

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
 Data File : VY011651.D  
 Acq On : 30 Nov 2022 19:10  
 Operator : KP/MD  
 Sample : N5819-02  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S2

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\82Y111822S.M  
 Title : SW846 8260

Signal : TIC: VY011651.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       | 465           | 475         | 493          | rVB      | 27432          | 87139         | 6.24%           | 0.675%        |
| 2         | 5.741       | 632           | 643         | 658          | rVB4     | 12042          | 38010         | 2.72%           | 0.295%        |
| 3         | 6.972       | 834           | 845         | 858          | rBV      | 7294           | 22561         | 1.62%           | 0.175%        |
| 4         | 7.716       | 956           | 967         | 973          | rBV      | 159001         | 383156        | 27.44%          | 2.970%        |
| 5         | 7.789       | 973           | 979         | 988          | rVB      | 250813         | 555611        | 39.79%          | 4.307%        |
| 6         | 8.136       | 1027          | 1036        | 1050         | rBV      | 160804         | 361466        | 25.88%          | 2.802%        |
| 7         | 8.545       | 1097          | 1103        | 1113         | rVB3     | 7345           | 14991         | 1.07%           | 0.116%        |
| 8         | 8.691       | 1117          | 1127        | 1140         | rBV      | 412533         | 820704        | 58.77%          | 6.362%        |
| 9         | 9.179       | 1195          | 1207        | 1214         | rBV      | 32978          | 77446         | 5.55%           | 0.600%        |
| 10        | 9.459       | 1244          | 1253        | 1261         | rVB4     | 6692           | 14881         | 1.07%           | 0.115%        |
| 11        | 9.606       | 1271          | 1277        | 1285         | rVB3     | 8818           | 16587         | 1.19%           | 0.129%        |
| 12        | 9.819       | 1306          | 1312        | 1324         | rVV2     | 37938          | 89557         | 6.41%           | 0.694%        |
| 13        | 9.959       | 1324          | 1335        | 1347         | rVB2     | 29125          | 69972         | 5.01%           | 0.542%        |
| 14        | 10.179      | 1364          | 1371        | 1387         | rVB      | 776620         | 1396504       | 100.00%         | 10.825%       |
| 15        | 10.368      | 1394          | 1402        | 1410         | rVB      | 107961         | 200677        | 14.37%          | 1.556%        |
| 16        | 10.484      | 1410          | 1421        | 1422         | rBV4     | 9647           | 18792         | 1.35%           | 0.146%        |
| 17        | 10.520      | 1422          | 1427        | 1433         | rVB      | 50092          | 86781         | 6.21%           | 0.673%        |
| 18        | 10.618      | 1433          | 1443        | 1448         | rBV2     | 31176          | 64522         | 4.62%           | 0.500%        |
| 19        | 10.709      | 1454          | 1458        | 1463         | rVB2     | 16482          | 25205         | 1.80%           | 0.195%        |
| 20        | 10.801      | 1467          | 1473        | 1479         | rVB      | 80588          | 125201        | 8.97%           | 0.971%        |
| 21        | 10.904      | 1479          | 1490        | 1493         | rBV      | 38616          | 74468         | 5.33%           | 0.577%        |
| 22        | 10.947      | 1493          | 1497        | 1498         | rBV      | 15571          | 19390         | 1.39%           | 0.150%        |
| 23        | 11.038      | 1504          | 1512        | 1516         | rBV      | 97706          | 156719        | 11.22%          | 1.215%        |
| 24        | 11.087      | 1516          | 1520        | 1526         | rVB      | 121392         | 203031        | 14.54%          | 1.574%        |
| 25        | 11.142      | 1526          | 1529        | 1533         | rVB2     | 22735          | 31699         | 2.27%           | 0.246%        |
| 26        | 11.203      | 1533          | 1539        | 1544         | rBV      | 67701          | 113486        | 8.13%           | 0.880%        |
| 27        | 11.282      | 1544          | 1552        | 1562         | rVB4     | 119745         | 304375        | 21.80%          | 2.359%        |
| 28        | 11.380      | 1562          | 1568        | 1573         | rBV      | 92677          | 148704        | 10.65%          | 1.153%        |
| 29        | 11.490      | 1579          | 1586        | 1596         | rBV      | 684940         | 1113021       | 79.70%          | 8.628%        |
| 30        | 11.587      | 1596          | 1602        | 1606         | rBV2     | 57743          | 109614        | 7.85%           | 0.850%        |
| 31        | 11.624      | 1606          | 1608        | 1612         | rVB2     | 26109          | 29260         | 2.10%           | 0.227%        |
| 32        | 11.709      | 1612          | 1622        | 1630         | rBV3     | 256611         | 684172        | 48.99%          | 5.304%        |
| 33        | 11.776      | 1631          | 1633        | 1639         | rVB      | 62920          | 91745         | 6.57%           | 0.711%        |
| 34        | 11.843      | 1639          | 1644        | 1647         | rBV2     | 9389           | 18254         | 1.31%           | 0.142%        |
| 35        | 11.898      | 1648          | 1653        | 1656         | rBV      | 11996          | 19888         | 1.42%           | 0.154%        |
| 36        | 11.928      | 1656          | 1658        | 1662         | rVB3     | 10157          | 13968         | 1.00%           | 0.108%        |

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 Sample : N5819-02  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S2

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\82Y111822S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 12.008 | 1662 | 1671 | 1673 | rBV4 | 75569  | 175843  | 12.59% | 1.363% |
| 38 | 12.124 | 1686 | 1690 | 1693 | rVB  | 36122  | 47589   | 3.41%  | 0.369% |
| 39 | 12.160 | 1693 | 1696 | 1699 | rBV  | 19183  | 28956   | 2.07%  | 0.224% |
| 40 | 12.203 | 1699 | 1703 | 1706 | rVV  | 64536  | 103246  | 7.39%  | 0.800% |
| 41 | 12.246 | 1706 | 1710 | 1715 | rVV3 | 63162  | 124351  | 8.90%  | 0.964% |
| 42 | 12.325 | 1719 | 1723 | 1729 | rVB  | 18786  | 30792   | 2.20%  | 0.239% |
| 43 | 12.416 | 1735 | 1738 | 1743 | rVB4 | 9280   | 16011   | 1.15%  | 0.124% |
| 44 | 12.483 | 1743 | 1749 | 1757 | rVB  | 539934 | 859002  | 61.51% | 6.659% |
| 45 | 12.556 | 1757 | 1761 | 1767 | rVB3 | 9287   | 15812   | 1.13%  | 0.123% |
| 46 | 12.648 | 1771 | 1776 | 1778 | rBV4 | 20092  | 30440   | 2.18%  | 0.236% |
| 47 | 12.733 | 1784 | 1790 | 1793 | rBV  | 53812  | 87530   | 6.27%  | 0.679% |
| 48 | 12.764 | 1793 | 1795 | 1799 | rVV  | 40556  | 63260   | 4.53%  | 0.490% |
| 49 | 12.812 | 1799 | 1803 | 1809 | rVB2 | 81362  | 128486  | 9.20%  | 0.996% |
| 50 | 12.971 | 1822 | 1829 | 1836 | rVB2 | 16223  | 32114   | 2.30%  | 0.249% |
| 51 | 13.117 | 1845 | 1853 | 1858 | rBV  | 94823  | 143937  | 10.31% | 1.116% |
| 52 | 13.172 | 1858 | 1862 | 1867 | rVV  | 44561  | 65943   | 4.72%  | 0.511% |
| 53 | 13.221 | 1867 | 1870 | 1878 | rVB6 | 8600   | 15724   | 1.13%  | 0.122% |
| 54 | 13.318 | 1878 | 1886 | 1891 | rBV2 | 9290   | 19555   | 1.40%  | 0.152% |
| 55 | 13.422 | 1897 | 1903 | 1913 | rBV  | 665484 | 1080929 | 77.40% | 8.379% |
| 56 | 13.629 | 1932 | 1937 | 1940 | rBV  | 32535  | 50409   | 3.61%  | 0.391% |
| 57 | 13.666 | 1940 | 1943 | 1949 | rVB2 | 13353  | 20964   | 1.50%  | 0.163% |
| 58 | 13.806 | 1960 | 1966 | 1973 | rVB  | 82831  | 130572  | 9.35%  | 1.012% |
| 59 | 13.916 | 1975 | 1984 | 1988 | rBV4 | 9091   | 25512   | 1.83%  | 0.198% |
| 60 | 13.965 | 1988 | 1992 | 1997 | rVV2 | 22466  | 36574   | 2.62%  | 0.284% |
| 61 | 14.111 | 2011 | 2016 | 2021 | rVV2 | 23166  | 38287   | 2.74%  | 0.297% |
| 62 | 14.337 | 2049 | 2053 | 2057 | rVB  | 17514  | 24269   | 1.74%  | 0.188% |
| 63 | 14.434 | 2064 | 2069 | 2074 | rBV3 | 13174  | 21734   | 1.56%  | 0.168% |
| 64 | 14.562 | 2086 | 2090 | 2095 | rBV4 | 6880   | 14316   | 1.03%  | 0.111% |
| 65 | 14.672 | 2102 | 2108 | 2115 | rBV2 | 18342  | 37815   | 2.71%  | 0.293% |
| 66 | 14.745 | 2115 | 2120 | 2129 | rVV  | 41645  | 69621   | 4.99%  | 0.540% |
| 67 | 14.830 | 2129 | 2134 | 2143 | rVB  | 60969  | 97392   | 6.97%  | 0.755% |
| 68 | 14.934 | 2143 | 2151 | 2157 | rBV7 | 8509   | 22300   | 1.60%  | 0.173% |
| 69 | 15.233 | 2190 | 2200 | 2208 | rBV  | 293220 | 487082  | 34.88% | 3.776% |
| 70 | 15.330 | 2210 | 2216 | 2224 | rVB2 | 33658  | 67941   | 4.87%  | 0.527% |
| 71 | 15.714 | 2275 | 2279 | 2283 | rVV2 | 10334  | 17531   | 1.26%  | 0.136% |
| 72 | 15.830 | 2292 | 2298 | 2305 | rBV5 | 12305  | 30894   | 2.21%  | 0.239% |
| 73 | 16.227 | 2356 | 2363 | 2367 | rBV  | 28868  | 58089   | 4.16%  | 0.450% |
| 74 | 16.294 | 2367 | 2374 | 2388 | rVV  | 194756 | 409376  | 29.31% | 3.173% |
| 75 | 16.409 | 2388 | 2393 | 2398 | rVV3 | 8140   | 18088   | 1.30%  | 0.140% |
| 76 | 16.489 | 2398 | 2406 | 2417 | rVB2 | 262670 | 550375  | 39.41% | 4.266% |

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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

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\82Y111822S.M  
Title : SW846 8260

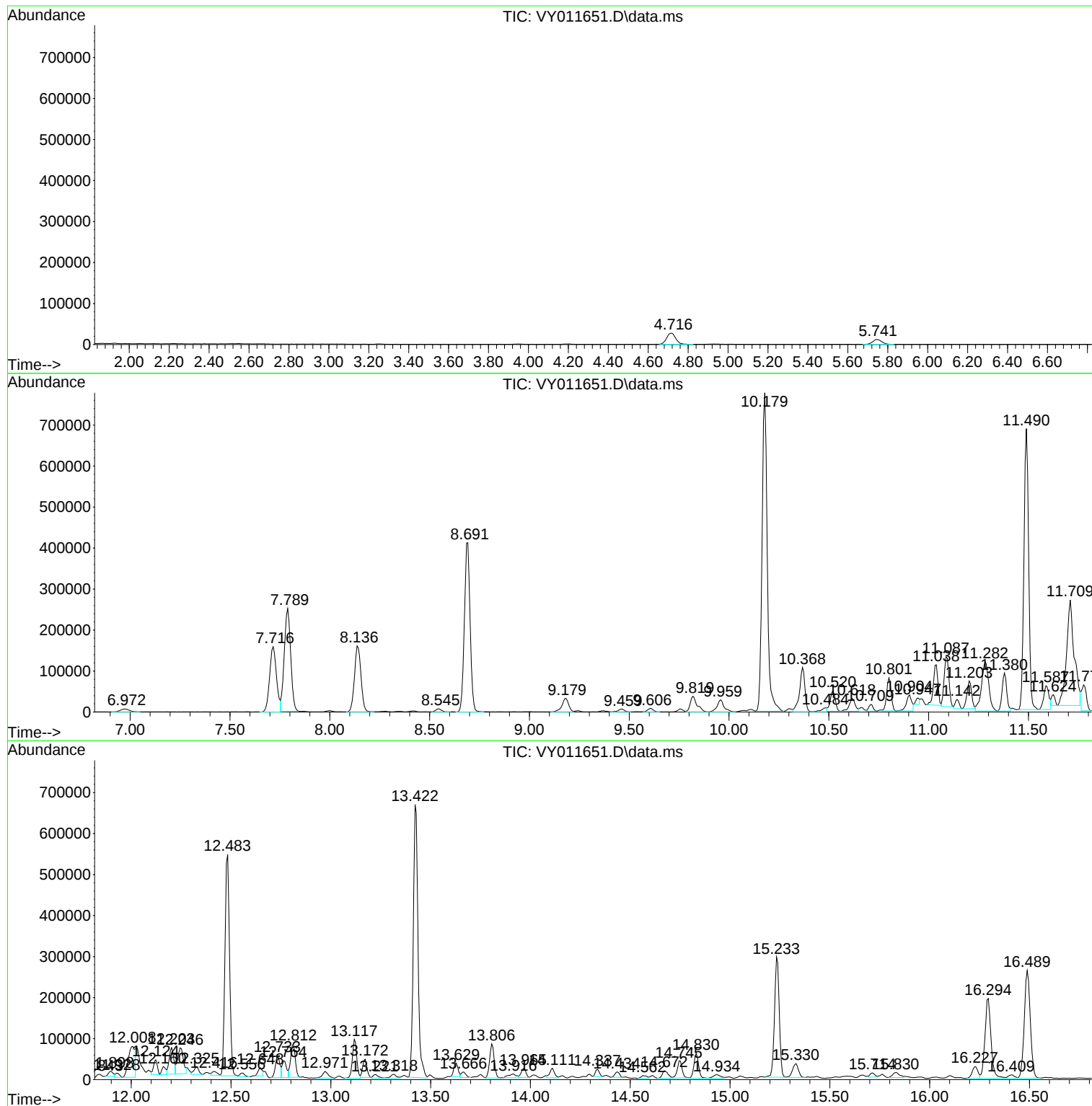
Sum of corrected areas: 12900218

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011651.D  
Acq On : 30 Nov 2022 19:10  
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Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
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Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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



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Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
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Instrument :  
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S2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

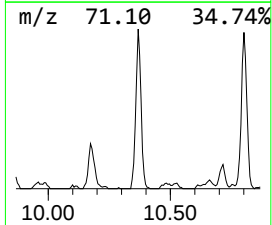
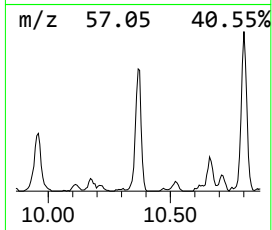
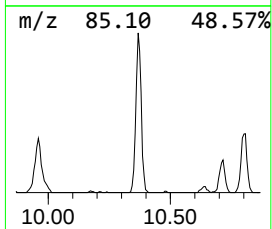
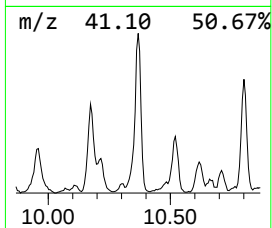
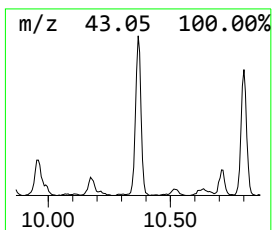
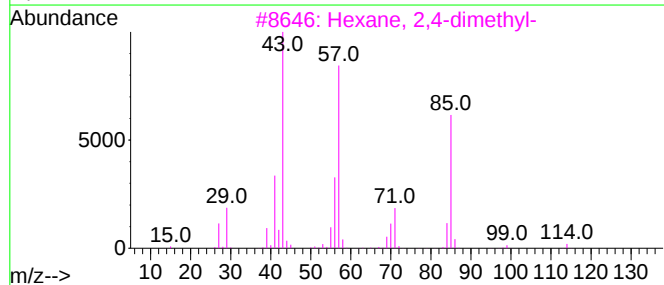
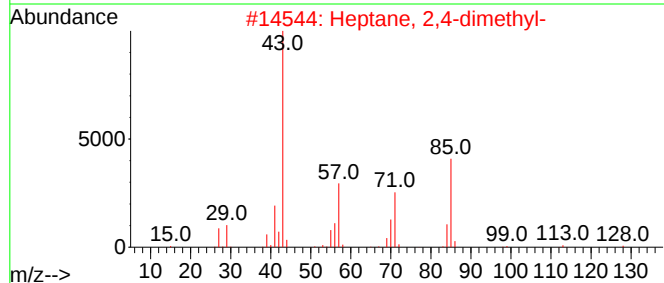
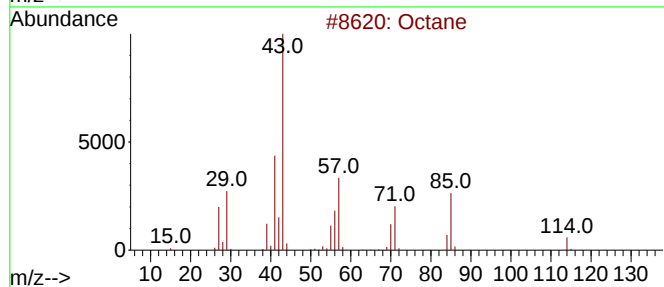
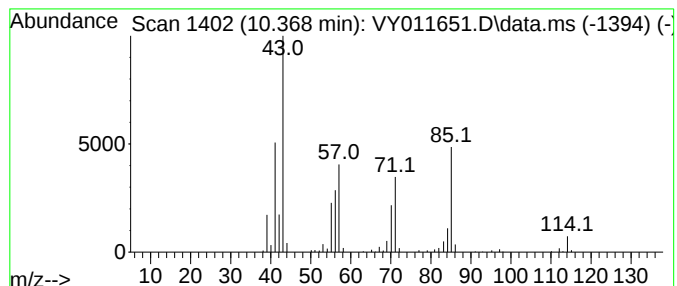
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octane Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 10.368 | 9.01 ug/l | 200677 | Chlorobenzene-d5 | 11.490 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|---|------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane                             | 114 | C8H18     | 000111-65-9  | 91   |
| 2    |    |   | Heptane, 2,4-dimethyl-             | 128 | C9H20     | 002213-23-2  | 80   |
| 3    |    |   | Hexane, 2,4-dimethyl-              | 114 | C8H18     | 000589-43-5  | 59   |
| 4    |    |   | Undecane, 2,4-dimethyl-            | 184 | C13H28    | 017312-80-0  | 59   |
| 5    |    |   | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 59   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

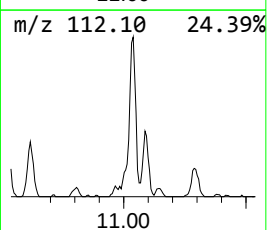
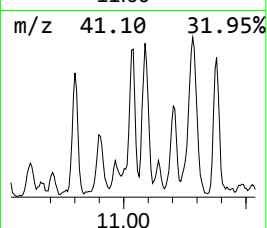
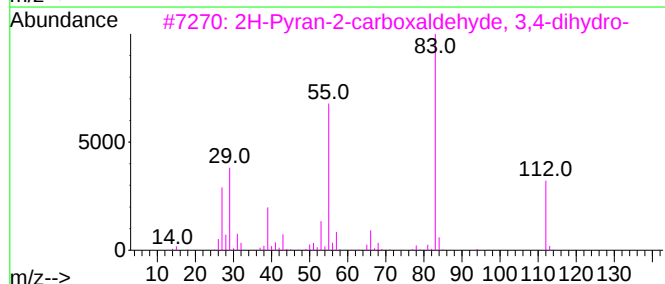
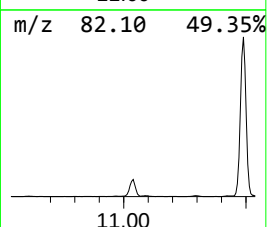
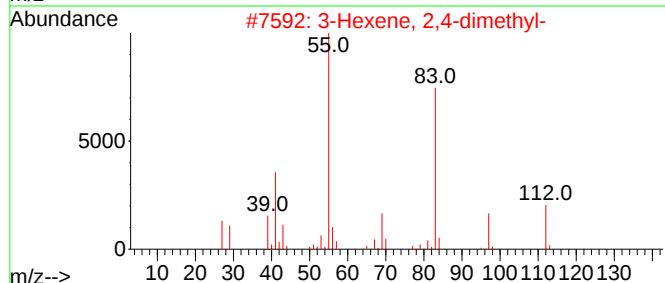
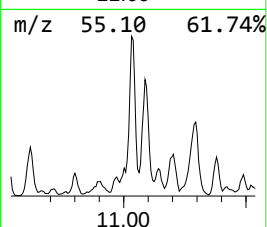
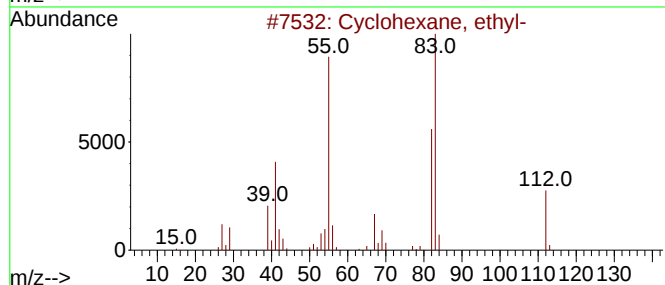
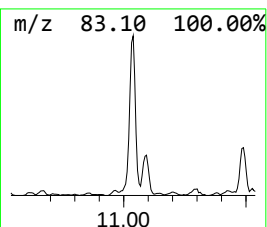
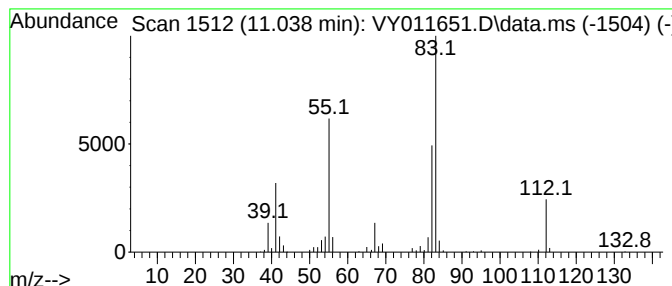
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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

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Peak Number 3 Cyclohexane, ethyl- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.038 | 7.04 ug/l | 156719 | Chlorobenzene-d5 | 11.490 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, ethyl-                 | 112 | C8H16   | 001678-91-7 | 93   |
| 2    |    |   | 3-Hexene, 2,4-dimethyl-             | 112 | C8H16   | 082085-14-1 | 53   |
| 3    |    |   | 2H-Pyran-2-carboxaldehyde, 3,4-d... | 112 | C6H8O2  | 000100-73-2 | 50   |
| 4    |    |   | 2-Pentene, 3-ethyl-2-methyl-        | 112 | C8H16   | 019780-67-7 | 50   |
| 5    |    |   | 2H-Pyran-2-carboxaldehyde, 5,6-d... | 112 | C6H8O2  | 053897-26-0 | 50   |



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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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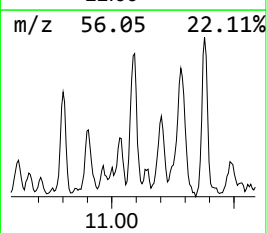
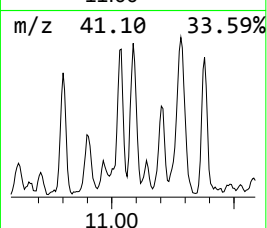
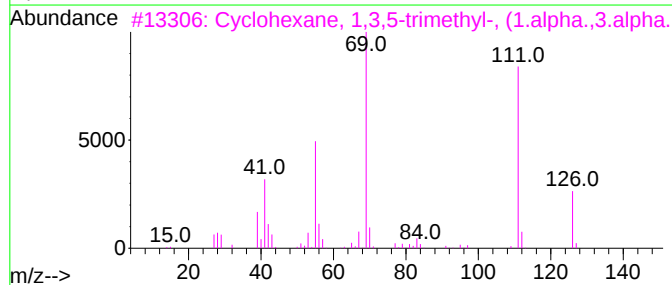
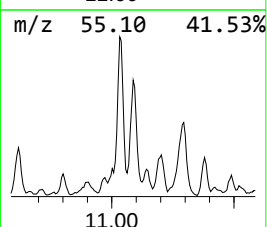
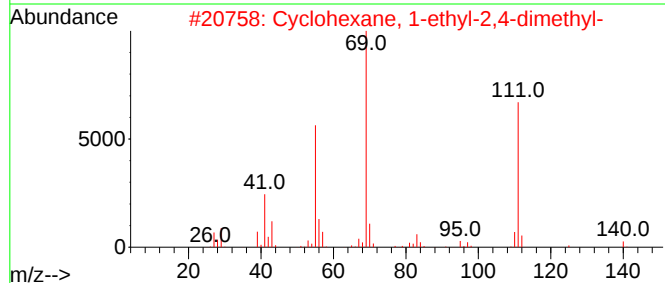
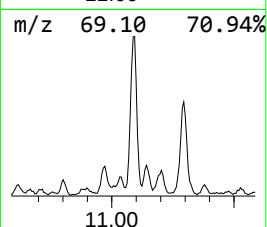
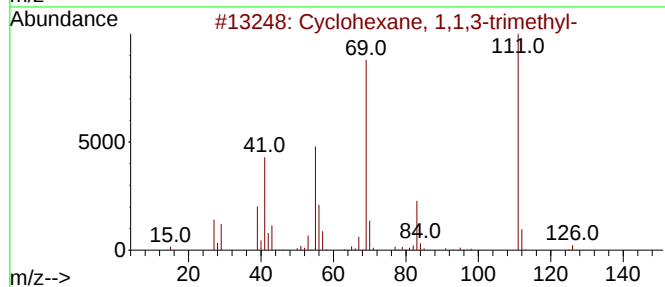
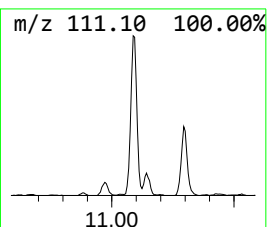
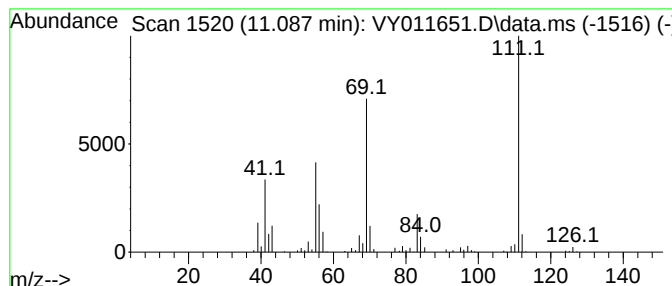
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.087 | 9.12 ug/l | 203031 | Chlorobenzene-d5 | 11.490 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,1,3-trimethyl-        | 126 | C9H18   | 003073-66-3 | 94   |
| 2    |    |   | Cyclohexane, 1-ethyl-2,4-dimethyl-   | 140 | C10H20  | 061142-69-6 | 64   |
| 3    |    |   | Cyclohexane, 1,3,5-trimethyl-, (...) | 126 | C9H18   | 001795-27-3 | 59   |
| 4    |    |   | Cyclohexane, 1,3,5-trimethyl-        | 126 | C9H18   | 001839-63-0 | 59   |
| 5    |    |   | 4-Amino-6-hydroxypyrimidine          | 111 | C4H5N3O | 001193-22-2 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011651.D  
Acq On : 30 Nov 2022 19:10  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

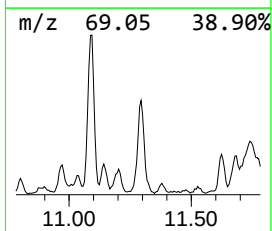
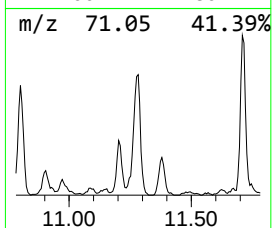
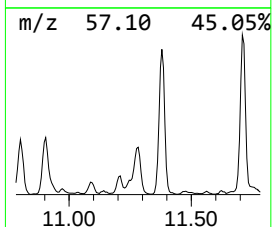
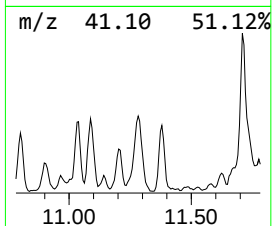
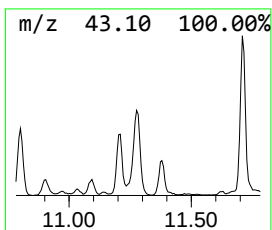
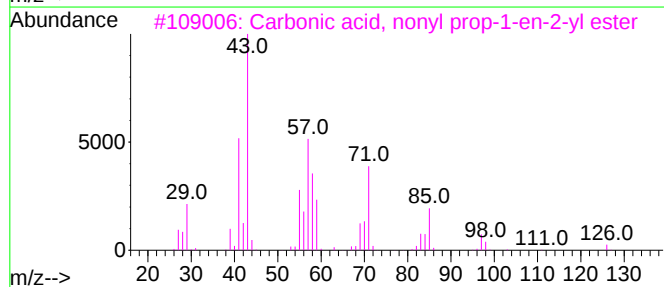
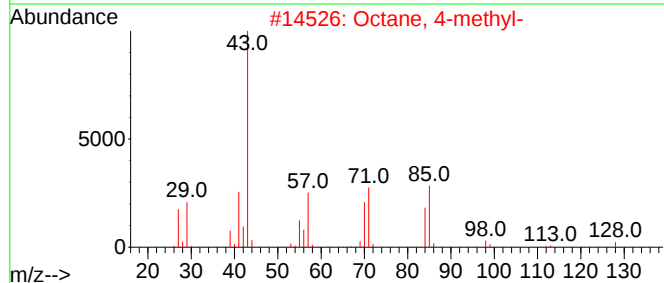
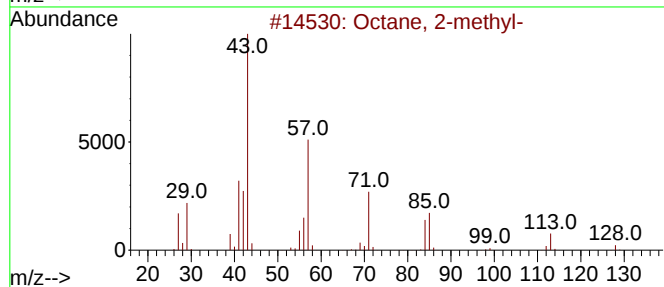
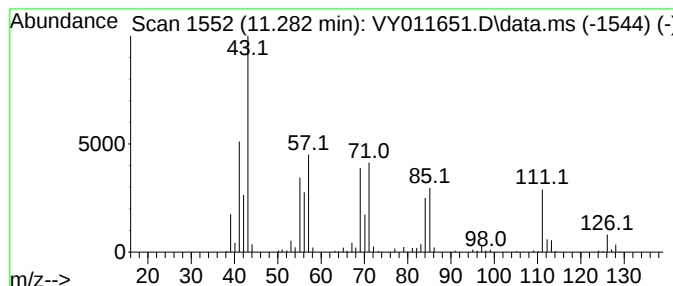
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Octane, 2-methyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.282 | 13.67 ug/l | 304375 | Chlorobenzene-d5 | 11.490 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Octane, 2-methyl-                   | 128 | C9H20    | 003221-61-2  | 72   |
| 2    |    |   | Octane, 4-methyl-                   | 128 | C9H20    | 002216-34-4  | 47   |
| 3    |    |   | Carbonic acid, nonyl prop-1-en-2... | 228 | C13H24O3 | 1000382-53-9 | 43   |
| 4    |    |   | 1-Pentanol, 2-methyl-               | 102 | C6H14O   | 000105-30-6  | 38   |
| 5    |    |   | Hexane, 3,3-dimethyl-               | 114 | C8H18    | 000563-16-6  | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011651.D  
Acq On : 30 Nov 2022 19:10  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

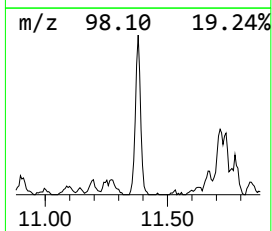
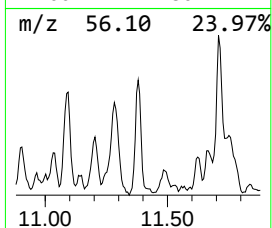
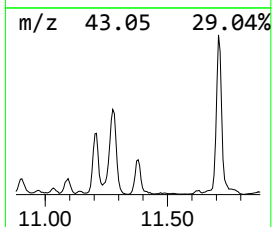
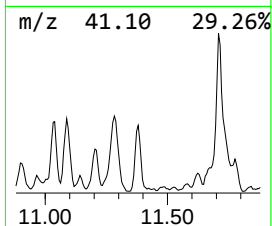
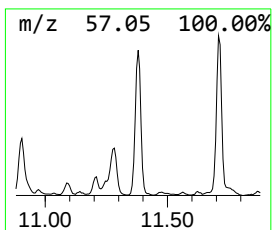
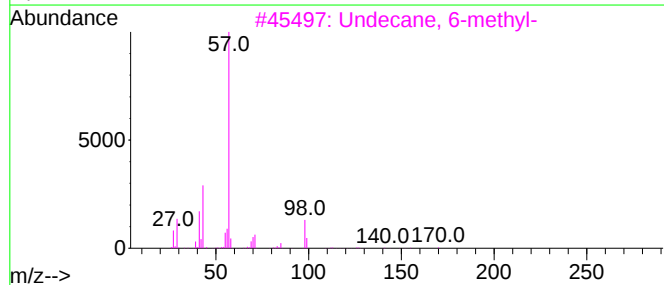
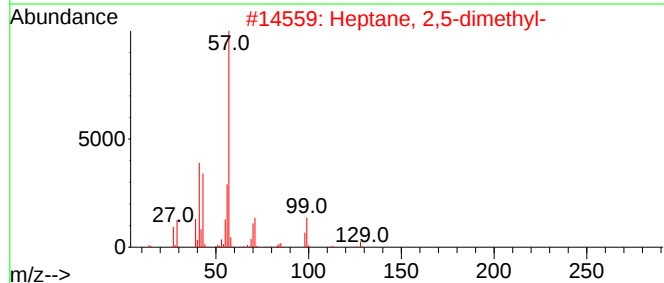
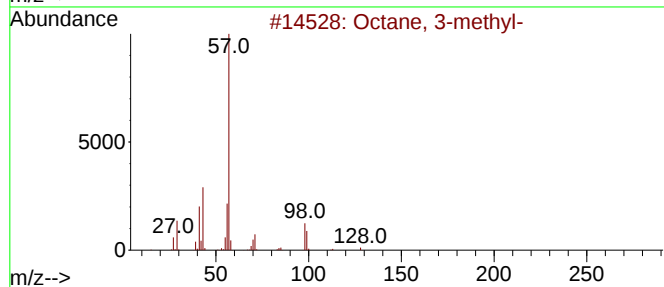
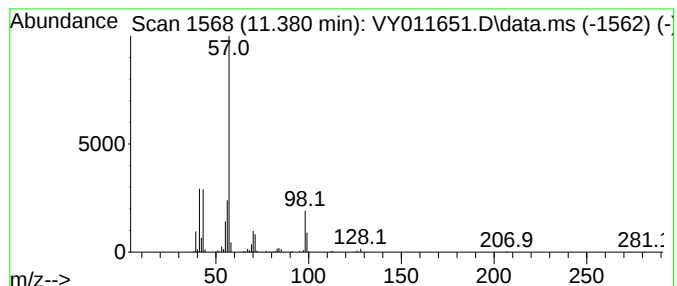
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Quant Title : SW846 8260

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

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Peak Number 6 Octane, 3-methyl- Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.380 | 6.68 ug/l | 148704 | Chlorobenzene-d5 | 11.490 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 3-methyl-           | 128 | C9H20   | 002216-33-3 | 87   |
| 2    |    |   | Heptane, 2,5-dimethyl-      | 128 | C9H20   | 002216-30-0 | 70   |
| 3    |    |   | Undecane, 6-methyl-         | 170 | C12H26  | 017302-33-9 | 59   |
| 4    |    |   | Heptane, 4-propyl-          | 142 | C10H22  | 003178-29-8 | 59   |
| 5    |    |   | Heptane, 4-(1-methylethyl)- | 142 | C10H22  | 052896-87-4 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011651.D  
Acq On : 30 Nov 2022 19:10  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

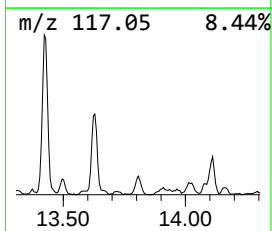
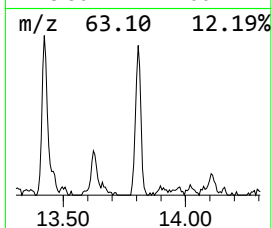
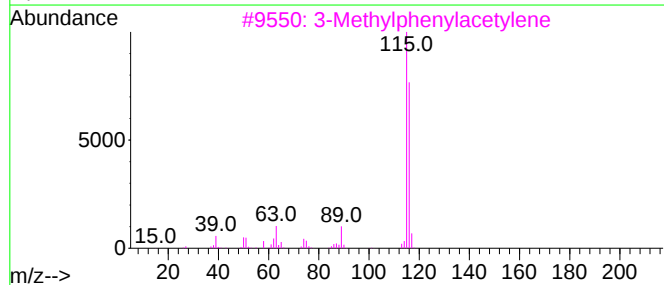
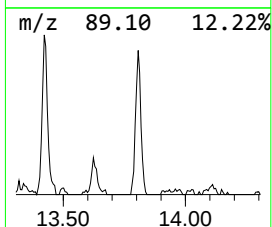
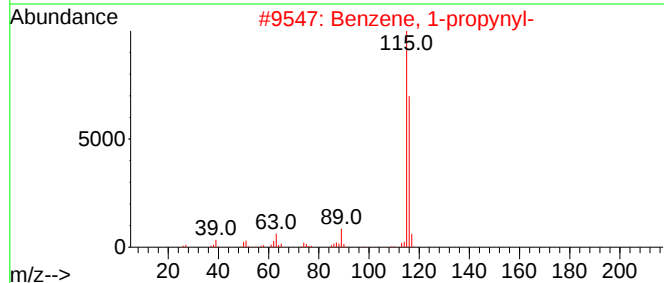
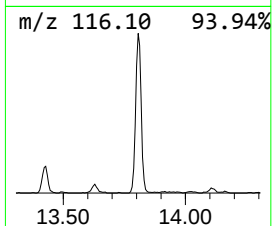
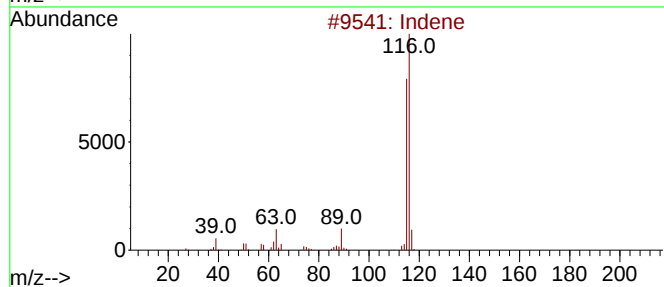
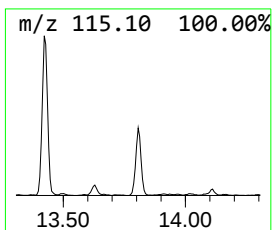
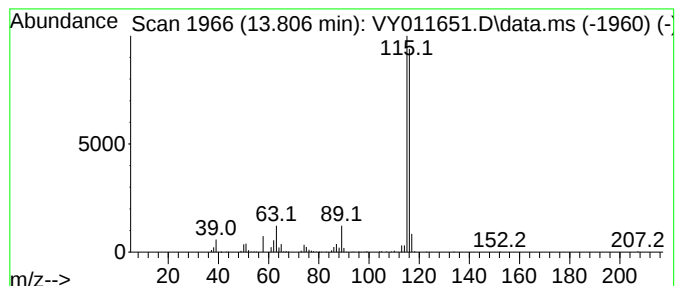
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Indene Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.806 | 6.04 ug/l | 130572 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indene                       | 116 | C9H8    | 000095-13-6 | 97   |
| 2    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 95   |
| 3    |    |   | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 94   |
| 4    |    |   | Benzene, 1,2-propadienyl-    | 116 | C9H8    | 002327-99-3 | 91   |
| 5    |    |   | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011651.D  
Acq On : 30 Nov 2022 19:10  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

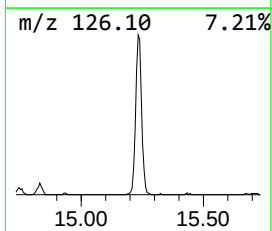
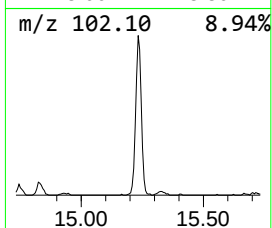
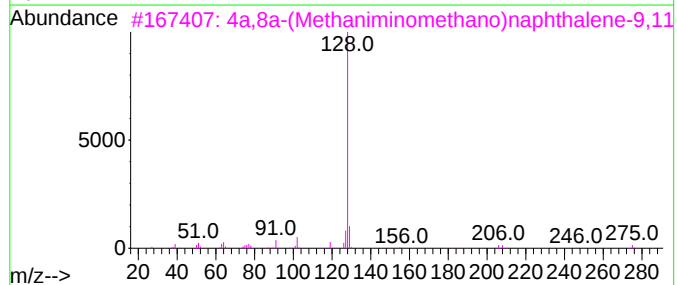
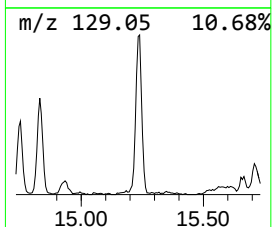
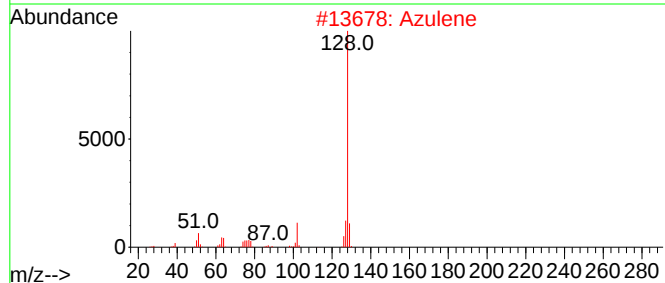
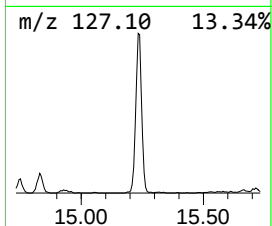
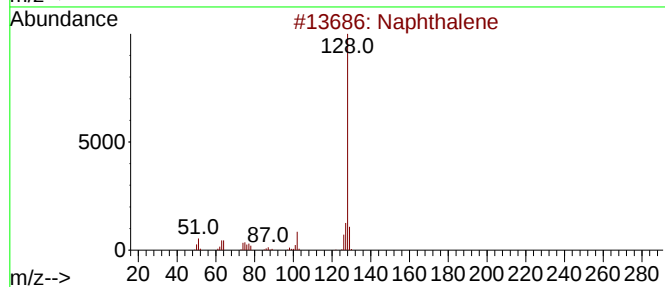
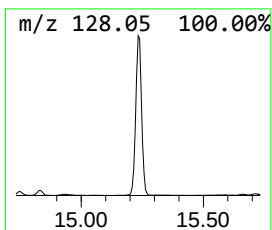
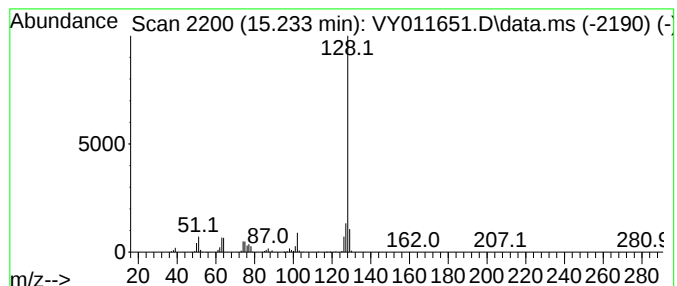
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Azulene Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.233 | 22.53 ug/l | 487082 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Naphthalene                         | 128 | C10H8      | 000091-20-3  | 95   |
| 2    |    |   | Azulene                             | 128 | C10H8      | 000275-51-4  | 93   |
| 3    |    |   | 4a,8a-(Methaniminomethano)naphth... | 275 | C18H13NO2  | 069915-10-2  | 64   |
| 4    |    |   | 2-Chlorophenol, O-(n-propyloxyca... | 214 | C10H11ClO3 | 1000487-24-1 | 45   |
| 5    |    |   | 1,3-Dicyanobenzene                  | 128 | C8H4N2     | 000626-17-5  | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011651.D  
Acq On : 30 Nov 2022 19:10  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

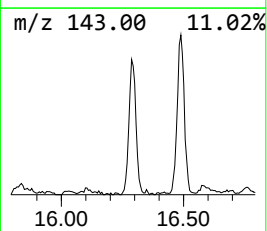
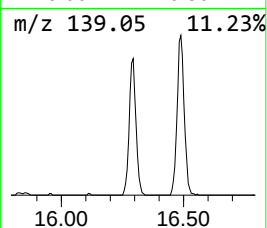
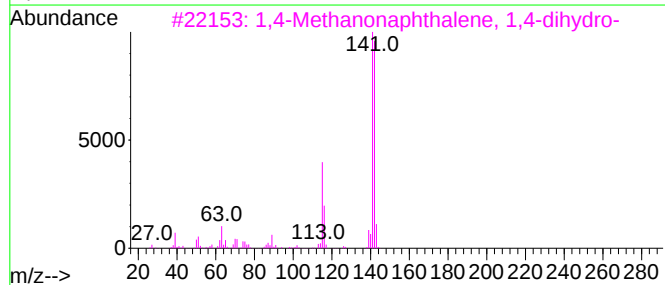
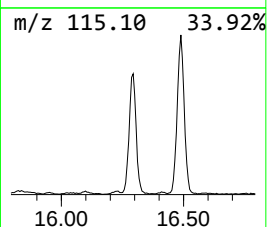
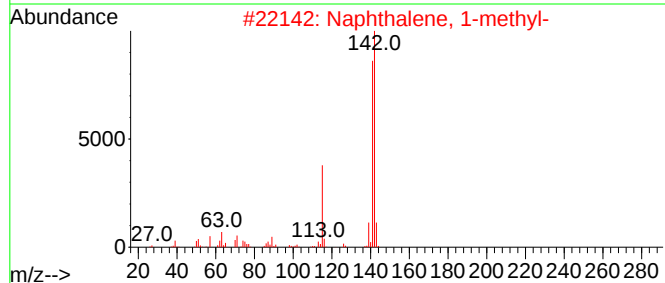
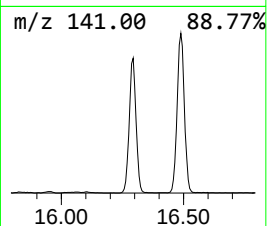
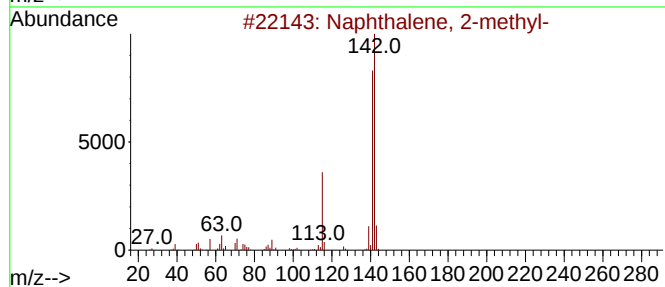
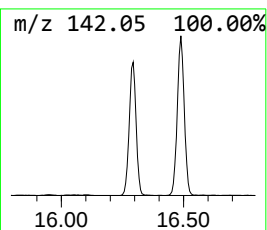
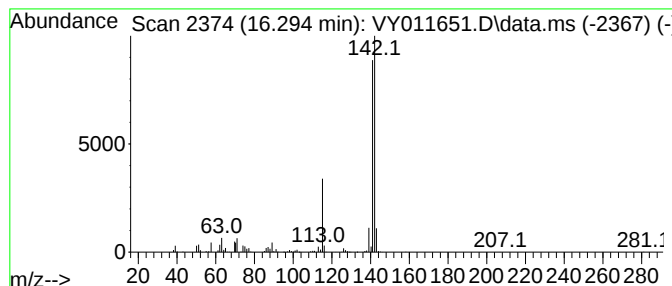
TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 1,4-Methanonaphthalene, 1,4... Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.294 | 18.94 ug/l | 409376 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 87   |
| 4    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 86   |
| 5    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011651.D  
Acq On : 30 Nov 2022 19:10  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

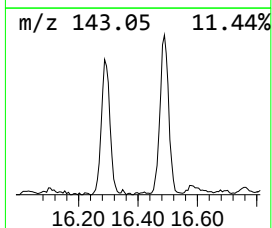
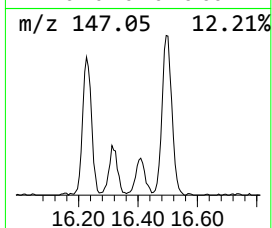
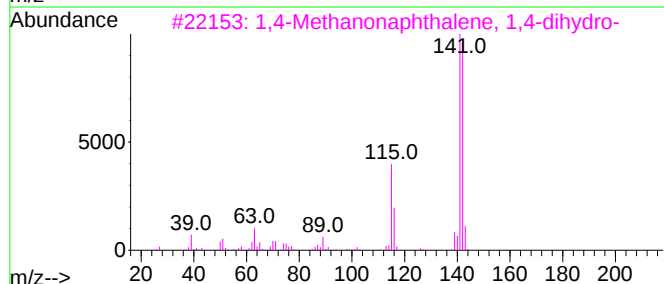
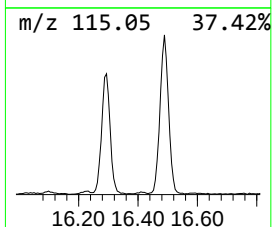
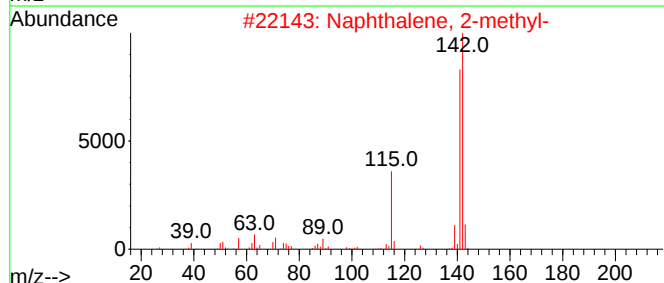
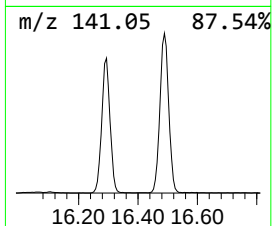
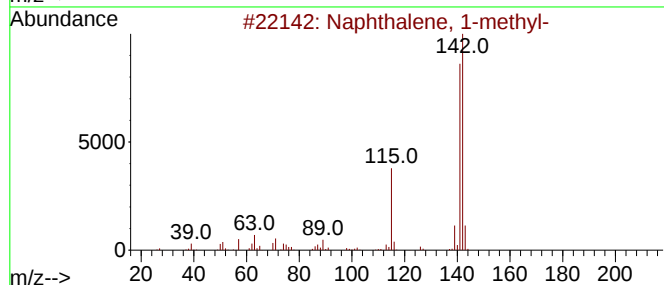
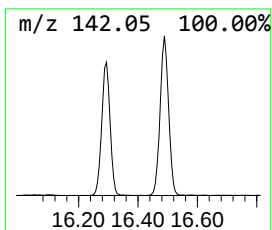
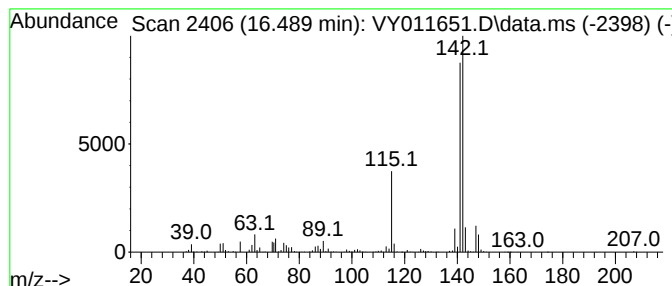
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Benzocycloheptatriene Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.489 | 25.46 ug/l | 550375 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |      | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |      | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 93   |
| 4    |      | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |      | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011651.D  
Acq On : 30 Nov 2022 19:10  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.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 |
| Octane             | 10.368 | 9.0     | ug/l  | 200677   | 3                     | 11.490 | 1113020 | 50.0 |
| Cyclohexane, et... | 11.038 | 7.0     | ug/l  | 156719   | 3                     | 11.490 | 1113020 | 50.0 |
| Cyclohexane, 1,... | 11.087 | 9.1     | ug/l  | 203031   | 3                     | 11.490 | 1113020 | 50.0 |
| Octane, 2-methyl-  | 11.282 | 13.7    | ug/l  | 304375   | 3                     | 11.490 | 1113020 | 50.0 |
| Octane, 3-methyl-  | 11.380 | 6.7     | ug/l  | 148704   | 3                     | 11.490 | 1113020 | 50.0 |
| Indene             | 13.806 | 6.0     | ug/l  | 130572   | 4                     | 13.428 | 1080930 | 50.0 |
| Azulene            | 15.233 | 22.5    | ug/l  | 487082   | 4                     | 13.428 | 1080930 | 50.0 |
| 1,4-Methanonaph... | 16.294 | 18.9    | ug/l  | 409376   | 4                     | 13.428 | 1080930 | 50.0 |
| Benzocyclohepta... | 16.489 | 25.5    | ug/l  | 550375   | 4                     | 13.428 | 1080930 | 50.0 |