

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
 Data File : VY015316.D  
 Acq On : 24 Aug 2023 16:55  
 Operator : SY/MD  
 Sample : 04119-01  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT2674

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\82Y081423S.M  
 Title : SW846 8260

Signal : TIC: VY015316.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.710       | 464           | 474         | 486          | rBV3     | 15805          | 48799         | 1.32%           | 0.097%        |
| 2         | 5.747       | 630           | 644         | 656          | rBV3     | 16831          | 53072         | 1.43%           | 0.105%        |
| 3         | 6.978       | 832           | 846         | 861          | rBV      | 56120          | 173474        | 4.68%           | 0.344%        |
| 4         | 7.716       | 957           | 967         | 973          | rBV      | 99564          | 236181        | 6.37%           | 0.469%        |
| 5         | 7.789       | 973           | 979         | 990          | rVB      | 167923         | 376091        | 10.14%          | 0.746%        |
| 6         | 8.143       | 1026          | 1037        | 1049         | rBV      | 105731         | 236568        | 6.38%           | 0.470%        |
| 7         | 8.691       | 1118          | 1127        | 1138         | rBV      | 251035         | 495836        | 13.36%          | 0.984%        |
| 8         | 10.179      | 1362          | 1371        | 1380         | rBV      | 405105         | 680847        | 18.35%          | 1.351%        |
| 9         | 11.282      | 1543          | 1552        | 1563         | rVB6     | 18383          | 49910         | 1.35%           | 0.099%        |
| 10        | 11.490      | 1579          | 1586        | 1595         | rBV      | 371071         | 602231        | 16.23%          | 1.195%        |
| 11        | 11.709      | 1611          | 1622        | 1630         | rBV2     | 115517         | 224849        | 6.06%           | 0.446%        |
| 12        | 12.002      | 1663          | 1670        | 1678         | rBV5     | 49100          | 150644        | 4.06%           | 0.299%        |
| 13        | 12.124      | 1685          | 1690        | 1694         | rVB      | 79762          | 106844        | 2.88%           | 0.212%        |
| 14        | 12.203      | 1698          | 1703        | 1705         | rBV3     | 36438          | 60540         | 1.63%           | 0.120%        |
| 15        | 12.239      | 1705          | 1709        | 1714         | rVB3     | 65604          | 125852        | 3.39%           | 0.250%        |
| 16        | 12.386      | 1725          | 1733        | 1734         | rBV5     | 42292          | 83039         | 2.24%           | 0.165%        |
| 17        | 12.410      | 1734          | 1737        | 1740         | rVV      | 110246         | 183811        | 4.95%           | 0.365%        |
| 18        | 12.441      | 1740          | 1742        | 1745         | rVV      | 107496         | 122937        | 3.31%           | 0.244%        |
| 19        | 12.483      | 1745          | 1749        | 1753         | rVV2     | 309931         | 485016        | 13.07%          | 0.963%        |
| 20        | 12.520      | 1753          | 1755        | 1760         | rVB      | 114547         | 144204        | 3.89%           | 0.286%        |
| 21        | 12.642      | 1772          | 1775        | 1782         | rVB4     | 60804          | 121522        | 3.28%           | 0.241%        |
| 22        | 12.733      | 1782          | 1790        | 1793         | rBV4     | 146635         | 290227        | 7.82%           | 0.576%        |
| 23        | 12.806      | 1793          | 1802        | 1807         | rBV2     | 1046448        | 1690115       | 45.55%          | 3.354%        |
| 24        | 12.861      | 1807          | 1811        | 1815         | rVB2     | 118894         | 184893        | 4.98%           | 0.367%        |
| 25        | 12.959      | 1821          | 1827        | 1828         | rBV2     | 107738         | 181108        | 4.88%           | 0.359%        |
| 26        | 13.008      | 1832          | 1835        | 1836         | rBV2     | 51356          | 50006         | 1.35%           | 0.099%        |
| 27        | 13.038      | 1836          | 1840        | 1846         | rVB      | 433797         | 652956        | 17.60%          | 1.296%        |
| 28        | 13.117      | 1846          | 1853        | 1858         | rBV2     | 214268         | 422999        | 11.40%          | 0.840%        |
| 29        | 13.166      | 1858          | 1861        | 1866         | rBV2     | 94522          | 147400        | 3.97%           | 0.293%        |
| 30        | 13.221      | 1866          | 1870        | 1873         | rBV2     | 102837         | 163712        | 4.41%           | 0.325%        |
| 31        | 13.319      | 1878          | 1886        | 1889         | rBV4     | 388669         | 825509        | 22.25%          | 1.638%        |
| 32        | 13.361      | 1889          | 1893        | 1896         | rBV3     | 301760         | 385646        | 10.39%          | 0.765%        |
| 33        | 13.398      | 1896          | 1899        | 1900         | rBV      | 143594         | 146769        | 3.96%           | 0.291%        |
| 34        | 13.428      | 1900          | 1904        | 1912         | rVB3     | 643350         | 1212804       | 32.69%          | 2.407%        |
| 35        | 13.501      | 1912          | 1916        | 1920         | rBV2     | 328243         | 411610        | 11.09%          | 0.817%        |
| 36        | 13.562      | 1922          | 1926        | 1928         | rBV4     | 59905          | 89781         | 2.42%           | 0.178%        |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT2674

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\82Y081423S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 13.623 | 1929 | 1936 | 1939 | rBV2 | 331805  | 519371  | 14.00%  | 1.031% |
| 38 | 13.666 | 1939 | 1943 | 1951 | rVB2 | 303859  | 559768  | 15.09%  | 1.111% |
| 39 | 13.751 | 1951 | 1957 | 1961 | rBV  | 2608431 | 3710300 | 100.00% | 7.364% |
| 40 | 13.794 | 1961 | 1964 | 1966 | rBV2 | 116848  | 135276  | 3.65%   | 0.268% |
| 41 | 13.916 | 1980 | 1984 | 1989 | rVB3 | 374036  | 545069  | 14.69%  | 1.082% |
| 42 | 13.971 | 1989 | 1993 | 1997 | rVB  | 416943  | 593242  | 15.99%  | 1.177% |
| 43 | 14.014 | 1997 | 2000 | 2005 | rVB2 | 358319  | 524688  | 14.14%  | 1.041% |
| 44 | 14.074 | 2005 | 2010 | 2015 | rBV3 | 644220  | 1044280 | 28.15%  | 2.073% |
| 45 | 14.142 | 2015 | 2021 | 2027 | rBV6 | 295884  | 746740  | 20.13%  | 1.482% |
| 46 | 14.202 | 2027 | 2031 | 2032 | rBV  | 163538  | 232526  | 6.27%   | 0.461% |
| 47 | 14.251 | 2032 | 2039 | 2046 | rVV7 | 771697  | 2264905 | 61.04%  | 4.495% |
| 48 | 14.312 | 2046 | 2049 | 2056 | rVB3 | 505416  | 969967  | 26.14%  | 1.925% |
| 49 | 14.379 | 2056 | 2060 | 2064 | rBV3 | 677922  | 1004126 | 27.06%  | 1.993% |
| 50 | 14.422 | 2064 | 2067 | 2071 | rVB2 | 499387  | 637058  | 17.17%  | 1.264% |
| 51 | 14.477 | 2072 | 2076 | 2080 | rBV4 | 228134  | 352509  | 9.50%   | 0.700% |
| 52 | 14.520 | 2080 | 2083 | 2086 | rVB  | 219570  | 256586  | 6.92%   | 0.509% |
| 53 | 14.562 | 2086 | 2090 | 2092 | rBV2 | 266043  | 371976  | 10.03%  | 0.738% |
| 54 | 14.611 | 2093 | 2098 | 2103 | rVB  | 2775317 | 3666844 | 98.83%  | 7.278% |
| 55 | 14.684 | 2103 | 2110 | 2114 | rBV4 | 1115694 | 2450672 | 66.05%  | 4.864% |
| 56 | 14.727 | 2114 | 2117 | 2124 | rVB2 | 1291687 | 2115243 | 57.01%  | 4.198% |
| 57 | 14.837 | 2131 | 2135 | 2139 | rVB2 | 428926  | 632086  | 17.04%  | 1.254% |
| 58 | 14.940 | 2148 | 2152 | 2156 | rVB4 | 491334  | 692014  | 18.65%  | 1.373% |
| 59 | 15.050 | 2164 | 2170 | 2175 | rBV7 | 426530  | 1028476 | 27.72%  | 2.041% |
| 60 | 15.135 | 2181 | 2184 | 2190 | rVB5 | 597873  | 1048495 | 28.26%  | 2.081% |
| 61 | 15.208 | 2191 | 2196 | 2203 | rBV2 | 881988  | 1739157 | 46.87%  | 3.452% |
| 62 | 15.294 | 2206 | 2210 | 2214 | rVV3 | 513484  | 951686  | 25.65%  | 1.889% |
| 63 | 15.343 | 2214 | 2218 | 2229 | rVV8 | 569223  | 1752820 | 47.24%  | 3.479% |
| 64 | 15.434 | 2229 | 2233 | 2241 | rVB2 | 1522500 | 2360277 | 63.61%  | 4.684% |
| 65 | 15.532 | 2242 | 2249 | 2255 | rBV4 | 400044  | 1183276 | 31.89%  | 2.348% |
| 66 | 15.727 | 2277 | 2281 | 2287 | rVB3 | 701667  | 1255427 | 33.84%  | 2.492% |
| 67 | 16.031 | 2325 | 2331 | 2336 | rVB6 | 454787  | 923424  | 24.89%  | 1.833% |
| 68 | 16.153 | 2348 | 2351 | 2357 | rVB3 | 277676  | 429951  | 11.59%  | 0.853% |
| 69 | 16.227 | 2358 | 2363 | 2369 | rBV2 | 458261  | 897617  | 24.19%  | 1.781% |
| 70 | 16.361 | 2381 | 2385 | 2394 | rVB2 | 328439  | 618301  | 16.66%  | 1.227% |
| 71 | 16.476 | 2400 | 2404 | 2412 | rBV8 | 252680  | 553606  | 14.92%  | 1.099% |

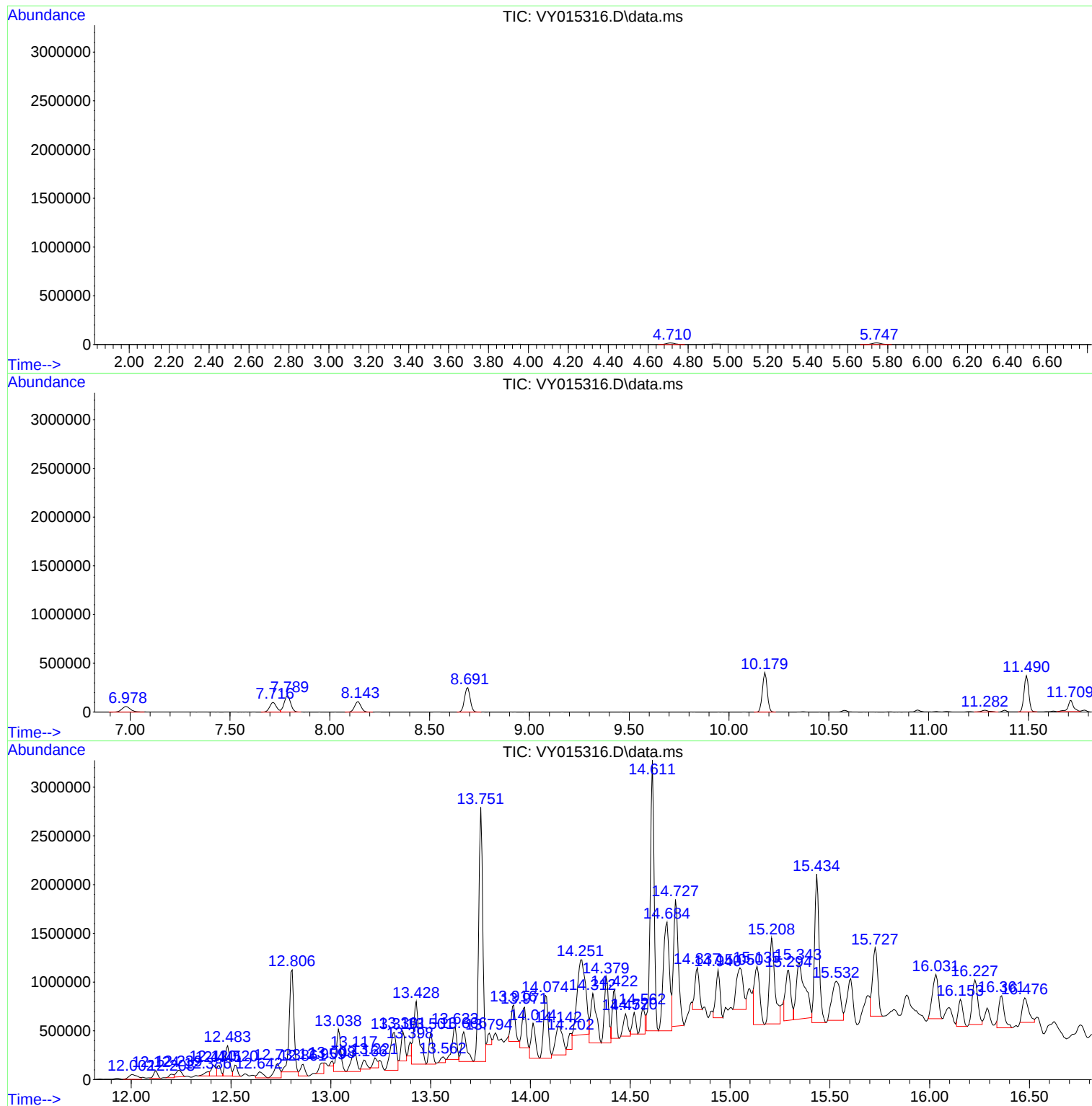
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Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
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Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

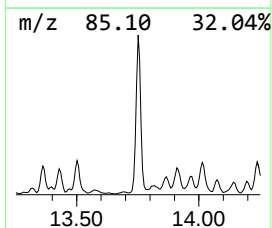
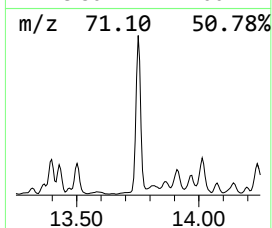
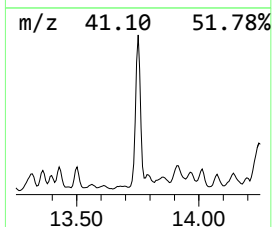
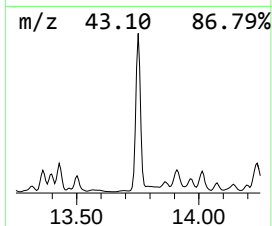
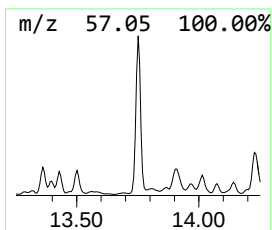
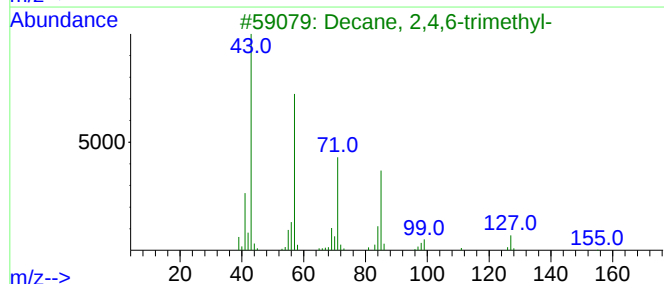
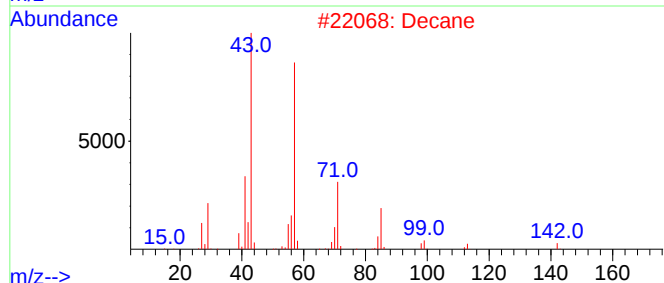
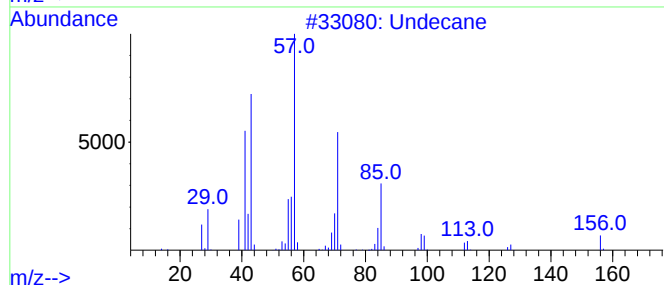
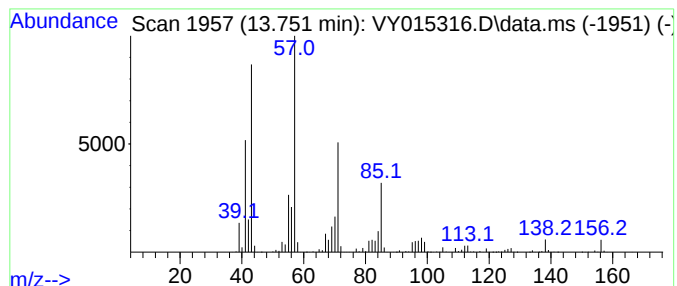
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Undecane Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.751 | 152.96 ug/l | 3710300 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of                               | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|----------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Undecane                         |   |              | 156 | C11H24   | 001120-21-4  | 94   |
| 2    | Decane                           |   |              | 142 | C10H22   | 000124-18-5  | 72   |
| 3    | Decane, 2,4,6-trimethyl-         |   |              | 184 | C13H28   | 062108-27-4  | 59   |
| 4    | Hexadecane                       |   |              | 226 | C16H34   | 000544-76-3  | 59   |
| 5    | Carbonic acid, nonyl vinyl ester |   |              | 214 | C12H22O3 | 1000383-25-6 | 59   |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

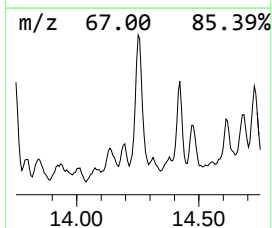
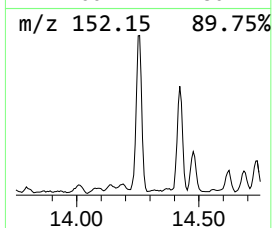
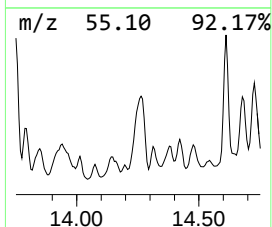
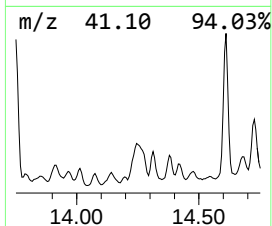
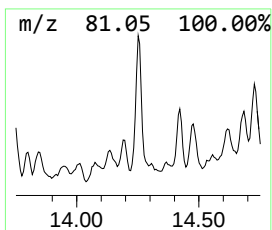
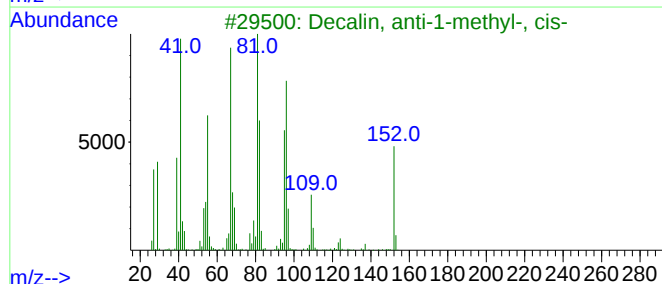
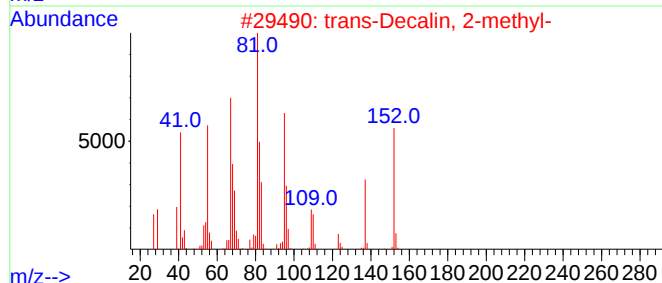
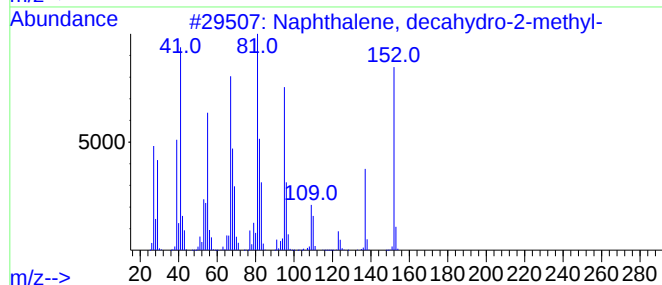
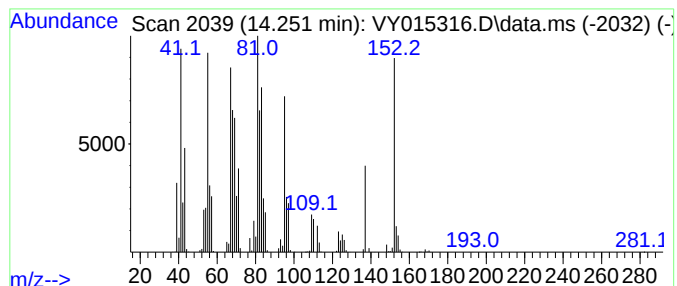
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 5

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.251 | 93.37 ug/l | 2264910 | 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  | 96   |
| 2    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 93   |
| 3    |    |   | Decalin, anti-1-methyl-, cis-       | 152 | C11H20  | 1000158-89-0 | 64   |
| 4    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 64   |
| 5    |    |   | Decalin, syn-1-methyl-, cis-        | 152 | C11H20  | 1000158-89-1 | 58   |



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MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

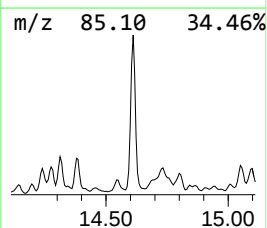
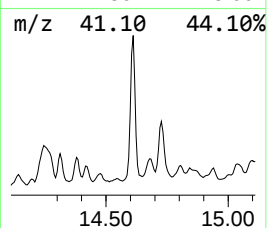
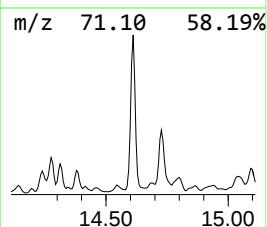
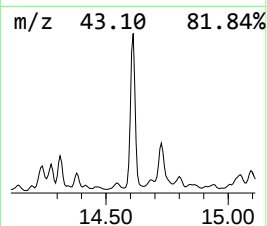
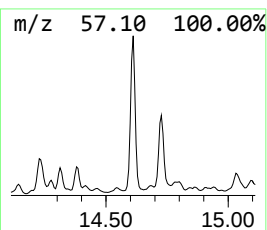
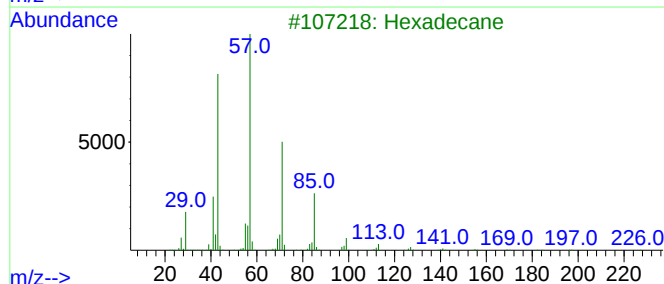
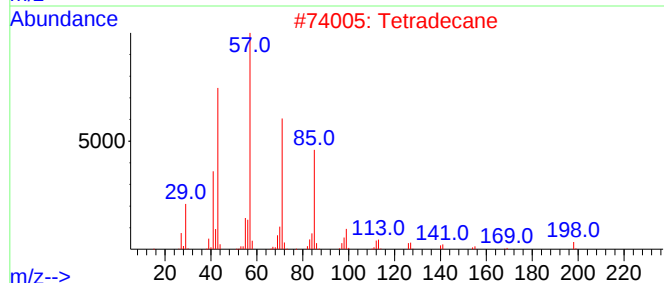
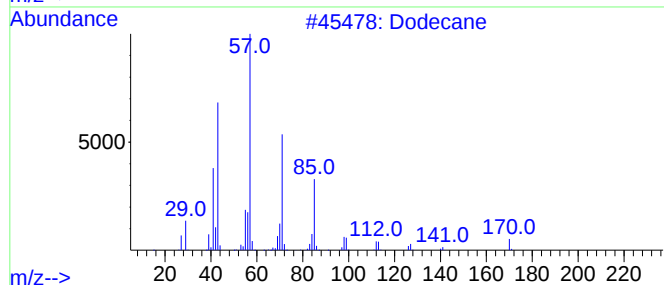
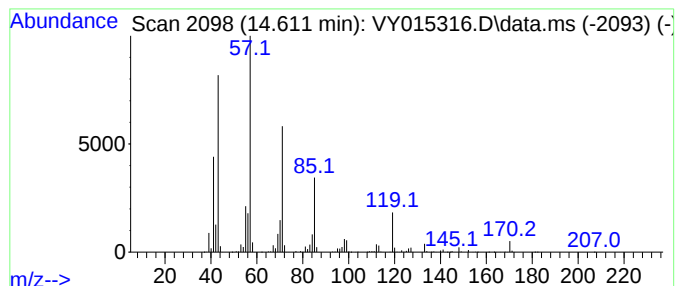
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Dodecane Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.611 | 151.17 ug/l | 3666840 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane     | 170 | C12H26  | 000112-40-3 | 93   |
| 2    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 72   |
| 3    |    |   | Hexadecane   | 226 | C16H34  | 000544-76-3 | 72   |
| 4    |    |   | Undecane     | 156 | C11H24  | 001120-21-4 | 64   |
| 5    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 64   |



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Data File : VY015316.D  
Acq On : 24 Aug 2023 16:55  
Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

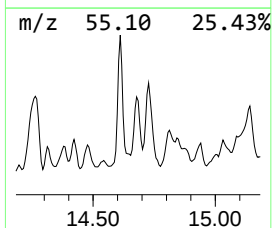
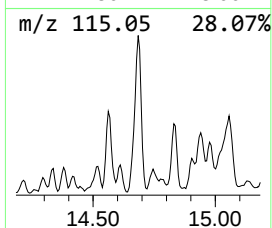
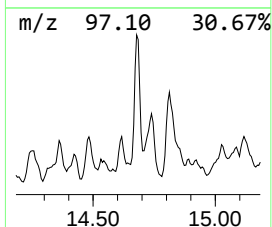
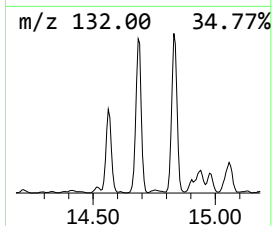
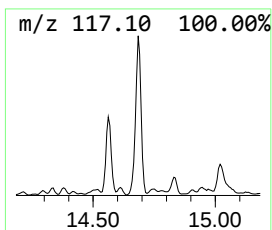
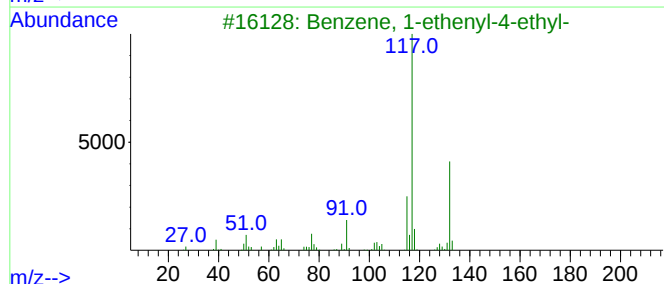
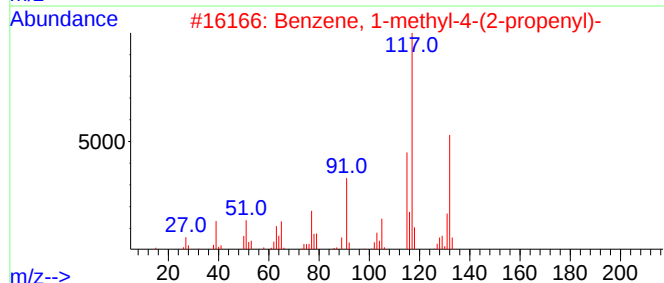
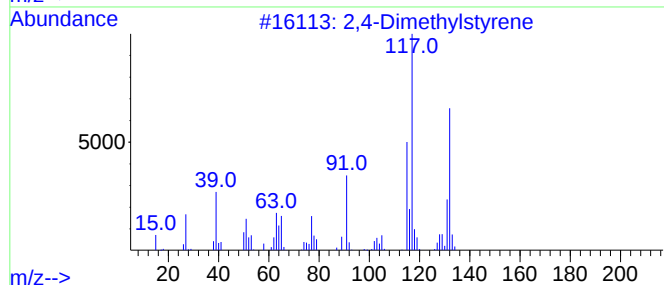
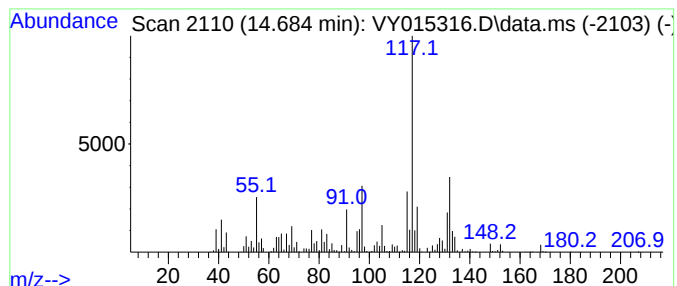
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 2,4-Dimethylstyrene Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.684 | 101.03 ug/l | 2450670 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,4-Dimethylstyrene               | 132 | C10H12  | 002234-20-0 | 87   |
| 2    |    |   | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 86   |
| 3    |    |   | Benzene, 1-ethenyl-4-ethyl-       | 132 | C10H12  | 003454-07-7 | 70   |
| 4    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 70   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 | C10H12  | 000824-22-6 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
Data File : VY015316.D  
Acq On : 24 Aug 2023 16:55  
Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

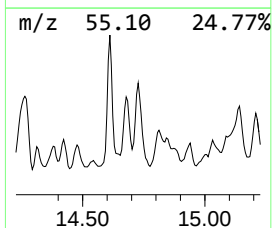
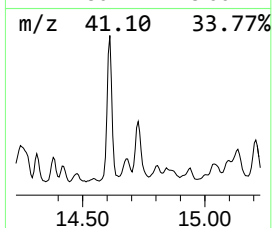
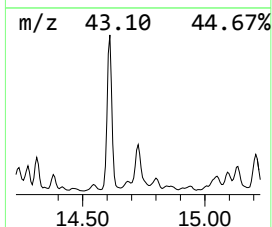
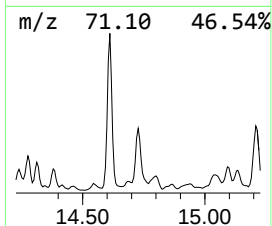
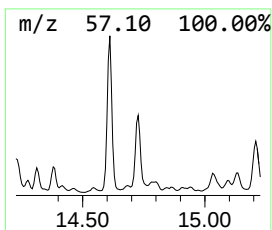
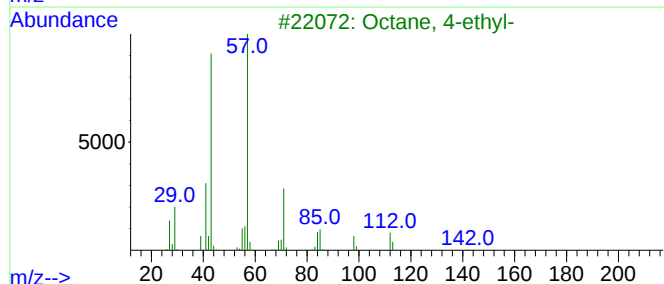
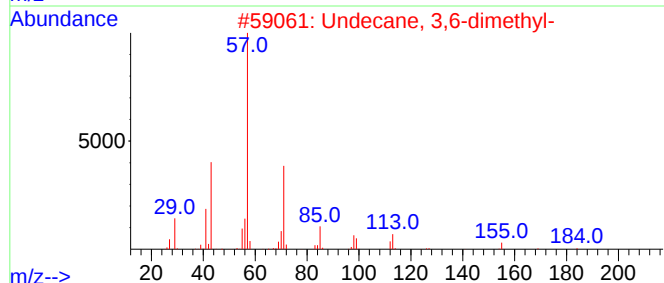
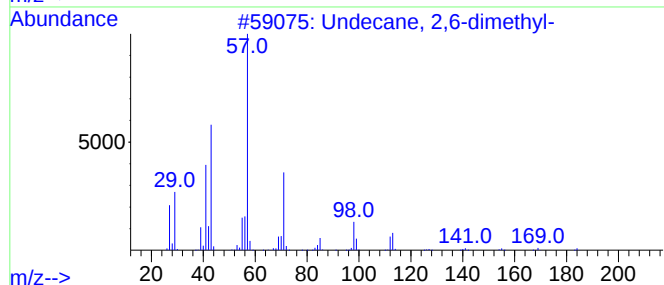
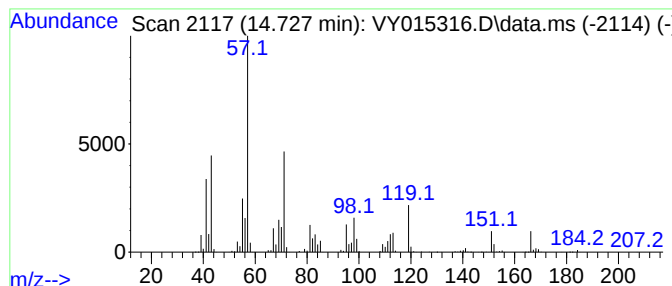
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TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.727 | 87.20 ug/l | 2115240 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-           | 184 | C13H28    | 017301-23-4  | 78   |
| 2    |    |   | Undecane, 3,6-dimethyl-           | 184 | C13H28    | 017301-28-9  | 49   |
| 3    |    |   | Octane, 4-ethyl-                  | 142 | C10H22    | 015869-86-0  | 43   |
| 4    |    |   | Sulfurous acid, butyl octyl ester | 250 | C12H26O3S | 1000309-17-5 | 43   |
| 5    |    |   | Heptane, 3-ethyl-5-methyl-        | 142 | C10H22    | 052896-90-9  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
Data File : VY015316.D  
Acq On : 24 Aug 2023 16:55  
Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

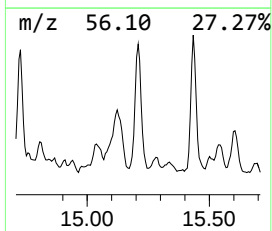
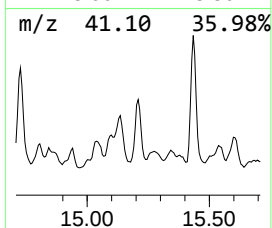
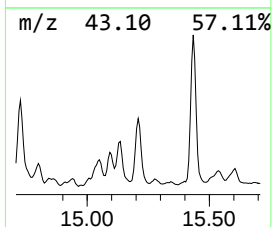
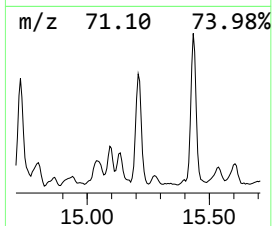
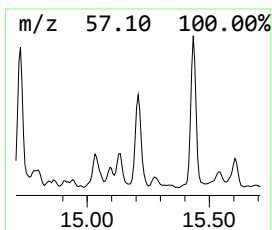
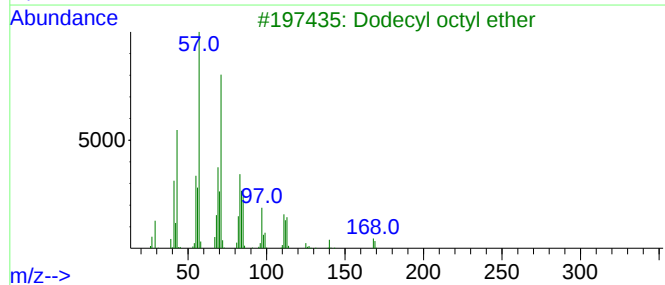
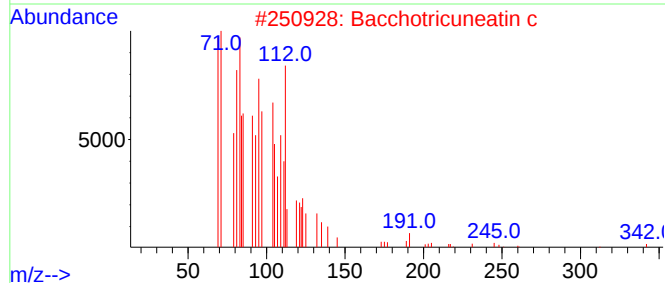
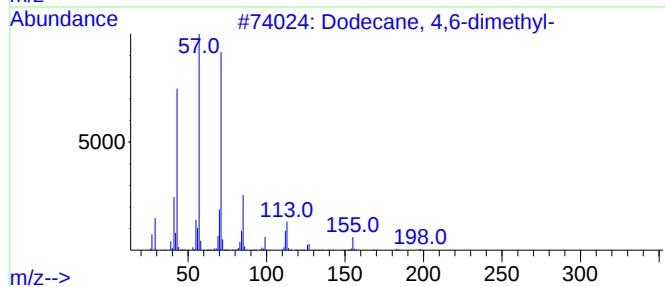
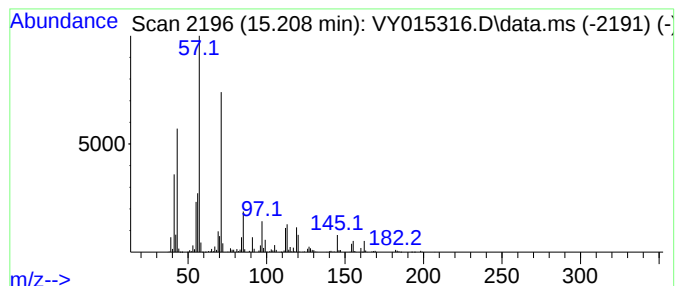
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Quant Title : SW846 8260

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

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Peak Number 6 Dodecane, 4,6-dimethyl- Concentration Rank 8

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.208 | 71.70 ug/l | 1739160 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane, 4,6-dimethyl-             | 198 | C14H30    | 061141-72-8  | 86   |
| 2    |    |   | Bacchotricuneatin c                 | 342 | C20H22O5  | 066563-30-2  | 83   |
| 3    |    |   | Dodecyl octyl ether                 | 298 | C20H42O   | 1000406-38-4 | 80   |
| 4    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 72   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl und... | 348 | C19H40O3S | 1000309-19-4 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
Data File : VY015316.D  
Acq On : 24 Aug 2023 16:55  
Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

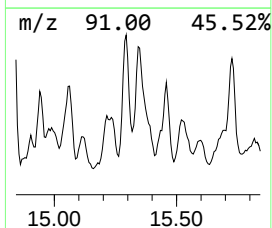
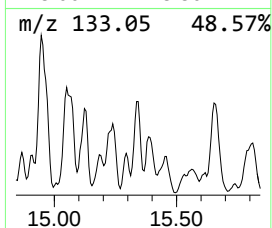
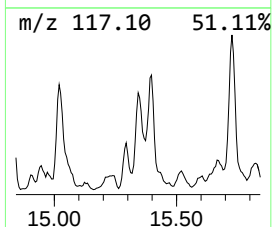
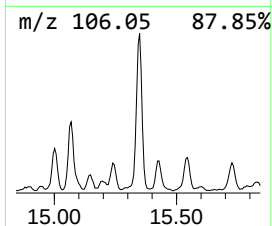
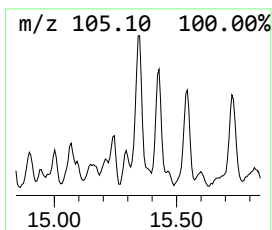
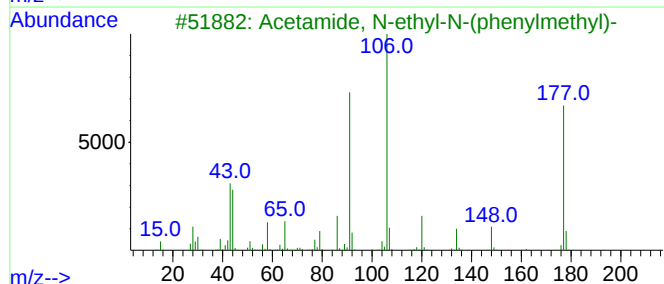
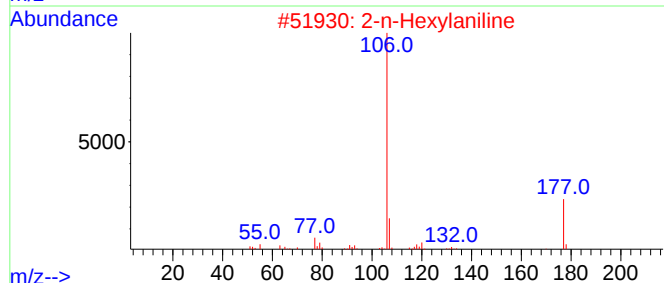
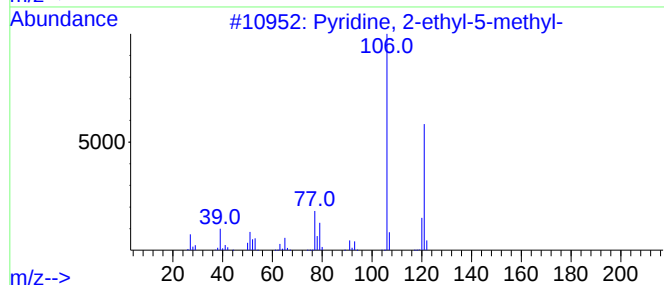
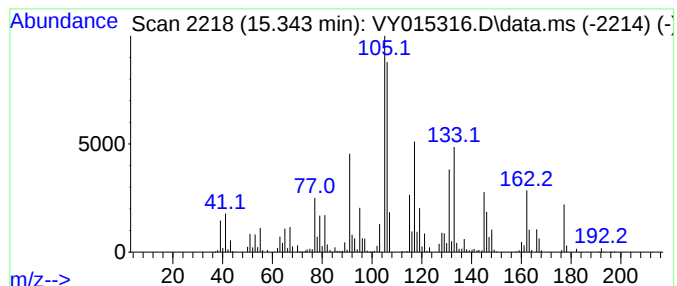
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Quant Title : SW846 8260

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

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Peak Number 7 unknown15.342 Concentration Rank 7

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.342 | 72.26 ug/l | 1752820 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Pyridine, 2-ethyl-5-methyl-         | 121 | C8H11N   | 018113-81-0 | 25   |
| 2    |    |   | 2-n-Hexylaniline                    | 177 | C12H19N  | 038409-55-1 | 14   |
| 3    |    |   | Acetamide, N-ethyl-N-(phenylmeth... | 177 | C11H15NO | 034597-04-1 | 14   |
| 4    |    |   | 1,3-Dioxane, 4-phenyl-              | 164 | C10H12O2 | 000772-00-9 | 14   |
| 5    |    |   | Benzene, 1-methyl-2-(1-ethylprop... | 162 | C12H18   | 054410-74-1 | 11   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
Data File : VY015316.D  
Acq On : 24 Aug 2023 16:55  
Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

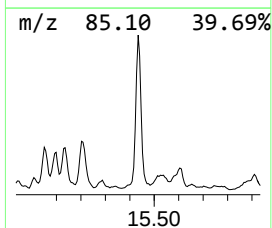
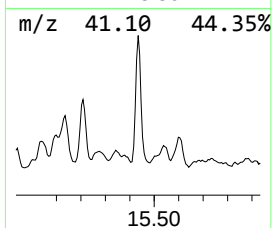
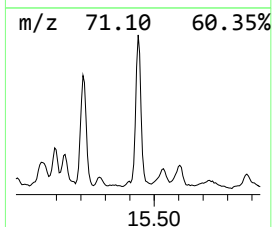
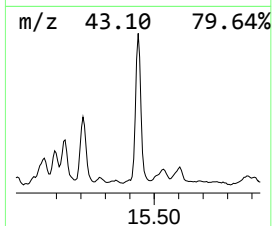
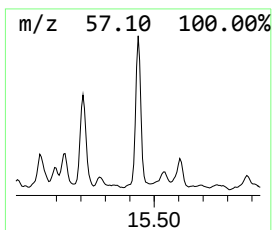
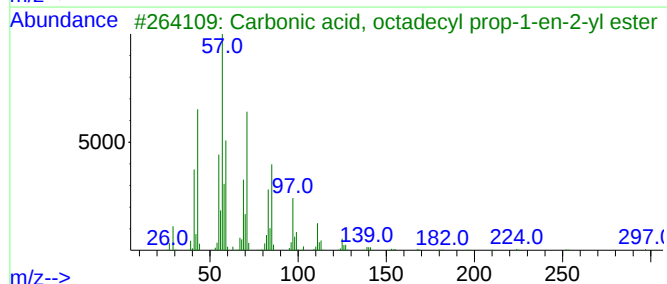
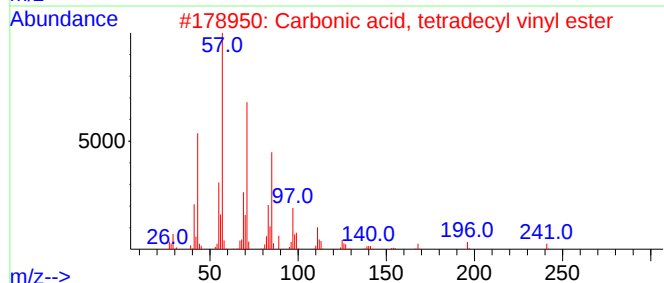
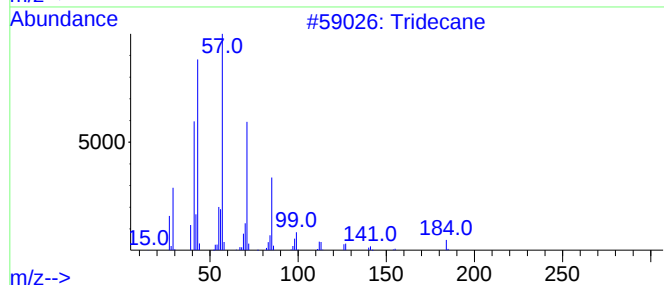
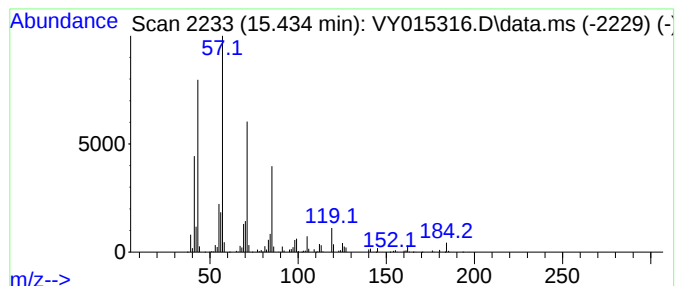
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tridecane Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.434 | 97.31 ug/l | 2360280 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tridecane                           | 184 | C13H28   | 000629-50-5  | 93   |
| 2    |    |   | Carbonic acid, tetradecyl vinyl ... | 284 | C17H32O3 | 1000382-54-5 | 80   |
| 3    |    |   | Carbonic acid, octadecyl prop-1-... | 354 | C22H42O3 | 1000383-11-5 | 80   |
| 4    |    |   | Dodecane                            | 170 | C12H26   | 000112-40-3  | 72   |
| 5    |    |   | Tetradecane                         | 198 | C14H30   | 000629-59-4  | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
Data File : VY015316.D  
Acq On : 24 Aug 2023 16:55  
Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

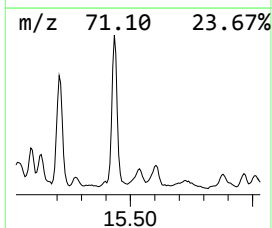
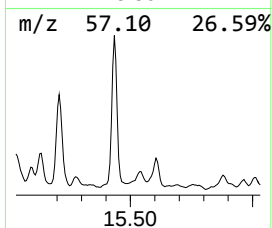
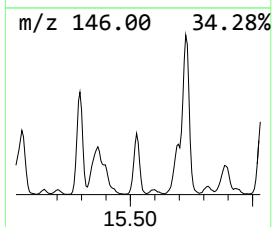
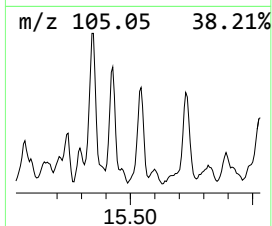
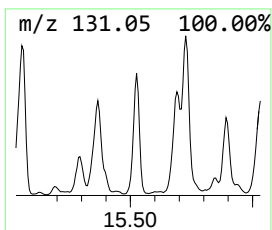
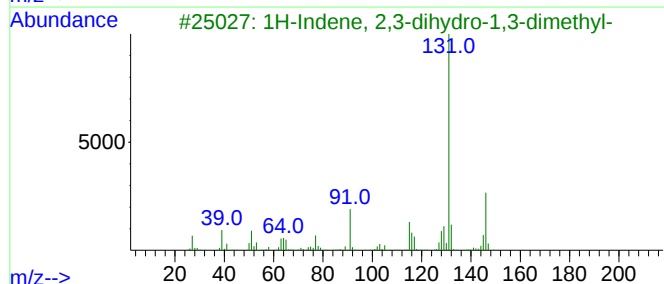
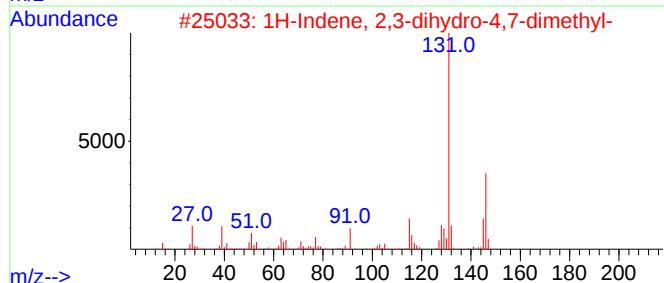
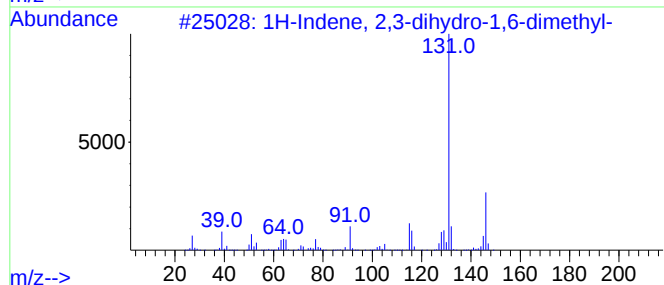
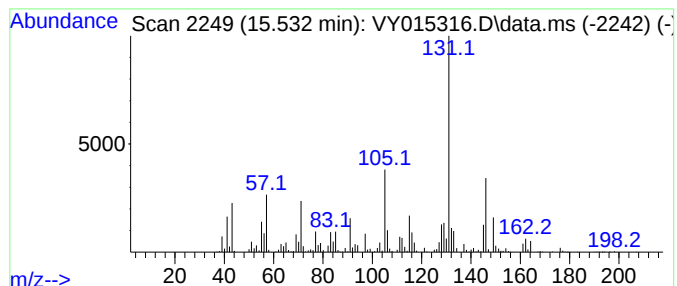
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

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

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Peak Number 9 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 10

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.531 | 48.78 ug/l | 1183280 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 90   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 90   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 81   |
| 4    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 81   |
| 5    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
Data File : VY015316.D  
Acq On : 24 Aug 2023 16:55  
Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

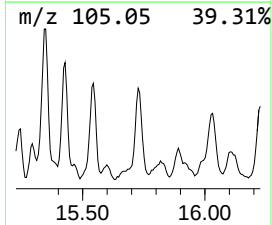
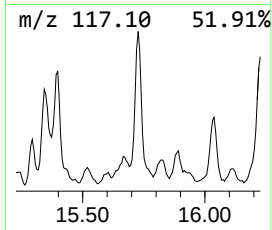
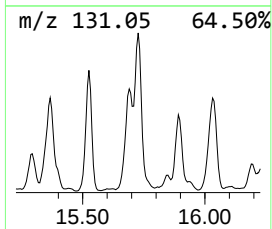
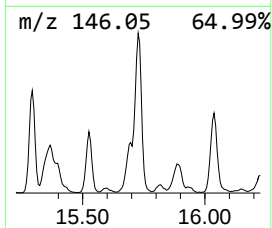
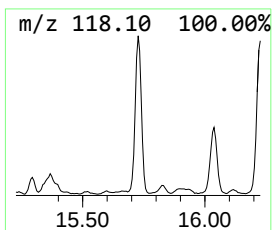
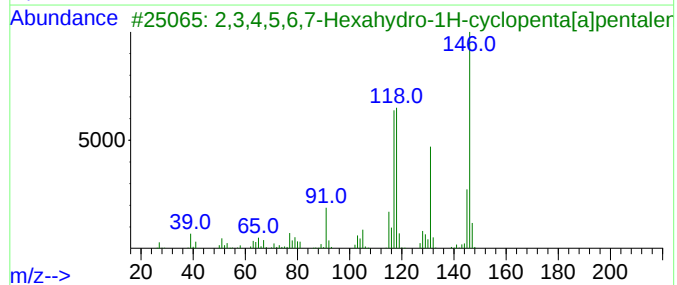
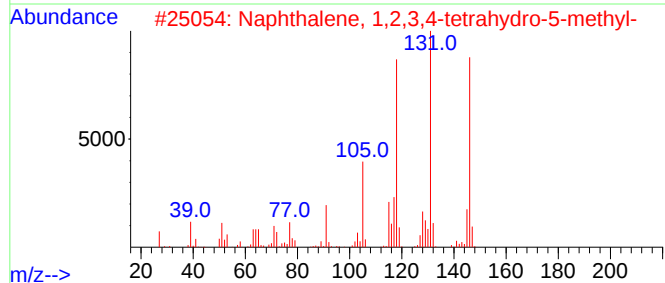
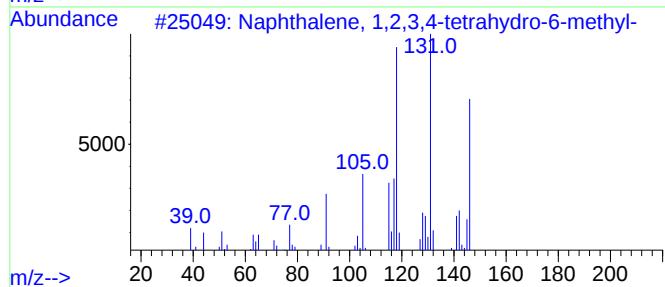
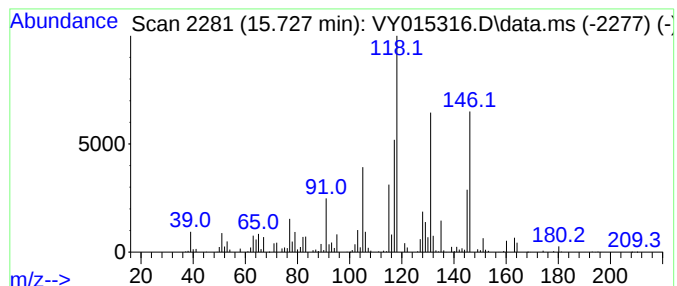
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 9

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.727 | 51.76 ug/l | 1255430 | 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  | 90   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5  | 83   |
| 3    |    |   | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14  | 1010189-31-0 | 50   |
| 4    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3  | 38   |
| 5    |    |   | 3-Buten-2-one, 4-phenyl-            | 146 | C10H10O | 000122-57-6  | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
Data File : VY015316.D  
Acq On : 24 Aug 2023 16:55  
Operator : SY/MD  
Sample : 04119-01  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2674

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.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 | 153.0   | ug/l  | 3710300  | 4                     | 13.422 | 1212800 | 50.0 |
| Naphthalene, de... | 14.251 | 93.4    | ug/l  | 2264910  | 4                     | 13.422 | 1212800 | 50.0 |
| Dodecane           | 14.611 | 151.2   | ug/l  | 3666840  | 4                     | 13.422 | 1212800 | 50.0 |
| 2,4-Dimethylsty... | 14.684 | 101.0   | ug/l  | 2450670  | 4                     | 13.422 | 1212800 | 50.0 |
| Undecane, 2,6-d... | 14.727 | 87.2    | ug/l  | 2115240  | 4                     | 13.422 | 1212800 | 50.0 |
| Dodecane, 4,6-d... | 15.208 | 71.7    | ug/l  | 1739160  | 4                     | 13.422 | 1212800 | 50.0 |
| unknown15.342      | 15.342 | 72.3    | ug/l  | 1752820  | 4                     | 13.422 | 1212800 | 50.0 |
| Tridecane          | 15.434 | 97.3    | ug/l  | 2360280  | 4                     | 13.422 | 1212800 | 50.0 |
| 1H-Indene, 2,3-... | 15.531 | 48.8    | ug/l  | 1183280  | 4                     | 13.422 | 1212800 | 50.0 |
| Naphthalene, 1,... | 15.727 | 51.8    | ug/l  | 1255430  | 4                     | 13.422 | 1212800 | 50.0 |