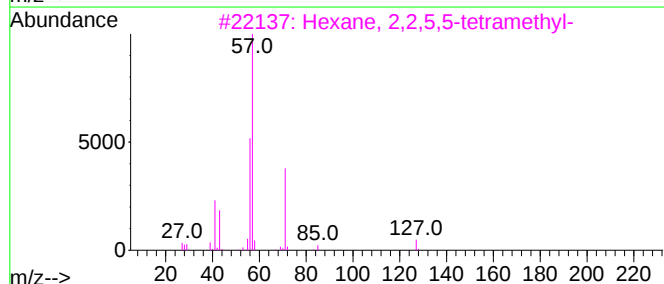
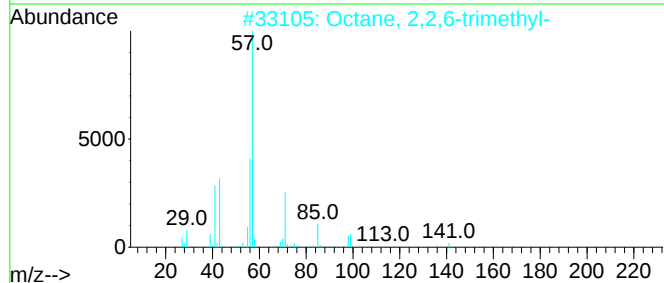
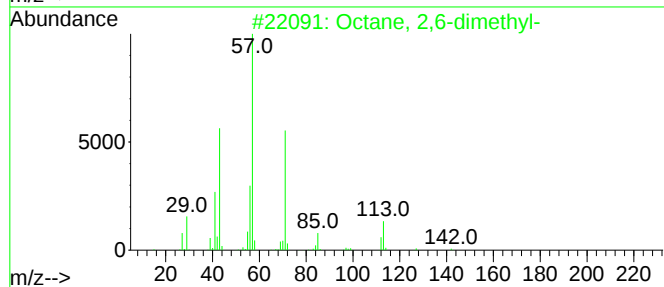
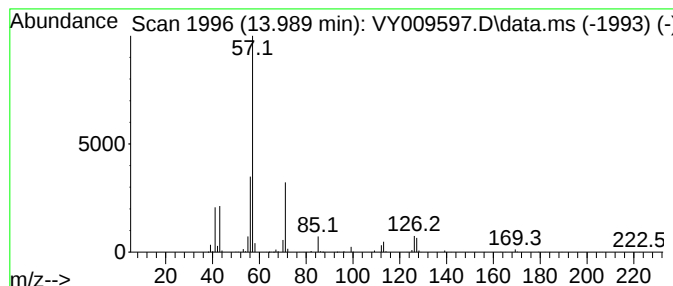
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Octane, 2,6-dimethyl- Concentration Rank 8

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.989 | 50.71 ug/l | 1292580 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 2,6-dimethyl-        | 142 | C10H22  | 002051-30-1 | 64   |
| 2    |    |   | Octane, 2,2,6-trimethyl-     | 156 | C11H24  | 062016-28-8 | 59   |
| 3    |    |   | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22  | 001071-81-4 | 59   |
| 4    |    |   | Tridecane, 6-methyl-         | 198 | C14H30  | 013287-21-3 | 53   |
| 5    |    |   | Decane, 2,6,8-trimethyl-     | 184 | C13H28  | 062108-26-3 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
Data File : VY009597.D  
Acq On : 19 Jul 2022 18:13  
Operator : KP/MD  
Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

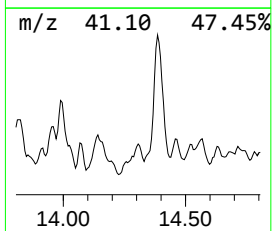
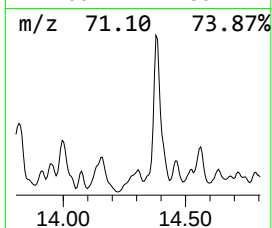
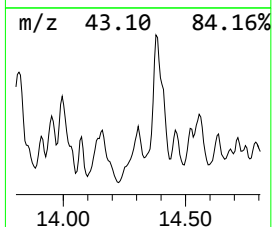
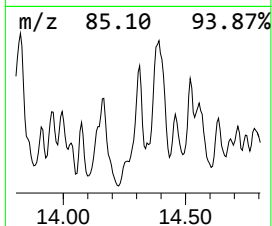
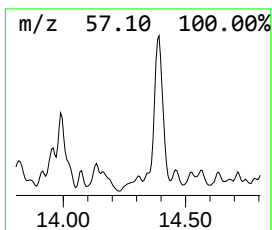
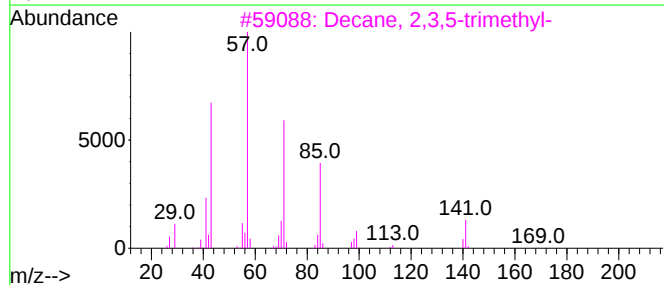
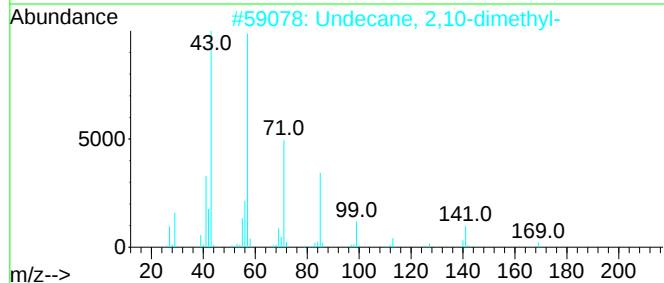
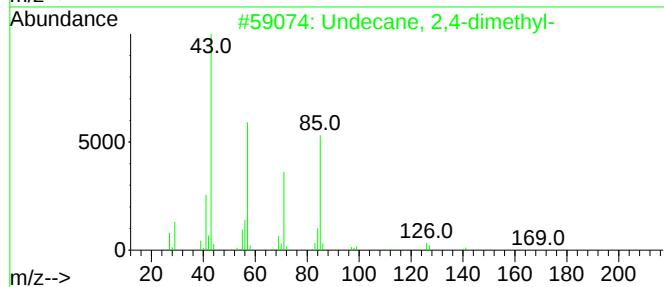
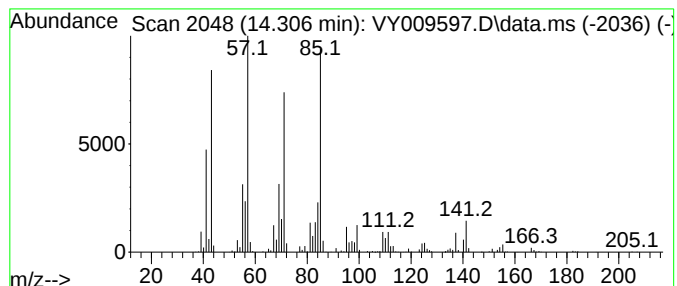
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Undecane, 2,4-dimethyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.306 | 38.18 ug/l | 973175 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Undecane, 2,4-dimethyl-             | 184 | C13H28   | 017312-80-0 | 72   |
| 2    |    |   | Undecane, 2,10-dimethyl-            | 184 | C13H28   | 017301-27-8 | 49   |
| 3    |    |   | Decane, 2,3,5-trimethyl-            | 184 | C13H28   | 062238-11-3 | 47   |
| 4    |    |   | Decane, 2,3,6-trimethyl-            | 184 | C13H28   | 062238-12-4 | 47   |
| 5    |    |   | 2H-Pyran, tetrahydro-2-(12-penta... | 308 | C20H36O2 | 056666-38-7 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
Data File : VY009597.D  
Acq On : 19 Jul 2022 18:13  
Operator : KP/MD  
Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

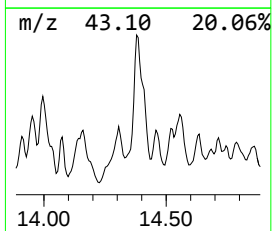
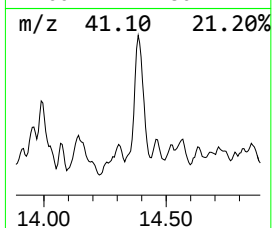
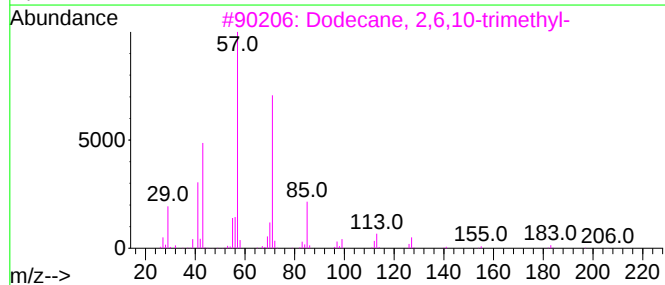
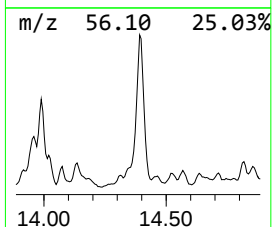
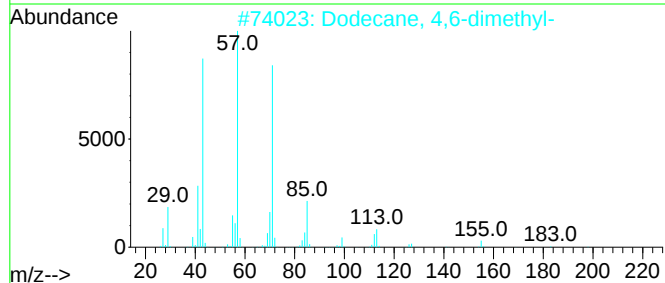
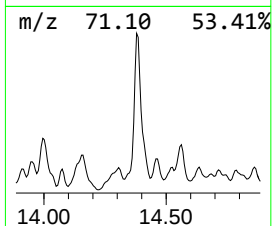
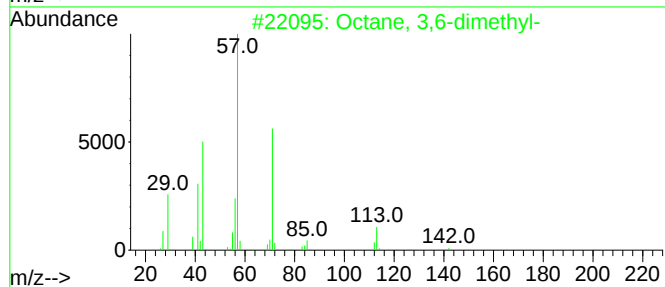
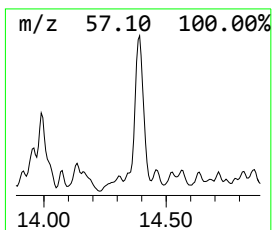
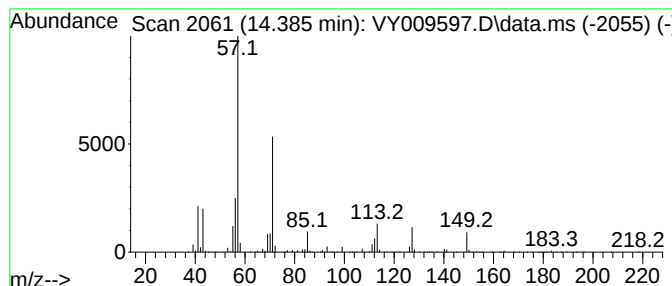
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Octane, 3,6-dimethyl- Concentration Rank 6

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.385 | 122.63 ug/l | 3125710 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 3,6-dimethyl-       | 142 | C10H22  | 015869-94-0 | 59   |
| 2    |    |   | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 53   |
| 3    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 53   |
| 4    |    |   | Nonane, 3-methyl-           | 142 | C10H22  | 005911-04-6 | 53   |
| 5    |    |   | Decane, 2,5,9-trimethyl-    | 184 | C13H28  | 062108-22-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
Data File : VY009597.D  
Acq On : 19 Jul 2022 18:13  
Operator : KP/MD  
Sample : N3651-08  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SED-6-(6-12)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Tetradecane, 2,... | 12.623 | 137.9   | ug/l  | 3516160  | 4                     | 13.422 | 1274470 | 50.0 |
| Decane, 2-methyl-  | 12.831 | 141.5   | ug/l  | 3607070  | 4                     | 13.422 | 1274470 | 50.0 |
| Dodecane, 2,2,1... | 13.068 | 135.6   | ug/l  | 3455100  | 4                     | 13.422 | 1274470 | 50.0 |
| Decane, 2,2,6-t... | 13.172 | 44.8    | ug/l  | 1142740  | 4                     | 13.422 | 1274470 | 50.0 |
| Octane, 2,4,6-t... | 13.282 | 300.4   | ug/l  | 7656820  | 4                     | 13.422 | 1274470 | 50.0 |
| Hexane, 2,2,5-t... | 13.477 | 277.2   | ug/l  | 7064750  | 4                     | 13.422 | 1274470 | 50.0 |
| Undecane, 2,8-d... | 13.641 | 62.9    | ug/l  | 1603840  | 4                     | 13.422 | 1274470 | 50.0 |
| Octane, 2,6-dim... | 13.989 | 50.7    | ug/l  | 1292580  | 4                     | 13.422 | 1274470 | 50.0 |
| Undecane, 2,4-d... | 14.306 | 38.2    | ug/l  | 973175   | 4                     | 13.422 | 1274470 | 50.0 |
| Octane, 3,6-dim... | 14.385 | 122.6   | ug/l  | 3125710  | 4                     | 13.422 | 1274470 | 50.0 |