

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
 Data File : VY004017.D  
 Acq On : 11 Feb 2021 21:26  
 Operator : SY/MD  
 Sample : M1398-05  
 Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VCP-SS-5-SOIL

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\82Y012821S.M  
 Title : SW846 8260

Signal : TIC: VY004017.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         | 4.716       | 464           | 475         | 486          | rBV3     | 18293          | 57392         | 1.04%           | 0.062%        |
| 2         | 7.722       | 958           | 968         | 973          | rBV      | 195428         | 463824        | 8.39%           | 0.501%        |
| 3         | 7.795       | 973           | 980         | 990          | rVB      | 325688         | 748113        | 13.54%          | 0.807%        |
| 4         | 8.143       | 1026          | 1037        | 1047         | rBV      | 206679         | 444125        | 8.04%           | 0.479%        |
| 5         | 8.691       | 1118          | 1127        | 1138         | rBV      | 530018         | 1025571       | 18.56%          | 1.107%        |
| 6         | 10.179      | 1362          | 1371        | 1384         | rBV      | 873921         | 1530765       | 27.70%          | 1.652%        |
| 7         | 10.520      | 1422          | 1427        | 1433         | rVB      | 33561          | 59875         | 1.08%           | 0.065%        |
| 8         | 10.618      | 1433          | 1443        | 1449         | rBV3     | 39227          | 84306         | 1.53%           | 0.091%        |
| 9         | 11.032      | 1508          | 1511        | 1515         | rVB      | 48576          | 65489         | 1.19%           | 0.071%        |
| 10        | 11.087      | 1515          | 1520        | 1526         | rVB      | 96246          | 162328        | 2.94%           | 0.175%        |
| 11        | 11.197      | 1533          | 1538        | 1542         | rBV3     | 38790          | 72945         | 1.32%           | 0.079%        |
| 12        | 11.288      | 1542          | 1553        | 1562         | rVB5     | 80655          | 267337        | 4.84%           | 0.288%        |
| 13        | 11.374      | 1562          | 1567        | 1572         | rBV2     | 69577          | 118865        | 2.15%           | 0.128%        |
| 14        | 11.490      | 1579          | 1586        | 1596         | rBV      | 729547         | 1219621       | 22.07%          | 1.316%        |
| 15        | 11.624      | 1604          | 1608        | 1611         | rVV      | 56393          | 86021         | 1.56%           | 0.093%        |
| 16        | 11.679      | 1611          | 1617        | 1620         | rVV4     | 74785          | 187294        | 3.39%           | 0.202%        |
| 17        | 11.733      | 1622          | 1626        | 1630         | rVV      | 134485         | 262790        | 4.76%           | 0.284%        |
| 18        | 11.776      | 1630          | 1633        | 1638         | rVB      | 100599         | 153944        | 2.79%           | 0.166%        |
| 19        | 11.837      | 1638          | 1643        | 1647         | rBV4     | 31004          | 63883         | 1.16%           | 0.069%        |
| 20        | 11.929      | 1654          | 1658        | 1662         | rVB2     | 42853          | 66606         | 1.21%           | 0.072%        |
| 21        | 12.002      | 1662          | 1670        | 1677         | rBV4     | 226574         | 569006        | 10.30%          | 0.614%        |
| 22        | 12.117      | 1685          | 1689        | 1693         | rVB      | 226462         | 309999        | 5.61%           | 0.335%        |
| 23        | 12.203      | 1698          | 1703        | 1705         | rBV3     | 153044         | 272428        | 4.93%           | 0.294%        |
| 24        | 12.233      | 1705          | 1708        | 1713         | rVB4     | 201691         | 368841        | 6.67%           | 0.398%        |
| 25        | 12.325      | 1719          | 1723        | 1726         | rBV3     | 77180          | 146446        | 2.65%           | 0.158%        |
| 26        | 12.374      | 1728          | 1731        | 1734         | rVV3     | 90082          | 139238        | 2.52%           | 0.150%        |
| 27        | 12.410      | 1734          | 1737        | 1743         | rVB2     | 158082         | 264061        | 4.78%           | 0.285%        |
| 28        | 12.477      | 1743          | 1748        | 1753         | rBV      | 633012         | 982396        | 17.78%          | 1.060%        |
| 29        | 12.569      | 1759          | 1763        | 1767         | rBV5     | 61431          | 88860         | 1.61%           | 0.096%        |
| 30        | 12.642      | 1770          | 1775        | 1782         | rVB3     | 263408         | 579873        | 10.49%          | 0.626%        |
| 31        | 12.727      | 1782          | 1789        | 1793         | rBV4     | 272792         | 570172        | 10.32%          | 0.615%        |
| 32        | 12.800      | 1793          | 1801        | 1807         | rBV3     | 645447         | 1340397       | 24.26%          | 1.446%        |
| 33        | 12.855      | 1807          | 1810        | 1815         | rVB4     | 238044         | 362273        | 6.56%           | 0.391%        |
| 34        | 12.910      | 1815          | 1819        | 1821         | rBV3     | 52117          | 80374         | 1.45%           | 0.087%        |
| 35        | 12.947      | 1821          | 1825        | 1829         | rBV3     | 227781         | 411272        | 7.44%           | 0.444%        |
| 36        | 13.001      | 1831          | 1834        | 1836         | rBV2     | 110340         | 129084        | 2.34%           | 0.139%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
 Data File : VY004017.D  
 Acq On : 11 Feb 2021 21:26  
 Operator : SY/MD  
 Sample : M1398-05  
 Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VCP-SS-5-SOIL

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\82Y012821S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 13.038 | 1836 | 1840 | 1846 | rVB  | 877083  | 1313585 | 23.77%  | 1.417% |
| 38 | 13.117 | 1846 | 1853 | 1857 | rBV2 | 450741  | 861475  | 15.59%  | 0.930% |
| 39 | 13.166 | 1857 | 1861 | 1865 | rBV2 | 219463  | 340462  | 6.16%   | 0.367% |
| 40 | 13.221 | 1866 | 1870 | 1872 | rBV  | 204461  | 307654  | 5.57%   | 0.332% |
| 41 | 13.245 | 1872 | 1874 | 1878 | rVB2 | 253693  | 288610  | 5.22%   | 0.311% |
| 42 | 13.312 | 1878 | 1885 | 1889 | rBV3 | 649415  | 1371584 | 24.82%  | 1.480% |
| 43 | 13.361 | 1889 | 1893 | 1896 | rVB3 | 373269  | 496165  | 8.98%   | 0.535% |
| 44 | 13.422 | 1896 | 1903 | 1906 | rBV2 | 679605  | 1121976 | 20.30%  | 1.211% |
| 45 | 13.495 | 1912 | 1915 | 1918 | rBV2 | 116382  | 141438  | 2.56%   | 0.153% |
| 46 | 13.562 | 1922 | 1926 | 1928 | rVV4 | 160378  | 246121  | 4.45%   | 0.266% |
| 47 | 13.587 | 1928 | 1930 | 1932 | rVV  | 192217  | 236291  | 4.28%   | 0.255% |
| 48 | 13.617 | 1932 | 1935 | 1939 | rVB  | 460295  | 657525  | 11.90%  | 0.710% |
| 49 | 13.666 | 1939 | 1943 | 1950 | rBV3 | 337909  | 640500  | 11.59%  | 0.691% |
| 50 | 13.745 | 1950 | 1956 | 1961 | rBV3 | 1403736 | 2485820 | 44.99%  | 2.682% |
| 51 | 13.794 | 1961 | 1964 | 1967 | rVV4 | 216360  | 284540  | 5.15%   | 0.307% |
| 52 | 13.910 | 1979 | 1983 | 1988 | rVB4 | 701552  | 1044181 | 18.90%  | 1.127% |
| 53 | 13.965 | 1988 | 1992 | 1996 | rVB  | 1206727 | 1657405 | 29.99%  | 1.789% |
| 54 | 14.013 | 1996 | 2000 | 2005 | rVB2 | 730231  | 1133655 | 20.52%  | 1.223% |
| 55 | 14.074 | 2005 | 2010 | 2015 | rVB3 | 1440939 | 2203315 | 39.87%  | 2.378% |
| 56 | 14.142 | 2015 | 2021 | 2026 | rBV6 | 596037  | 1214544 | 21.98%  | 1.311% |
| 57 | 14.196 | 2026 | 2030 | 2032 | rBV3 | 379760  | 598332  | 10.83%  | 0.646% |
| 58 | 14.257 | 2033 | 2040 | 2044 | rBV6 | 1098899 | 2358554 | 42.68%  | 2.545% |
| 59 | 14.331 | 2050 | 2052 | 2056 | rVB  | 580722  | 673141  | 12.18%  | 0.726% |
| 60 | 14.373 | 2056 | 2059 | 2062 | rBV  | 599218  | 781198  | 14.14%  | 0.843% |
| 61 | 14.416 | 2062 | 2066 | 2070 | rBV3 | 968419  | 1268514 | 22.96%  | 1.369% |
| 62 | 14.471 | 2073 | 2075 | 2078 | rVV3 | 203414  | 239027  | 4.33%   | 0.258% |
| 63 | 14.562 | 2086 | 2090 | 2094 | rBV4 | 459170  | 784474  | 14.20%  | 0.847% |
| 64 | 14.611 | 2094 | 2098 | 2102 | rVV2 | 1082094 | 1440120 | 26.06%  | 1.554% |
| 65 | 14.678 | 2103 | 2109 | 2113 | rVV3 | 2858838 | 5493062 | 99.41%  | 5.928% |
| 66 | 14.727 | 2113 | 2117 | 2124 | rVB2 | 3341594 | 5525798 | 100.00% | 5.963% |
| 67 | 14.837 | 2132 | 2135 | 2139 | rVB2 | 598977  | 830696  | 15.03%  | 0.896% |
| 68 | 14.940 | 2147 | 2152 | 2155 | rBV2 | 1504610 | 2089309 | 37.81%  | 2.255% |
| 69 | 14.977 | 2155 | 2158 | 2161 | rVB  | 393334  | 384130  | 6.95%   | 0.415% |
| 70 | 15.050 | 2165 | 2170 | 2177 | rBV2 | 1380328 | 2903748 | 52.55%  | 3.133% |
| 71 | 15.208 | 2191 | 2196 | 2203 | rBV  | 2964727 | 4874550 | 88.21%  | 5.260% |
| 72 | 15.288 | 2205 | 2209 | 2213 | rVV2 | 1617567 | 2680065 | 48.50%  | 2.892% |
| 73 | 15.343 | 2214 | 2218 | 2225 | rVV4 | 1170032 | 3907194 | 70.71%  | 4.216% |
| 74 | 15.434 | 2229 | 2233 | 2241 | rVB8 | 780540  | 1819973 | 32.94%  | 1.964% |
| 75 | 15.525 | 2241 | 2248 | 2255 | rBV5 | 1386672 | 3854349 | 69.75%  | 4.159% |
| 76 | 15.605 | 2255 | 2261 | 2265 | rVB3 | 1211423 | 2165263 | 39.18%  | 2.337% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
 Data File : VY004017.D  
 Acq On : 11 Feb 2021 21:26  
 Operator : SY/MD  
 Sample : M1398-05  
 Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VCP-SS-5-SOIL

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\82Y012821S.M

Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 77 | 15.727 | 2277 | 2281 | 2288 | rVB  | 1957707 | 3375011 | 61.08% | 3.642% |
| 78 | 15.879 | 2302 | 2306 | 2312 | rVB4 | 740567  | 1465385 | 26.52% | 1.581% |
| 79 | 16.031 | 2325 | 2331 | 2336 | rBV2 | 1576731 | 3039151 | 55.00% | 3.280% |
| 80 | 16.153 | 2347 | 2351 | 2355 | rBV3 | 455607  | 784058  | 14.19% | 0.846% |
| 81 | 16.227 | 2357 | 2363 | 2369 | rVV  | 2077267 | 4454363 | 80.61% | 4.807% |
| 82 | 16.287 | 2369 | 2373 | 2379 | rVB  | 711778  | 1147716 | 20.77% | 1.239% |
| 83 | 16.483 | 2399 | 2405 | 2412 | rBV5 | 681657  | 1929541 | 34.92% | 2.082% |

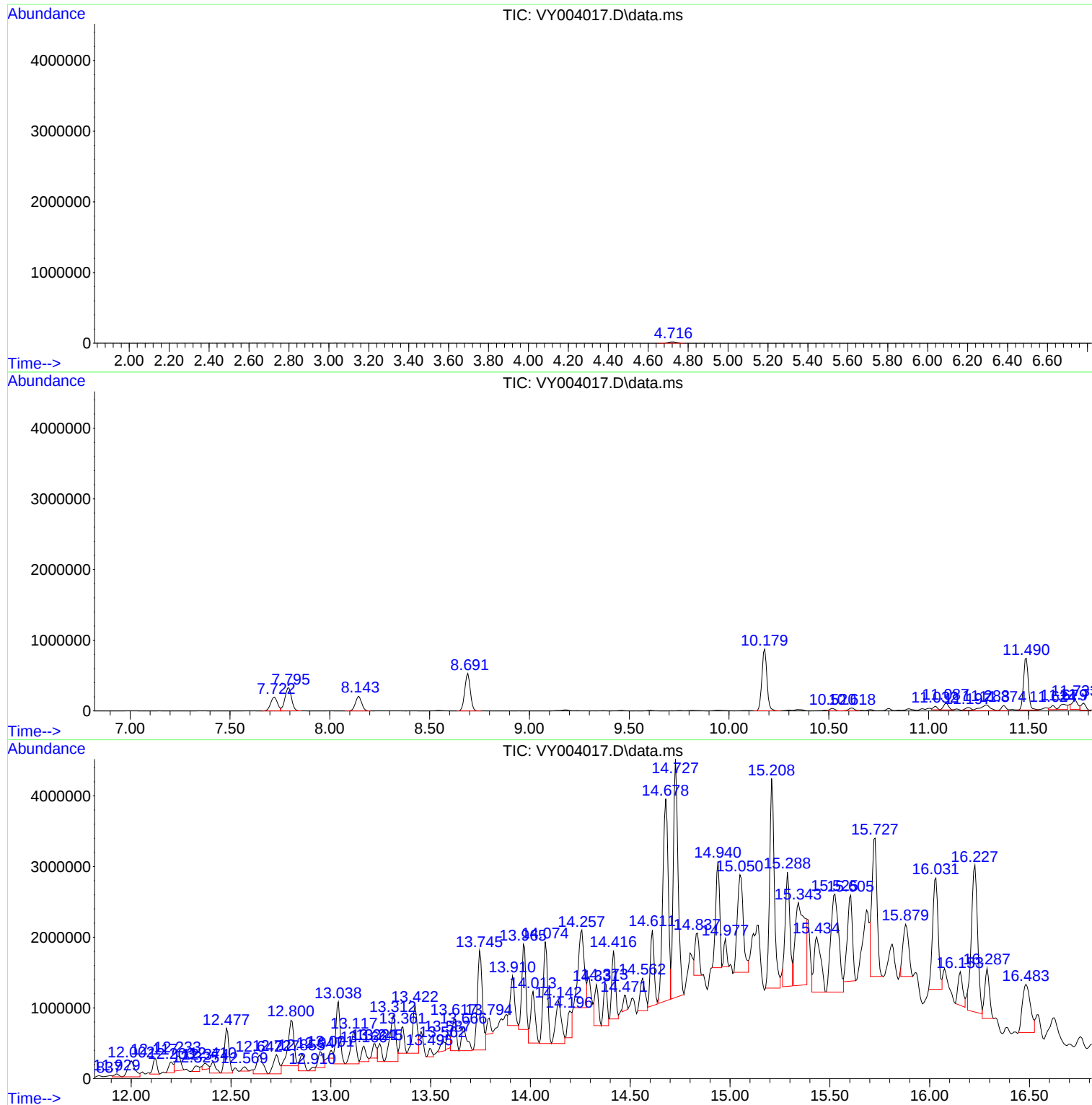
Sum of corrected areas: 92669382

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

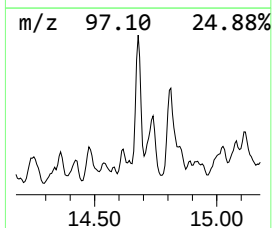
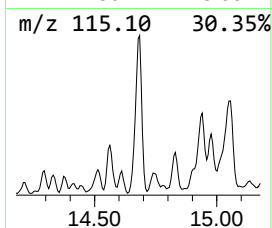
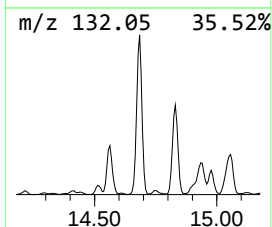
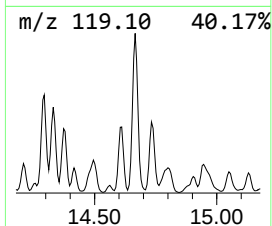
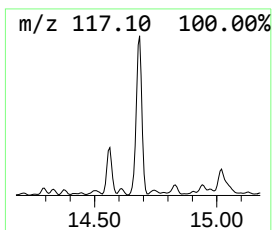
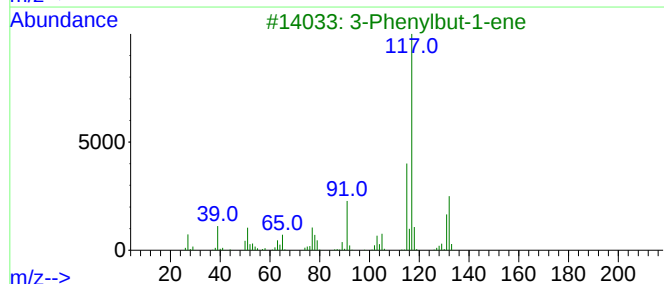
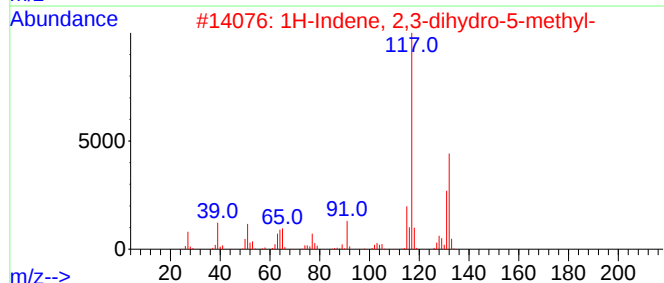
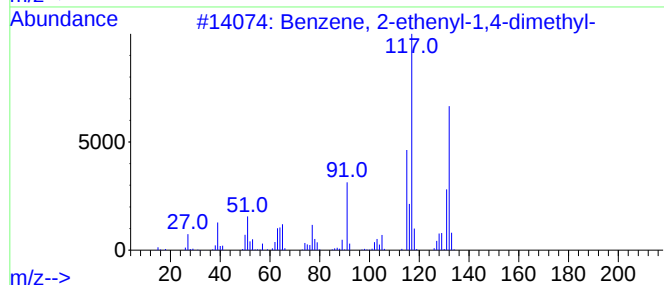
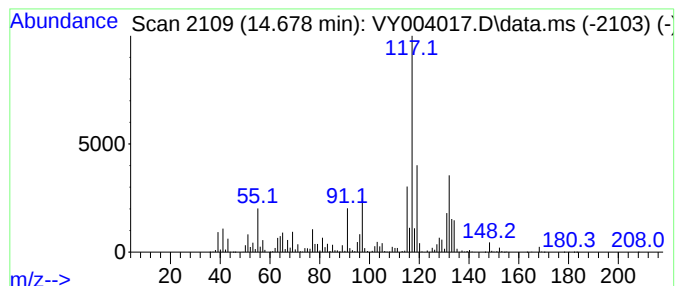
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.678 | 244.79 ug/l | 5493060 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 90   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 90   |
| 3    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 64   |
| 4    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 64   |
| 5    |    |   | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

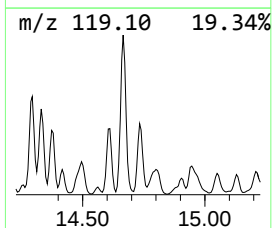
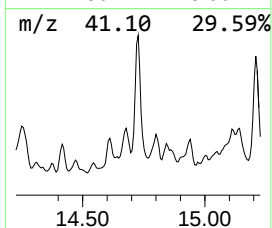
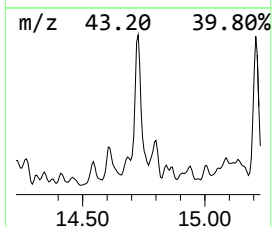
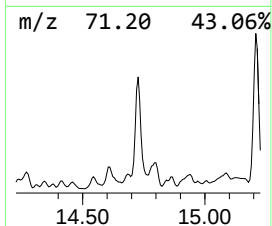
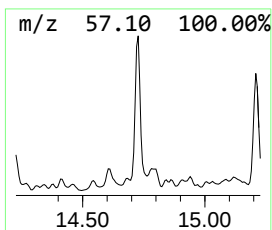
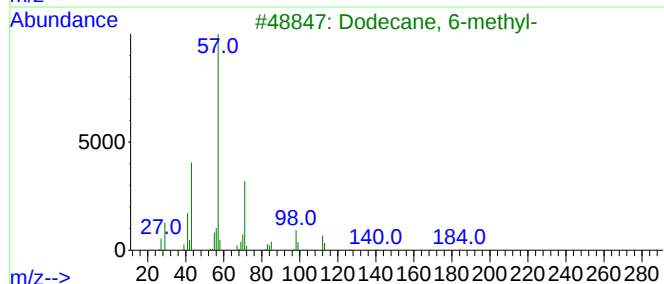
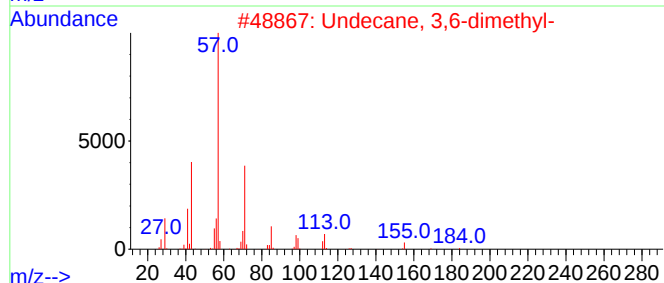
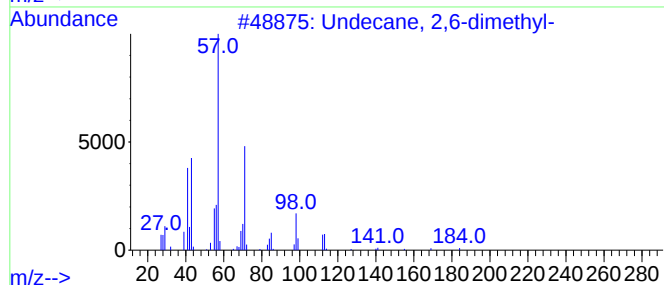
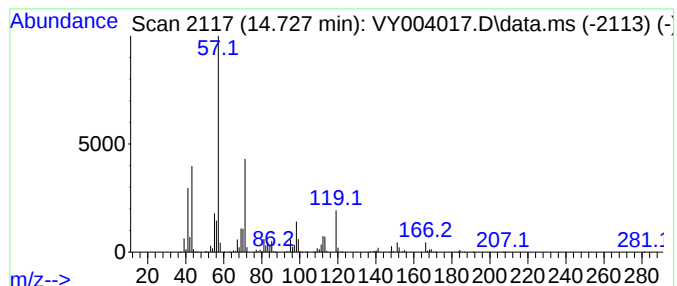
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.727 | 246.25 ug/l | 5525800 | 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 | 83      |      |      |
| 2    | Undecane, 3,6-dimethyl-            | 184 | C13H28       | 017301-28-9 | 70      |      |      |
| 3    | Dodecane, 6-methyl-                | 184 | C13H28       | 006044-71-9 | 64      |      |      |
| 4    | Undecane, 2,5-dimethyl-            | 184 | C13H28       | 017301-22-3 | 50      |      |      |
| 5    | Hexadecane, 2,6,11,15-tetramethyl- | 282 | C20H42       | 000504-44-9 | 43      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

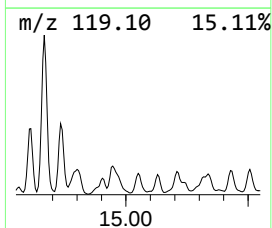
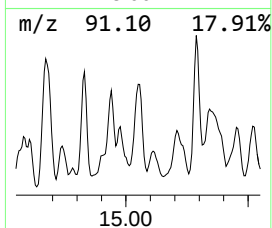
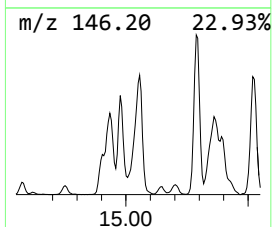
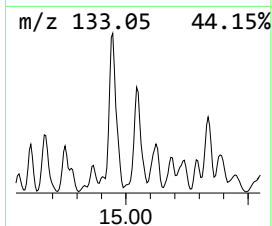
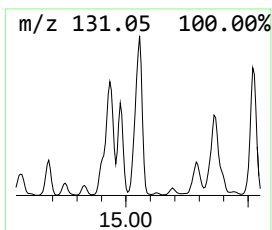
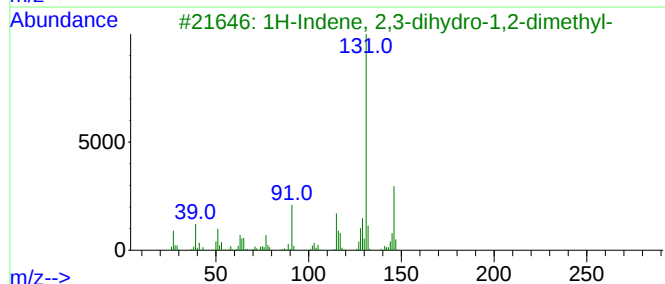
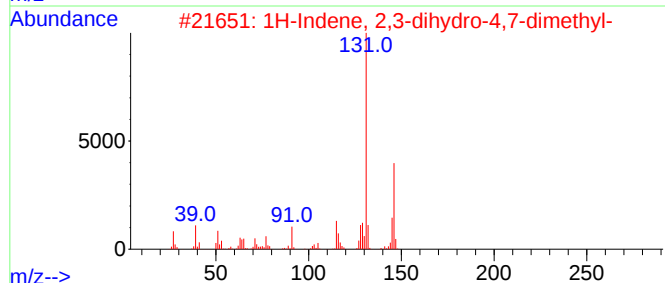
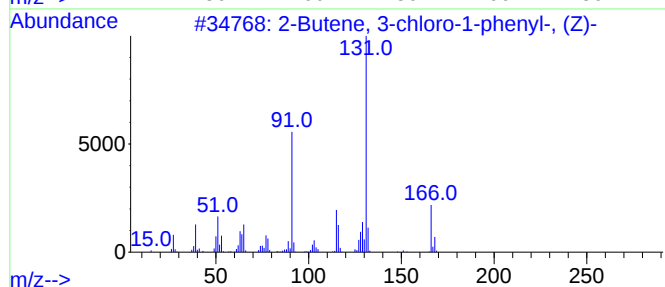
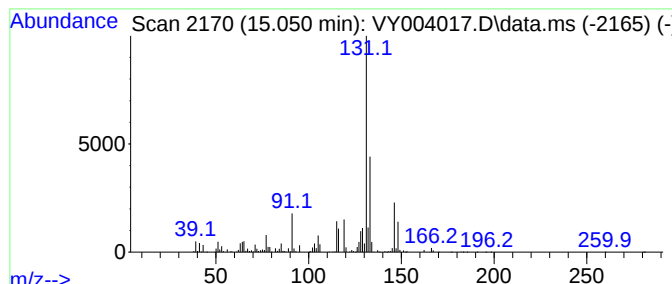
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 2-Butene, 3-chloro-1-phenyl... Concentration Rank 9

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.050 | 129.40 ug/l | 2903750 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Butene, 3-chloro-1-phenyl-, (Z)-  | 166 | C10H11Cl     | 016608-68-7 | 90      |      |      |
| 2    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14       | 006682-71-9 | 64      |      |      |
| 3    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14       | 017057-82-8 | 64      |      |      |
| 4    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14       | 001559-81-5 | 64      |      |      |
| 5    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14       | 017059-48-2 | 64      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

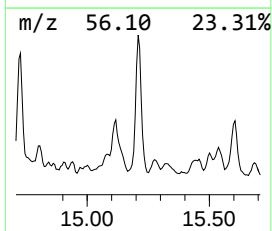
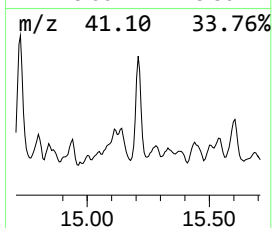
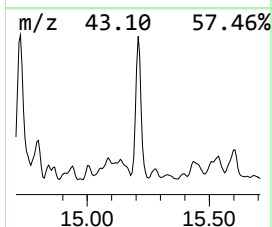
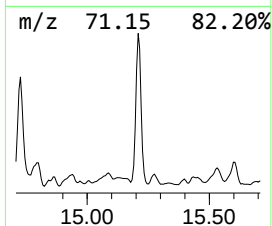
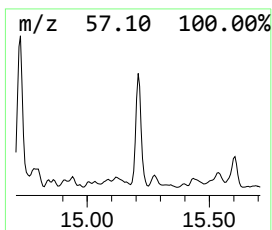
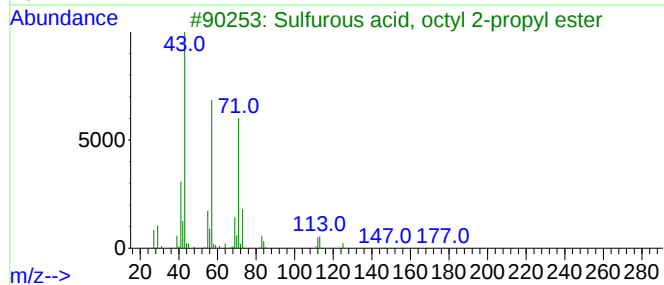
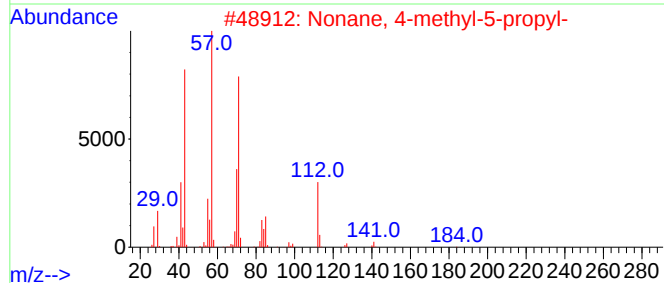
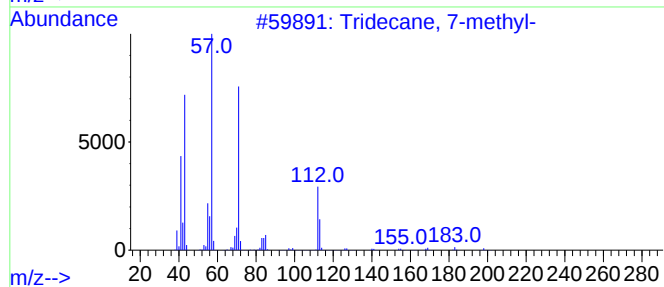
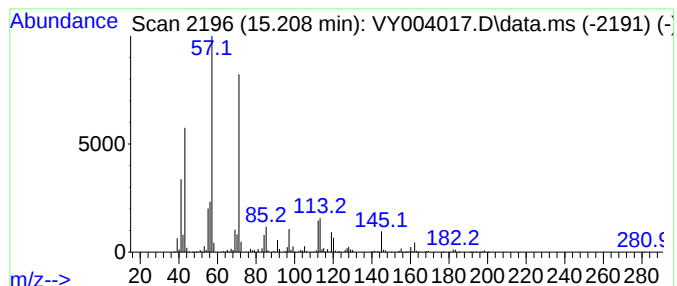
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Tridecane, 7-methyl- Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.208 | 217.23 ug/l | 4874550 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Tridecane, 7-methyl-                | 198 | C14H30    | 026730-14-3  | 62   |
| 2    |    |   | Nonane, 4-methyl-5-propyl-          | 184 | C13H28    | 062185-55-1  | 52   |
| 3    |    |   | Sulfurous acid, octyl 2-propyl e... | 236 | C11H24O3S | 1000309-11-9 | 50   |
| 4    |    |   | Butane, 2,2-dimethyl-               | 86  | C6H14     | 000075-83-2  | 50   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl pen... | 264 | C13H28O3S | 1000309-18-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

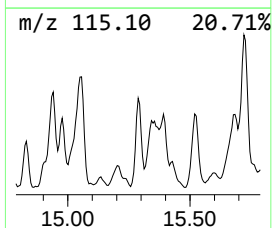
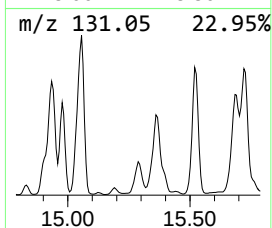
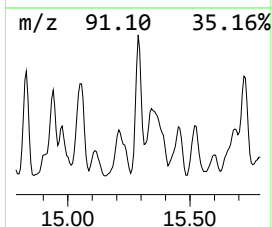
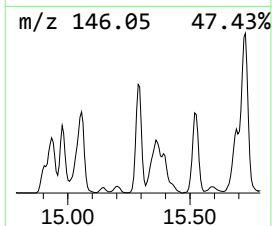
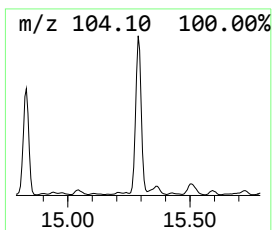
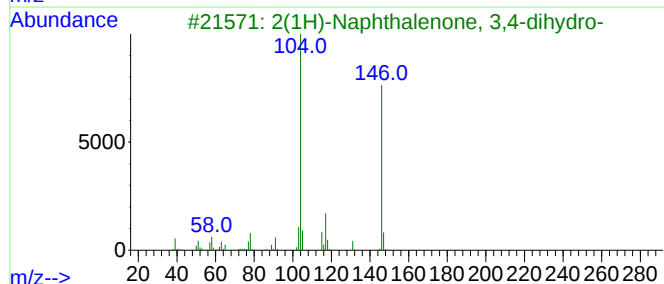
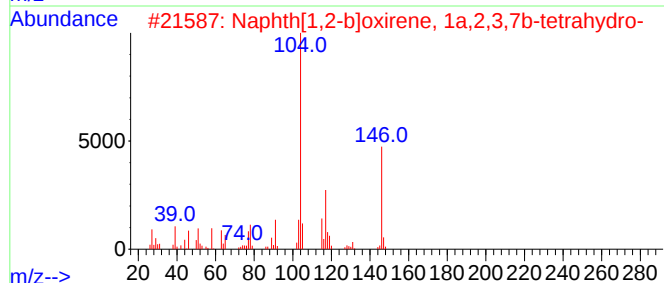
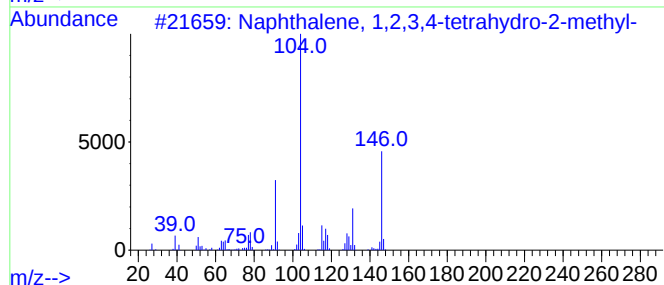
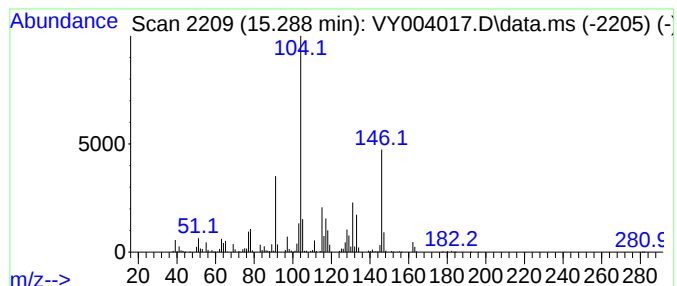
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 10

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.288 | 119.44 ug/l | 2680070 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 003877-19-8 | 94   |
| 2    |    |   | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 58   |
| 3    |    |   | 2(1H)-Naphthalenone, 3,4-dihydro-   | 146 | C10H10O | 000530-93-8 | 58   |
| 4    |    |   | 2-Methylbenzyl cyanide              | 131 | C9H9N   | 022364-68-7 | 38   |
| 5    |    |   | Benzeneethanol, .alpha.,.alpha.-... | 162 | C11H14O | 025982-72-3 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

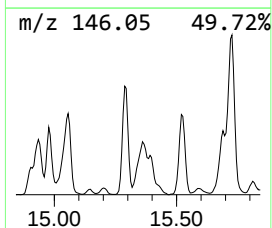
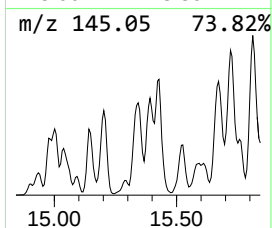
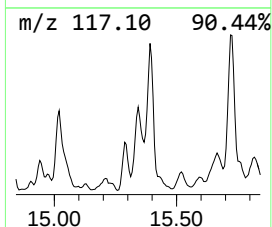
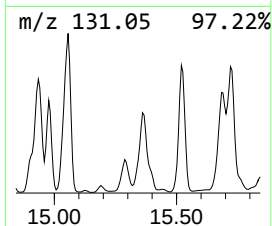
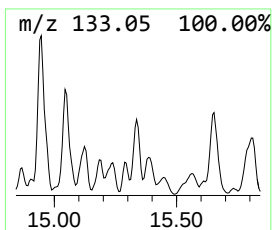
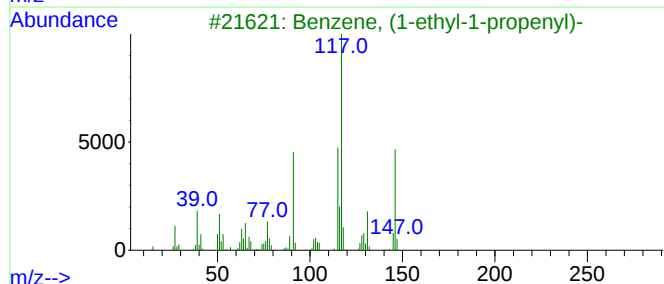
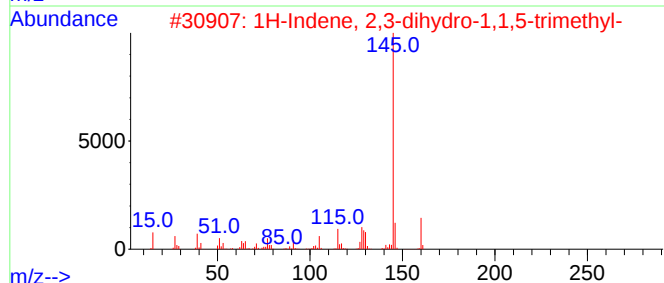
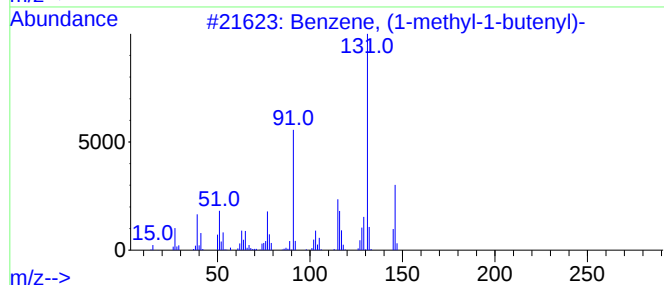
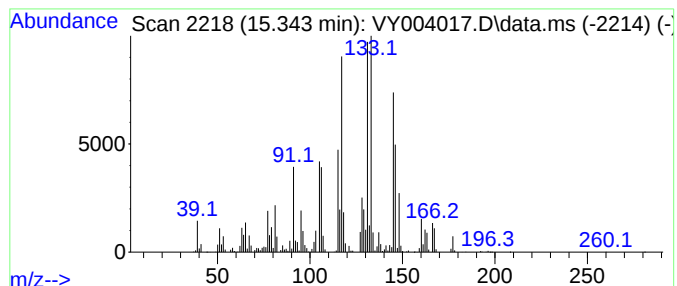
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 6 unknown15.342 Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.342 | 174.12 ug/l | 3907190 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14   | 053172-84-2 | 38   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,1,5-tri... | 160 | C12H16   | 040650-41-7 | 35   |
| 3    |    |   | Benzene, (1-ethyl-1-propenyl)-      | 146 | C11H14   | 004701-36-4 | 35   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 30   |
| 5    |    |   | 2-Butene, 3-chloro-1-phenyl-, (Z)-  | 166 | C10H11Cl | 016608-68-7 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

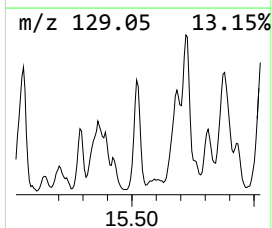
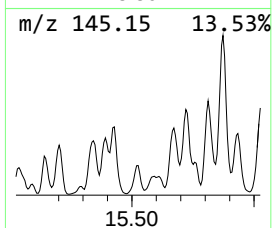
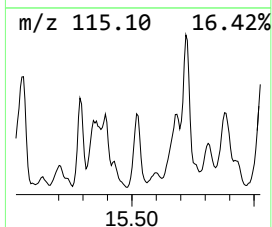
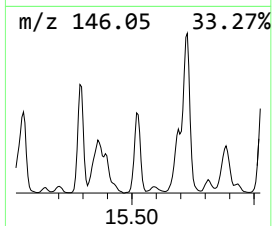
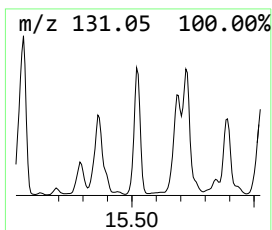
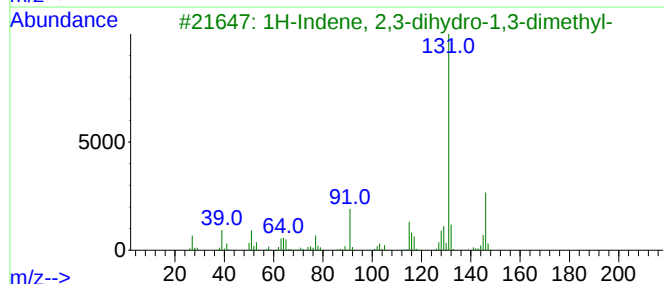
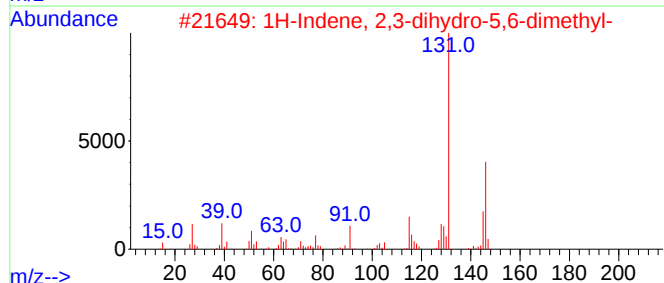
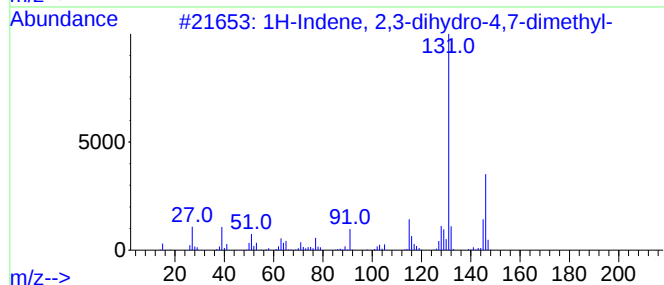
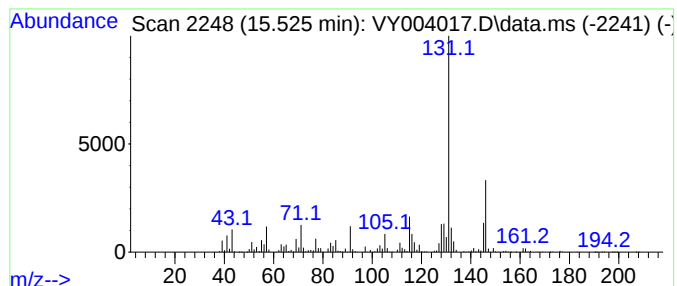
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.525 | 171.77 ug/l | 3854350 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 91   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 90   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 90   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

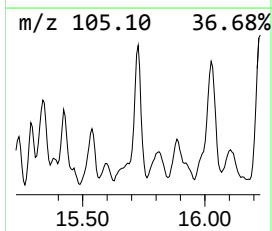
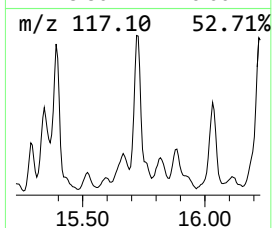
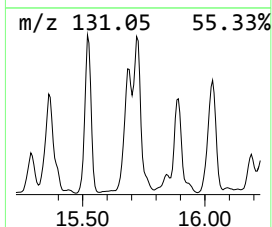
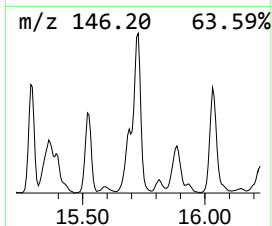
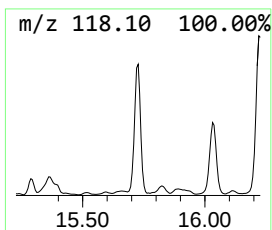
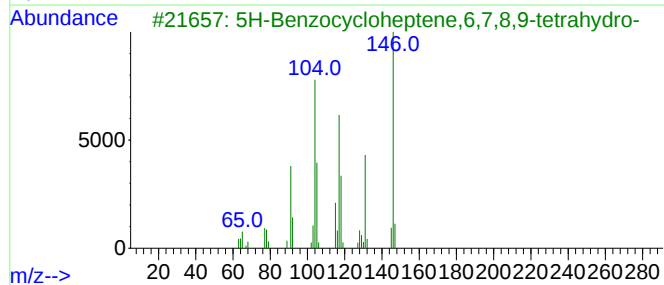
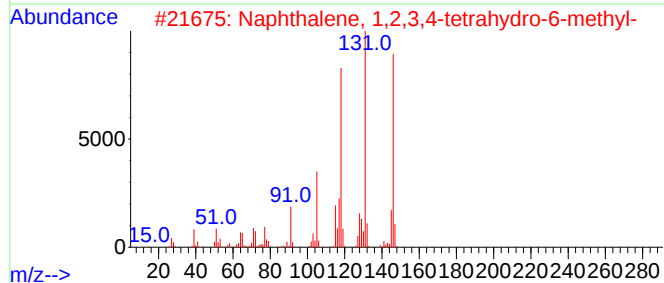
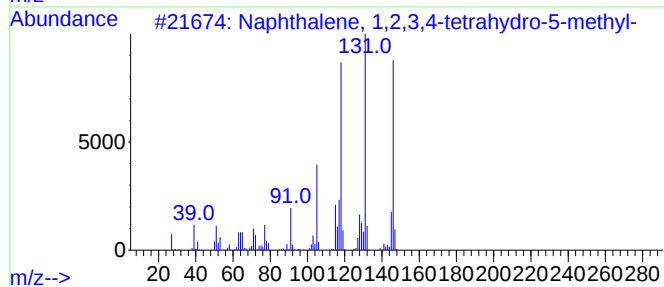
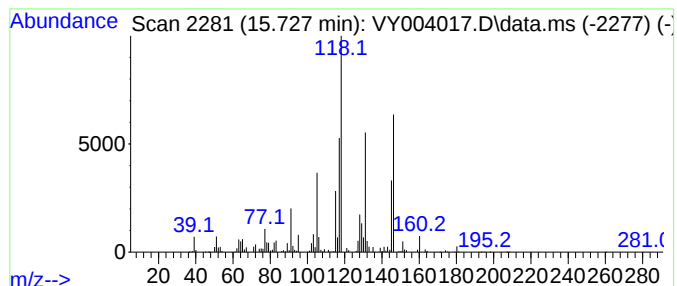
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 7

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.727 | 150.41 ug/l | 3375010 | 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 | 81   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 58   |
| 3    |    |   | 5H-Benzocycloheptene,6,7,8,9-tet... | 146 | C11H14   | 001075-16-7 | 47   |
| 4    |    |   | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 43   |
| 5    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14   | 000769-25-5 | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

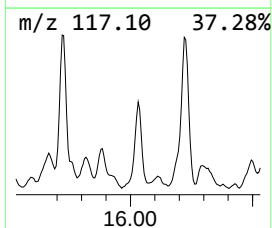
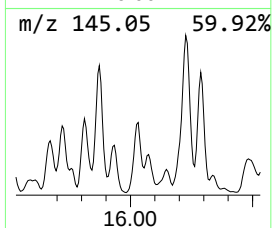
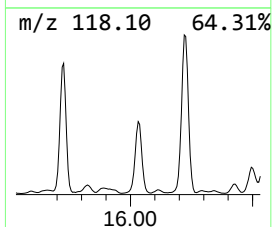
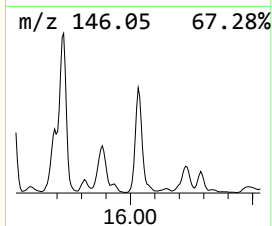
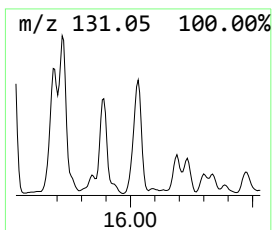
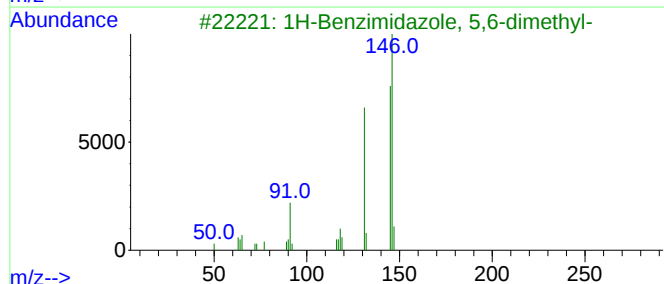
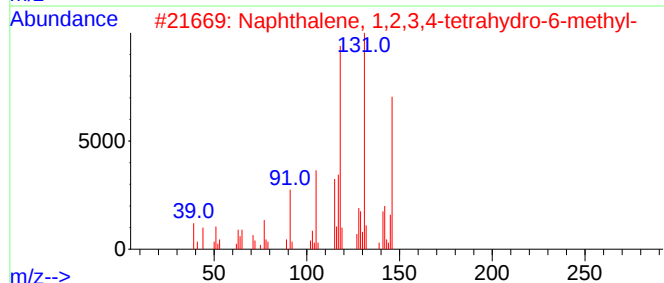
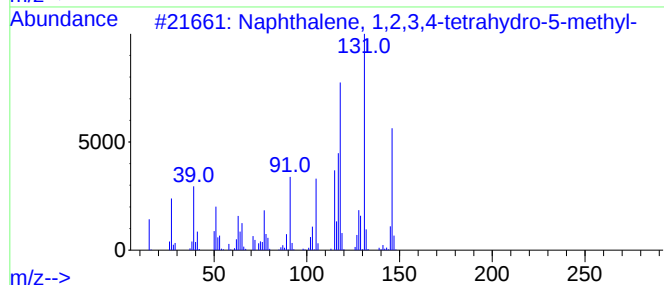
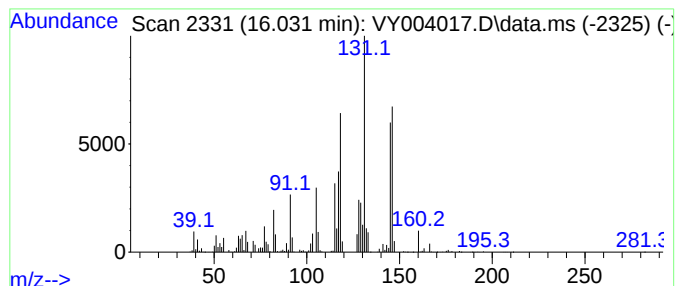
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.031 | 135.44 ug/l | 3039150 | 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 | 90   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 83   |
| 3    |    |   | 1H-Benzimidazole, 5,6-dimethyl-     | 146 | C9H10N2  | 000582-60-5 | 60   |
| 4    |    |   | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 58   |
| 5    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14   | 000769-25-5 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

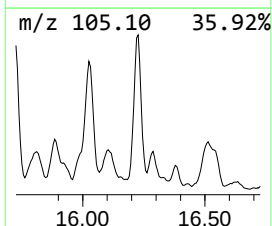
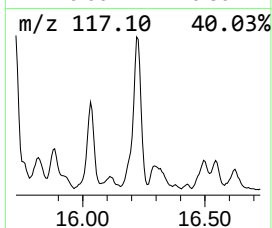
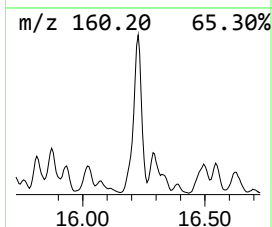
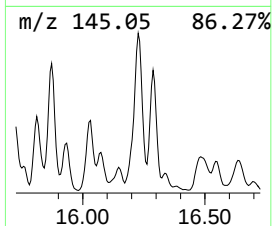
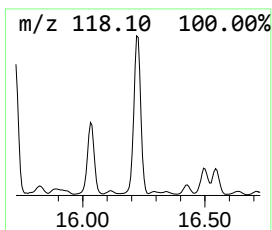
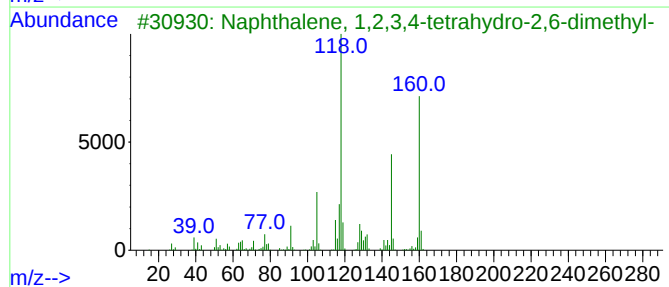
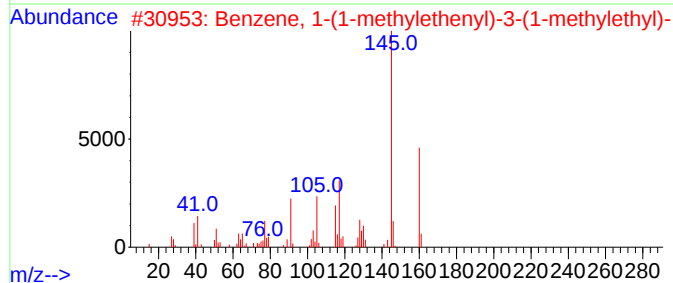
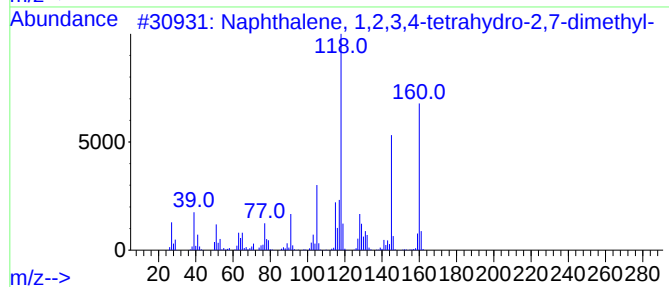
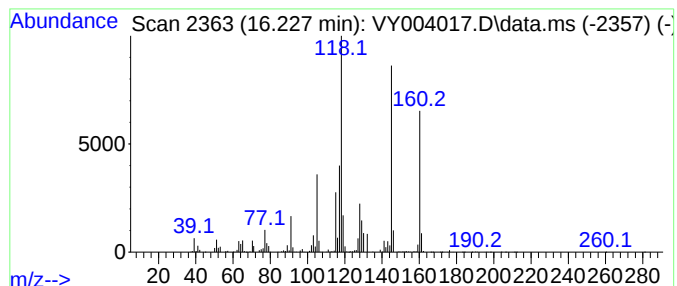
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.227 | 198.51 ug/l | 4454360 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 013065-07-1 | 90   |
| 2    |    |   | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16  | 001129-29-9 | 70   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 007524-63-2 | 70   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 021693-54-9 | 55   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 021564-91-0 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
Data File : VY004017.D  
Acq On : 11 Feb 2021 21:26  
Operator : SY/MD  
Sample : M1398-05  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCP-SS-5-SOIL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Benzene, 2-ethe... | 14.678 | 244.8   | ug/l  | 5493060  | 4                     | 13.422 | 1121980 | 50.0 |
| Undecane, 2,6-d... | 14.727 | 246.3   | ug/l  | 5525800  | 4                     | 13.422 | 1121980 | 50.0 |
| 2-Butene, 3-chl... | 15.050 | 129.4   | ug/l  | 2903750  | 4                     | 13.422 | 1121980 | 50.0 |
| Tridecane, 7-me... | 15.208 | 217.2   | ug/l  | 4874550  | 4                     | 13.422 | 1121980 | 50.0 |
| Naphthalene, 1,... | 15.288 | 119.4   | ug/l  | 2680070  | 4                     | 13.422 | 1121980 | 50.0 |
| unknown15.342      | 15.342 | 174.1   | ug/l  | 3907190  | 4                     | 13.422 | 1121980 | 50.0 |
| 1H-Indene, 2,3-... | 15.525 | 171.8   | ug/l  | 3854350  | 4                     | 13.422 | 1121980 | 50.0 |
| Naphthalene, 1,... | 15.727 | 150.4   | ug/l  | 3375010  | 4                     | 13.422 | 1121980 | 50.0 |
| Naphthalene, 1,... | 16.031 | 135.4   | ug/l  | 3039150  | 4                     | 13.422 | 1121980 | 50.0 |
| Naphthalene, 1,... | 16.227 | 198.5   | ug/l  | 4454360  | 4                     | 13.422 | 1121980 | 50.0 |