

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
 Data File : VY007557.D  
 Acq On : 18 Feb 2022 19:58  
 Operator : SY/MD  
 Sample : N1594-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RO-CONCRETE-COMP

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\82Y021422S.M  
 Title : SW846 8260

Signal : TIC: VY007557.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         | 3.954       | 340           | 350         | 358          | rVB2     | 1674           | 4467          | 1.08%           | 0.127%        |
| 2         | 7.716       | 957           | 967         | 973          | rBV      | 45673          | 108906        | 26.35%          | 3.099%        |
| 3         | 7.789       | 973           | 979         | 993          | rVB      | 97489          | 220282        | 53.30%          | 6.267%        |
| 4         | 8.143       | 1028          | 1037        | 1048         | rBV      | 53844          | 115790        | 28.02%          | 3.294%        |
| 5         | 8.691       | 1118          | 1127        | 1138         | rBV      | 144038         | 289952        | 70.16%          | 8.250%        |
| 6         | 9.520       | 1254          | 1263        | 1268         | rBV4     | 2501           | 5248          | 1.27%           | 0.149%        |
| 7         | 10.179      | 1364          | 1371        | 1379         | rBV      | 245029         | 413297        | 100.00%         | 11.759%       |
| 8         | 11.490      | 1578          | 1586        | 1598         | rVB      | 243395         | 390035        | 94.37%          | 11.097%       |
| 9         | 11.709      | 1613          | 1622        | 1630         | rVB9     | 5082           | 12762         | 3.09%           | 0.363%        |
| 10        | 12.343      | 1718          | 1726        | 1728         | rBV9     | 3446           | 7593          | 1.84%           | 0.216%        |
| 11        | 12.416      | 1730          | 1738        | 1741         | rVV10    | 3294           | 7542          | 1.82%           | 0.215%        |
| 12        | 12.477      | 1742          | 1748        | 1755         | rVB      | 192979         | 313760        | 75.92%          | 8.927%        |
| 13        | 12.623      | 1768          | 1772        | 1773         | rBV4     | 3984           | 4850          | 1.17%           | 0.138%        |
| 14        | 12.733      | 1786          | 1790        | 1793         | rBV4     | 2736           | 4662          | 1.13%           | 0.133%        |
| 15        | 12.806      | 1797          | 1802        | 1808         | rVB2     | 22033          | 35613         | 8.62%           | 1.013%        |
| 16        | 12.959      | 1824          | 1827        | 1833         | rVV6     | 5831           | 12356         | 2.99%           | 0.352%        |
| 17        | 13.038      | 1837          | 1840        | 1844         | rVV5     | 5924           | 7815          | 1.89%           | 0.222%        |
| 18        | 13.117      | 1848          | 1853        | 1860         | rVB2     | 13187          | 22990         | 5.56%           | 0.654%        |
| 19        | 13.318      | 1879          | 1886        | 1889         | rBV6     | 7683           | 14655         | 3.55%           | 0.417%        |
| 20        | 13.361      | 1889          | 1893        | 1897         | rVV5     | 5952           | 10339         | 2.50%           | 0.294%        |
| 21        | 13.422      | 1897          | 1903        | 1912         | rVB      | 249329         | 395616        | 95.72%          | 11.256%       |
| 22        | 13.495      | 1912          | 1915        | 1919         | rBV4     | 4588           | 6594          | 1.60%           | 0.188%        |
| 23        | 13.623      | 1932          | 1936        | 1939         | rBV3     | 8562           | 12788         | 3.09%           | 0.364%        |
| 24        | 13.666      | 1939          | 1943        | 1951         | rVB3     | 9197           | 23311         | 5.64%           | 0.663%        |
| 25        | 13.751      | 1951          | 1957        | 1961         | rBV      | 58353          | 86921         | 21.03%          | 2.473%        |
| 26        | 13.885      | 1976          | 1979        | 1980         | rBV3     | 3977           | 4668          | 1.13%           | 0.133%        |
| 27        | 13.910      | 1980          | 1983        | 1988         | rVB5     | 9748           | 14174         | 3.43%           | 0.403%        |
| 28        | 13.971      | 1988          | 1993        | 1997         | rVB3     | 13660          | 21242         | 5.14%           | 0.604%        |
| 29        | 14.013      | 1997          | 2000        | 2004         | rVB6     | 5415           | 8132          | 1.97%           | 0.231%        |
| 30        | 14.074      | 2006          | 2010        | 2015         | rBV4     | 13791          | 21550         | 5.21%           | 0.613%        |
| 31        | 14.135      | 2015          | 2020        | 2026         | rBV10    | 5452           | 12682         | 3.07%           | 0.361%        |
| 32        | 14.196      | 2028          | 2030        | 2032         | rBV3     | 3821           | 4265          | 1.03%           | 0.121%        |
| 33        | 14.257      | 2033          | 2040        | 2046         | rBV8     | 17561          | 43241         | 10.46%          | 1.230%        |
| 34        | 14.379      | 2056          | 2060        | 2063         | rBV4     | 13190          | 16919         | 4.09%           | 0.481%        |
| 35        | 14.416      | 2063          | 2066        | 2071         | rVB4     | 12540          | 17136         | 4.15%           | 0.488%        |
| 36        | 14.477      | 2072          | 2076        | 2079         | rVV6     | 5825           | 8751          | 2.12%           | 0.249%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
 Data File : VY007557.D  
 Acq On : 18 Feb 2022 19:58  
 Operator : SY/MD  
 Sample : N1594-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RO-CONCRETE-COMP

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\82Y021422S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |        |        |
|----|--------|------|------|------|------|-------|-------|--------|--------|
| 37 | 14.519 | 2079 | 2083 | 2086 | rVV2 | 8091  | 10797 | 2.61%  | 0.307% |
| 38 | 14.562 | 2086 | 2090 | 2091 | rVV2 | 11279 | 13664 | 3.31%  | 0.389% |
| 39 | 14.611 | 2094 | 2098 | 2102 | rVV  | 67359 | 90968 | 22.01% | 2.588% |
| 40 | 14.684 | 2103 | 2110 | 2114 | rVV3 | 30598 | 65547 | 15.86% | 1.865% |
| 41 | 14.733 | 2114 | 2118 | 2125 | rVB4 | 26704 | 48092 | 11.64% | 1.368% |
| 42 | 14.836 | 2126 | 2135 | 2142 | rBV5 | 21193 | 51170 | 12.38% | 1.456% |
| 43 | 14.940 | 2148 | 2152 | 2156 | rVB3 | 12705 | 17656 | 4.27%  | 0.502% |
| 44 | 15.056 | 2164 | 2171 | 2176 | rBV6 | 14198 | 34814 | 8.42%  | 0.991% |
| 45 | 15.208 | 2191 | 2196 | 2200 | rBV3 | 16812 | 33240 | 8.04%  | 0.946% |
| 46 | 15.288 | 2206 | 2209 | 2214 | rVB  | 14645 | 21073 | 5.10%  | 0.600% |
| 47 | 15.343 | 2214 | 2218 | 2223 | rBV5 | 16276 | 34923 | 8.45%  | 0.994% |
| 48 | 15.434 | 2229 | 2233 | 2240 | rVB2 | 46108 | 77093 | 18.65% | 2.193% |
| 49 | 15.525 | 2241 | 2248 | 2255 | rBV6 | 14277 | 39338 | 9.52%  | 1.119% |
| 50 | 15.599 | 2256 | 2260 | 2266 | rVB8 | 9350  | 17710 | 4.29%  | 0.504% |
| 51 | 15.684 | 2269 | 2274 | 2275 | rVV3 | 8311  | 13125 | 3.18%  | 0.373% |
| 52 | 15.727 | 2277 | 2281 | 2287 | rVB3 | 34449 | 58127 | 14.06% | 1.654% |
| 53 | 15.879 | 2303 | 2306 | 2308 | rBV4 | 5556  | 7128  | 1.72%  | 0.203% |
| 54 | 16.031 | 2325 | 2331 | 2335 | rBV6 | 17711 | 36157 | 8.75%  | 1.029% |
| 55 | 16.080 | 2337 | 2339 | 2348 | rVB9 | 6123  | 14076 | 3.41%  | 0.400% |
| 56 | 16.153 | 2348 | 2351 | 2355 | rBV6 | 5350  | 8322  | 2.01%  | 0.237% |
| 57 | 16.226 | 2358 | 2363 | 2369 | rVV3 | 21849 | 43144 | 10.44% | 1.228% |
| 58 | 16.287 | 2369 | 2373 | 2379 | rVV5 | 13736 | 27203 | 6.58%  | 0.774% |
| 59 | 16.361 | 2381 | 2385 | 2393 | rVB4 | 16268 | 30305 | 7.33%  | 0.862% |
| 60 | 16.489 | 2399 | 2406 | 2408 | rBV7 | 8374  | 20165 | 4.88%  | 0.574% |

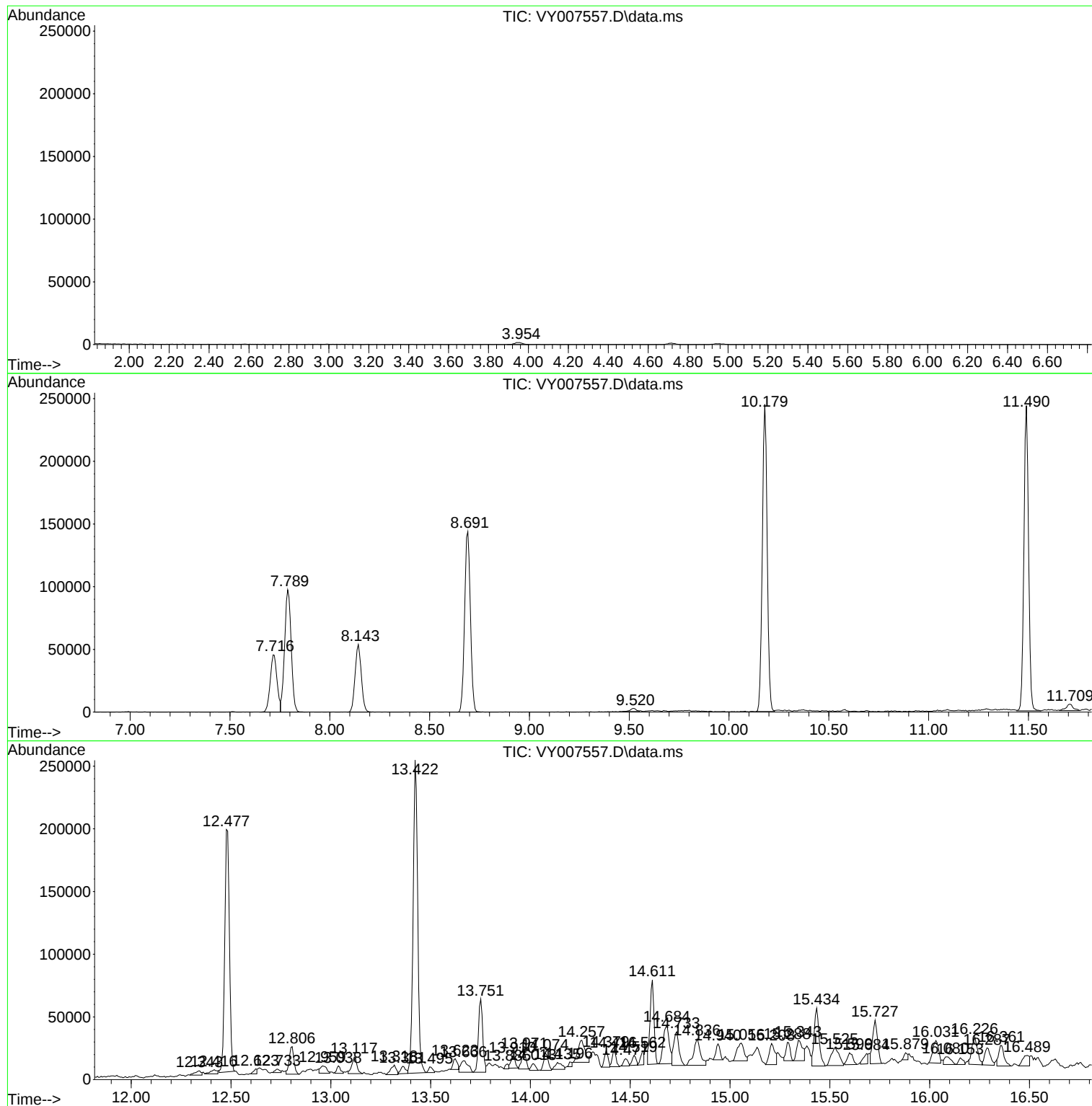
Sum of corrected areas: 3514741

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

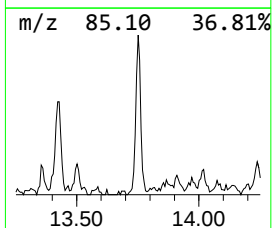
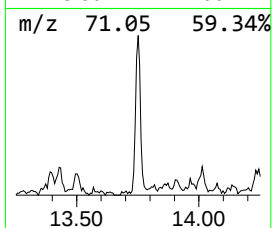
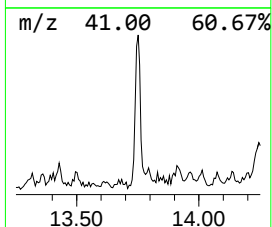
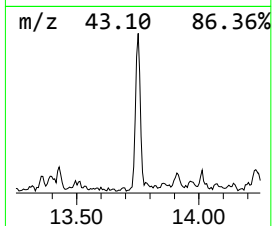
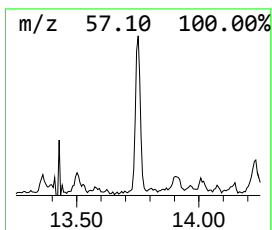
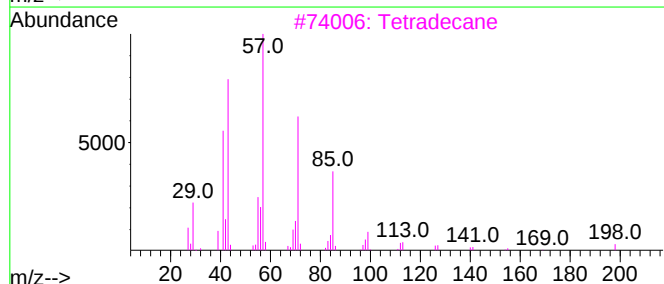
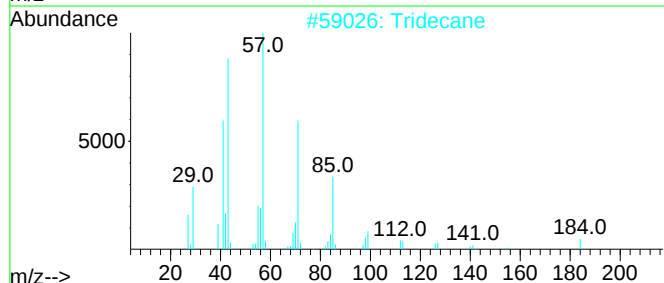
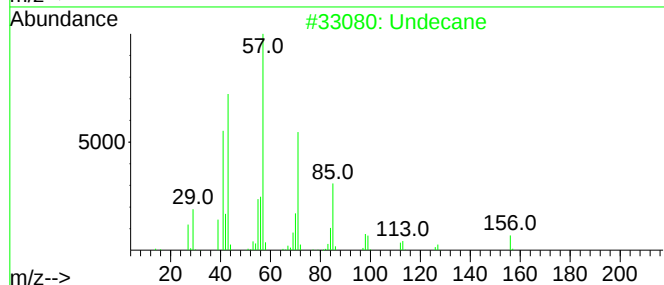
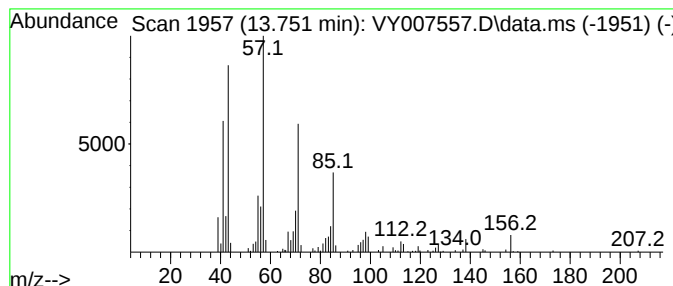
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 Undecane Concentration Rank 2

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.751 | 10.99 ug/l | 86921 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#         | Qual |
|------|----|---|----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Undecane                         | 156 | C11H24   | 001120-21-4  | 96   |
| 2    |    |   | Tridecane                        | 184 | C13H28   | 000629-50-5  | 80   |
| 3    |    |   | Tetradecane                      | 198 | C14H30   | 000629-59-4  | 72   |
| 4    |    |   | Hexadecane                       | 226 | C16H34   | 000544-76-3  | 72   |
| 5    |    |   | Carbonic acid, decyl nonyl ester | 328 | C20H40O3 | 1000383-15-8 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

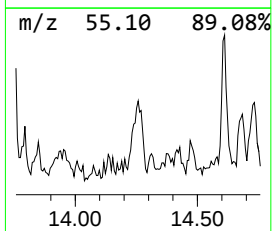
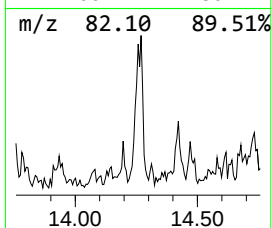
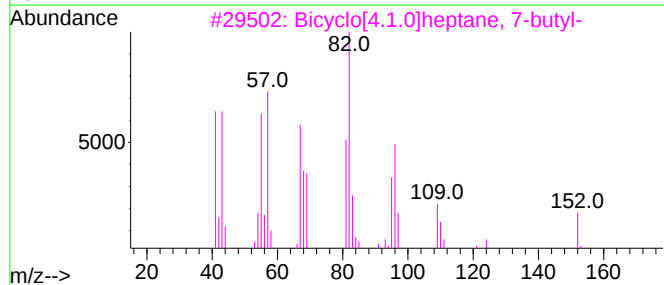
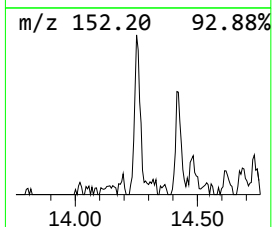
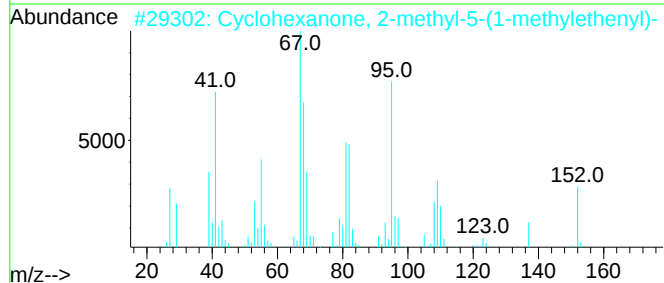
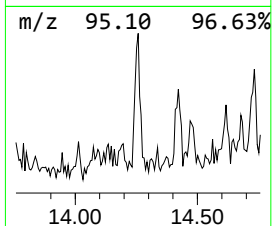
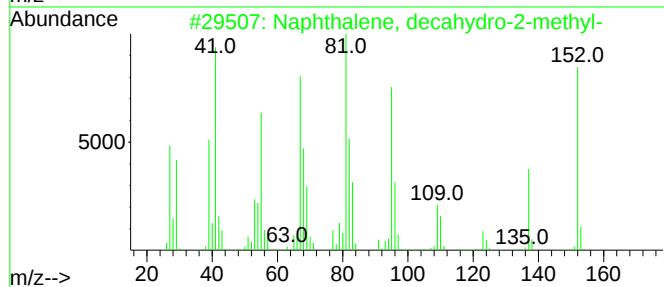
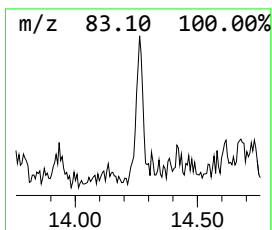
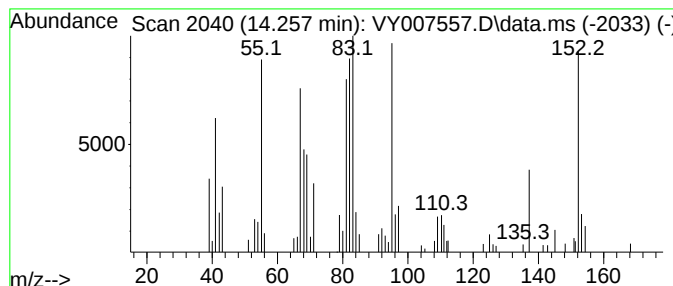
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.257 | 5.47 ug/l | 43241 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1 | 68   |
| 2    |    |   | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 007764-50-3 | 64   |
| 3    |    |   | Bicyclo[4.1.0]heptane, 7-butyl-     | 152 | C11H20  | 018645-10-8 | 60   |
| 4    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 029606-79-9 | 53   |
| 5    |    |   | Pulegone                            | 152 | C10H16O | 000089-82-7 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

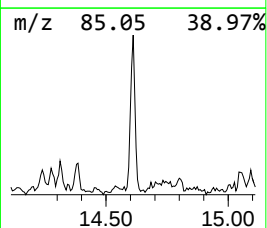
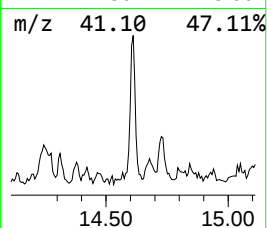
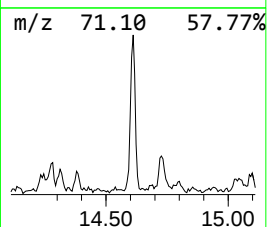
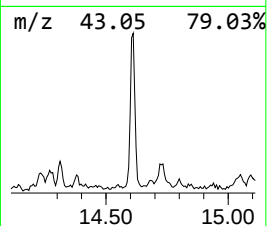
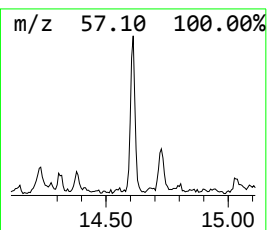
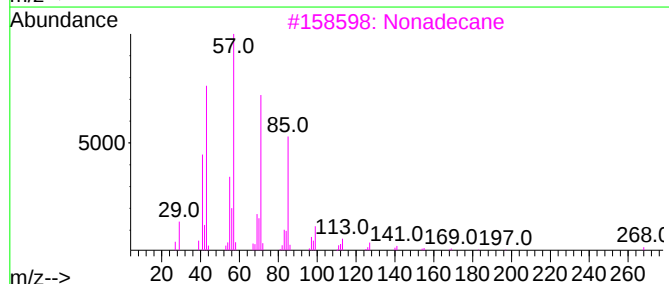
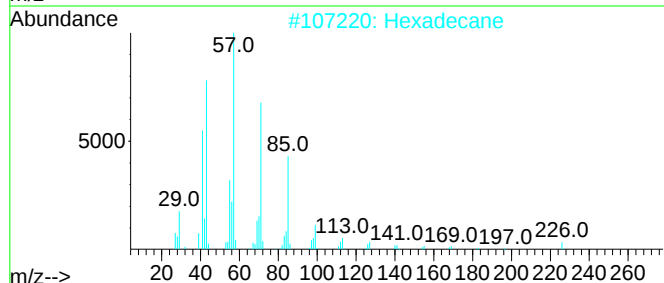
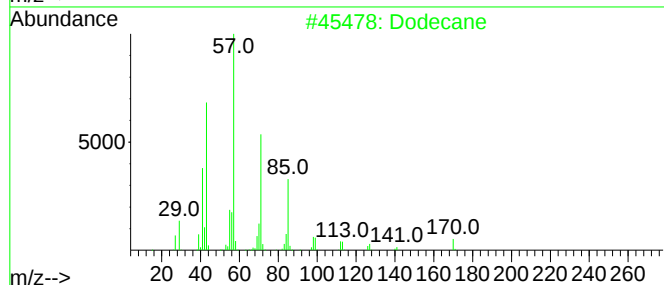
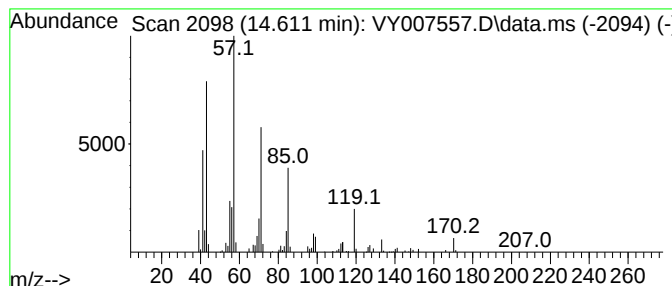
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 3 Dodecane Concentration Rank 1

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.611 | 11.50 ug/l | 90968 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dodecane                           | 170 | C12H26   | 000112-40-3  | 95   |
| 2    |    |   | Hexadecane                         | 226 | C16H34   | 000544-76-3  | 72   |
| 3    |    |   | Nonadecane                         | 268 | C19H40   | 000629-92-5  | 72   |
| 4    |    |   | Carbonic acid, dodecyl vinyl ester | 256 | C15H28O3 | 1000382-54-8 | 59   |
| 5    |    |   | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

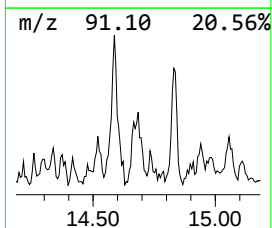
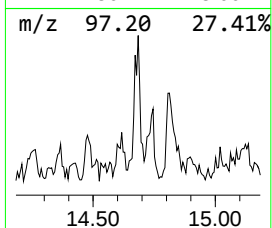
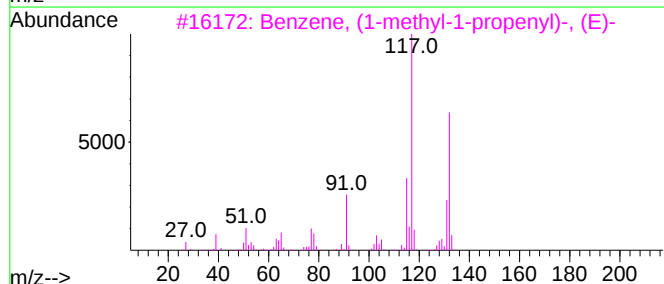
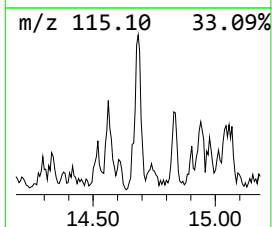
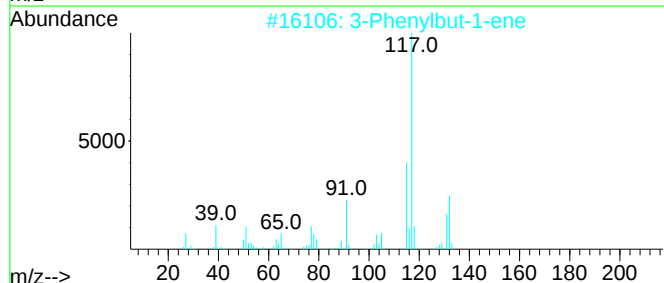
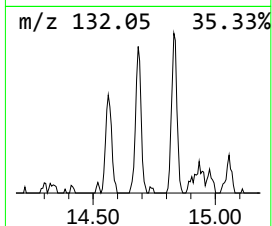
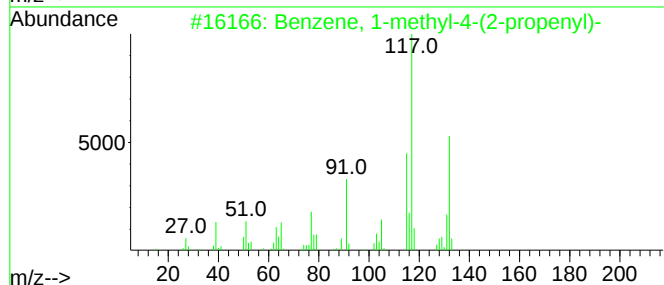
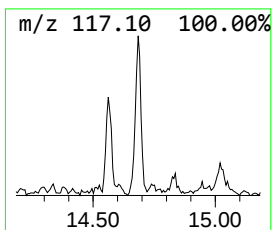
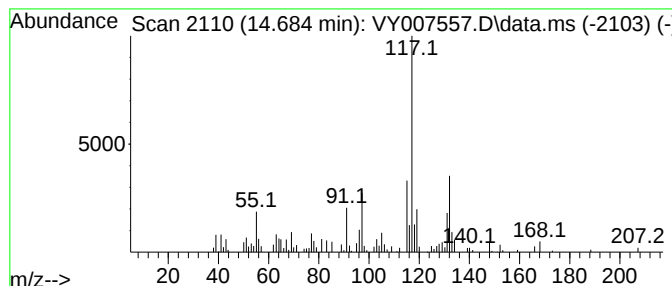
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 4 Benzene, 1-methyl-4-(2-prop... Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.684 | 8.28 ug/l | 65547 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9 | 86   |
| 2    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 70   |
| 3    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 70   |
| 4    |    |   | 1-Methyl-2-phenylcyclopropane       | 132 | C10H12  | 003145-76-4 | 64   |
| 5    |    |   | Indan, 1-methyl-                    | 132 | C10H12  | 000767-58-8 | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

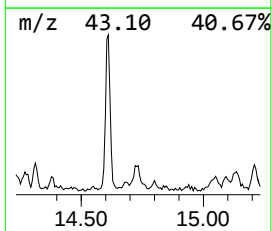
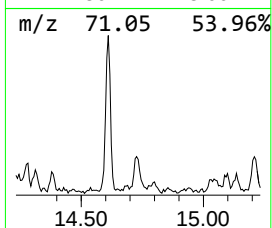
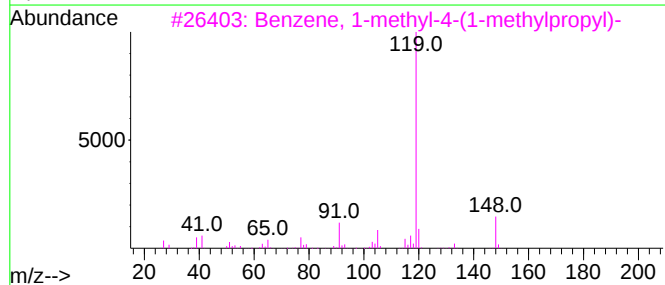
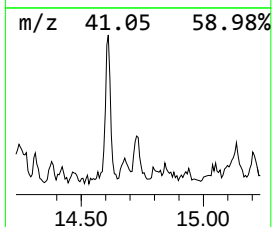
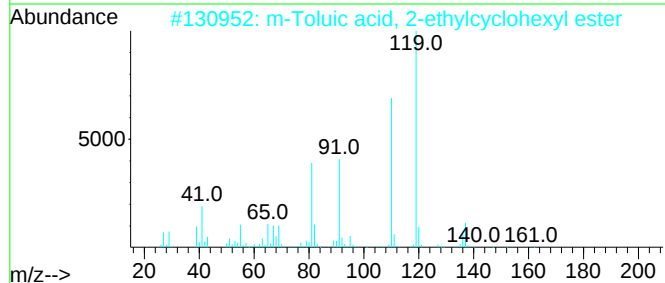
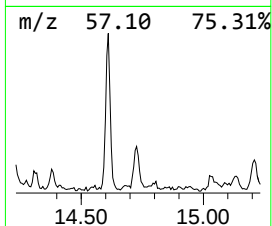
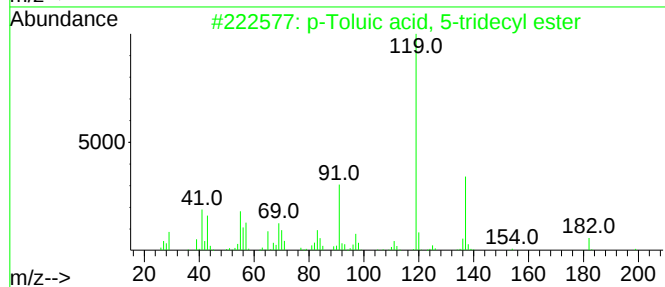
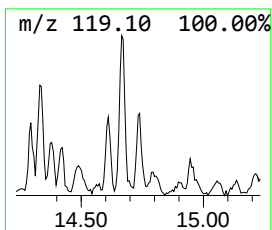
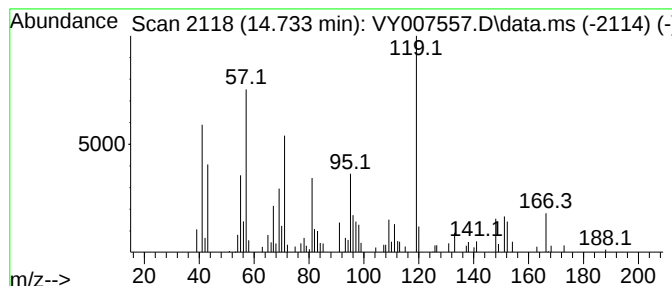
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 unknown14.733 Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.733 | 6.08 ug/l | 48092 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | p-Toluic acid, 5-tridecyl ester     | 318 | C21H34O2   | 1000299-80-5 | 35   |
| 2    |    |   | m-Toluic acid, 2-ethylcyclohexyl... | 246 | C16H22O2   | 1000293-33-2 | 35   |
| 3    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16     | 001595-16-0  | 35   |
| 4    |    |   | Benzene, 2-chloro-1,3,5-trimethyl-  | 154 | C9H11Cl    | 001667-04-5  | 30   |
| 5    |    |   | Acetamide, N-[1-benzylideno-2-(2... | 306 | C19H18N2O2 | 314281-76-0  | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

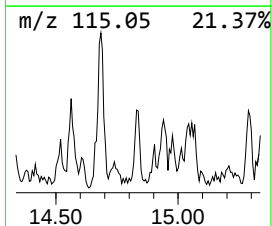
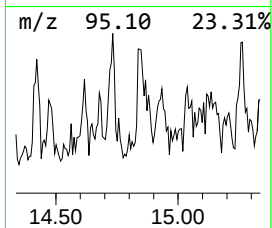
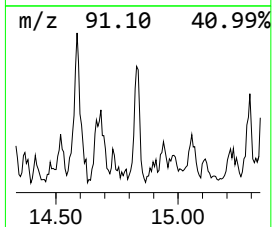
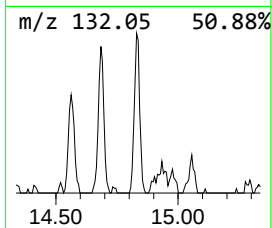
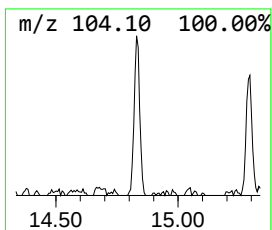
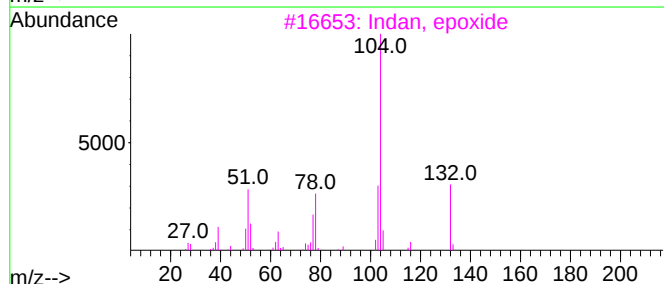
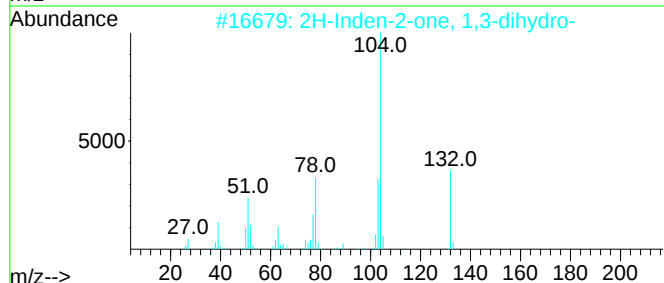
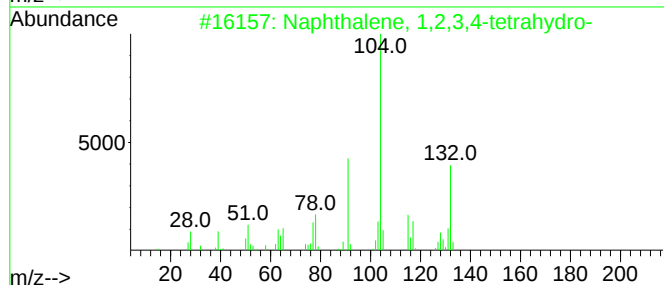
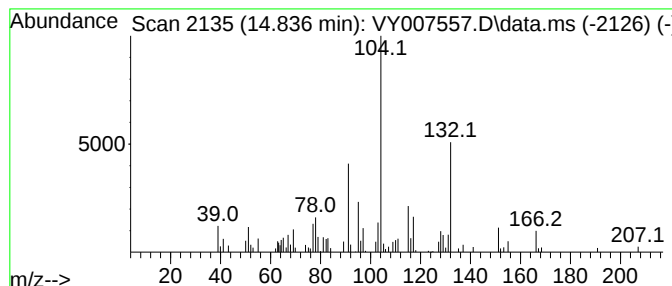
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 6 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.836 | 6.47 ug/l | 51170 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-    | 132 | C10H12     | 000119-64-2  | 86   |
| 2    |    |   | 2H-Inden-2-one, 1,3-dihydro-        | 132 | C9H8O      | 000615-13-4  | 43   |
| 3    |    |   | Indan, epoxide                      | 132 | C9H8O      | 000768-22-9  | 43   |
| 4    |    |   | 2-(2-Methyl-5-nitro-imidazol-1-yl)- | 288 | C14H16N4O3 | 1000274-77-6 | 27   |
| 5    |    |   | Phensuximide                        | 189 | C11H11NO2  | 000086-34-0  | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

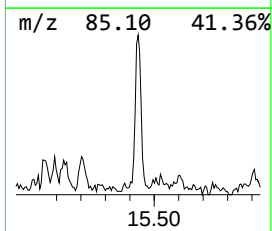
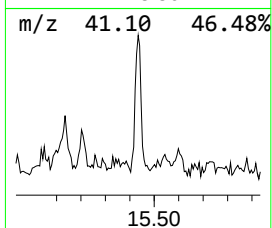
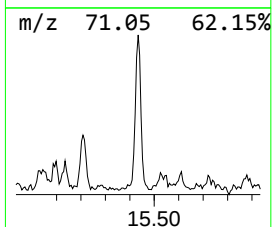
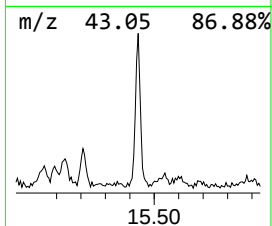
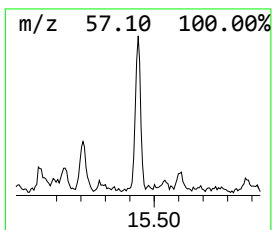
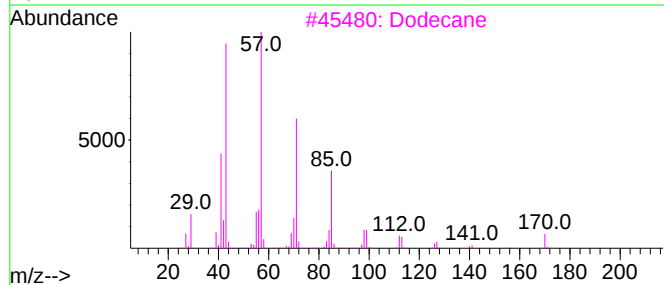
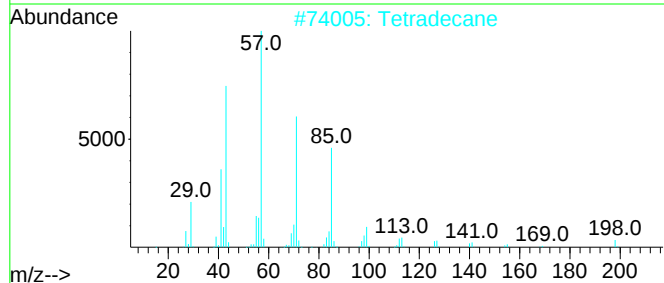
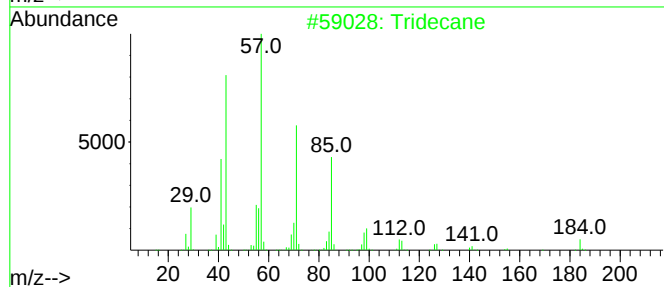
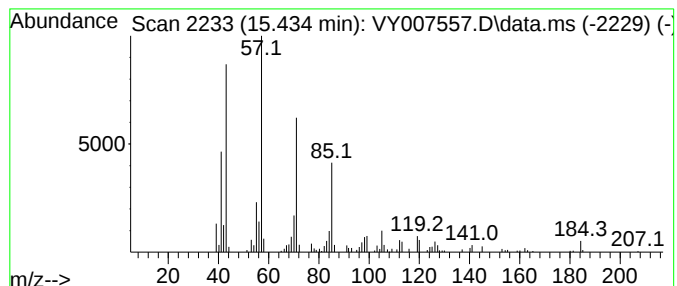
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 7 Tridecane Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.434 | 9.74 ug/l | 77093 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5 | 95   |
| 2    |    |   | Tetradecane              | 198 | C14H30  | 000629-59-4 | 83   |
| 3    |    |   | Dodecane                 | 170 | C12H26  | 000112-40-3 | 80   |
| 4    |    |   | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 72   |
| 5    |    |   | Pentadecane              | 212 | C15H32  | 000629-62-9 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

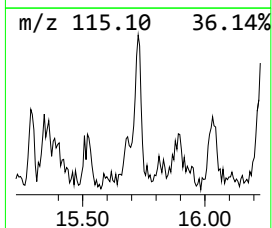
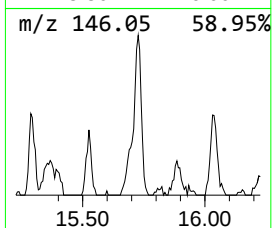
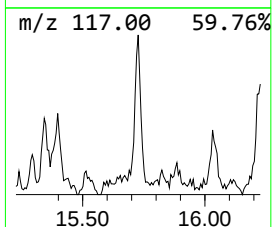
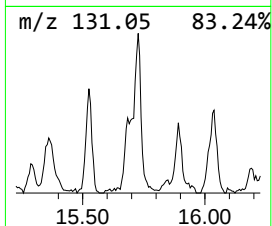
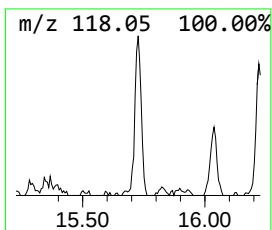
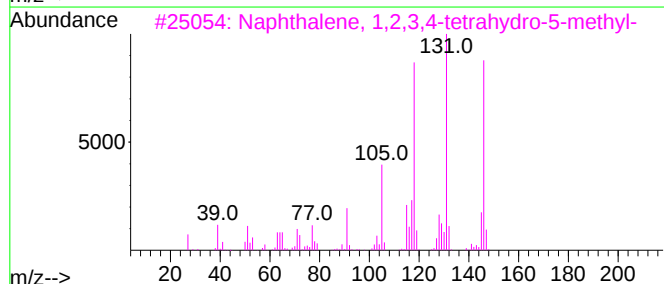
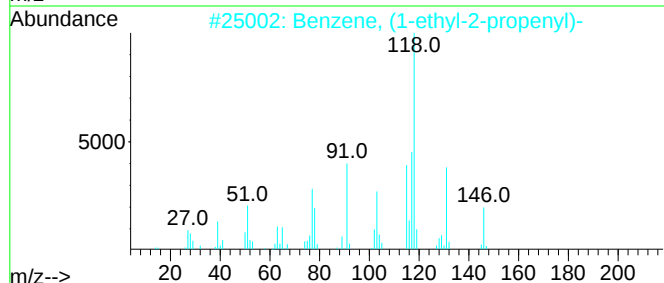
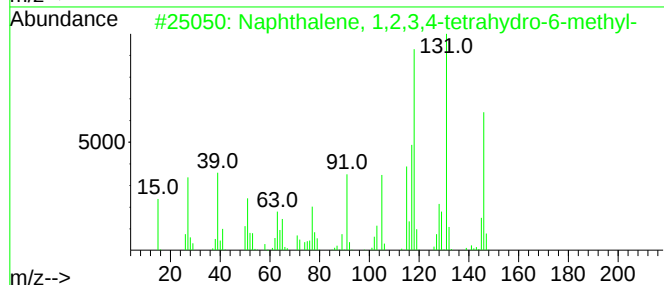
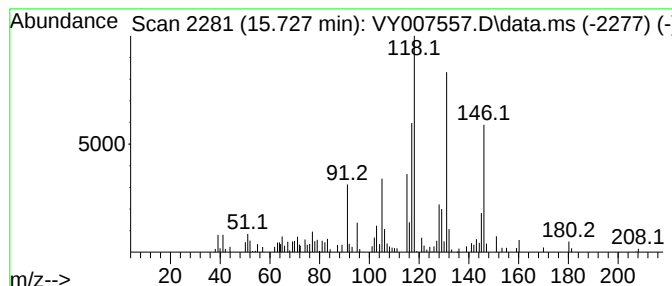
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.727 | 7.35 ug/l | 58127 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9  | 93   |
| 2    |    |   | Benzene, (1-ethyl-2-propenyl)-      | 146 | C11H14   | 019947-22-9  | 90   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5  | 83   |
| 4    |    |   | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3  | 58   |
| 5    |    |   | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14   | 1010189-31-0 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

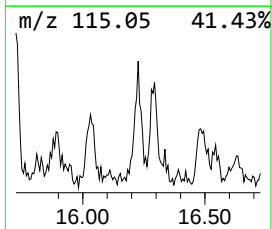
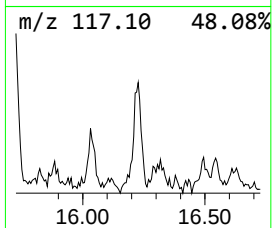
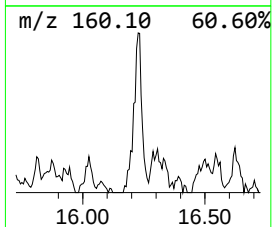
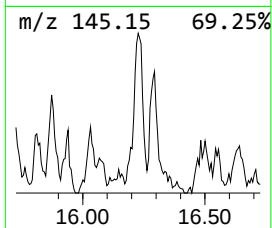
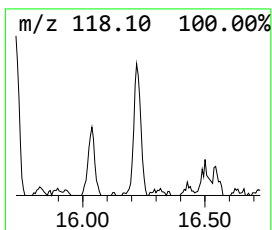
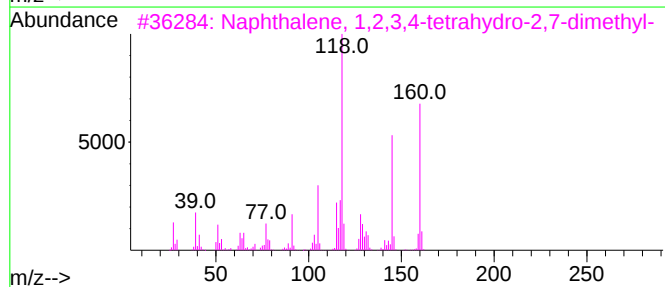
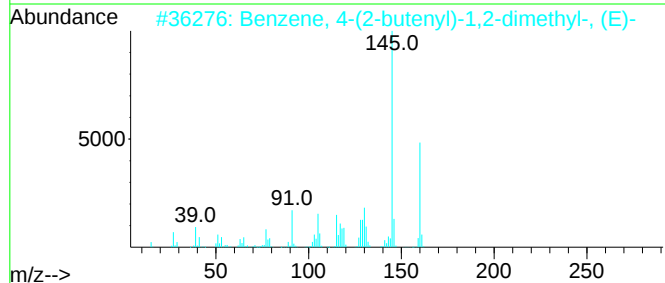
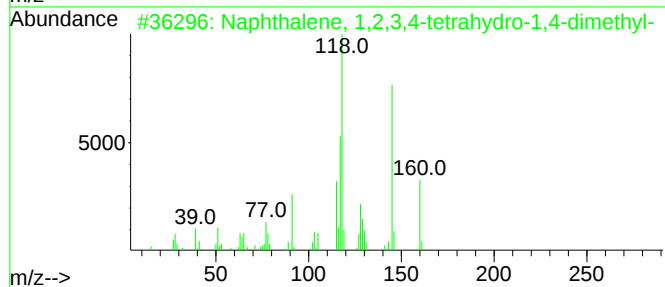
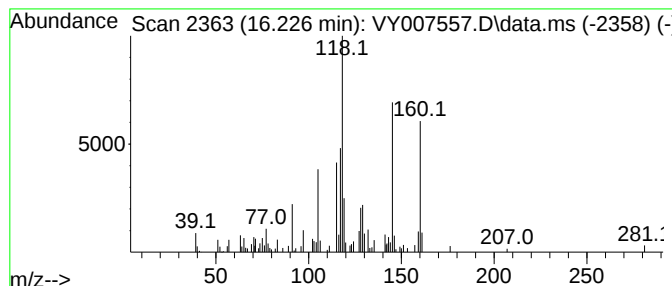
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.227 | 5.45 ug/l | 43144 | 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 | 93   |
| 2    |    |   | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16  | 054340-86-2 | 83   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 013065-07-1 | 81   |
| 4    |    |   | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16  | 054340-85-1 | 70   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 007524-63-2 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007557.D  
Acq On : 18 Feb 2022 19:58  
Operator : SY/MD  
Sample : N1594-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-CONCRETE-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.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 |
| Undecane           | 13.751 | 11.0    | ug/l  | 86921    | 4                     | 13.422 | 395616 | 50.0 |
| Naphthalene, de... | 14.257 | 5.5     | ug/l  | 43241    | 4                     | 13.422 | 395616 | 50.0 |
| Dodecane           | 14.611 | 11.5    | ug/l  | 90968    | 4                     | 13.422 | 395616 | 50.0 |
| Benzene, 1-meth... | 14.684 | 8.3     | ug/l  | 65547    | 4                     | 13.422 | 395616 | 50.0 |
| unknown14.733      | 14.733 | 6.1     | ug/l  | 48092    | 4                     | 13.422 | 395616 | 50.0 |
| Naphthalene, 1,... | 14.836 | 6.5     | ug/l  | 51170    | 4                     | 13.422 | 395616 | 50.0 |
| Tridecane          | 15.434 | 9.7     | ug/l  | 77093    | 4                     | 13.422 | 395616 | 50.0 |
| Naphthalene, 1,... | 15.727 | 7.3     | ug/l  | 58127    | 4                     | 13.422 | 395616 | 50.0 |
| Naphthalene, 1,... | 16.227 | 5.5     | ug/l  | 43144    | 4                     | 13.422 | 395616 | 50.0 |