

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
 Data File : VY007580.D  
 Acq On : 22 Feb 2022 14:08  
 Operator : SY/MD  
 Sample : N1600-07RE  
 Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C0AA8RE

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\82Y022122S.M  
 Title : SW846 8260

Signal : TIC: VY007580.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         | 7.716       | 958           | 967         | 973          | rBV2     | 6263           | 14347         | 26.19%          | 2.799%        |
| 2         | 7.795       | 973           | 980         | 988          | rVB2     | 12136          | 26432         | 48.26%          | 5.157%        |
| 3         | 8.142       | 1028          | 1037        | 1045         | rBB4     | 5894           | 13069         | 23.86%          | 2.550%        |
| 4         | 8.551       | 1102          | 1104        | 1110         | rBV      | 402            | 799           | 1.46%           | 0.156%        |
| 5         | 8.691       | 1120          | 1127        | 1136         | rBV      | 17628          | 33925         | 61.94%          | 6.619%        |
| 6         | 8.752       | 1136          | 1137        | 1141         | rVV2     | 609            | 560           | 1.02%           | 0.109%        |
| 7         | 8.819       | 1144          | 1148        | 1150         | rVB4     | 952            | 908           | 1.66%           | 0.177%        |
| 8         | 8.886       | 1156          | 1159        | 1161         | rBV3     | 708            | 875           | 1.60%           | 0.171%        |
| 9         | 8.923       | 1161          | 1165        | 1167         | rVV4     | 1124           | 1169          | 2.13%           | 0.228%        |
| 10        | 8.972       | 1170          | 1173        | 1177         | rVB4     | 450            | 668           | 1.22%           | 0.130%        |
| 11        | 9.008       | 1177          | 1179        | 1184         | rVB5     | 1153           | 1487          | 2.71%           | 0.290%        |
| 12        | 9.069       | 1184          | 1189        | 1192         | rBV5     | 954            | 1960          | 3.58%           | 0.382%        |
| 13        | 9.136       | 1197          | 1200        | 1203         | rBV4     | 697            | 1003          | 1.83%           | 0.196%        |
| 14        | 9.167       | 1203          | 1205        | 1207         | rBV2     | 1135           | 1280          | 2.34%           | 0.250%        |
| 15        | 9.264       | 1219          | 1221        | 1223         | rBV3     | 759            | 772           | 1.41%           | 0.151%        |
| 16        | 9.301       | 1223          | 1227        | 1228         | rBV3     | 884            | 1377          | 2.51%           | 0.269%        |
| 17        | 9.331       | 1230          | 1232        | 1233         | rBV2     | 1130           | 963           | 1.76%           | 0.188%        |
| 18        | 9.380       | 1236          | 1240        | 1241         | rBV4     | 1270           | 1435          | 2.62%           | 0.280%        |
| 19        | 9.404       | 1241          | 1244        | 1245         | rBV2     | 1613           | 1864          | 3.40%           | 0.364%        |
| 20        | 9.545       | 1265          | 1267        | 1269         | rBV3     | 1808           | 1467          | 2.68%           | 0.286%        |
| 21        | 10.069      | 1351          | 1353        | 1354         | rBV2     | 1196           | 828           | 1.51%           | 0.162%        |
| 22        | 10.179      | 1364          | 1371        | 1379         | rBV      | 27245          | 54770         | 100.00%         | 10.685%       |
| 23        | 10.301      | 1390          | 1391        | 1395         | rBV3     | 1835           | 2254          | 4.12%           | 0.440%        |
| 24        | 10.508      | 1423          | 1425        | 1426         | rBV2     | 1674           | 1155          | 2.11%           | 0.225%        |
| 25        | 10.593      | 1437          | 1439        | 1441         | rVB3     | 1641           | 1108          | 2.02%           | 0.216%        |
| 26        | 10.959      | 1497          | 1499        | 1500         | rBV2     | 1597           | 1093          | 2.00%           | 0.213%        |
| 27        | 11.489      | 1581          | 1586        | 1591         | rVB      | 24838          | 42356         | 77.33%          | 8.263%        |
| 28        | 12.477      | 1745          | 1748        | 1754         | rVB4     | 19396          | 28868         | 52.71%          | 5.632%        |
| 29        | 12.629      | 1770          | 1773        | 1780         | rVB8     | 9075           | 21547         | 39.34%          | 4.204%        |
| 30        | 13.276      | 1877          | 1879        | 1881         | rBV2     | 3410           | 2980          | 5.44%           | 0.581%        |
| 31        | 13.422      | 1899          | 1903        | 1911         | rVB      | 27766          | 52361         | 95.60%          | 10.215%       |
| 32        | 13.751      | 1953          | 1957        | 1961         | rBV6     | 11195          | 20904         | 38.17%          | 4.078%        |
| 33        | 13.891      | 1977          | 1980        | 1981         | rBV3     | 3255           | 4243          | 7.75%           | 0.828%        |
| 34        | 14.074      | 2007          | 2010        | 2011         | rBV3     | 5030           | 5623          | 10.27%          | 1.097%        |
| 35        | 14.373      | 2057          | 2059        | 2060         | rBV2     | 1960           | 1439          | 2.63%           | 0.281%        |
| 36        | 14.422      | 2064          | 2067        | 2068         | rBV2     | 4263           | 4533          | 8.28%           | 0.884%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
 Data File : VY007580.D  
 Acq On : 22 Feb 2022 14:08  
 Operator : SY/MD  
 Sample : N1600-07RE  
 Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C0AA8RE

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\82Y022122S.M  
 Title : SW846 8260

|    |        |      |      |      |       |      |       |        |        |
|----|--------|------|------|------|-------|------|-------|--------|--------|
| 37 | 14.532 | 2081 | 2085 | 2086 | rBV4  | 4076 | 4849  | 8.85%  | 0.946% |
| 38 | 14.611 | 2095 | 2098 | 2101 | rBV4  | 5828 | 7726  | 14.11% | 1.507% |
| 39 | 14.836 | 2132 | 2135 | 2140 | rBV7  | 3232 | 6039  | 11.03% | 1.178% |
| 40 | 14.934 | 2149 | 2151 | 2155 | rVB5  | 4000 | 4814  | 8.79%  | 0.939% |
| 41 | 14.977 | 2156 | 2158 | 2161 | rVB4  | 2026 | 1571  | 2.87%  | 0.306% |
| 42 | 15.050 | 2163 | 2170 | 2171 | rBV6  | 6902 | 11800 | 21.54% | 2.302% |
| 43 | 15.202 | 2193 | 2195 | 2196 | rBV2  | 1743 | 1588  | 2.90%  | 0.310% |
| 44 | 15.288 | 2207 | 2209 | 2213 | rVB4  | 4041 | 4818  | 8.80%  | 0.940% |
| 45 | 15.349 | 2213 | 2219 | 2220 | rBV5  | 2966 | 4570  | 8.34%  | 0.892% |
| 46 | 15.434 | 2229 | 2233 | 2238 | rVB6  | 8902 | 13604 | 24.84% | 2.654% |
| 47 | 15.519 | 2243 | 2247 | 2256 | rVB10 | 4099 | 10151 | 18.53% | 1.980% |
| 48 | 15.598 | 2256 | 2260 | 2261 | rBV4  | 2869 | 3752  | 6.85%  | 0.732% |
| 49 | 15.659 | 2268 | 2270 | 2272 | rBV3  | 1114 | 1031  | 1.88%  | 0.201% |
| 50 | 15.726 | 2277 | 2281 | 2292 | rVB10 | 7945 | 16147 | 29.48% | 3.150% |
| 51 | 15.812 | 2292 | 2295 | 2299 | rBV6  | 1501 | 2495  | 4.56%  | 0.487% |
| 52 | 15.885 | 2302 | 2307 | 2312 | rBV8  | 3774 | 7074  | 12.92% | 1.380% |
| 53 | 16.031 | 2325 | 2331 | 2336 | rBV7  | 5438 | 10896 | 19.89% | 2.126% |
| 54 | 16.086 | 2336 | 2340 | 2343 | rBV5  | 2104 | 2748  | 5.02%  | 0.536% |
| 55 | 16.147 | 2346 | 2350 | 2352 | rBV4  | 1435 | 2058  | 3.76%  | 0.402% |
| 56 | 16.202 | 2355 | 2359 | 2360 | rBV4  | 2153 | 2885  | 5.27%  | 0.563% |
| 57 | 16.226 | 2360 | 2363 | 2370 | rVB5  | 6273 | 11277 | 20.59% | 2.200% |
| 58 | 16.281 | 2370 | 2372 | 2379 | rVB7  | 2071 | 3862  | 7.05%  | 0.753% |
| 59 | 16.354 | 2379 | 2384 | 2396 | rVB8  | 4585 | 11232 | 20.51% | 2.191% |
| 60 | 16.470 | 2399 | 2403 | 2404 | rBV4  | 1884 | 2134  | 3.90%  | 0.416% |
| 61 | 16.537 | 2413 | 2414 | 2421 | rVB7  | 2333 | 2857  | 5.22%  | 0.557% |
| 62 | 16.592 | 2421 | 2423 | 2424 | rVV2  | 746  | 552   | 1.01%  | 0.108% |
| 63 | 16.623 | 2424 | 2428 | 2433 | rVV7  | 2520 | 4737  | 8.65%  | 0.924% |
| 64 | 16.690 | 2436 | 2439 | 2442 | rVB5  | 1027 | 1318  | 2.41%  | 0.257% |
| 65 | 16.714 | 2442 | 2443 | 2445 | rVB2  | 1360 | 836   | 1.53%  | 0.163% |
| 66 | 16.738 | 2445 | 2447 | 2448 | rBV2  | 979  | 733   | 1.34%  | 0.143% |

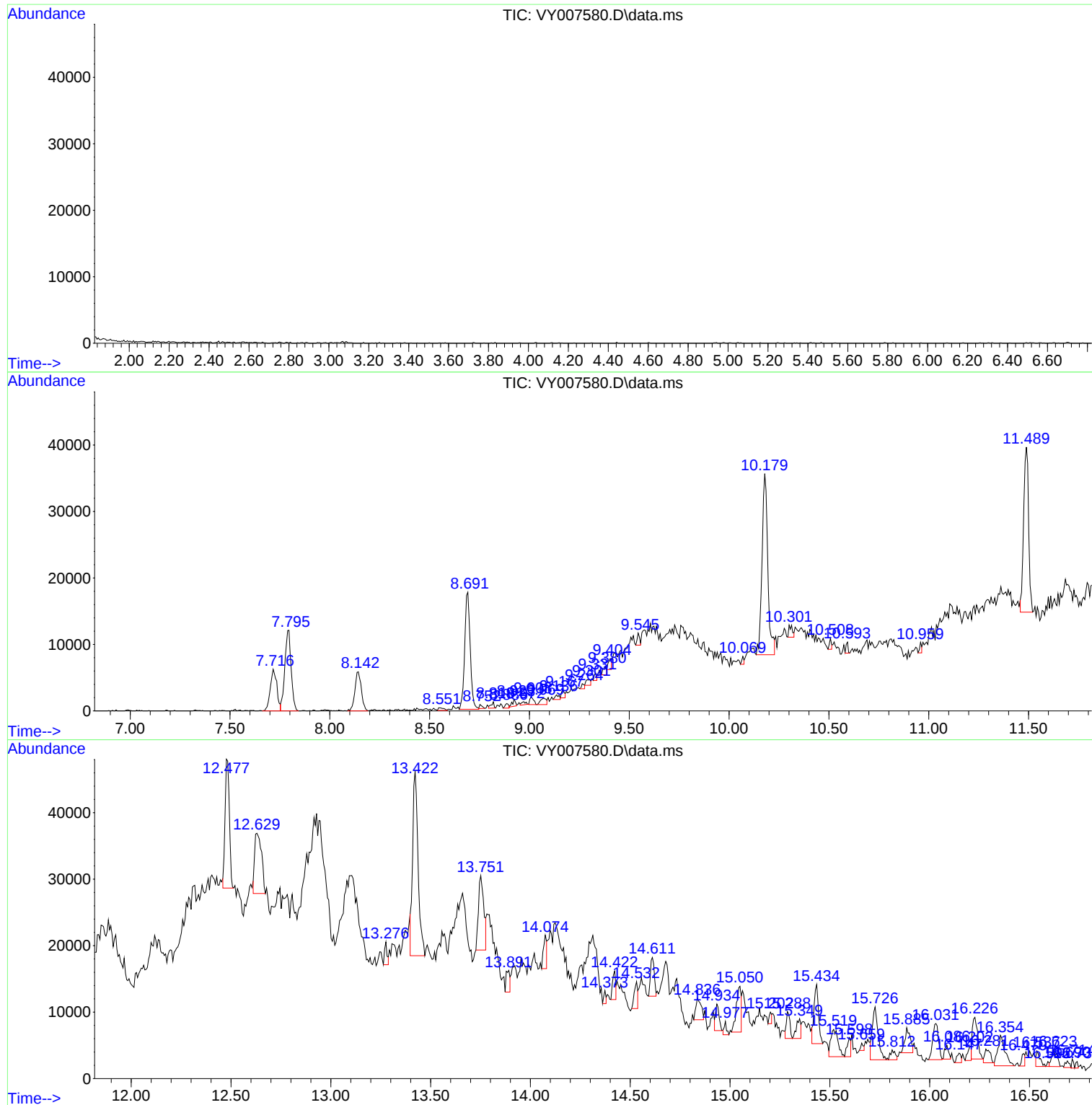
Sum of corrected areas: 512576

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

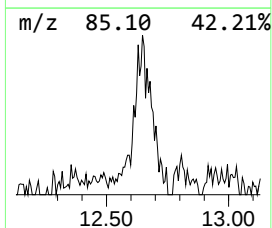
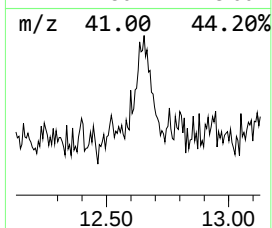
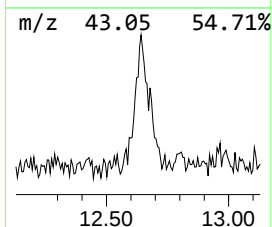
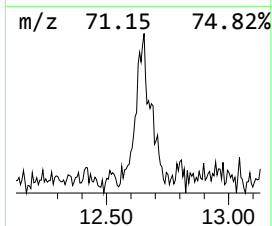
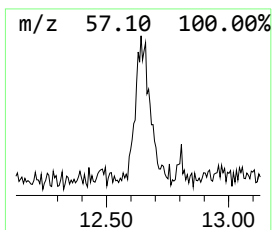
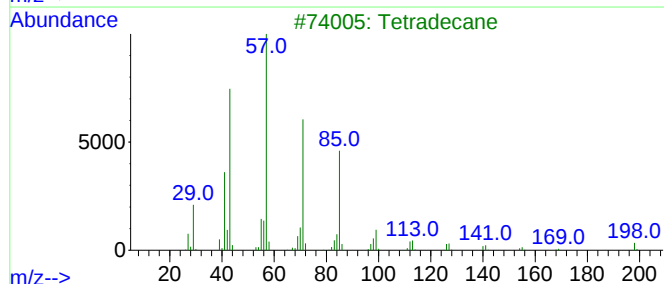
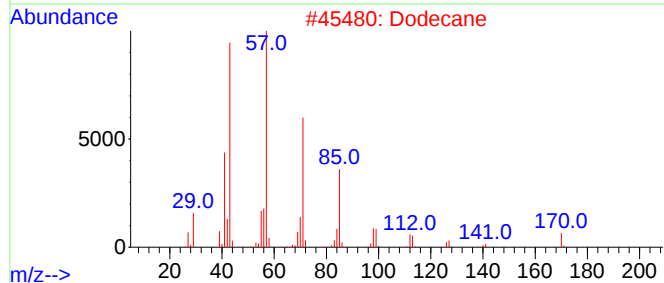
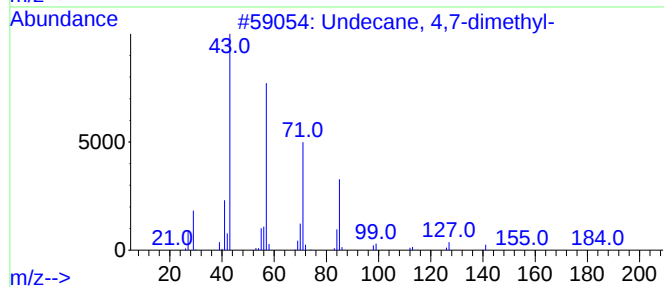
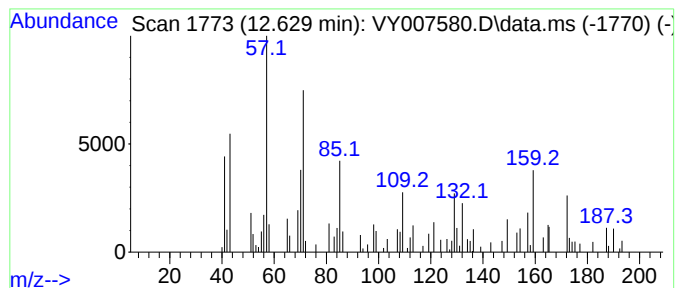
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 unknown12.630 Concentration Rank 1

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 12.630 | 20.58 ug/l | 21547 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------|-----|----------|-------------|------|
| 1    |    |   | Undecane, 4,7-dimethyl-    | 184 | C13H28   | 017301-32-5 | 35   |
| 2    |    |   | Dodecane                   | 170 | C12H26   | 000112-40-3 | 35   |
| 3    |    |   | Tetradecane                | 198 | C14H30   | 000629-59-4 | 35   |
| 4    |    |   | Octadecane, 1-chloro-      | 288 | C18H37Cl | 003386-33-2 | 35   |
| 5    |    |   | Nonane, 2-methyl-5-propyl- | 184 | C13H28   | 031081-17-1 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

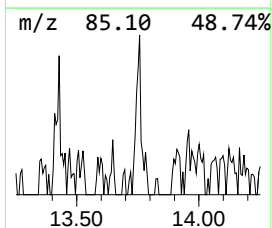
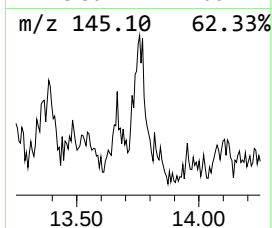
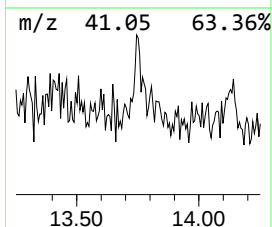
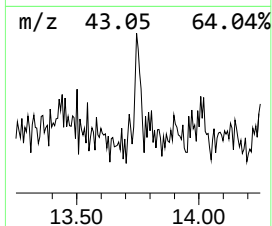
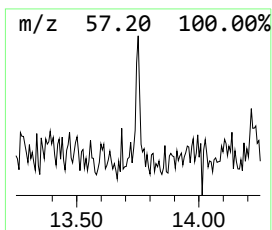
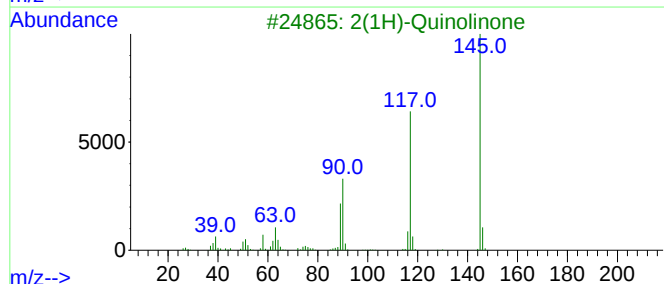
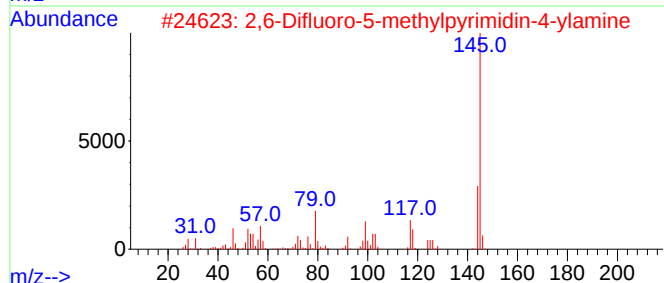
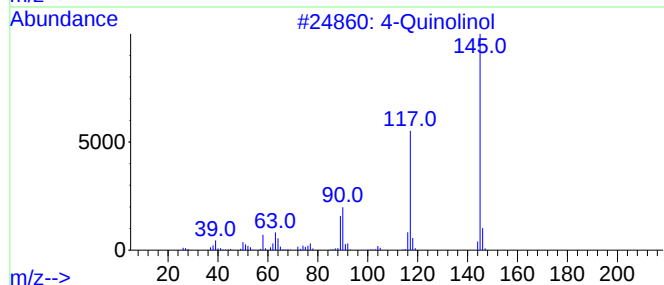
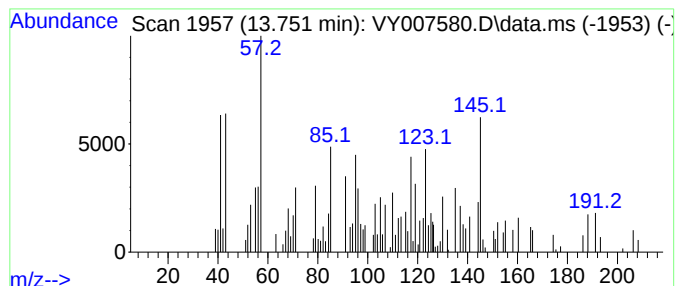
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 unknown13.751 Concentration Rank 2

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.751 | 19.96 ug/l | 20904 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 4-Quinolinol                        | 145 | C9H7NO   | 000611-36-9 | 14   |
| 2    |    |   | 2,6-Difluoro-5-methylpyrimidin-4... | 145 | C5H5F2N3 | 018260-66-7 | 11   |
| 3    |    |   | 2(1H)-Quinolinone                   | 145 | C9H7NO   | 000059-31-4 | 11   |
| 4    |    |   | 8-Hydroxyquinoline                  | 145 | C9H7NO   | 000148-24-3 | 11   |
| 5    |    |   | 3-(1H-Imidazol-2-yl)pyridine        | 145 | C8H7N3   | 013570-00-8 | 11   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

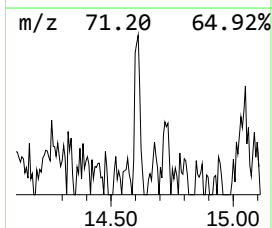
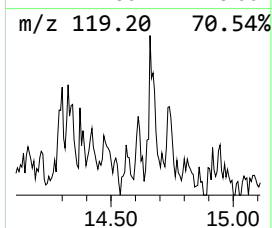
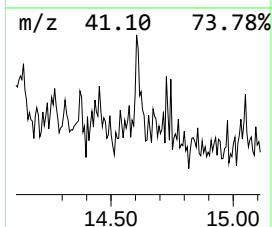
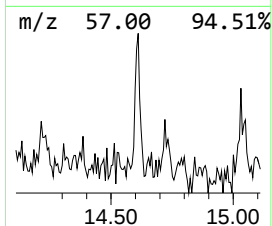
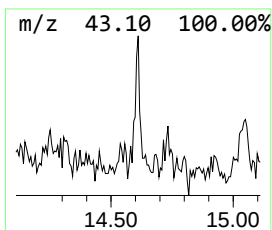
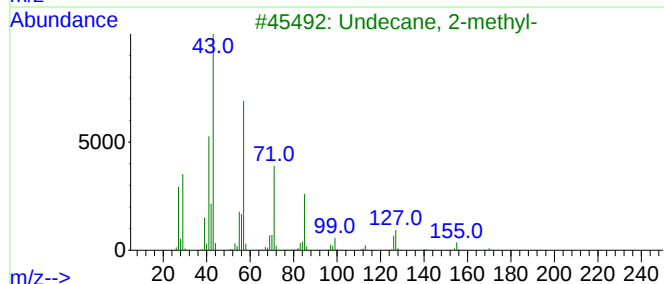
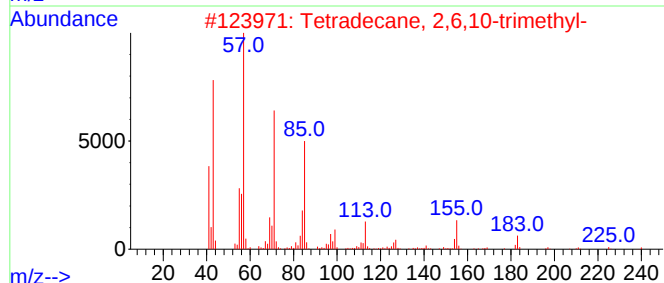
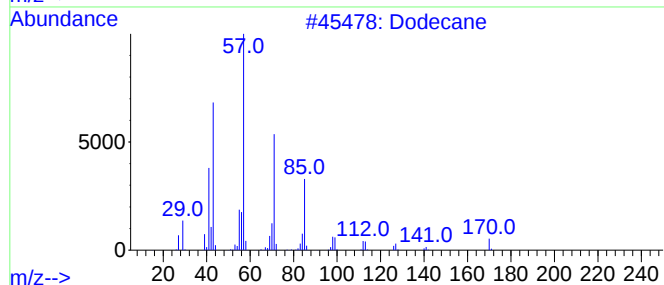
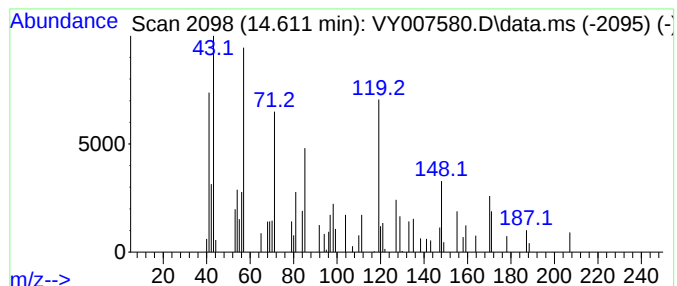
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 3 unknown14.611 Concentration Rank 10

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 14.611 | 7.38 ug/l | 7726 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane                            | 170 | C12H26    | 000112-40-3  | 43   |
| 2    |    |   | Tetradecane, 2,6,10-trimethyl-      | 240 | C17H36    | 014905-56-7  | 35   |
| 3    |    |   | Undecane, 2-methyl-                 | 170 | C12H26    | 007045-71-8  | 35   |
| 4    |    |   | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42    | 000638-36-8  | 27   |
| 5    |    |   | Sulfurous acid, pentadecyl 2-pro... | 334 | C18H38O3S | 1000309-12-6 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

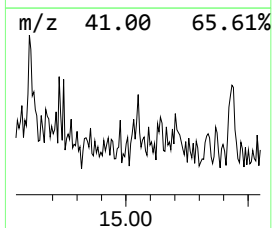
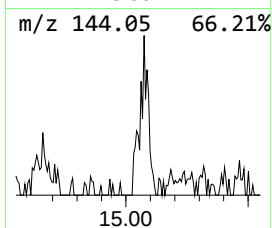
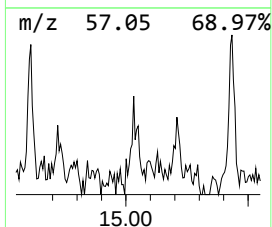
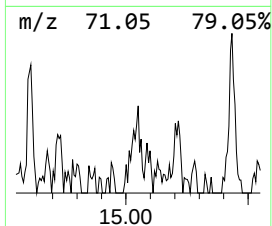
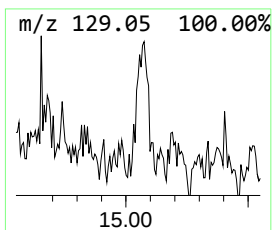
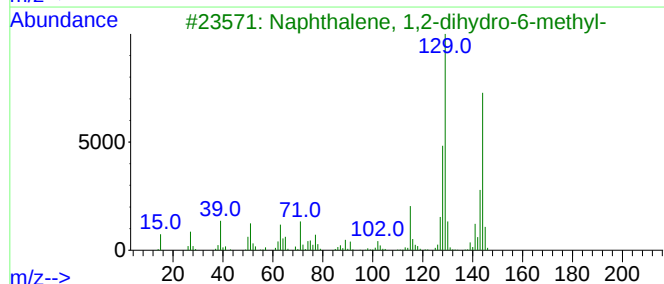
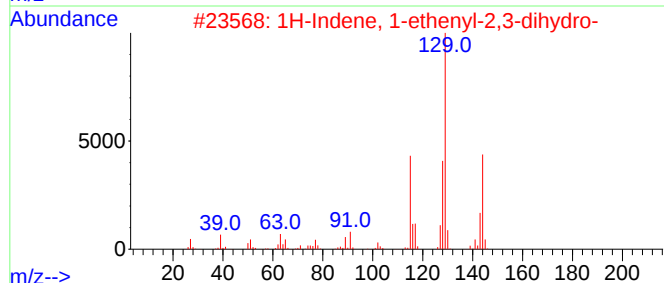
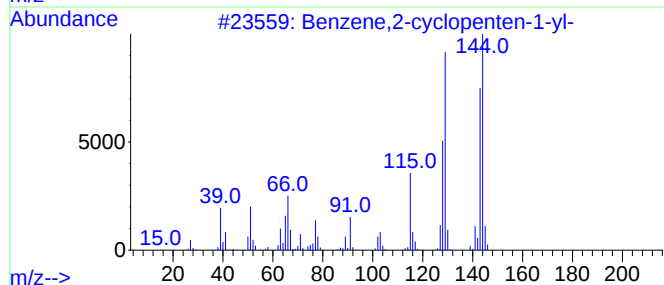
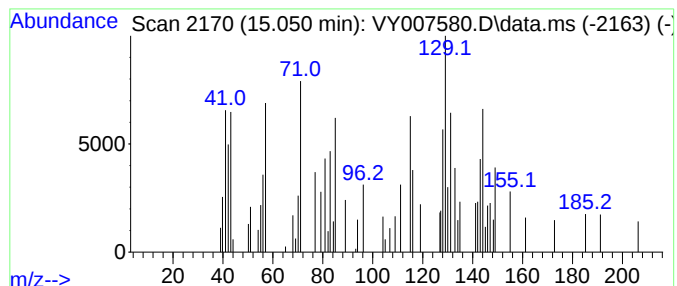
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 4 unknown15.050 Concentration Rank 5

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.050 | 11.27 ug/l | 11800 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene,2-cyclopenten-1-yl-        | 144 | C11H12  | 037689-22-8  | 38   |
| 2    |    |   | 1H-Indene, 1-ethenyl-2,3-dihydro-  | 144 | C11H12  | 051783-46-1  | 30   |
| 3    |    |   | Naphthalene, 1,2-dihydro-6-methyl- | 144 | C11H12  | 002717-47-7  | 27   |
| 4    |    |   | 2-Phenyl-4-penten-2-ol             | 162 | C11H14O | 061077-65-4  | 27   |
| 5    |    |   | Benzene, 1,2-bis(1-buten-3-yl)-    | 186 | C14H18  | 1000162-73-9 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

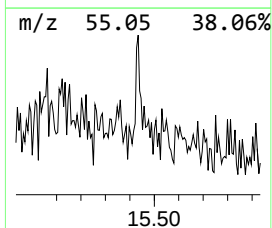
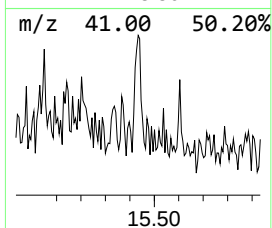
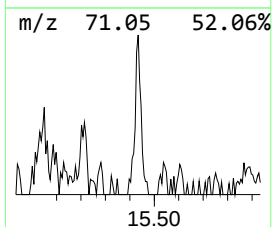
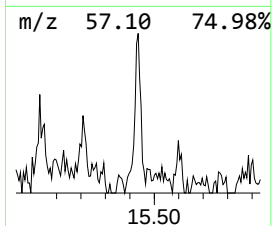
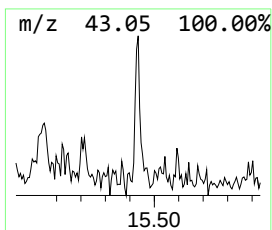
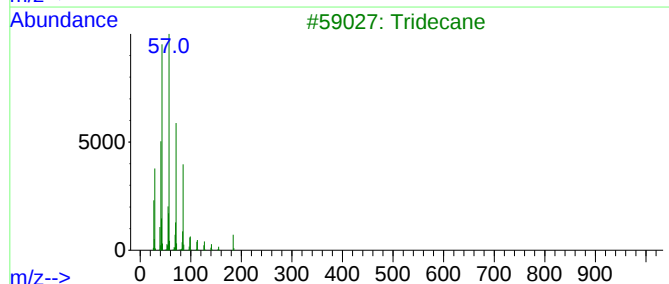
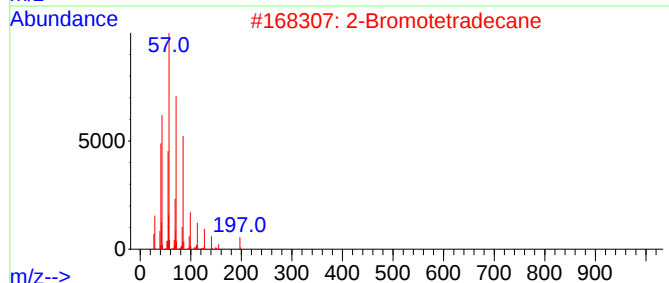
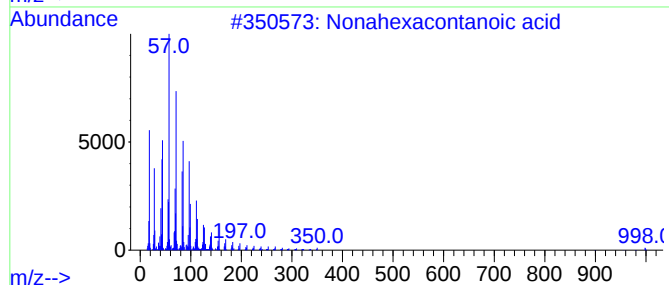
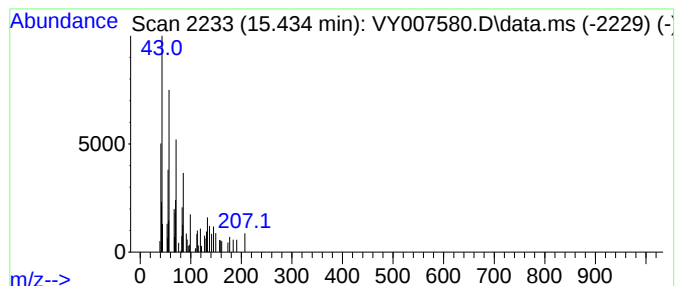
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 unknown15.434 Concentration Rank 4

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.434 | 12.99 ug/l | 13604 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|---|----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Nonahexacontanoic acid           | 999 | C69H138O2 | 040710-32-5  | 47   |
| 2    |    |   | 2-Bromotetradecane               | 276 | C14H29Br  | 074036-95-6  | 47   |
| 3    |    |   | Tridecane                        | 184 | C13H28    | 000629-50-5  | 46   |
| 4    |    |   | Dodecane, 2-methyl-              | 184 | C13H28    | 001560-97-0  | 43   |
| 5    |    |   | 3-Ethyl-2,6,10-trimethylundecane | 226 | C16H34    | 1000432-25-9 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

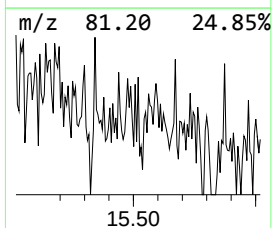
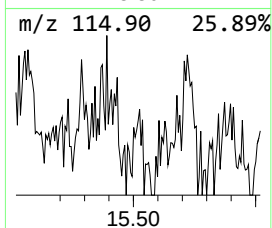
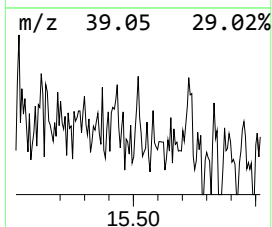
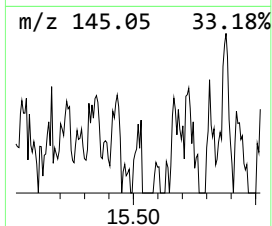
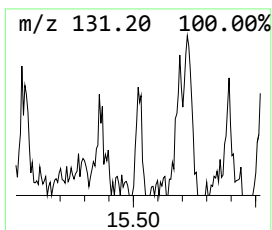
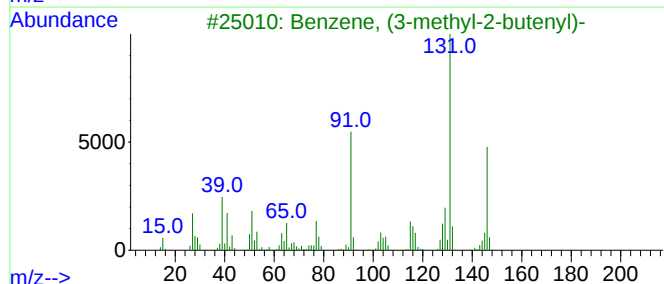
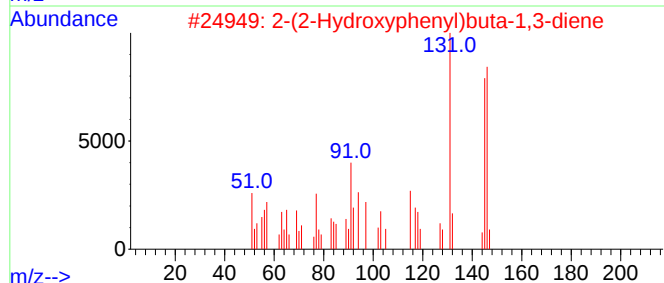
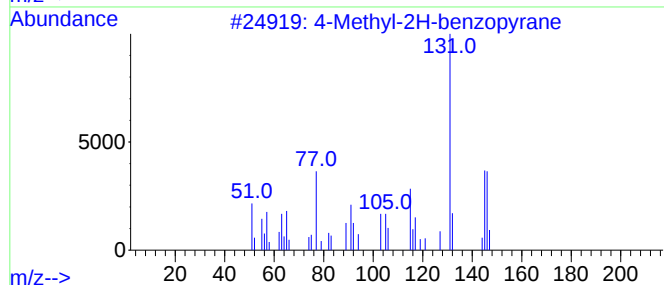
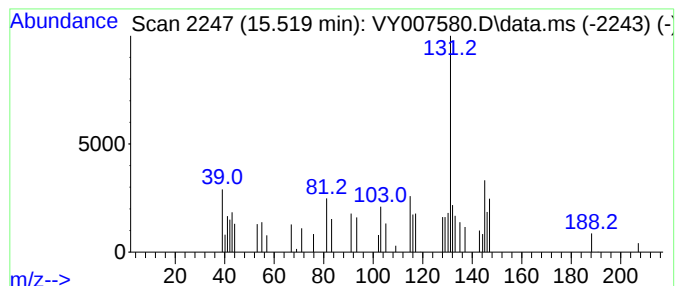
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 4-Methyl-2H-benzopyrane Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.519 | 9.69 ug/l | 10151 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 4-Methyl-2H-benzopyrane             | 146 | C10H100 | 021776-94-3 | 53   |
| 2    |    |   | 2-(2-Hydroxyphenyl)buta-1,3-diene   | 146 | C10H100 | 038865-47-3 | 47   |
| 3    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 47   |
| 4    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14  | 027087-54-3 | 47   |
| 5    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

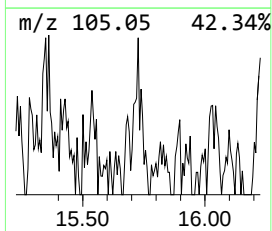
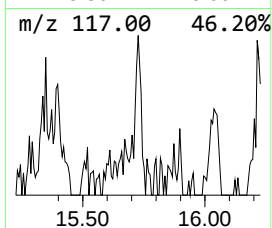
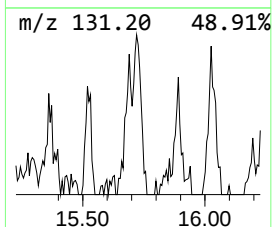
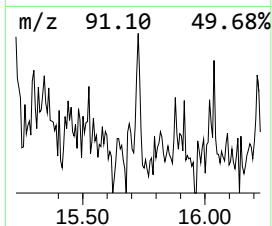
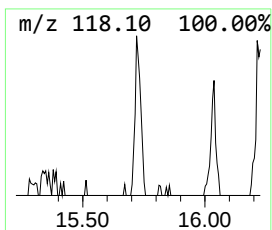
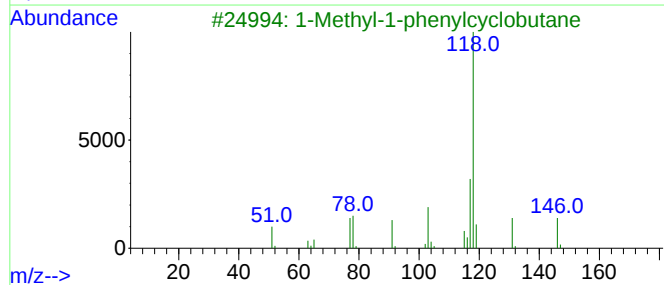
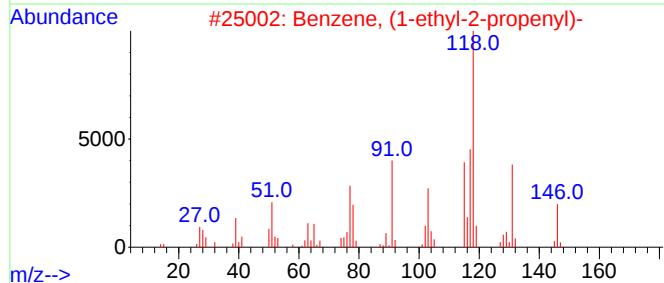
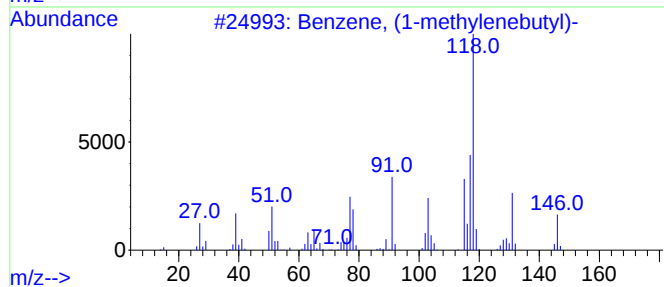
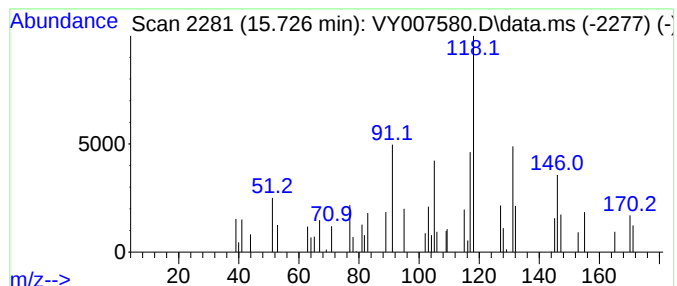
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Benzene, (1-methylenebutyl)- Concentration Rank 3

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.727 | 15.42 ug/l | 16147 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#         | Qual |
|------|----|---|--------------------------------|-----|----------|--------------|------|
| 1    |    |   | Benzene, (1-methylenebutyl)-   | 146 | C11H14   | 005676-32-4  | 64   |
| 2    |    |   | Benzene, (1-ethyl-2-propenyl)- | 146 | C11H14   | 019947-22-9  | 58   |
| 3    |    |   | 1-Methyl-1-phenylcyclobutane   | 146 | C11H14   | 007306-05-0  | 38   |
| 4    |    |   | (Z) Phenylpropyl cinnamate     | 266 | C18H18O2 | 1000414-29-1 | 32   |
| 5    |    |   | 3-Phenylpropyl cinnamate, (E)- | 266 | C18H18O2 | 290311-72-7  | 32   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

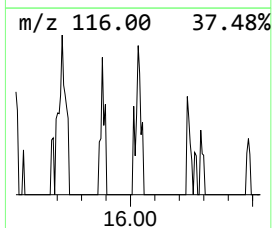
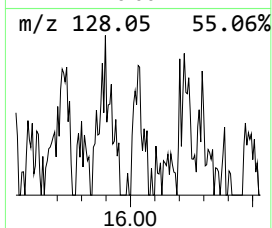
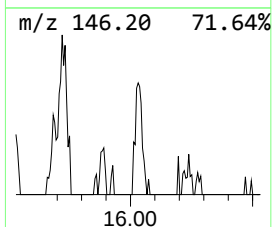
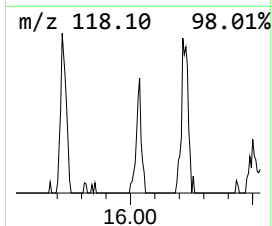
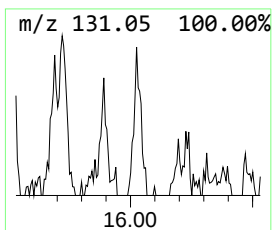
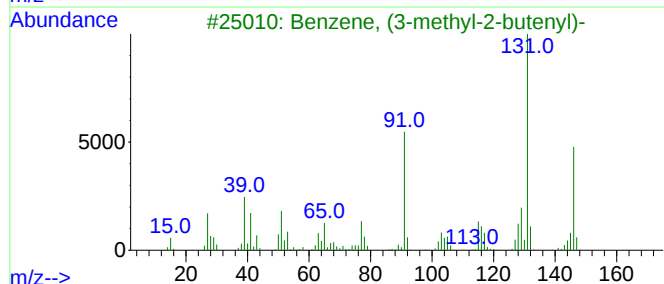
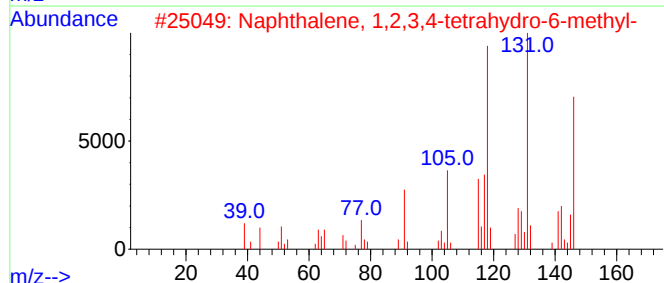
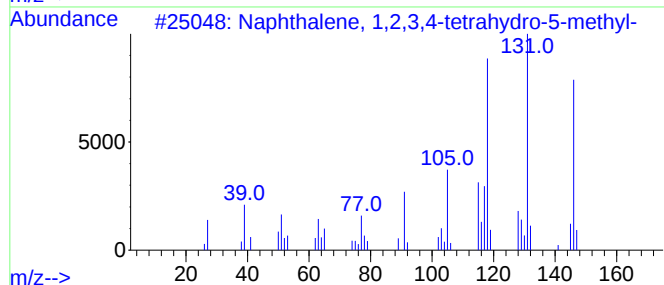
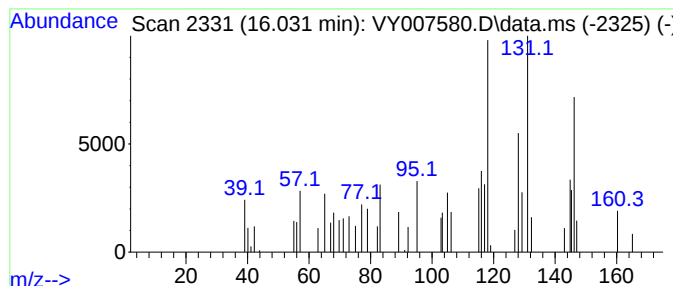
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 8

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 16.031 | 10.40 ug/l | 10896 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 70   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 64   |
| 3    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 49   |
| 4    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 43   |
| 5    |    |   | Benzenemethanol, .alpha.-methyl-... | 164 | C11H16O | 004383-18-0 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

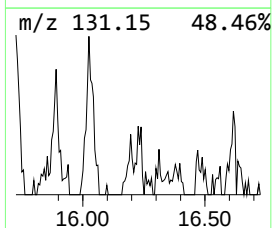
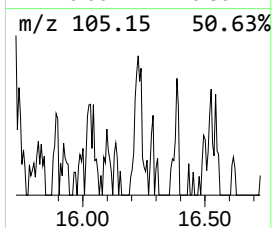
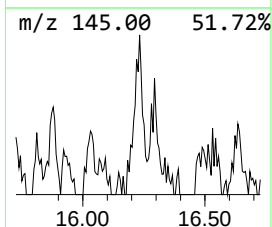
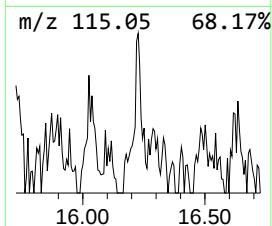
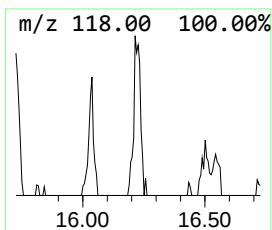
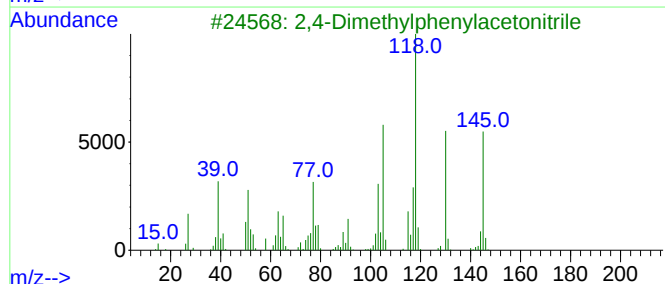
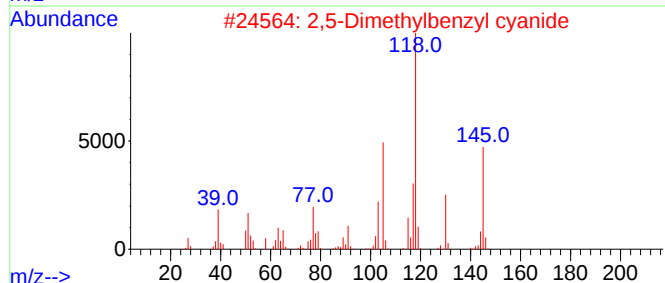
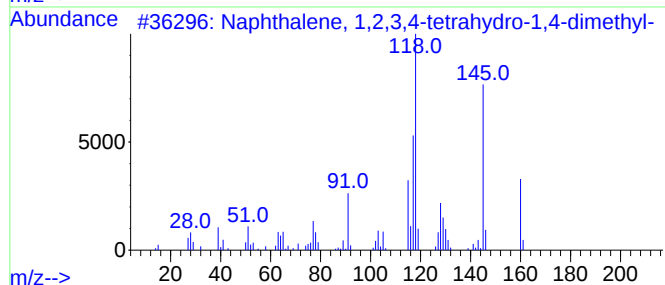
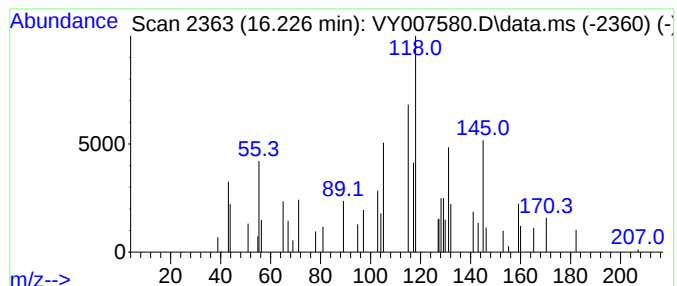
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 9 unknown16.226 Concentration Rank 6

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 16.226 | 10.77 ug/l | 11277 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6  | 47   |
| 2    |    |   | 2,5-Dimethylbenzyl cyanide          | 145 | C10H11N | 016213-85-7  | 43   |
| 3    |    |   | 2,4-Dimethylphenylacetone nitrile   | 145 | C10H11N | 068429-53-8  | 35   |
| 4    |    |   | Benzene, (1-ethyl-2-propenyl)-      | 146 | C11H14  | 019947-22-9  | 25   |
| 5    |    |   | Bicyclo[4.2.0]octa-1,4-diene, 7-... | 196 | C15H16  | 1000221-38-6 | 17   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.M  
Quant Title : SW846 8260

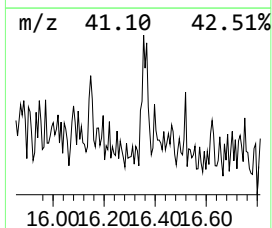
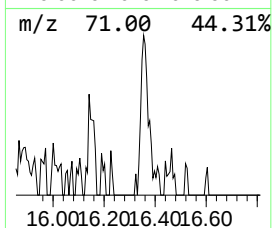
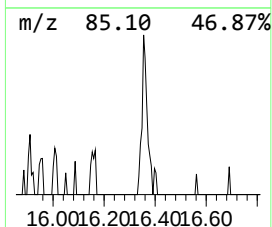
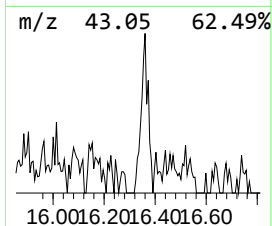
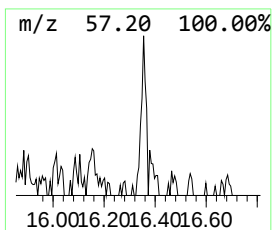
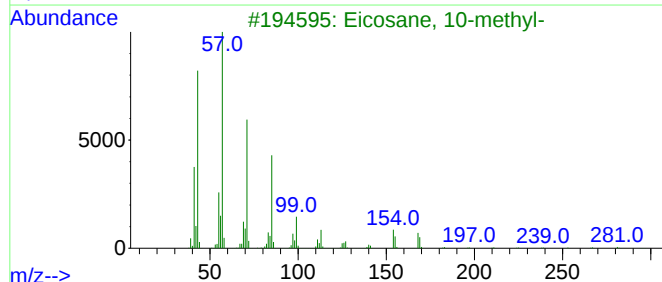
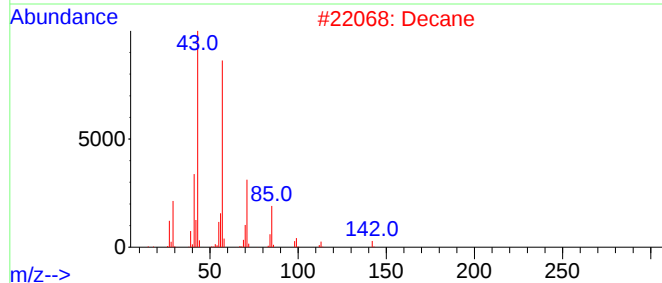
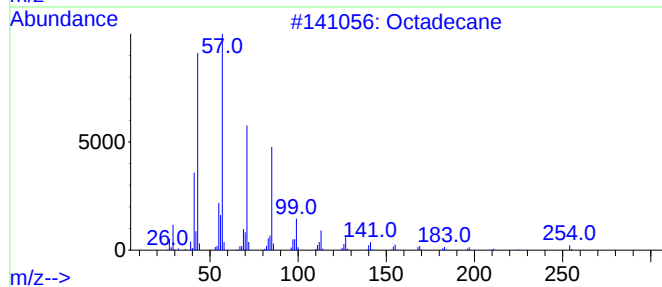
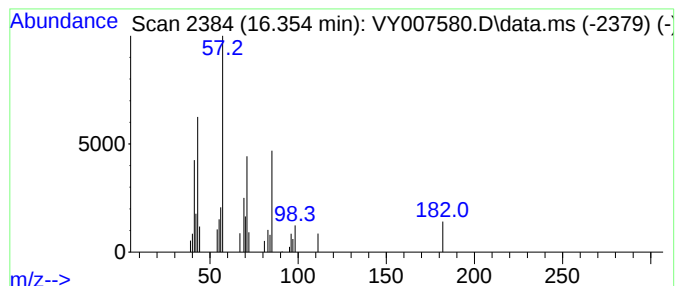
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 10 Octadecane Concentration Rank 7

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 16.354 | 10.73 ug/l | 11232 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Octadecane           | 254 | C18H38  | 000593-45-3 | 59   |
| 2    |    |   | Decane               | 142 | C10H22  | 000124-18-5 | 59   |
| 3    |    |   | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 53   |
| 4    |    |   | Tetradecane          | 198 | C14H30  | 000629-59-4 | 53   |
| 5    |    |   | Octane               | 114 | C8H18   | 000111-65-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022222\  
Data File : VY007580.D  
Acq On : 22 Feb 2022 14:08  
Operator : SY/MD  
Sample : N1600-07RE  
Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022122S.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 |
| unknown12.630      | 12.630 | 20.6    | ug/l  | 21547    | 4                     | 13.422 | 52361 | 50.0 |
| unknown13.751      | 13.751 | 20.0    | ug/l  | 20904    | 4                     | 13.422 | 52361 | 50.0 |
| unknown14.611      | 14.611 | 7.4     | ug/l  | 7726     | 4                     | 13.422 | 52361 | 50.0 |
| unknown15.050      | 15.050 | 11.3    | ug/l  | 11800    | 4                     | 13.422 | 52361 | 50.0 |
| unknown15.434      | 15.434 | 13.0    | ug/l  | 13604    | 4                     | 13.422 | 52361 | 50.0 |
| 4-Methyl-2H-ben... | 15.519 | 9.7     | ug/l  | 10151    | 4                     | 13.422 | 52361 | 50.0 |
| Benzene, (1-met... | 15.727 | 15.4    | ug/l  | 16147    | 4                     | 13.422 | 52361 | 50.0 |
| Naphthalene, 1,... | 16.031 | 10.4    | ug/l  | 10896    | 4                     | 13.422 | 52361 | 50.0 |
| unknown16.226      | 16.226 | 10.8    | ug/l  | 11277    | 4                     | 13.422 | 52361 | 50.0 |
| Octadecane         | 16.354 | 10.7    | ug/l  | 11232    | 4                     | 13.422 | 52361 | 50.0 |