

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
 Data File : VY007549.D  
 Acq On : 18 Feb 2022 16:51  
 Operator : SY/MD  
 Sample : N1600-02  
 Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C0AA1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Signal : TIC: VY007549.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 7.716       | 956           | 967         | 973          | rBV      | 67172          | 157496        | 28.02%          | 1.351%        |
| 2         | 7.789       | 973           | 979         | 992          | rVB      | 103797         | 231884        | 41.26%          | 1.989%        |
| 3         | 8.136       | 1029          | 1036        | 1050         | rBV      | 59513          | 130343        | 23.19%          | 1.118%        |
| 4         | 8.691       | 1117          | 1127        | 1135         | rBV      | 152917         | 307906        | 54.78%          | 2.641%        |
| 5         | 9.185       | 1200          | 1208        | 1213         | rBV4     | 5736           | 11724         | 2.09%           | 0.101%        |
| 6         | 9.819       | 1307          | 1312        | 1316         | rBV4     | 3812           | 7331          | 1.30%           | 0.063%        |
| 7         | 9.959       | 1324          | 1335        | 1345         | rVB5     | 3978           | 11610         | 2.07%           | 0.100%        |
| 8         | 10.179      | 1364          | 1371        | 1382         | rVB      | 260999         | 446886        | 79.51%          | 3.833%        |
| 9         | 10.368      | 1394          | 1402        | 1409         | rVB4     | 10509          | 22068         | 3.93%           | 0.189%        |
| 10        | 10.520      | 1422          | 1427        | 1433         | rVB3     | 5076           | 9130          | 1.62%           | 0.078%        |
| 11        | 10.618      | 1437          | 1443        | 1448         | rVB2     | 6846           | 12520         | 2.23%           | 0.107%        |
| 12        | 10.709      | 1454          | 1458        | 1463         | rVB4     | 3656           | 5863          | 1.04%           | 0.050%        |
| 13        | 10.801      | 1468          | 1473        | 1478         | rVV2     | 6648           | 9762          | 1.74%           | 0.084%        |
| 14        | 10.971      | 1496          | 1501        | 1503         | rBV3     | 4595           | 6920          | 1.23%           | 0.059%        |
| 15        | 11.032      | 1507          | 1511        | 1515         | rVV      | 12309          | 20302         | 3.61%           | 0.174%        |
| 16        | 11.087      | 1515          | 1520        | 1526         | rVB3     | 13936          | 25616         | 4.56%           | 0.220%        |
| 17        | 11.203      | 1533          | 1539        | 1543         | rBV4     | 8653           | 15534         | 2.76%           | 0.133%        |
| 18        | 11.282      | 1543          | 1552        | 1563         | rVB5     | 24399          | 66758         | 11.88%          | 0.573%        |
| 19        | 11.380      | 1563          | 1568        | 1573         | rBV2     | 19838          | 33445         | 5.95%           | 0.287%        |
| 20        | 11.490      | 1579          | 1586        | 1596         | rVB      | 242849         | 403597        | 71.81%          | 3.461%        |
| 21        | 11.624      | 1604          | 1608        | 1611         | rVV3     | 8061           | 10761         | 1.91%           | 0.092%        |
| 22        | 11.679      | 1611          | 1617        | 1618         | rVV3     | 12092          | 21182         | 3.77%           | 0.182%        |
| 23        | 11.709      | 1618          | 1622        | 1630         | rVV3     | 46606          | 102249        | 18.19%          | 0.877%        |
| 24        | 11.776      | 1630          | 1633        | 1639         | rVB3     | 18131          | 30096         | 5.35%           | 0.258%        |
| 25        | 11.837      | 1639          | 1643        | 1649         | rBV5     | 5228           | 10923         | 1.94%           | 0.094%        |
| 26        | 11.928      | 1650          | 1658        | 1663         | rVB7     | 7396           | 15497         | 2.76%           | 0.133%        |
| 27        | 12.002      | 1663          | 1670        | 1678         | rBV5     | 36754          | 107025        | 19.04%          | 0.918%        |
| 28        | 12.124      | 1685          | 1690        | 1694         | rVB      | 33837          | 46512         | 8.28%           | 0.399%        |
| 29        | 12.203      | 1698          | 1703        | 1705         | rBV3     | 26252          | 43127         | 7.67%           | 0.370%        |
| 30        | 12.239      | 1705          | 1709        | 1714         | rVB4     | 35426          | 67882         | 12.08%          | 0.582%        |
| 31        | 12.319      | 1719          | 1722        | 1725         | rBV3     | 8494           | 12730         | 2.26%           | 0.109%        |
| 32        | 12.380      | 1725          | 1732        | 1734         | rVV5     | 15105          | 32933         | 5.86%           | 0.282%        |
| 33        | 12.410      | 1734          | 1737        | 1740         | rVV      | 29075          | 43803         | 7.79%           | 0.376%        |
| 34        | 12.477      | 1744          | 1748        | 1753         | rVV      | 195200         | 288545        | 51.34%          | 2.475%        |
| 35        | 12.520      | 1753          | 1755        | 1760         | rVB2     | 28172          | 33420         | 5.95%           | 0.287%        |
| 36        | 12.569      | 1760          | 1763        | 1767         | rBV4     | 10857          | 13936         | 2.48%           | 0.120%        |

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 ClientSampleId :  
 C0AA1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

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Stop Thrs : 0

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 37 | 12.642 | 1771 | 1775 | 1782 | rVB4 | 38558  | 75879  | 13.50%  | 0.651% |
| 38 | 12.727 | 1782 | 1789 | 1793 | rBV4 | 40345  | 92781  | 16.51%  | 0.796% |
| 39 | 12.800 | 1793 | 1801 | 1807 | rBV2 | 220179 | 384627 | 68.43%  | 3.299% |
| 40 | 12.855 | 1807 | 1810 | 1815 | rVB3 | 39440  | 64223  | 11.43%  | 0.551% |
| 41 | 12.910 | 1815 | 1819 | 1820 | rBV3 | 9714   | 11228  | 2.00%   | 0.096% |
| 42 | 12.953 | 1821 | 1826 | 1832 | rBV3 | 32296  | 92169  | 16.40%  | 0.790% |
| 43 | 13.001 | 1832 | 1834 | 1836 | rVV2 | 13870  | 12782  | 2.27%   | 0.110% |
| 44 | 13.038 | 1836 | 1840 | 1847 | rVB2 | 113968 | 179049 | 31.86%  | 1.536% |
| 45 | 13.117 | 1847 | 1853 | 1857 | rBV3 | 34301  | 72381  | 12.88%  | 0.621% |
| 46 | 13.166 | 1857 | 1861 | 1866 | rBV3 | 29511  | 46476  | 8.27%   | 0.399% |
| 47 | 13.221 | 1866 | 1870 | 1872 | rBV2 | 23567  | 30629  | 5.45%   | 0.263% |
| 48 | 13.312 | 1878 | 1885 | 1889 | rBV4 | 99820  | 214705 | 38.20%  | 1.841% |
| 49 | 13.361 | 1889 | 1893 | 1896 | rVV2 | 62311  | 88135  | 15.68%  | 0.756% |
| 50 | 13.422 | 1896 | 1903 | 1912 | rVB3 | 277051 | 519127 | 92.36%  | 4.452% |
| 51 | 13.501 | 1912 | 1916 | 1920 | rBV3 | 62589  | 85005  | 15.12%  | 0.729% |
| 52 | 13.562 | 1923 | 1926 | 1929 | rVB4 | 18831  | 19910  | 3.54%   | 0.171% |
| 53 | 13.617 | 1931 | 1935 | 1939 | rVB2 | 51498  | 73366  | 13.05%  | 0.629% |
| 54 | 13.660 | 1939 | 1942 | 1947 | rBV2 | 51094  | 75566  | 13.44%  | 0.648% |
| 55 | 13.751 | 1951 | 1957 | 1961 | rBV2 | 367627 | 562070 | 100.00% | 4.820% |
| 56 | 13.794 | 1961 | 1964 | 1966 | rBV2 | 34107  | 43678  | 7.77%   | 0.375% |
| 57 | 13.910 | 1980 | 1983 | 1989 | rVB4 | 64048  | 93787  | 16.69%  | 0.804% |
| 58 | 13.965 | 1989 | 1992 | 1997 | rVB2 | 82983  | 118598 | 21.10%  | 1.017% |
| 59 | 14.013 | 1997 | 2000 | 2005 | rVB4 | 70691  | 101324 | 18.03%  | 0.869% |
| 60 | 14.074 | 2005 | 2010 | 2015 | rBV3 | 133129 | 221314 | 39.37%  | 1.898% |
| 61 | 14.141 | 2015 | 2021 | 2027 | rBV8 | 65952  | 161214 | 28.68%  | 1.383% |
| 62 | 14.196 | 2027 | 2030 | 2032 | rBV3 | 39743  | 51264  | 9.12%   | 0.440% |
| 63 | 14.251 | 2033 | 2039 | 2046 | rVV8 | 177699 | 385958 | 68.67%  | 3.310% |
| 64 | 14.312 | 2046 | 2049 | 2056 | rVB4 | 64968  | 154130 | 27.42%  | 1.322% |
| 65 | 14.379 | 2056 | 2060 | 2063 | rBV3 | 111943 | 154692 | 27.52%  | 1.327% |
| 66 | 14.422 | 2063 | 2067 | 2071 | rVB3 | 138224 | 189232 | 33.67%  | 1.623% |
| 67 | 14.477 | 2072 | 2076 | 2079 | rBV5 | 54067  | 79306  | 14.11%  | 0.680% |
| 68 | 14.611 | 2094 | 2098 | 2102 | rVB  | 285571 | 382810 | 68.11%  | 3.283% |
| 69 | 14.678 | 2103 | 2109 | 2114 | rBV4 | 173225 | 378244 | 67.29%  | 3.244% |
| 70 | 14.727 | 2114 | 2117 | 2124 | rVB4 | 225272 | 366062 | 65.13%  | 3.139% |
| 71 | 14.836 | 2132 | 2135 | 2145 | rVB4 | 83153  | 186348 | 33.15%  | 1.598% |
| 72 | 14.940 | 2148 | 2152 | 2156 | rVB4 | 81041  | 112433 | 20.00%  | 0.964% |
| 73 | 14.977 | 2156 | 2158 | 2160 | rBV2 | 22288  | 19165  | 3.41%   | 0.164% |
| 74 | 15.050 | 2164 | 2170 | 2175 | rBV5 | 82027  | 209314 | 37.24%  | 1.795% |
| 75 | 15.135 | 2180 | 2184 | 2190 | rVB6 | 102755 | 213880 | 38.05%  | 1.834% |
| 76 | 15.208 | 2191 | 2196 | 2200 | rBV3 | 176135 | 300711 | 53.50%  | 2.579% |

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 ClientSampleId :  
 C0AA1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M

Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 15.288 | 2206 | 2209 | 2213 | rVB2 | 59931  | 79425  | 14.13% | 0.681% |
| 78 | 15.342 | 2214 | 2218 | 2222 | rBV6 | 68307  | 131186 | 23.34% | 1.125% |
| 79 | 15.434 | 2229 | 2233 | 2241 | rVB2 | 256381 | 412335 | 73.36% | 3.536% |
| 80 | 15.538 | 2241 | 2250 | 2255 | rBV6 | 78485  | 258773 | 46.04% | 2.219% |
|    |        |      |      |      |      |        |        |        |        |
| 81 | 15.605 | 2256 | 2261 | 2266 | rVB3 | 90793  | 167647 | 29.83% | 1.438% |
| 82 | 15.727 | 2278 | 2281 | 2287 | rVB4 | 80897  | 133199 | 23.70% | 1.142% |
| 83 | 15.879 | 2302 | 2306 | 2318 | rVB7 | 52100  | 137043 | 24.38% | 1.175% |
| 84 | 16.025 | 2324 | 2330 | 2336 | rBV4 | 101891 | 248675 | 44.24% | 2.133% |
| 85 | 16.153 | 2347 | 2351 | 2356 | rBV  | 81863  | 132611 | 23.59% | 1.137% |
|    |        |      |      |      |      |        |        |        |        |
| 86 | 16.226 | 2358 | 2363 | 2369 | rVB3 | 108226 | 220232 | 39.18% | 1.889% |
| 87 | 16.361 | 2380 | 2385 | 2395 | rVB  | 115710 | 220225 | 39.18% | 1.889% |
| 88 | 16.470 | 2400 | 2403 | 2408 | rBV5 | 36053  | 77904  | 13.86% | 0.668% |

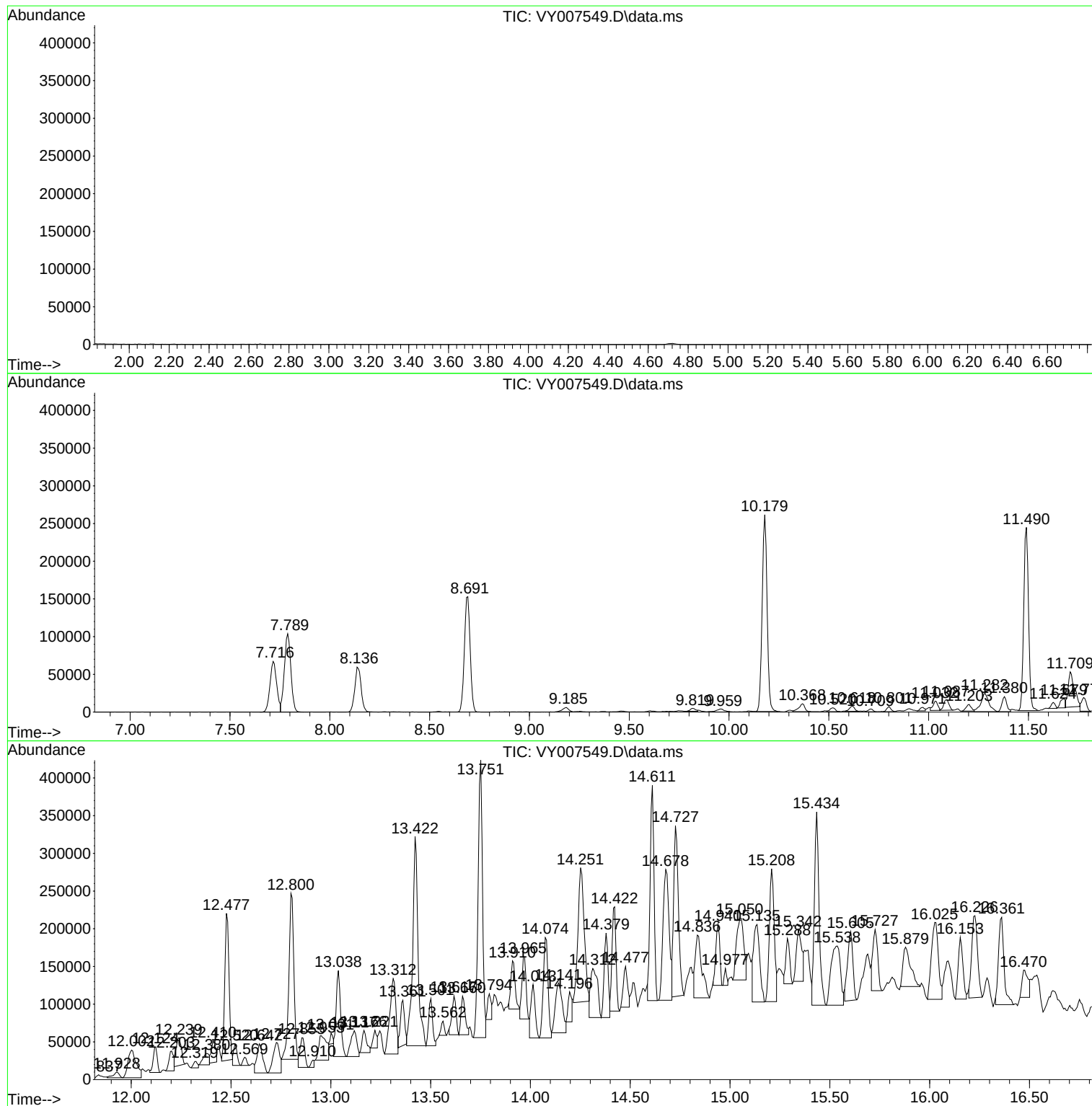
Sum of corrected areas: 11660143

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

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



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

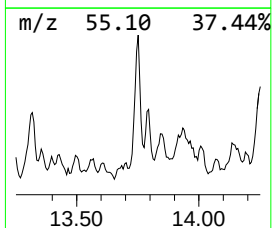
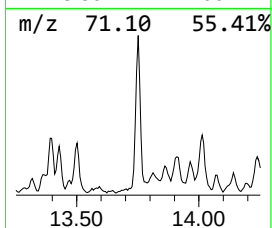
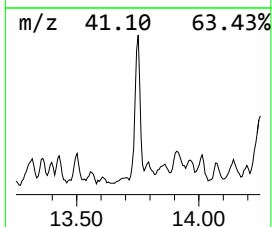
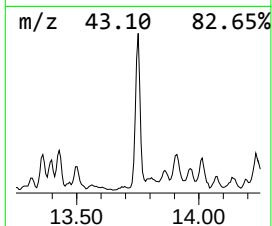
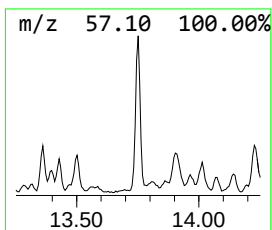
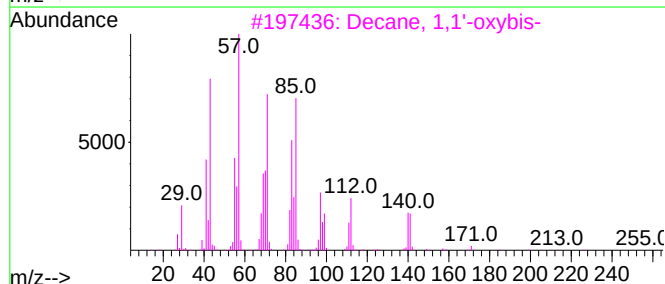
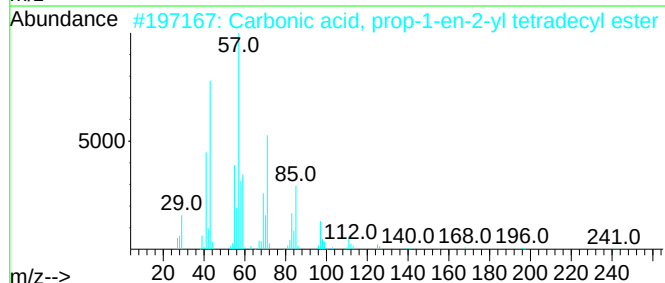
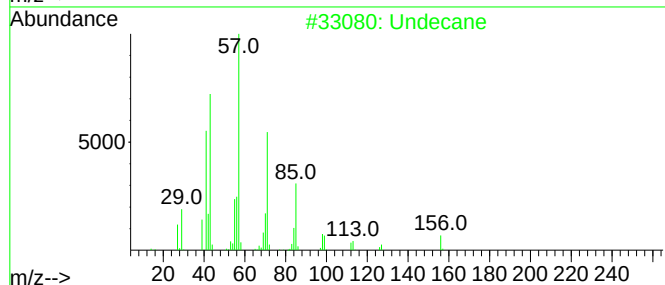
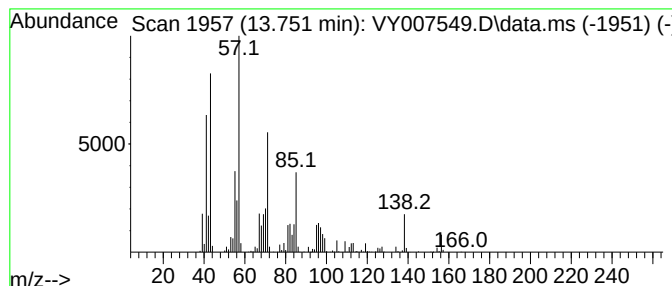
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Undecane Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.751 | 54.14 ug/l | 562070 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Undecane                            |   |              | 156 | C11H24   | 001120-21-4  | 96   |
| 2    | Carbonic acid, prop-1-en-2-yl te... |   |              | 298 | C18H34O3 | 1000382-90-9 | 74   |
| 3    | Decane, 1,1'-oxybis-                |   |              | 298 | C20H42O  | 002456-28-2  | 72   |
| 4    | Decane, 2,3,8-trimethyl-            |   |              | 184 | C13H28   | 062238-14-6  | 50   |
| 5    | Octacosane                          |   |              | 394 | C28H58   | 000630-02-4  | 47   |



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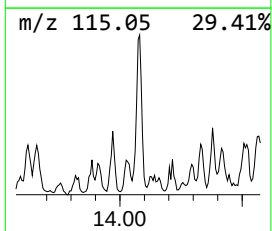
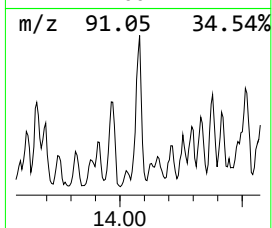
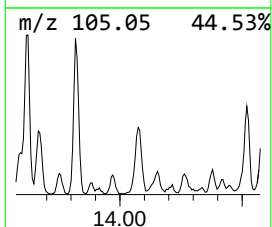
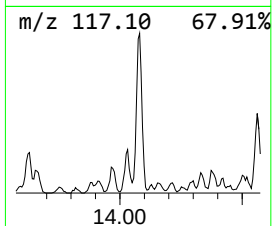
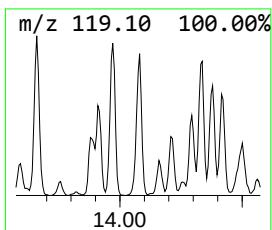
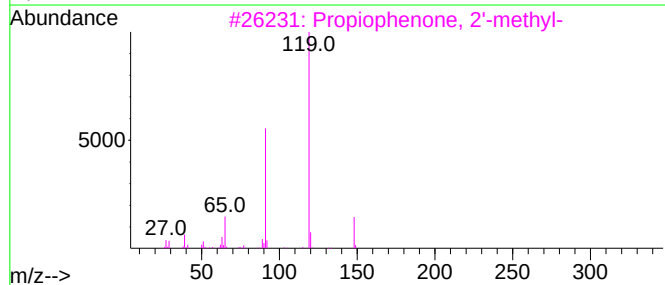
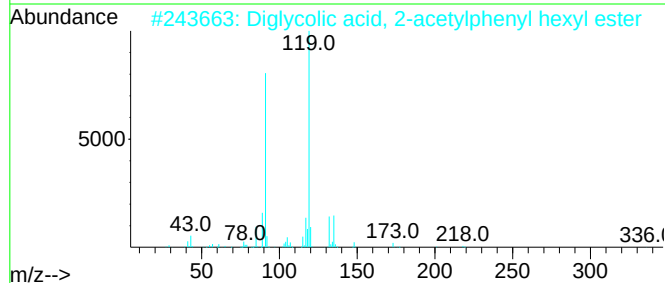
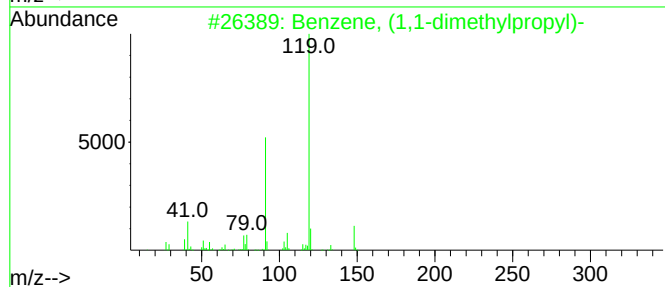
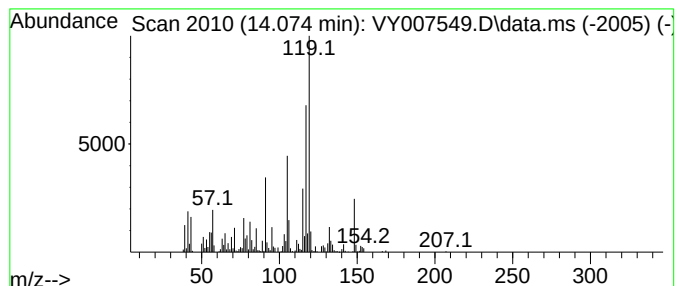
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

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

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Peak Number 2 unknown14.074 Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.074 | 21.32 ug/l | 221314 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16   | 002049-95-8  | 46   |
| 2    |    |   | Diglycolic acid, 2-acetylphenyl ... | 336 | C18H24O6 | 1000382-72-2 | 43   |
| 3    |    |   | Propiophenone, 2'-methyl-           | 148 | C10H12O  | 002040-14-4  | 38   |
| 4    |    |   | Benzene, 1,3-diethyl-5-methyl-      | 148 | C11H16   | 002050-24-0  | 38   |
| 5    |    |   | 1-Methyl-2-phenylcyclopropane       | 132 | C10H12   | 003145-76-4  | 35   |



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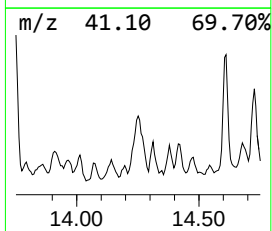
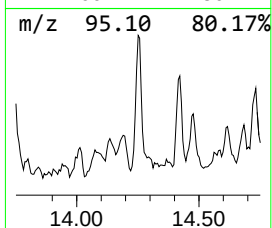
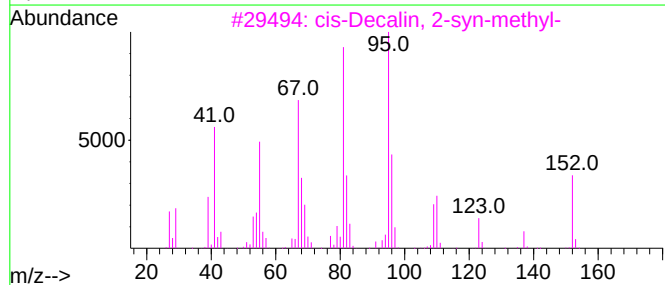
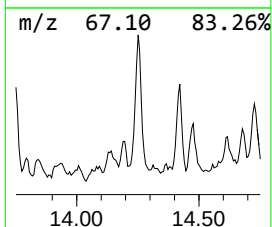
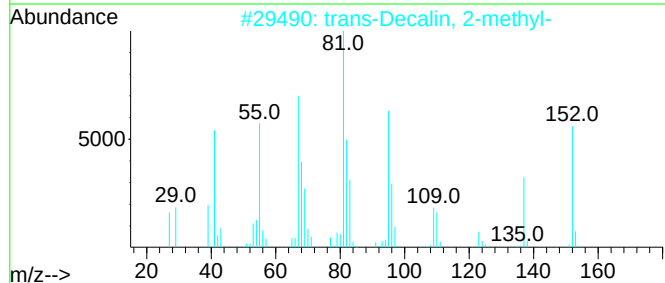
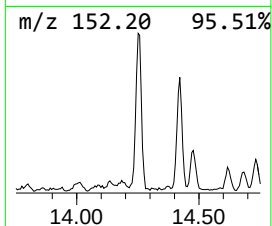
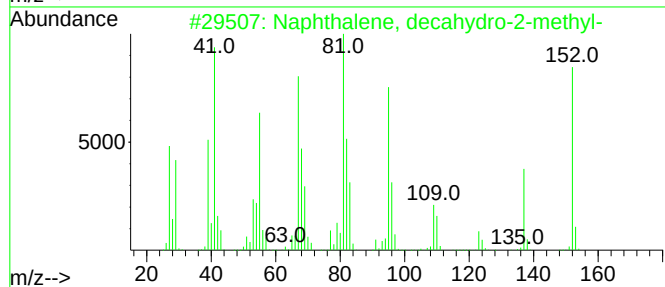
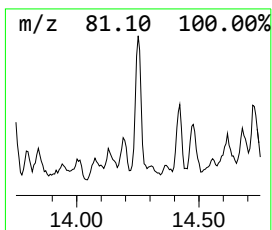
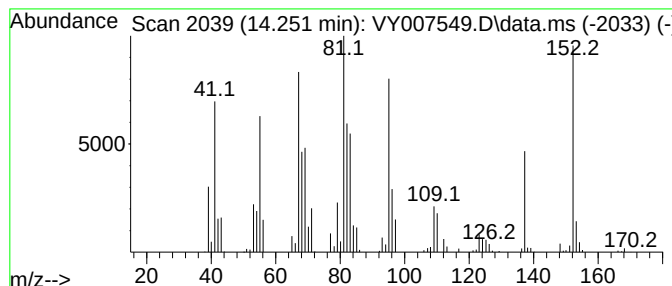
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.251 | 37.17 ug/l | 385958 | 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  | 98   |
| 2    |    |   | trans-Decalin, 2-methyl-         | 152 | C11H20  | 1000152-47-3 | 97   |
| 3    |    |   | cis-Decalin, 2-syn-methyl-       | 152 | C11H20  | 1000155-85-6 | 74   |
| 4    |    |   | Bicyclo[4.1.0]heptane, 3-methyl- | 110 | C8H14   | 041977-47-3  | 70   |
| 5    |    |   | 1-Methyldecahydronaphthalene     | 152 | C11H20  | 002958-75-0  | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007549.D  
Acq On : 18 Feb 2022 16:51  
Operator : SY/MD  
Sample : N1600-02  
Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA1

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

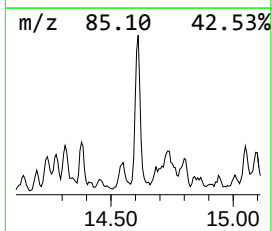
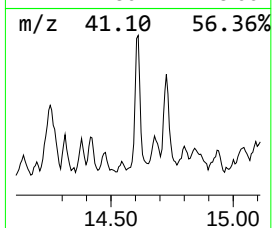
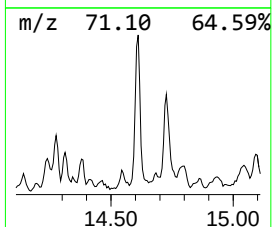
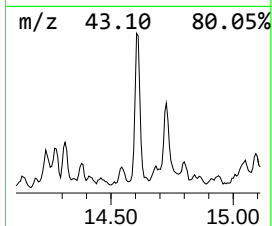
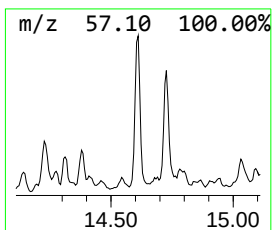
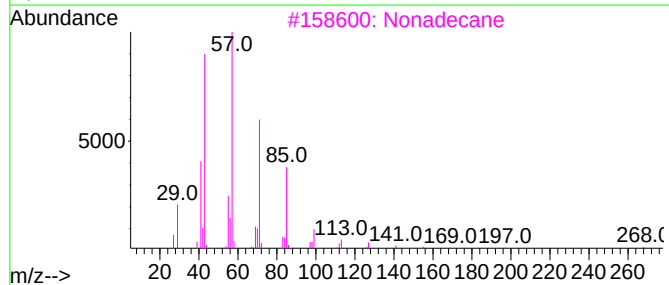
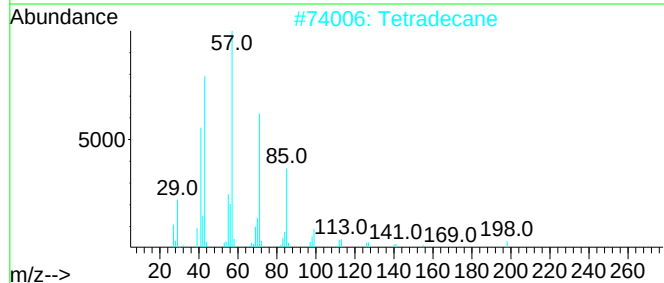
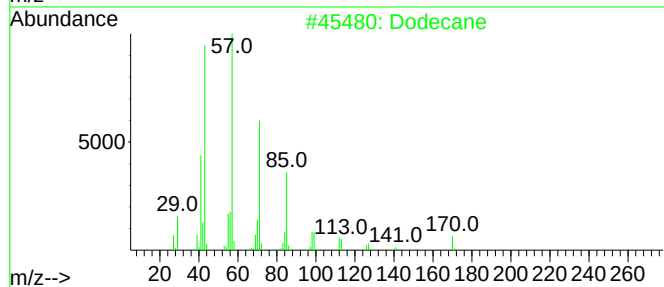
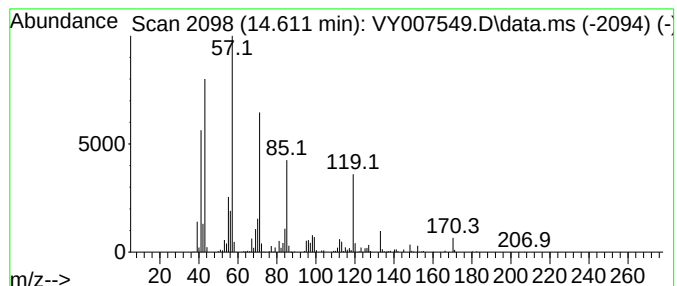
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Dodecane Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.611 | 36.87 ug/l | 382810 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dodecane                           | 170 | C12H26   | 000112-40-3  | 96   |
| 2    |    |   | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 68   |
| 3    |    |   | Nonadecane                         | 268 | C19H40   | 000629-92-5  | 64   |
| 4    |    |   | Carbonic acid, dodecyl vinyl ester | 256 | C15H28O3 | 1000382-54-8 | 64   |
| 5    |    |   | Undecane                           | 156 | C11H24   | 001120-21-4  | 64   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007549.D  
Acq On : 18 Feb 2022 16:51  
Operator : SY/MD  
Sample : N1600-02  
Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA1

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

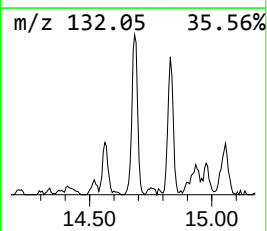
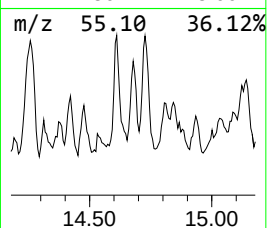
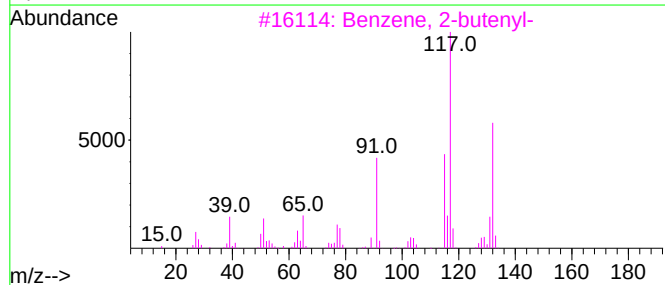
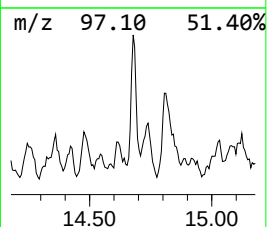
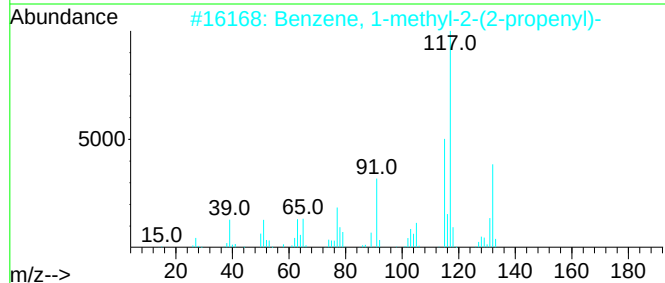
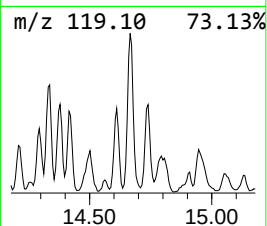
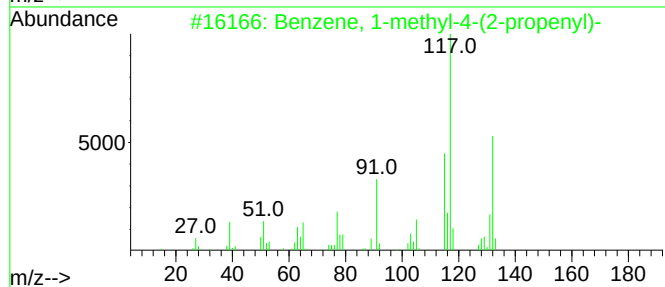
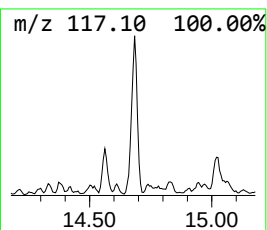
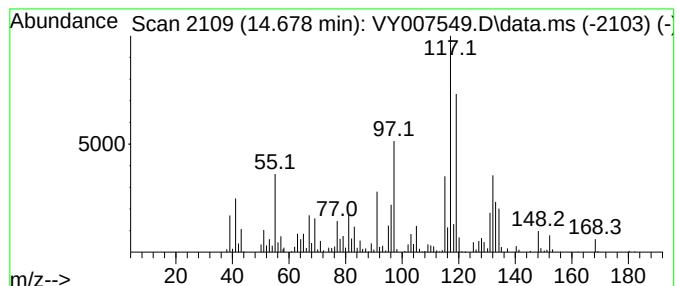
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 1-methyl-4-(2-prop... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.678 | 36.43 ug/l | 378244 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 53   |
| 2    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 49   |
| 3    |    |   | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 49   |
| 4    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 42   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 | C10H12  | 000874-35-1 | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007549.D  
Acq On : 18 Feb 2022 16:51  
Operator : SY/MD  
Sample : N1600-02  
Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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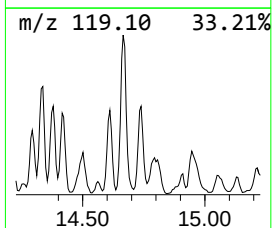
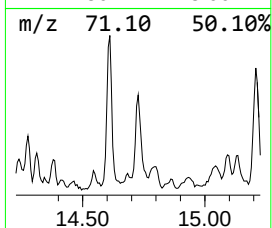
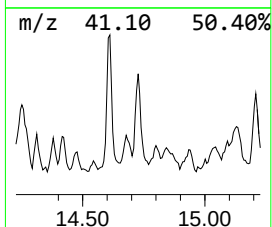
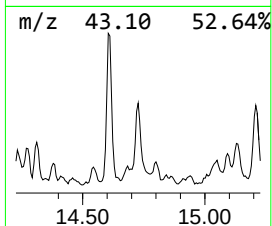
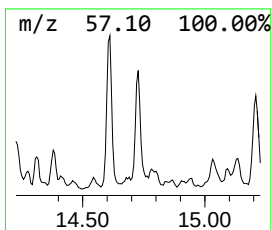
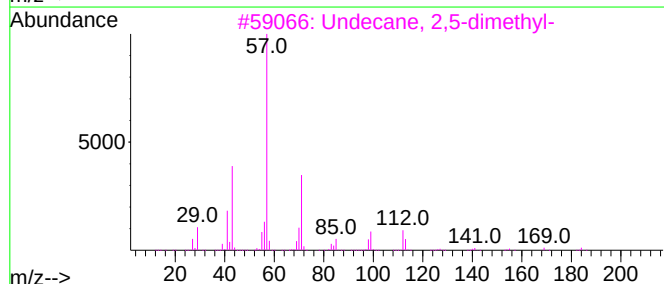
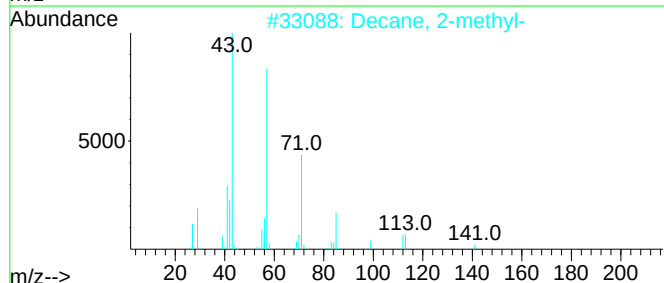
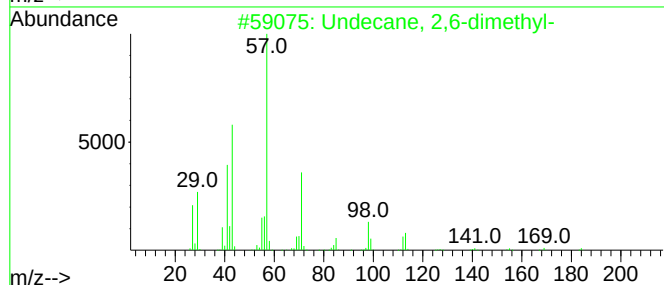
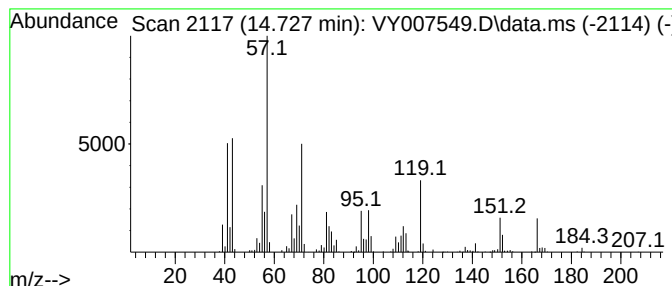
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Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.727 | 35.26 ug/l | 366062 | 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 | 91   |
| 2    |    |   | Decane, 2-methyl-       | 156 | C11H24  | 006975-98-0 | 41   |
| 3    |    |   | Undecane, 2,5-dimethyl- | 184 | C13H28  | 017301-22-3 | 38   |
| 4    |    |   | Octacosane              | 394 | C28H58  | 000630-02-4 | 30   |
| 5    |    |   | Octane, 3,6-dimethyl-   | 142 | C10H22  | 015869-94-0 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007549.D  
Acq On : 18 Feb 2022 16:51  
Operator : SY/MD  
Sample : N1600-02  
Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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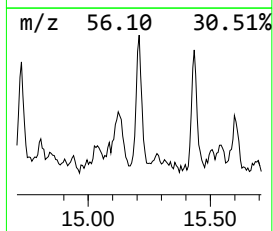
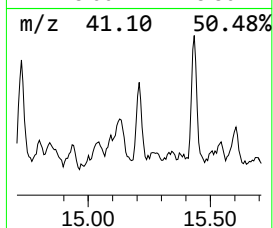
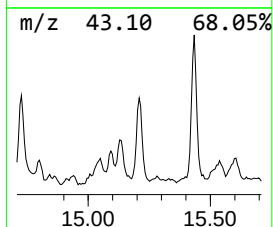
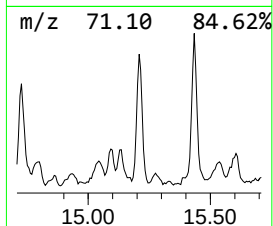
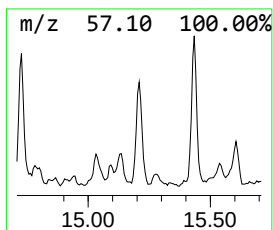
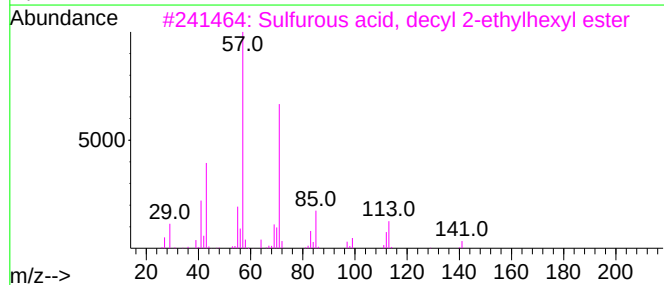
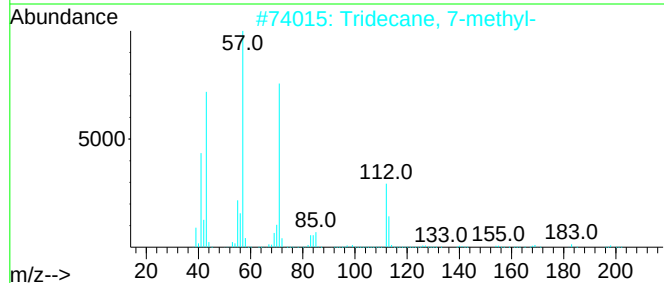
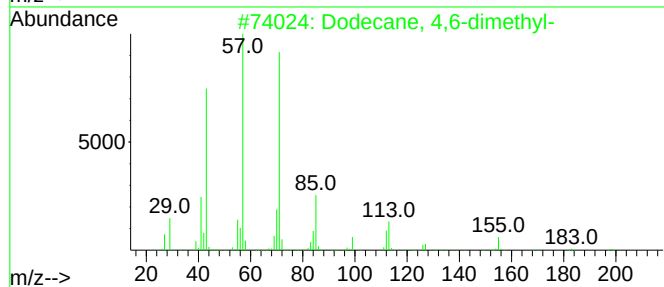
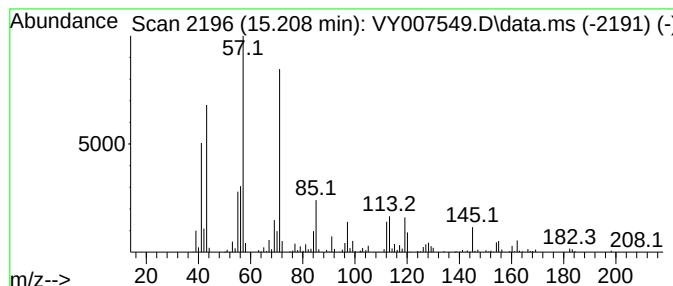
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Quant Title : SW846 8260

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

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Peak Number 7 Dodecane, 4,6-dimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.208 | 28.96 ug/l | 300711 | 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  | 93   |
| 2    |    |   | Tridecane, 7-methyl-                | 198 | C14H30    | 026730-14-3  | 83   |
| 3    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 64   |
| 4    |    |   | Heptane, 2,6-dimethyl-              | 128 | C9H20     | 001072-05-5  | 58   |
| 5    |    |   | Decane, 5-propyl-                   | 184 | C13H28    | 017312-62-8  | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007549.D  
Acq On : 18 Feb 2022 16:51  
Operator : SY/MD  
Sample : N1600-02  
Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA1

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

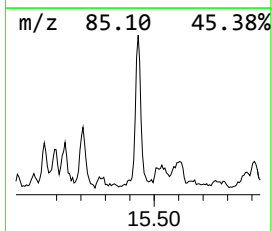
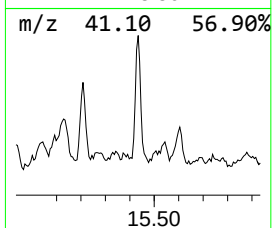
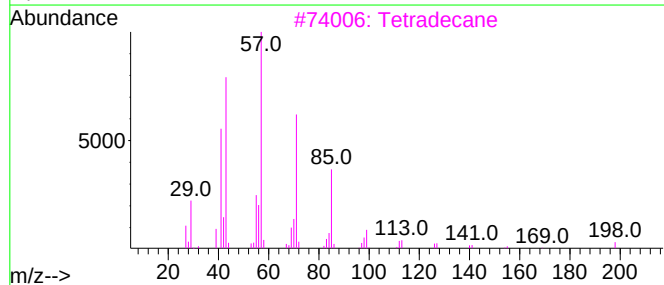
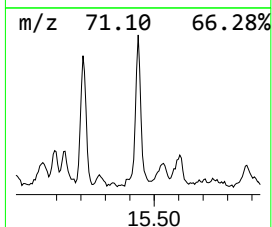
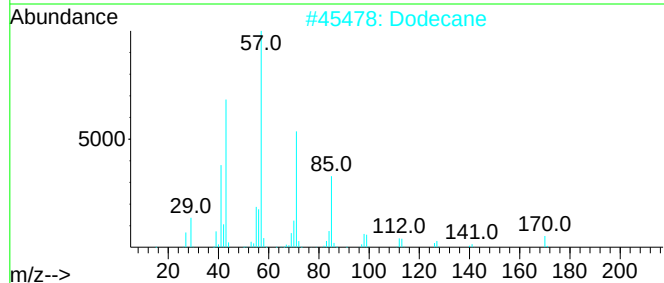
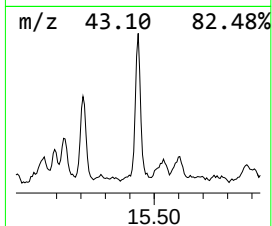
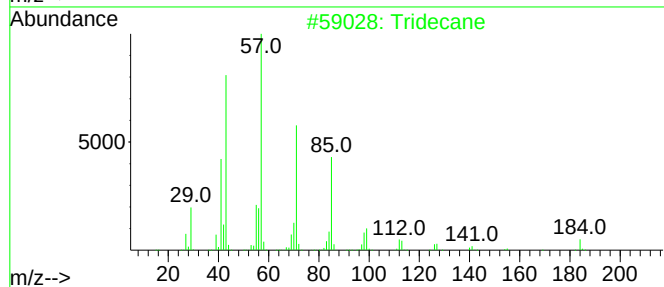
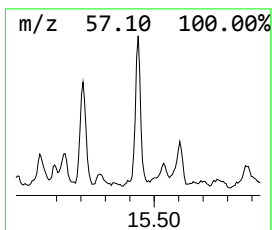
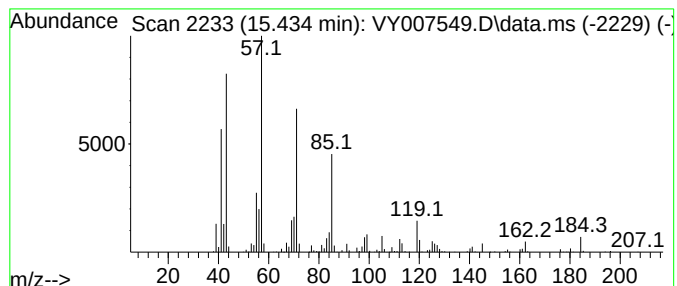
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tridecane Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.434 | 39.71 ug/l | 412335 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5 | 97   |
| 2    |    |   | Dodecane                 | 170 | C12H26  | 000112-40-3 | 80   |
| 3    |    |   | Tetradecane              | 198 | C14H30  | 000629-59-4 | 74   |
| 4    |    |   | Undecane, 2,4-dimethyl-  | 184 | C13H28  | 017312-80-0 | 72   |
| 5    |    |   | Octane, 2,3,3-trimethyl- | 156 | C11H24  | 062016-30-2 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007549.D  
Acq On : 18 Feb 2022 16:51  
Operator : SY/MD  
Sample : N1600-02  
Misc : 5.14g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA1

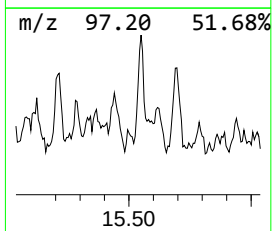
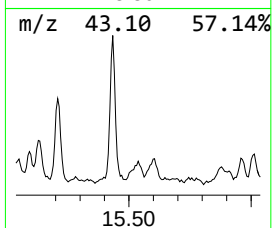
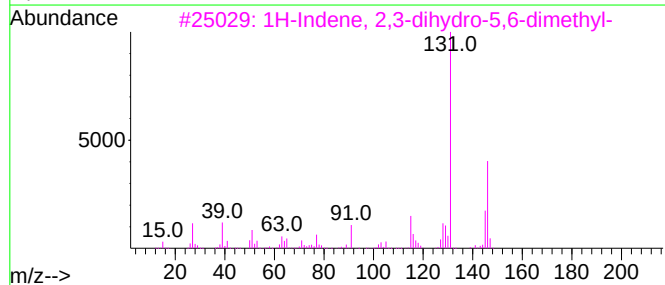
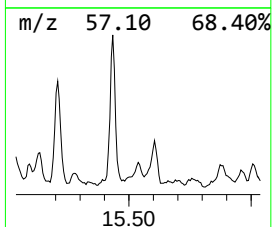
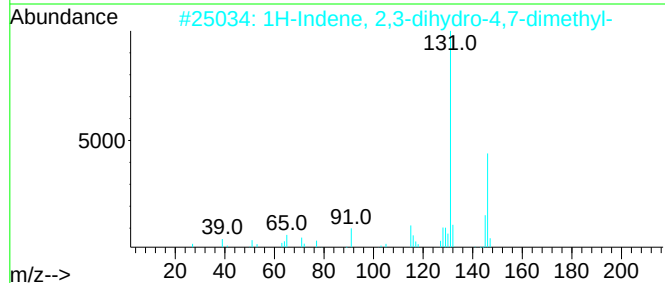
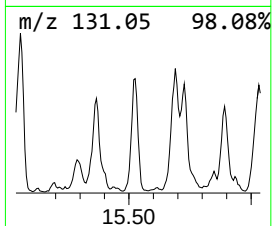
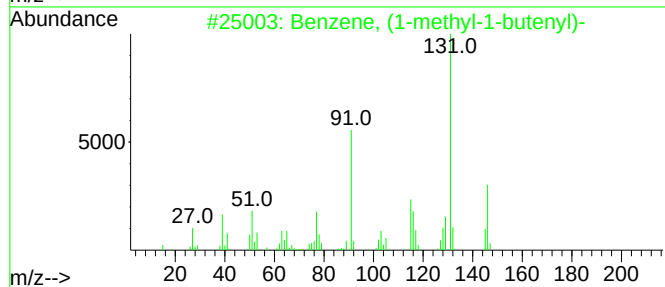
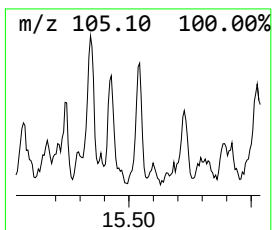
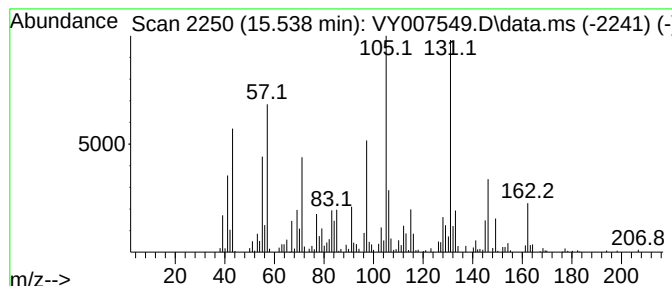
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Benzene, (1-methyl-1-butenyl)- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.538 | 24.92 ug/l | 258773 | 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 | 56   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 42   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 42   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 42   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 42   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007549.D  
Acq On : 18 Feb 2022 16:51  
Operator : SY/MD  
Sample : N1600-02  
Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA1

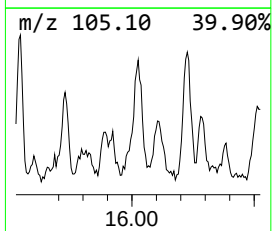
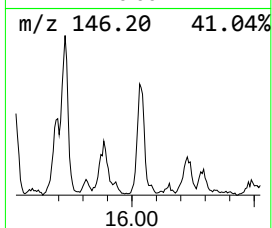
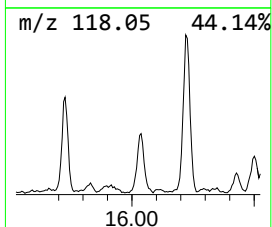
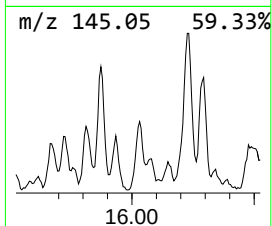
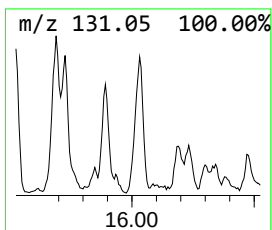
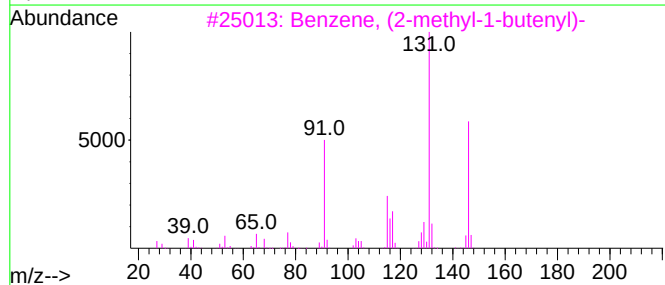
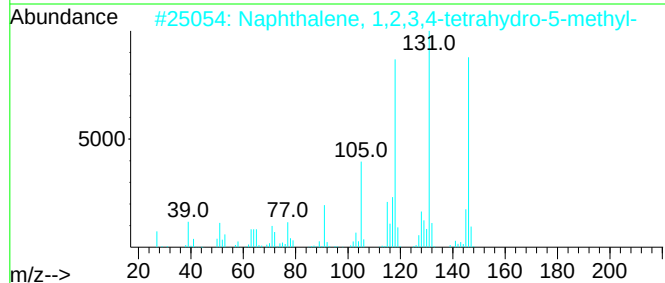
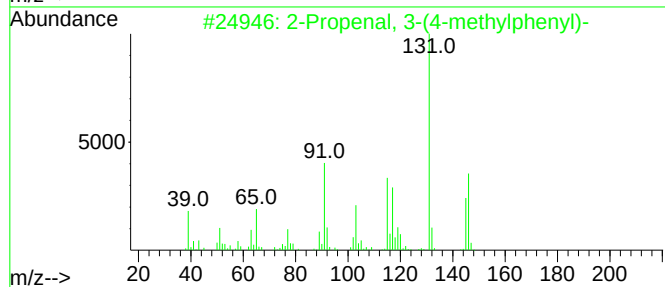
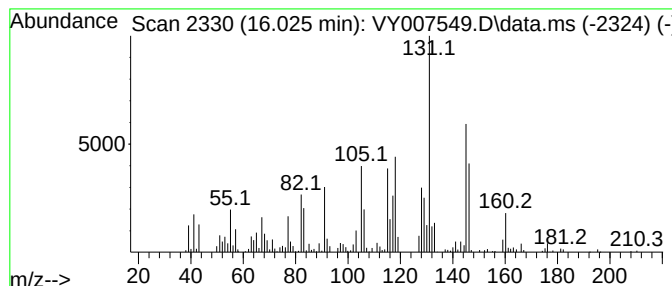
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

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

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Peak Number 10 unknown16.025 Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.025 | 23.95 ug/l | 248675 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | 2-Propenal, 3-(4-methylphenyl)-     | 146 | C10H10O | 001504-75-2 | 49   |
| 2    |      | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 49   |
| 3    |      | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 47   |
| 4    |      | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 46   |
| 5    |      | Naphthalene, 5-ethyl-1,2,3,4-tet... | 160 | C12H16  | 042775-75-7 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
Data File : VY007549.D  
Acq On : 18 Feb 2022 16:51  
Operator : SY/MD  
Sample : N1600-02  
Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C0AA1

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

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Undecane           | 13.751 | 54.1    | ug/l  | 562070   | 4                     | 13.422 | 519127 | 50.0 |
| unknown14.074      | 14.074 | 21.3    | ug/l  | 221314   | 4                     | 13.422 | 519127 | 50.0 |
| Naphthalene, de... | 14.251 | 37.2    | ug/l  | 385958   | 4                     | 13.422 | 519127 | 50.0 |
| Dodecane           | 14.611 | 36.9    | ug/l  | 382810   | 4                     | 13.422 | 519127 | 50.0 |
| Benzene, 1-meth... | 14.678 | 36.4    | ug/l  | 378244   | 4                     | 13.422 | 519127 | 50.0 |
| Undecane, 2,6-d... | 14.727 | 35.3    | ug/l  | 366062   | 4                     | 13.422 | 519127 | 50.0 |
| Dodecane, 4,6-d... | 15.208 | 29.0    | ug/l  | 300711   | 4                     | 13.422 | 519127 | 50.0 |
| Tridecane          | 15.434 | 39.7    | ug/l  | 412335   | 4                     | 13.422 | 519127 | 50.0 |
| Benzene, (1-met... | 15.538 | 24.9    | ug/l  | 258773   | 4                     | 13.422 | 519127 | 50.0 |
| unknown16.025      | 16.025 | 23.9    | ug/l  | 248675   | 4                     | 13.422 | 519127 | 50.0 |