

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
 Data File : VD071275.D  
 Acq On : 11 Dec 2021 17:44  
 Operator : VA/SY  
 Sample : M5051-01  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-1

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\82D112921S.M  
 Title : SW846 8260

Signal : TIC: VD071275.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         | 7.973       | 1024          | 1029        | 1040         | rVB      | 364317         | 824240        | 1.01%           | 0.126%        |
| 2         | 8.861       | 1169          | 1180        | 1190         | rBV      | 548203         | 1101068       | 1.35%           | 0.168%        |
| 3         | 10.338      | 1423          | 1431        | 1437         | rBV      | 872050         | 1614198       | 1.98%           | 0.247%        |
| 4         | 11.420      | 1607          | 1615        | 1626         | rVB5     | 341741         | 980247        | 1.21%           | 0.150%        |
| 5         | 11.638      | 1645          | 1652        | 1662         | rVV      | 911058         | 1620834       | 1.99%           | 0.248%        |
| 6         | 11.738      | 1662          | 1669        | 1674         | rVV      | 1070582        | 1828242       | 2.25%           | 0.279%        |
| 7         | 11.849      | 1678          | 1688        | 1697         | rVV      | 6031227        | 12271475      | 15.09%          | 1.874%        |
| 8         | 12.173      | 1731          | 1743        | 1750         | rBV      | 14330706       | 25091622      | 30.85%          | 3.832%        |
| 9         | 12.261      | 1750          | 1758        | 1763         | rVB      | 1737469        | 2775237       | 3.41%           | 0.424%        |
| 10        | 12.379      | 1763          | 1778        | 1785         | rBV4     | 2463314        | 8132906       | 10.00%          | 1.242%        |
| 11        | 12.479      | 1788          | 1795        | 1797         | rBV3     | 870804         | 1749374       | 2.15%           | 0.267%        |
| 12        | 12.549      | 1804          | 1807        | 1810         | rBV      | 1057540        | 1293434       | 1.59%           | 0.198%        |
| 13        | 12.626      | 1816          | 1820        | 1823         | rBV2     | 1064014        | 1694447       | 2.08%           | 0.259%        |
| 14        | 12.661      | 1823          | 1826        | 1830         | rVB      | 1325629        | 1699533       | 2.09%           | 0.260%        |
| 15        | 12.791      | 1843          | 1848        | 1855         | rVB2     | 1994660        | 4236111       | 5.21%           | 0.647%        |
| 16        | 12.873      | 1855          | 1862        | 1866         | rBV      | 12313090       | 21582177      | 26.53%          | 3.296%        |
| 17        | 12.908      | 1866          | 1868        | 1869         | rVV      | 5875111        | 5898627       | 7.25%           | 0.901%        |
| 18        | 12.949      | 1869          | 1875        | 1881         | rVV2     | 46083676       | 81344731      | 100.00%         | 12.424%       |
| 19        | 13.002      | 1881          | 1884        | 1889         | rVB3     | 1486782        | 2209609       | 2.72%           | 0.337%        |
| 20        | 13.114      | 1894          | 1903        | 1909         | rVV      | 5924866        | 14514600      | 17.84%          | 2.217%        |
| 21        | 13.173      | 1909          | 1913        | 1920         | rVV      | 6854168        | 12305557      | 15.13%          | 1.879%        |
| 22        | 13.261      | 1921          | 1928        | 1933         | rVV      | 33102671       | 52904320      | 65.04%          | 8.080%        |
| 23        | 13.302      | 1933          | 1935        | 1940         | rVV2     | 2211285        | 3977486       | 4.89%           | 0.607%        |
| 24        | 13.355      | 1940          | 1944        | 1947         | rVV3     | 2297892        | 4495595       | 5.53%           | 0.687%        |
| 25        | 13.391      | 1947          | 1950        | 1954         | rVV2     | 2347342        | 4113278       | 5.06%           | 0.628%        |
| 26        | 13.455      | 1954          | 1961        | 1963         | rVV2     | 7750525        | 15793202      | 19.42%          | 2.412%        |
| 27        | 13.485      | 1963          | 1966        | 1976         | rVV4     | 10725523       | 26265832      | 32.29%          | 4.012%        |
| 28        | 13.596      | 1976          | 1985        | 1990         | rVV      | 26797442       | 50263683      | 61.79%          | 7.677%        |
| 29        | 13.632      | 1990          | 1991        | 1999         | rVV2     | 3476308        | 4864468       | 5.98%           | 0.743%        |
| 30        | 13.726      | 1999          | 2007        | 2008         | rVV7     | 2490548        | 5470841       | 6.73%           | 0.836%        |
| 31        | 13.761      | 2008          | 2013        | 2017         | rVV2     | 15800452       | 30573077      | 37.58%          | 4.669%        |
| 32        | 13.796      | 2017          | 2019        | 2028         | rVV2     | 9055844        | 15839770      | 19.47%          | 2.419%        |
| 33        | 13.885      | 2028          | 2034        | 2039         | rVV      | 22315873       | 34765627      | 42.74%          | 5.310%        |
| 34        | 13.949      | 2039          | 2045        | 2051         | rVV2     | 9978859        | 22412462      | 27.55%          | 3.423%        |
| 35        | 14.020      | 2053          | 2057        | 2059         | rVV      | 5140414        | 8649949       | 10.63%          | 1.321%        |
| 36        | 14.049      | 2059          | 2062        | 2066         | rVV2     | 6193878        | 10517769      | 12.93%          | 1.606%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
 Data File : VD071275.D  
 Acq On : 11 Dec 2021 17:44  
 Operator : VA/SY  
 Sample : M5051-01  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-1

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\82D112921S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 37 | 14.102 | 2066 | 2071 | 2076 | rVV  | 7976230  | 14116817 | 17.35% | 2.156% |
| 38 | 14.143 | 2076 | 2078 | 2084 | rVV2 | 1851022  | 4048705  | 4.98%  | 0.618% |
| 39 | 14.214 | 2084 | 2090 | 2095 | rVV2 | 5571437  | 10577907 | 13.00% | 1.616% |
| 40 | 14.279 | 2095 | 2101 | 2107 | rVV6 | 1509783  | 4752762  | 5.84%  | 0.726% |
| 41 | 14.349 | 2107 | 2113 | 2117 | rVV3 | 3096394  | 6858956  | 8.43%  | 1.048% |
| 42 | 14.396 | 2117 | 2121 | 2124 | rVV3 | 5252573  | 10094948 | 12.41% | 1.542% |
| 43 | 14.426 | 2124 | 2126 | 2130 | rVV2 | 5312661  | 8895461  | 10.94% | 1.359% |
| 44 | 14.467 | 2130 | 2133 | 2136 | rVV  | 7135070  | 10920242 | 13.42% | 1.668% |
| 45 | 14.502 | 2137 | 2139 | 2144 | rVV2 | 4082753  | 6167183  | 7.58%  | 0.942% |
| 46 | 14.555 | 2144 | 2148 | 2155 | rVB3 | 1936366  | 3713177  | 4.56%  | 0.567% |
| 47 | 14.649 | 2160 | 2164 | 2168 | rVB2 | 1138490  | 1667855  | 2.05%  | 0.255% |
| 48 | 14.696 | 2168 | 2172 | 2175 | rBV  | 1509859  | 2405442  | 2.96%  | 0.367% |
| 49 | 14.738 | 2175 | 2179 | 2184 | rVB2 | 4095586  | 6172839  | 7.59%  | 0.943% |
| 50 | 14.802 | 2184 | 2190 | 2197 | rBV2 | 8014328  | 16484184 | 20.26% | 2.518% |
| 51 | 14.967 | 2214 | 2218 | 2225 | rVB  | 1358254  | 2071227  | 2.55%  | 0.316% |
| 52 | 15.079 | 2233 | 2237 | 2241 | rBV3 | 736023   | 1220602  | 1.50%  | 0.186% |
| 53 | 15.185 | 2250 | 2255 | 2262 | rVB3 | 848817   | 1762871  | 2.17%  | 0.269% |
| 54 | 15.385 | 2277 | 2289 | 2300 | rVV  | 21418893 | 40319377 | 49.57% | 6.158% |
| 55 | 15.485 | 2300 | 2306 | 2313 | rVB2 | 854767   | 1579951  | 1.94%  | 0.241% |
| 56 | 15.579 | 2318 | 2322 | 2331 | rVB2 | 525841   | 988112   | 1.21%  | 0.151% |
| 57 | 16.473 | 2467 | 2474 | 2482 | rBV  | 1297406  | 2766621  | 3.40%  | 0.423% |
| 58 | 16.679 | 2500 | 2509 | 2523 | rVB  | 655074   | 1492351  | 1.83%  | 0.228% |

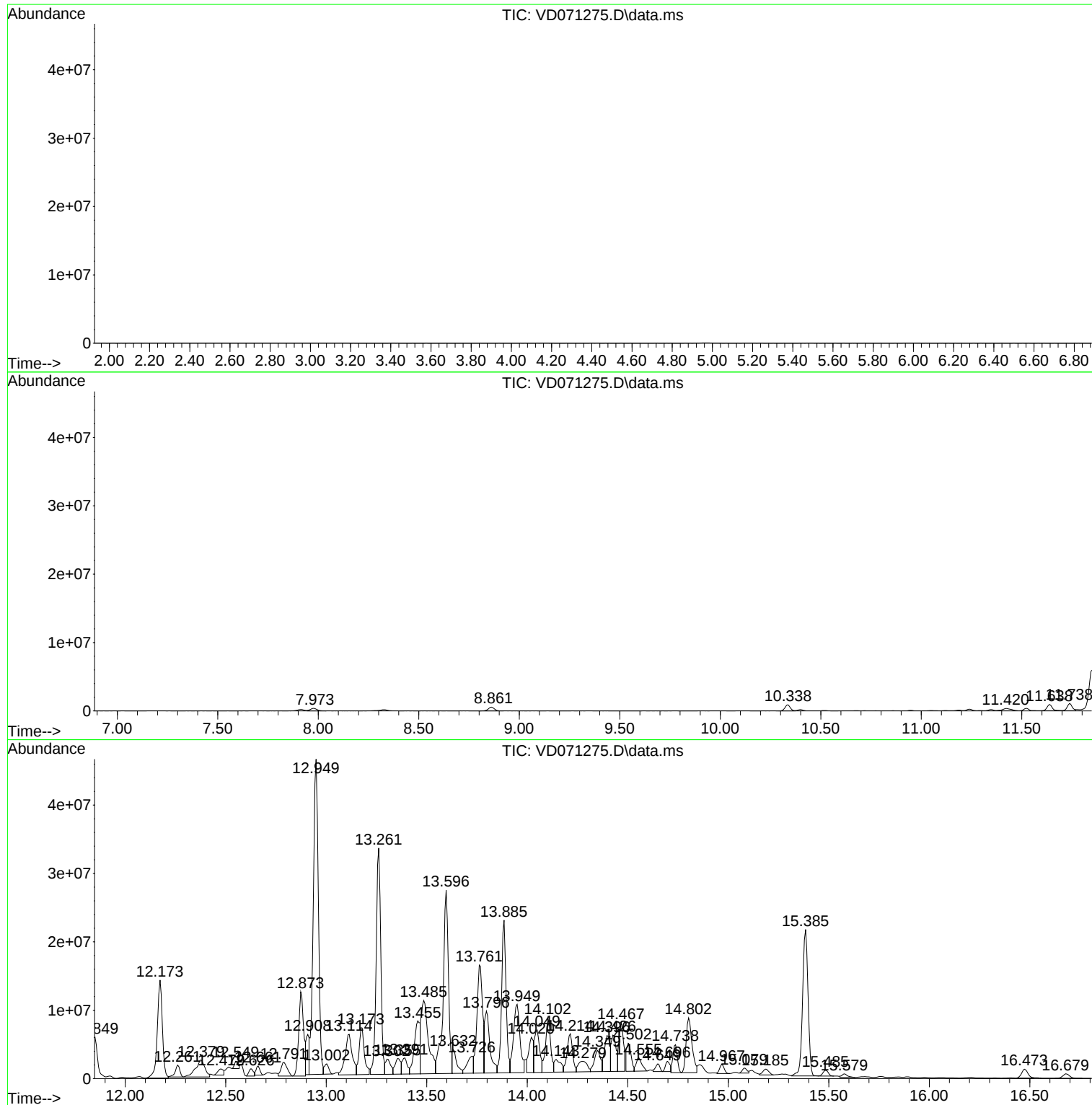
Sum of corrected areas: 654753218

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

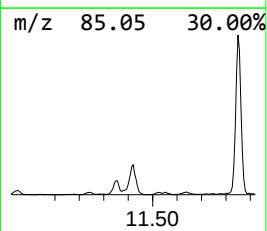
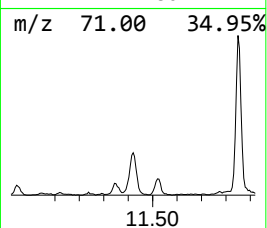
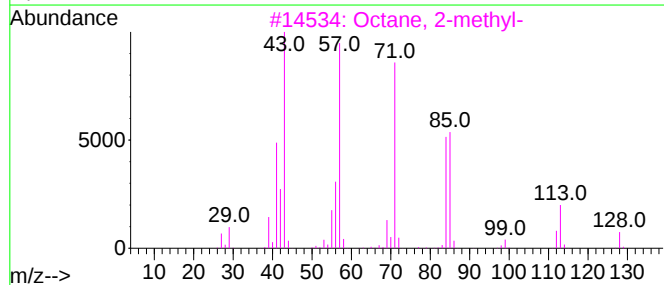
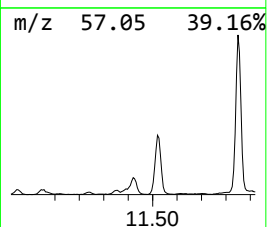
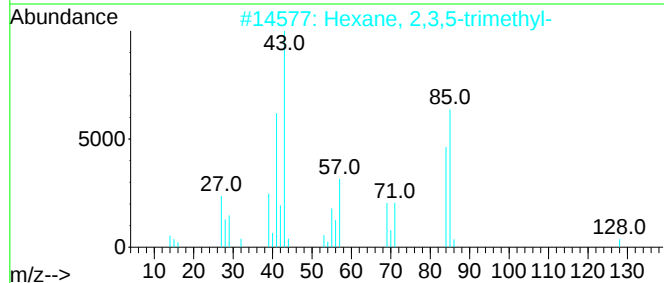
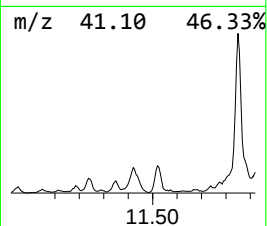
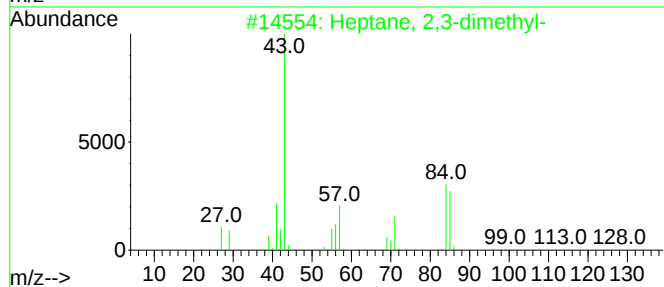
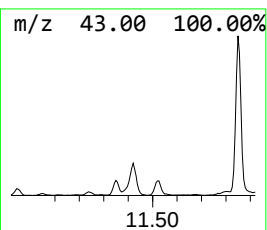
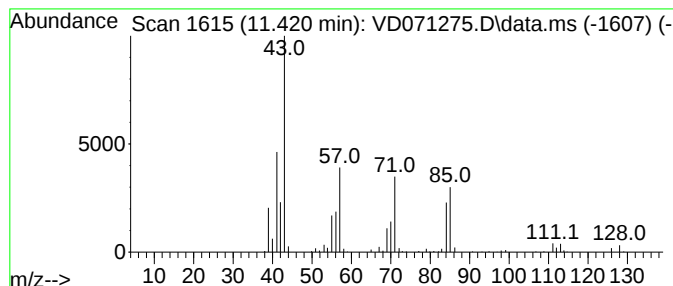
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Heptane, 2,3-dimethyl- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.420 | 30.24 ug/l | 980247 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 2,3-dimethyl-   | 128 | C9H20   | 003074-71-3 | 53   |
| 2    |    |   | Hexane, 2,3,5-trimethyl- | 128 | C9H20   | 001069-53-0 | 53   |
| 3    |    |   | Octane, 2-methyl-        | 128 | C9H20   | 003221-61-2 | 53   |
| 4    |    |   | Octane                   | 114 | C8H18   | 000111-65-9 | 50   |
| 5    |    |   | Heptane, 2,4-dimethyl-   | 128 | C9H20   | 002213-23-2 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

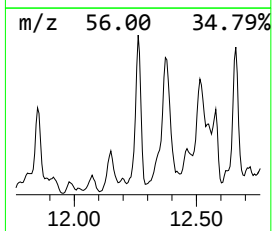
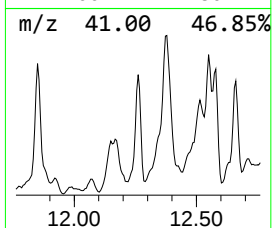
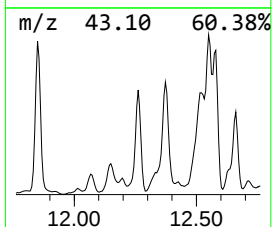
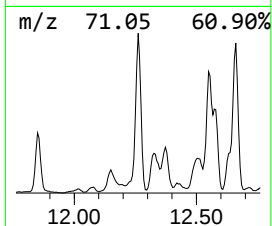
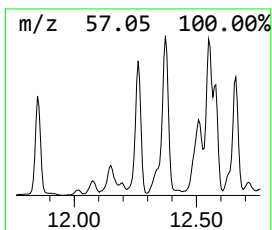
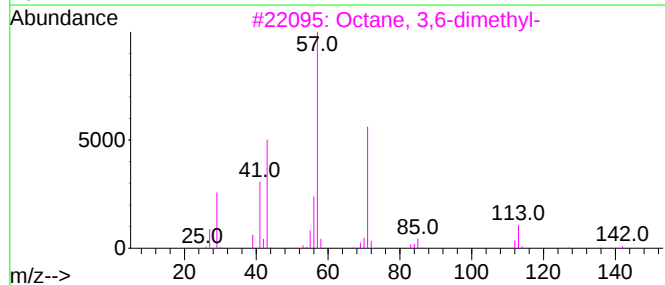
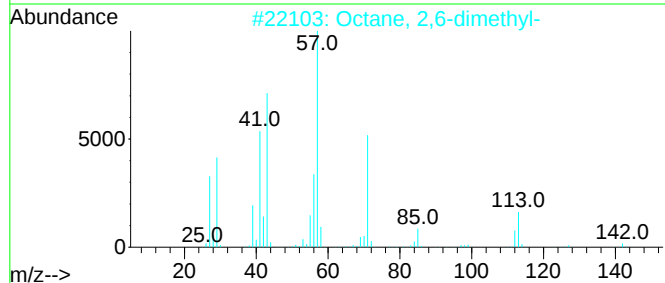
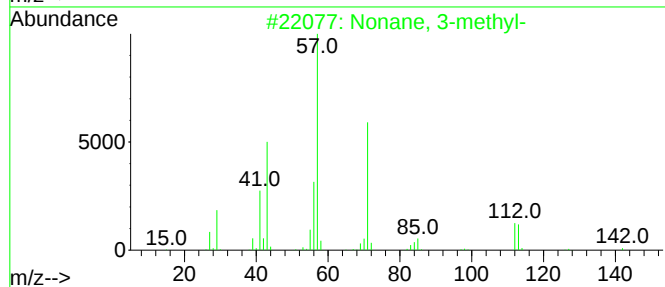
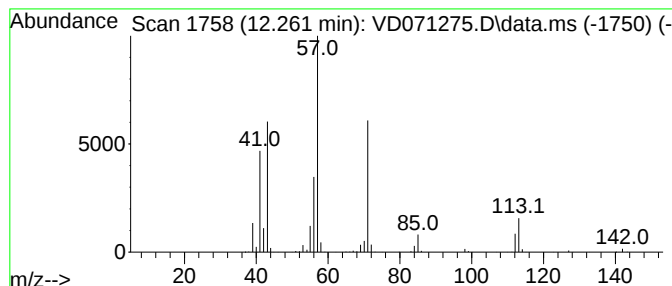
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Nonane, 3-methyl- Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 12.261 | 85.61 ug/l | 2775240 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 91   |
| 2    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 91   |
| 3    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 90   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl iso... | 250 | C12H26O3S | 1000309-18-7 | 59   |
| 5    |    |   | Oxalic acid, isobutyl pentyl ester  | 216 | C11H20O4  | 1000309-37-0 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

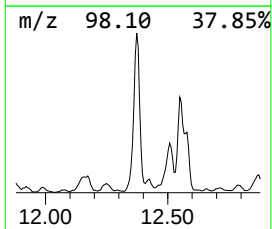
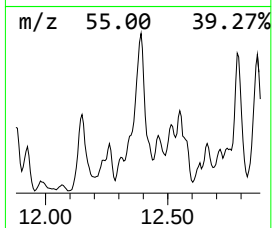
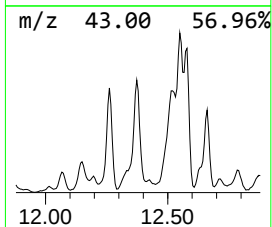
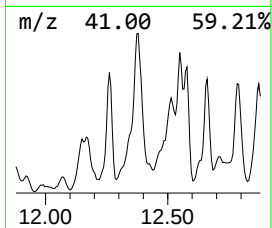
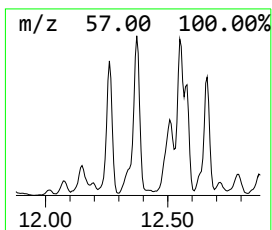
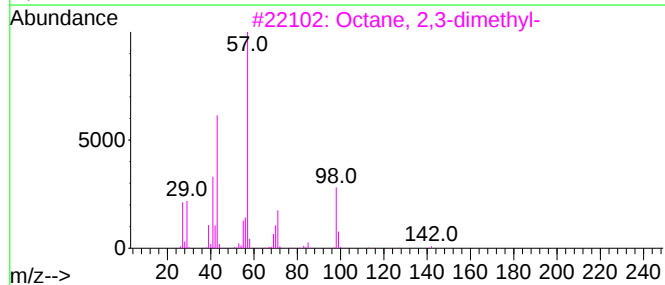
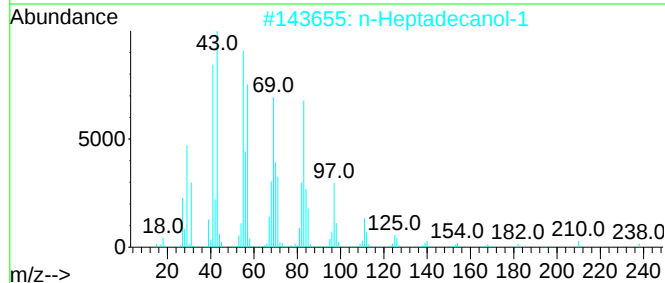
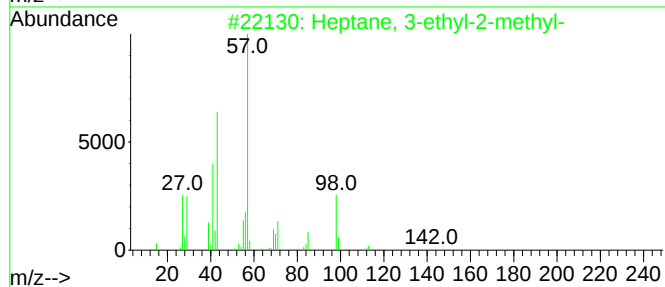
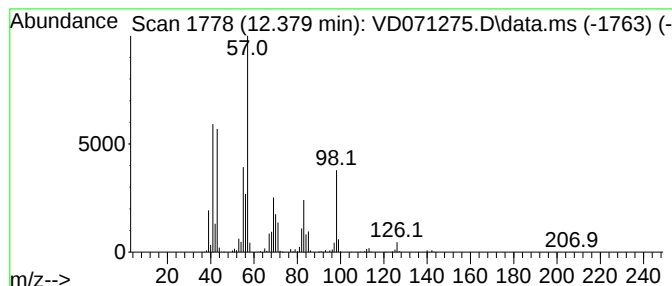
\*\*\*\*\*

Peak Number 3 unknown12.379 Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 12.379 | 250.89 ug/l | 8132910 | Chlorobenzene-d5 | 11.638 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | Heptane, 3-ethyl-2-methyl-          | 142 | C10H22       | 014676-29-0  | 46      |      |      |
| 2    | n-Heptadecanol-1                    | 256 | C17H36O      | 001454-85-9  | 43      |      |      |
| 3    | Octane, 2,3-dimethyl-               | 142 | C10H22       | 007146-60-3  | 38      |      |      |
| 4    | 2-Propyl-1-pentanol, chlorodiflu... | 242 | C10H17ClF2O2 | 1000447-27-3 | 35      |      |      |
| 5    | Hexane, 4-ethyl-2,2-dimethyl-       | 142 | C10H22       | 052896-99-8  | 35      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

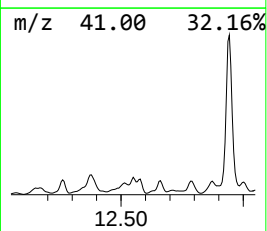
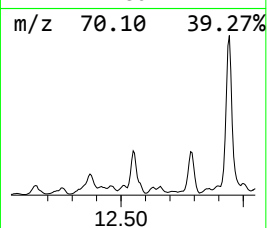
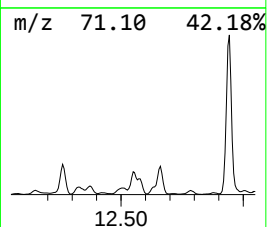
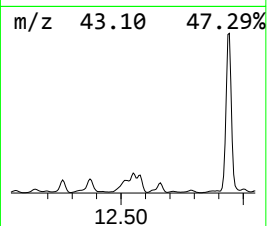
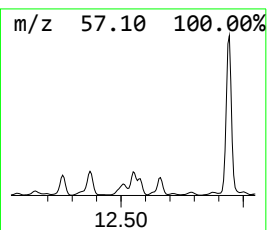
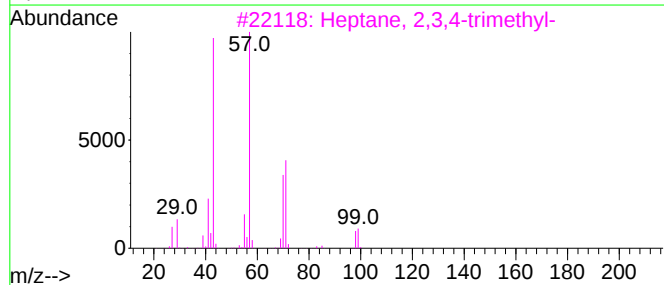
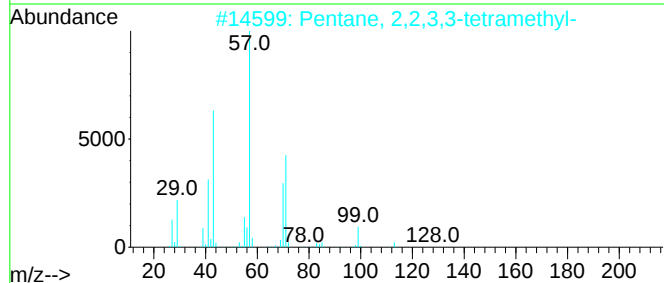
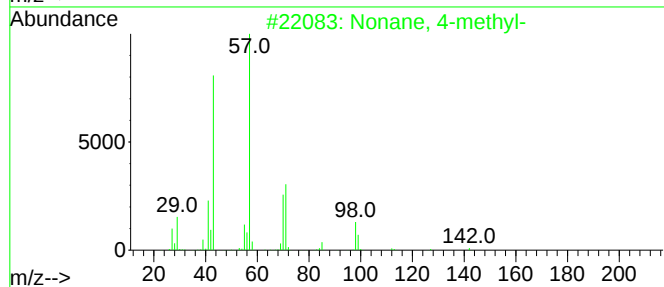
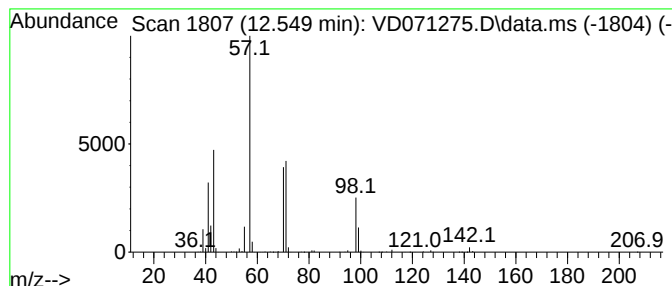
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Nonane, 4-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 12.549 | 39.90 ug/l | 1293430 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonane, 4-methyl-             | 142 | C10H22  | 017301-94-9 | 83   |
| 2    |    |   | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20   | 007154-79-2 | 59   |
| 3    |    |   | Heptane, 2,3,4-trimethyl-     | 142 | C10H22  | 052896-95-4 | 56   |
| 4    |    |   | Octane, 3,5-dimethyl-         | 142 | C10H22  | 015869-93-9 | 53   |
| 5    |    |   | Octane, 2,5-dimethyl-         | 142 | C10H22  | 015869-89-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

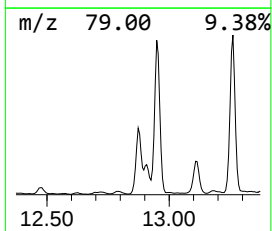
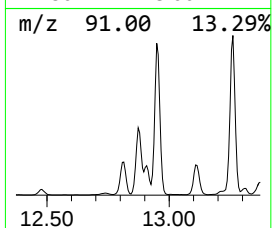
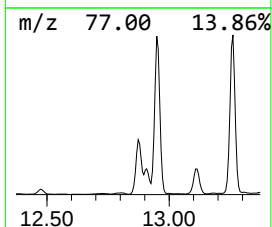
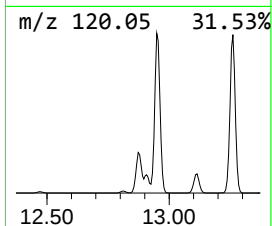
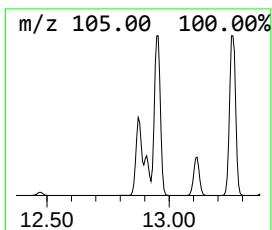
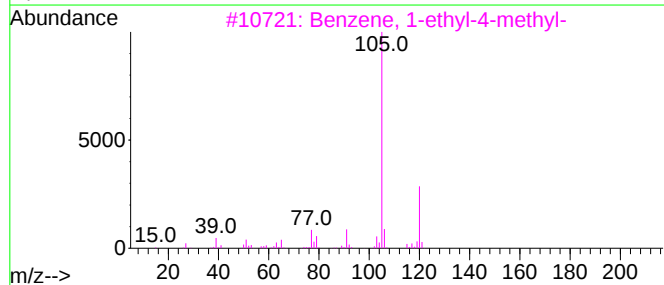
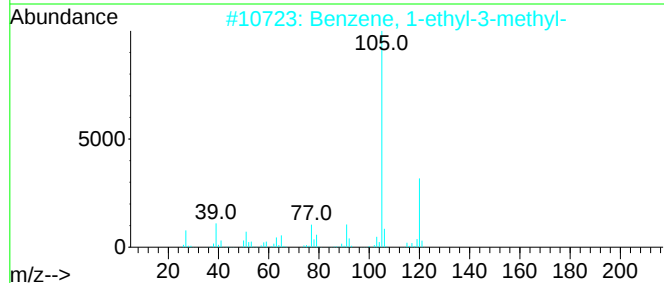
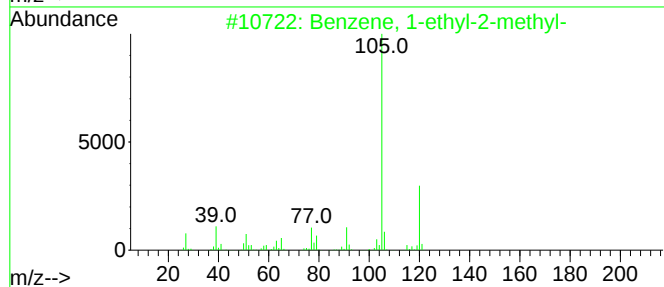
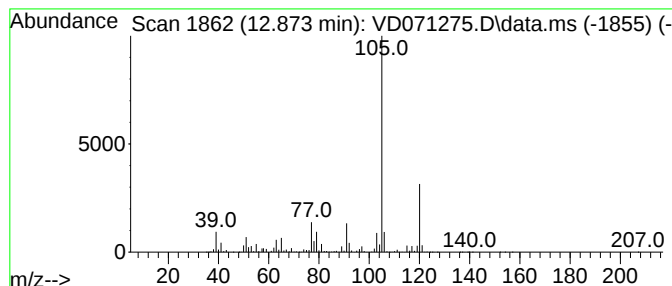
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T.   | EstConc    | Area     | Relative to ISTD       | R.T.   |
|--------|------------|----------|------------------------|--------|
| 12.873 | 21.47 ug/l | 21582200 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

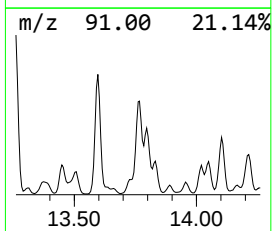
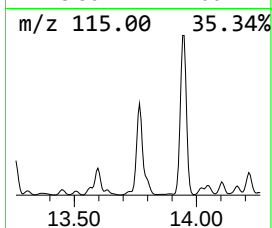
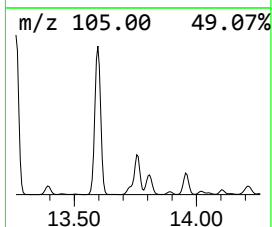
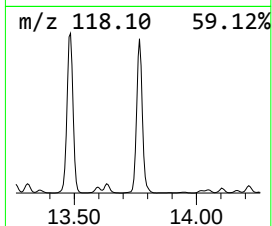
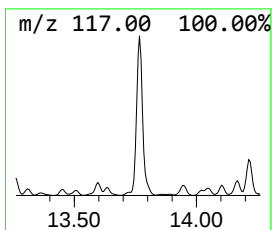
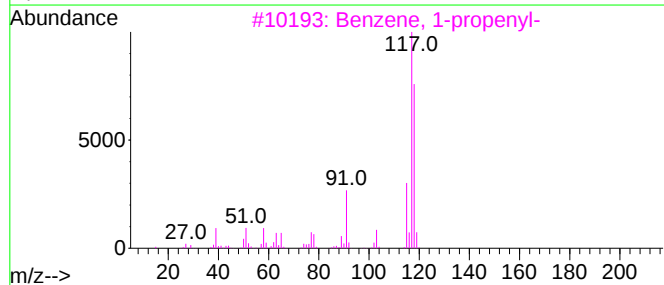
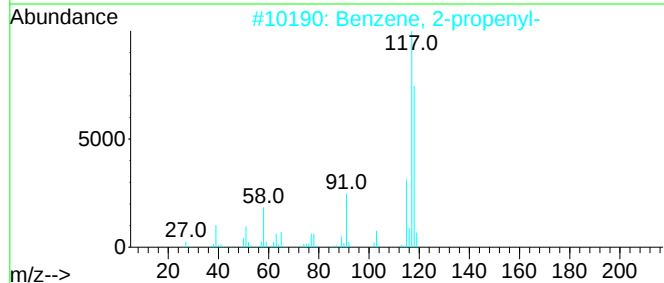
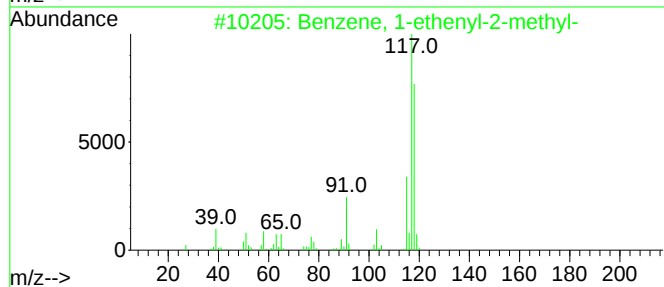
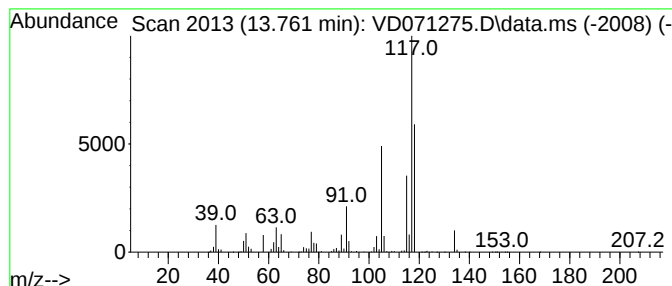
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 6 Benzene, 1-ethenyl-2-methyl- Concentration Rank 5

| R.T.   | EstConc    | Area     | Relative to ISTD       | R.T.   |
|--------|------------|----------|------------------------|--------|
| 13.761 | 30.41 ug/l | 30573100 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, 1-ethenyl-2-methyl-        | 118 | C9H10   | 000611-15-4  | 76   |
| 2    |    |   | Benzene, 2-propenyl-                | 118 | C9H10   | 000300-57-2  | 76   |
| 3    |    |   | Benzene, 1-propenyl-                | 118 | C9H10   | 000637-50-3  | 76   |
| 4    |    |   | Benzene, cyclopropyl-               | 118 | C9H10   | 000873-49-4  | 76   |
| 5    |    |   | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10   | 1000191-13-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

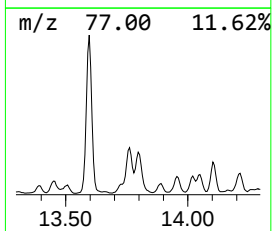
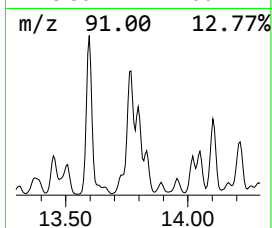
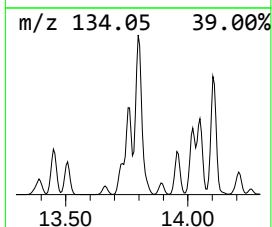
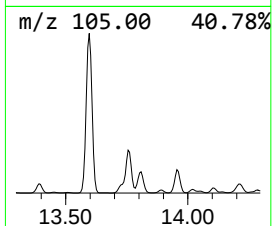
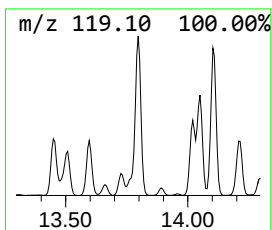
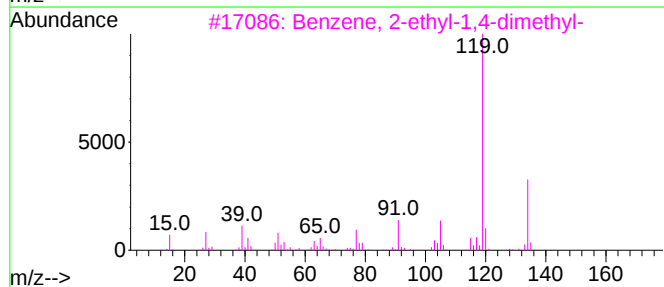
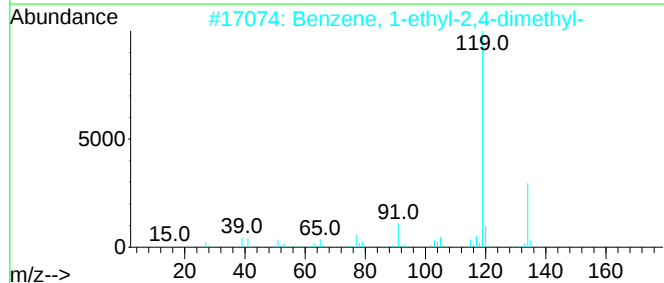
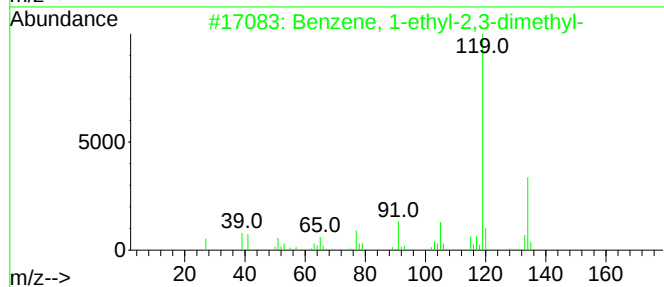
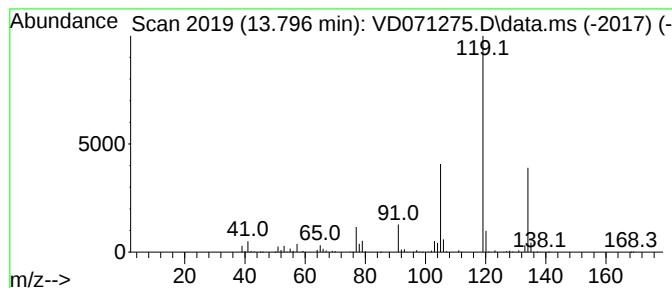
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

| R.T.   | EstConc    | Area     | Relative to ISTD       | R.T.   |
|--------|------------|----------|------------------------|--------|
| 13.796 | 15.76 ug/l | 15839800 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 91   |
| 2    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 91   |
| 3    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |
| 4    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 90   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

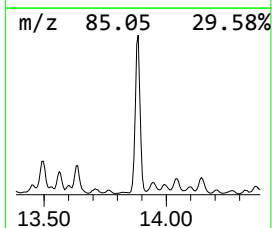
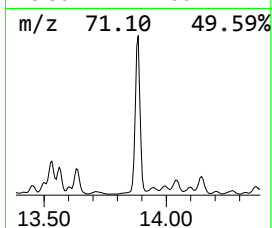
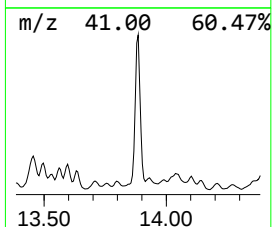
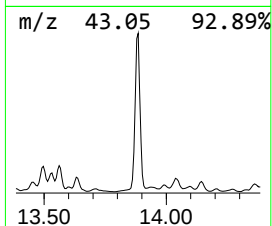
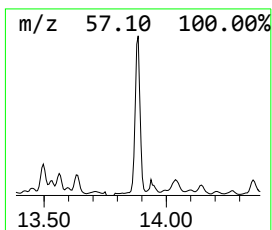
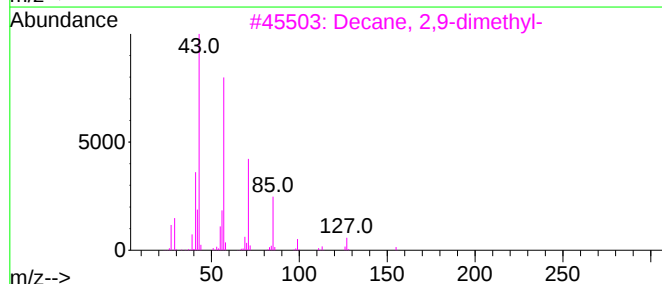
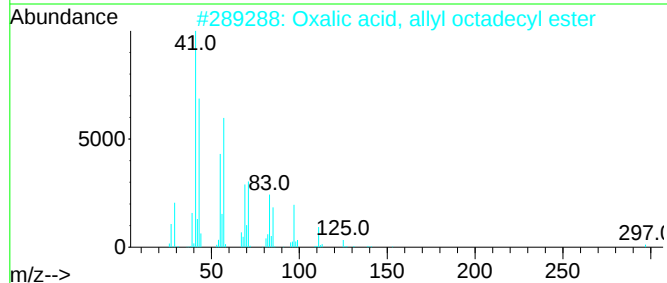
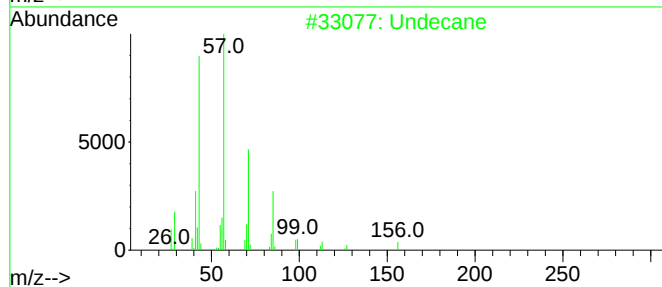
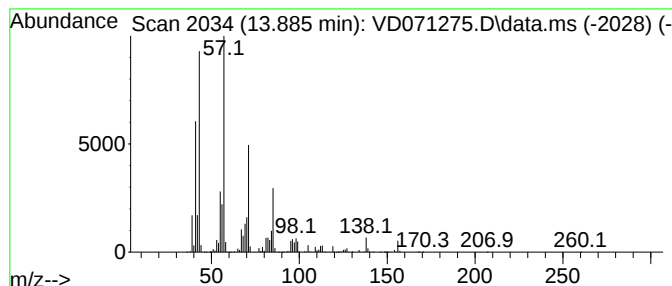
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 8 Undecane Concentration Rank 4

| R.T.   | EstConc    | Area     | Relative to ISTD       | R.T.   |
|--------|------------|----------|------------------------|--------|
| 13.885 | 34.58 ug/l | 34765600 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of                                 | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|------------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Undecane                           |   |              | 156 | C11H24   | 001120-21-4  | 94   |
| 2    | Oxalic acid, allyl octadecyl ester |   |              | 382 | C23H42O4 | 1000309-24-5 | 72   |
| 3    | Decane, 2,9-dimethyl-              |   |              | 170 | C12H26   | 001002-17-1  | 64   |
| 4    | Decane                             |   |              | 142 | C10H22   | 000124-18-5  | 64   |
| 5    | Tridecane                          |   |              | 184 | C13H28   | 000629-50-5  | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

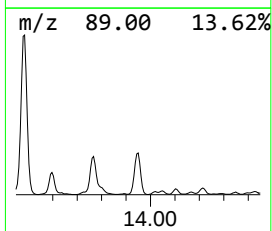
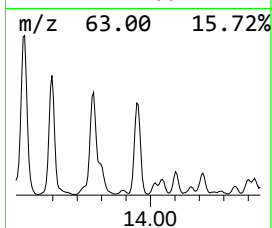
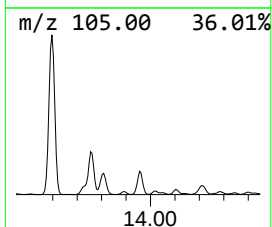
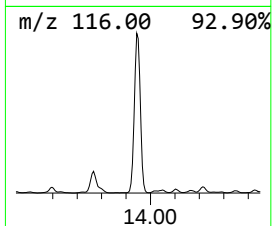
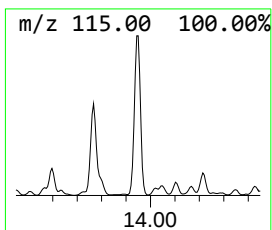
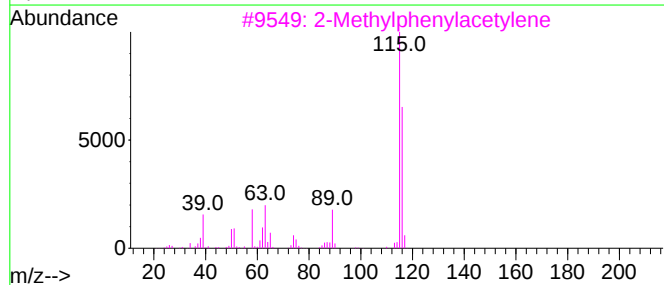
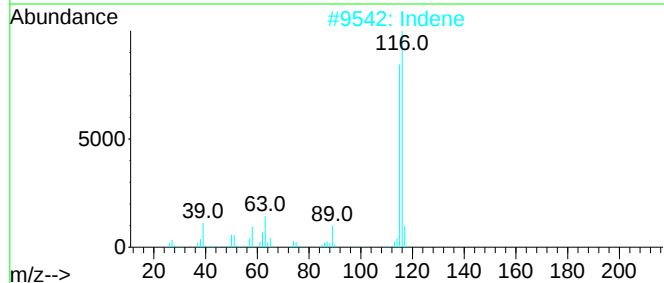
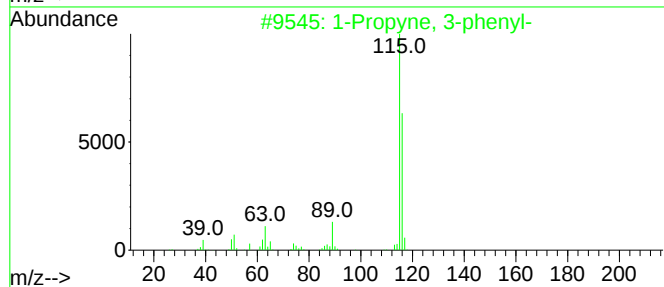
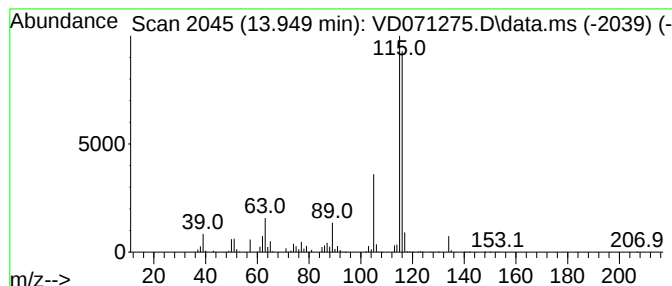
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 1-Propyne, 3-phenyl- Concentration Rank 7

| R.T.   | EstConc    | Area     | Relative to ISTD       | R.T.   |
|--------|------------|----------|------------------------|--------|
| 13.949 | 22.29 ug/l | 22412500 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | 1-Propyne, 3-phenyl-    | 116 | C9H8    | 010147-11-2 | 94   |
| 2    |      | Indene                  | 116 | C9H8    | 000095-13-6 | 93   |
| 3    |      | 2-Methylphenylacetylene | 116 | C9H8    | 000766-47-2 | 87   |
| 4    |      | Benzene, 1-propynyl-    | 116 | C9H8    | 000673-32-5 | 87   |
| 5    |      | 3-Methylphenylacetylene | 116 | C9H8    | 000766-82-5 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

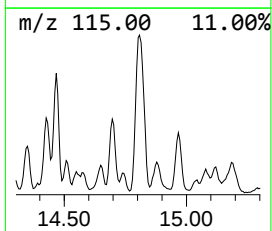
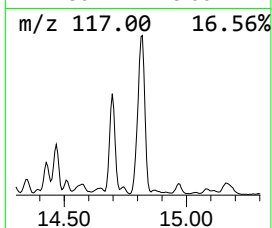
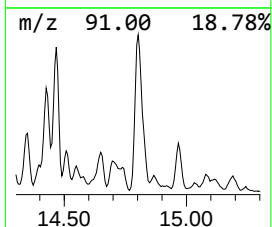
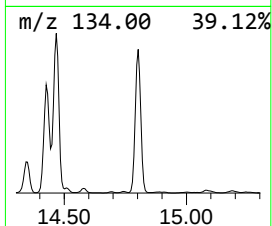
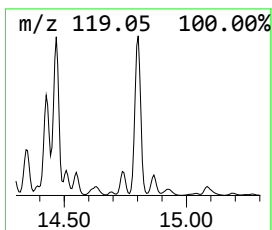
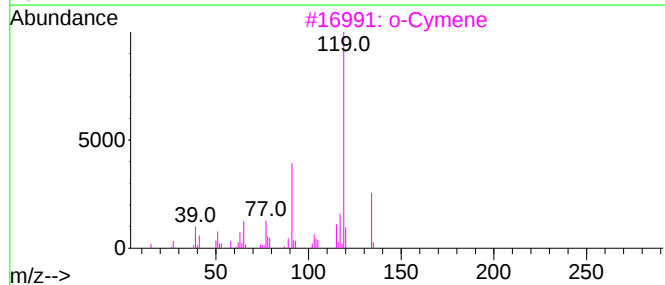
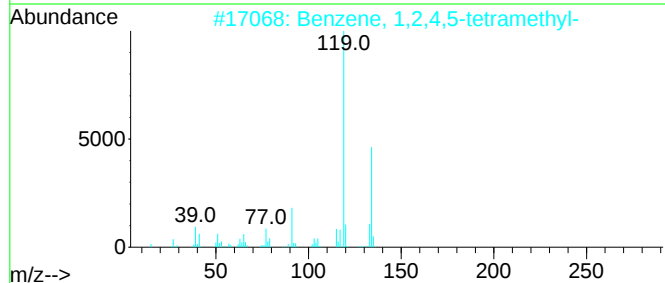
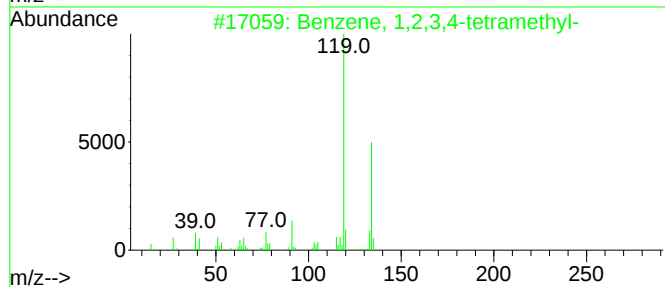
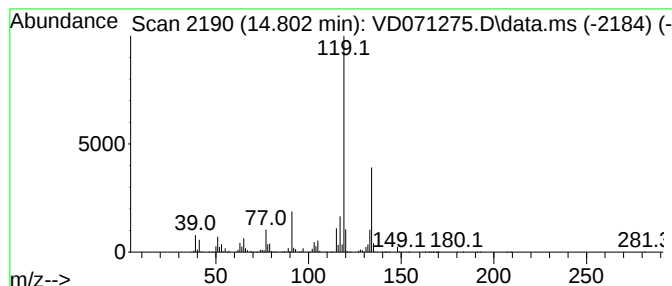
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

| R.T.   | EstConc    | Area     | Relative to ISTD       | R.T.   |
|--------|------------|----------|------------------------|--------|
| 14.802 | 16.40 ug/l | 16484200 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 94   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 94   |
| 3    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 93   |
| 4    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |
| 5    |    |   | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121121\  
Data File : VD071275.D  
Acq On : 11 Dec 2021 17:44  
Operator : VA/SY  
Sample : M5051-01  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.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 |
| Heptane, 2,3-di... | 11.420 | 30.2    | ug/l  | 980247   | 3                     | 11.638 | 1620830  | 50.0 |
| Nonane, 3-methyl-  | 12.261 | 85.6    | ug/l  | 2775240  | 3                     | 11.638 | 1620830  | 50.0 |
| unknown12.379      | 12.379 | 250.9   | ug/l  | 8132910  | 3                     | 11.638 | 1620830  | 50.0 |
| Nonane, 4-methyl-  | 12.549 | 39.9    | ug/l  | 1293430  | 3                     | 11.638 | 1620830  | 50.0 |
| Benzene, 1-ethy... | 12.873 | 21.5    | ug/l  | 21582200 | 4                     | 13.561 | 50263700 | 50.0 |
| Benzene, 1-ethe... | 13.761 | 30.4    | ug/l  | 30573100 | 4                     | 13.561 | 50263700 | 50.0 |
| Benzene, 1-ethy... | 13.796 | 15.8    | ug/l  | 15839800 | 4                     | 13.561 | 50263700 | 50.0 |
| Undecane           | 13.885 | 34.6    | ug/l  | 34765600 | 4                     | 13.561 | 50263700 | 50.0 |
| 1-Propyne, 3-ph... | 13.949 | 22.3    | ug/l  | 22412500 | 4                     | 13.561 | 50263700 | 50.0 |
| Benzene, 1,2,3,... | 14.802 | 16.4    | ug/l  | 16484200 | 4                     | 13.561 | 50263700 | 50.0 |