

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
 Data File : VY007522.D  
 Acq On : 17 Feb 2022 15:04  
 Operator : SY/MD  
 Sample : N1556-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NE-SURFICIAL-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\82Y021422S.M  
 Title : SW846 8260

Signal : TIC: VY007522.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.942       | 341           | 348         | 360          | rBV2     | 2483           | 7120          | 1.11%           | 0.118%        |
| 2         | 7.716       | 958           | 967         | 973          | rBV      | 21186          | 50352         | 7.85%           | 0.838%        |
| 3         | 7.789       | 973           | 979         | 989          | rVB2     | 43042          | 95966         | 14.95%          | 1.596%        |
| 4         | 8.142       | 1029          | 1037        | 1046         | rVB2     | 18636          | 42318         | 6.59%           | 0.704%        |
| 5         | 8.685       | 1116          | 1126        | 1137         | rBB      | 60346          | 118782        | 18.51%          | 1.976%        |
| 6         | 10.179      | 1364          | 1371        | 1377         | rBV      | 93024          | 160213        | 24.97%          | 2.665%        |
| 7         | 10.240      | 1377          | 1381        | 1387         | rVB      | 8605           | 14336         | 2.23%           | 0.238%        |
| 8         | 11.087      | 1515          | 1520        | 1526         | rVB3     | 5708           | 10161         | 1.58%           | 0.169%        |
| 9         | 11.203      | 1533          | 1539        | 1544         | rBV6     | 3904           | 7452          | 1.16%           | 0.124%        |
| 10        | 11.282      | 1544          | 1552        | 1562         | rVB4     | 7651           | 20506         | 3.20%           | 0.341%        |
| 11        | 11.380      | 1562          | 1568        | 1574         | rBV2     | 6098           | 10418         | 1.62%           | 0.173%        |
| 12        | 11.489      | 1579          | 1586        | 1592         | rBV      | 74590          | 126566        | 19.72%          | 2.106%        |
| 13        | 11.593      | 1597          | 1603        | 1612         | rVV      | 56113          | 95360         | 14.86%          | 1.586%        |
| 14        | 11.697      | 1612          | 1620        | 1630         | rVV      | 234805         | 454776        | 70.87%          | 7.566%        |
| 15        | 11.776      | 1631          | 1633        | 1638         | rVB2     | 5952           | 8083          | 1.26%           | 0.134%        |
| 16        | 11.928      | 1654          | 1658        | 1662         | rVB4     | 5173           | 8496          | 1.32%           | 0.141%        |
| 17        | 12.026      | 1662          | 1674        | 1681         | rBV      | 135720         | 261055        | 40.68%          | 4.343%        |
| 18        | 12.117      | 1681          | 1689        | 1693         | rVV3     | 20330          | 34251         | 5.34%           | 0.570%        |
| 19        | 12.203      | 1693          | 1703        | 1705         | rVV5     | 19783          | 43705         | 6.81%           | 0.727%        |
| 20        | 12.233      | 1705          | 1708        | 1714         | rVV3     | 29449          | 61094         | 9.52%           | 1.016%        |
| 21        | 12.294      | 1714          | 1718        | 1719         | rVV4     | 8174           | 12573         | 1.96%           | 0.209%        |
| 22        | 12.324      | 1719          | 1723        | 1727         | rVV4     | 28279          | 53705         | 8.37%           | 0.893%        |
| 23        | 12.373      | 1727          | 1731        | 1734         | rVV4     | 15975          | 33025         | 5.15%           | 0.549%        |
| 24        | 12.410      | 1734          | 1737        | 1740         | rVV3     | 18799          | 33039         | 5.15%           | 0.550%        |
| 25        | 12.477      | 1744          | 1748        | 1753         | rVV      | 58160          | 91321         | 14.23%          | 1.519%        |
| 26        | 12.526      | 1753          | 1756        | 1758         | rVV3     | 10445          | 13484         | 2.10%           | 0.224%        |
| 27        | 12.574      | 1758          | 1764        | 1766         | rVV5     | 8290           | 17315         | 2.70%           | 0.288%        |
| 28        | 12.642      | 1770          | 1775        | 1776         | rVV      | 35802          | 48724         | 7.59%           | 0.811%        |
| 29        | 12.666      | 1777          | 1779        | 1783         | rVB      | 44010          | 55249         | 8.61%           | 0.919%        |
| 30        | 12.733      | 1783          | 1790        | 1793         | rBV      | 235273         | 369966        | 57.65%          | 6.155%        |
| 31        | 12.763      | 1793          | 1795        | 1798         | rVV      | 106895         | 147031        | 22.91%          | 2.446%        |
| 32        | 12.806      | 1798          | 1802        | 1808         | rVV2     | 258135         | 425983        | 66.38%          | 7.087%        |
| 33        | 12.855      | 1808          | 1810        | 1816         | rVB3     | 15845          | 24371         | 3.80%           | 0.405%        |
| 34        | 12.971      | 1821          | 1829        | 1836         | rVV      | 88740          | 206280        | 32.15%          | 3.432%        |
| 35        | 13.038      | 1836          | 1840        | 1847         | rVV2     | 54729          | 109197        | 17.02%          | 1.817%        |
| 36        | 13.117      | 1847          | 1853        | 1858         | rVV      | 419639         | 641712        | 100.00%         | 10.675%       |

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 Sample : N1556-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NE-SURFICIAL-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\82Y021422S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.166 | 1858 | 1861 | 1867 | rVV8 | 24909  | 59888  | 9.33%  | 0.996% |
| 38 | 13.245 | 1871 | 1874 | 1878 | rVV3 | 25636  | 50542  | 7.88%  | 0.841% |
| 39 | 13.312 | 1878 | 1885 | 1889 | rVV4 | 54141  | 134259 | 20.92% | 2.234% |
| 40 | 13.361 | 1889 | 1893 | 1896 | rVV4 | 32983  | 65432  | 10.20% | 1.089% |
| 41 | 13.422 | 1897 | 1903 | 1905 | rVV  | 74276  | 138503 | 21.58% | 2.304% |
| 42 | 13.452 | 1905 | 1908 | 1913 | rVV  | 132181 | 205112 | 31.96% | 3.412% |
| 43 | 13.495 | 1913 | 1915 | 1919 | rVV3 | 21332  | 32450  | 5.06%  | 0.540% |
| 44 | 13.593 | 1921 | 1931 | 1932 | rVV3 | 43685  | 97578  | 15.21% | 1.623% |
| 45 | 13.623 | 1932 | 1936 | 1939 | rVV  | 109124 | 175599 | 27.36% | 2.921% |
| 46 | 13.660 | 1939 | 1942 | 1950 | rVV2 | 67432  | 134435 | 20.95% | 2.236% |
| 47 | 13.751 | 1951 | 1957 | 1961 | rVV3 | 88787  | 162453 | 25.32% | 2.703% |
| 48 | 13.800 | 1961 | 1965 | 1971 | rVV5 | 32288  | 85253  | 13.29% | 1.418% |
| 49 | 13.879 | 1975 | 1978 | 1981 | rVV2 | 35195  | 61713  | 9.62%  | 1.027% |
| 50 | 13.916 | 1981 | 1984 | 1988 | rVV3 | 34932  | 60897  | 9.49%  | 1.013% |
| 51 | 13.964 | 1988 | 1992 | 1998 | rVV  | 60101  | 103982 | 16.20% | 1.730% |
| 52 | 14.013 | 1998 | 2000 | 2005 | rVV5 | 8337   | 12949  | 2.02%  | 0.215% |
| 53 | 14.074 | 2005 | 2010 | 2015 | rVV3 | 27935  | 47852  | 7.46%  | 0.796% |
| 54 | 14.129 | 2015 | 2019 | 2023 | rVV5 | 12874  | 27877  | 4.34%  | 0.464% |
| 55 | 14.208 | 2027 | 2032 | 2035 | rVV4 | 11210  | 21263  | 3.31%  | 0.354% |
| 56 | 14.257 | 2035 | 2040 | 2043 | rVV6 | 23378  | 51400  | 8.01%  | 0.855% |
| 57 | 14.288 | 2043 | 2045 | 2049 | rVV2 | 26568  | 40268  | 6.28%  | 0.670% |
| 58 | 14.330 | 2049 | 2052 | 2056 | rVV  | 27121  | 37526  | 5.85%  | 0.624% |
| 59 | 14.373 | 2056 | 2059 | 2063 | rVV4 | 9246   | 14964  | 2.33%  | 0.249% |
| 60 | 14.422 | 2063 | 2067 | 2072 | rVB5 | 15357  | 21311  | 3.32%  | 0.355% |
| 61 | 14.562 | 2087 | 2090 | 2094 | rVV5 | 5829   | 9597   | 1.50%  | 0.160% |
| 62 | 14.611 | 2094 | 2098 | 2102 | rVB3 | 14176  | 19483  | 3.04%  | 0.324% |
| 63 | 14.672 | 2102 | 2108 | 2115 | rBV3 | 28355  | 61699  | 9.61%  | 1.026% |
| 64 | 14.733 | 2115 | 2118 | 2125 | rVB6 | 8474   | 15048  | 2.34%  | 0.250% |
| 65 | 14.830 | 2130 | 2134 | 2138 | rBV5 | 5995   | 9752   | 1.52%  | 0.162% |
| 66 | 14.940 | 2148 | 2152 | 2156 | rVB4 | 5816   | 7252   | 1.13%  | 0.121% |
| 67 | 15.044 | 2165 | 2169 | 2175 | rVB7 | 4236   | 7602   | 1.18%  | 0.126% |
| 68 | 15.135 | 2179 | 2184 | 2190 | rVB6 | 3028   | 7309   | 1.14%  | 0.122% |
| 69 | 15.233 | 2194 | 2200 | 2206 | rBV  | 60753  | 99905  | 15.57% | 1.662% |
| 70 | 16.281 | 2367 | 2372 | 2381 | rVB  | 4577   | 8912   | 1.39%  | 0.148% |
| 71 | 16.482 | 2395 | 2405 | 2412 | rBV2 | 3841   | 7048   | 1.10%  | 0.117% |

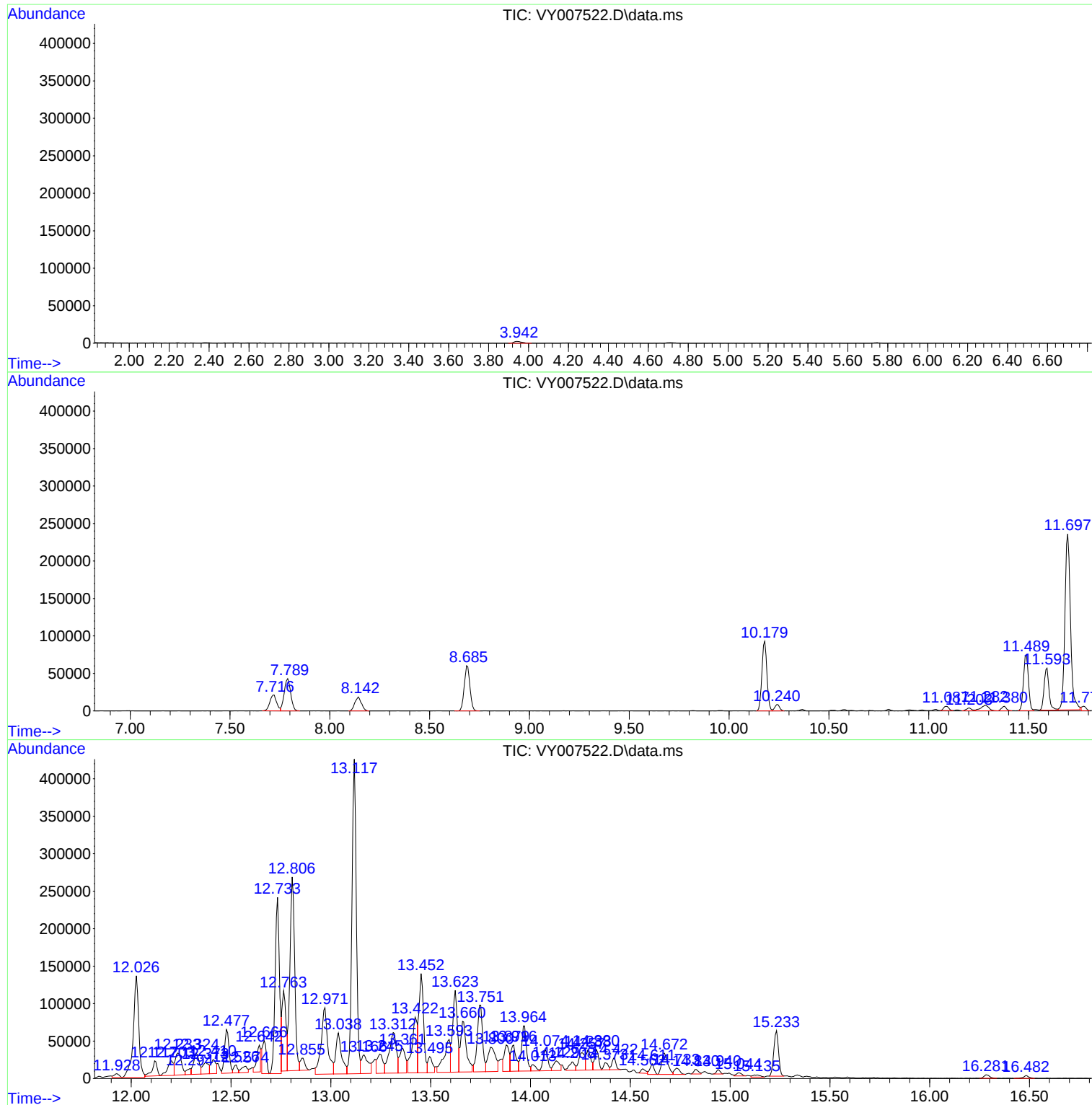
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Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
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Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

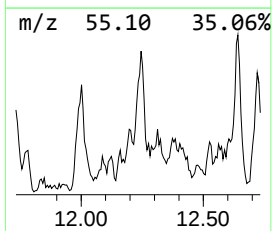
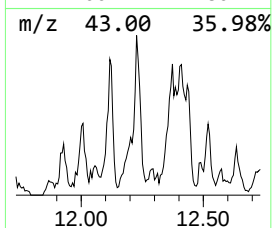
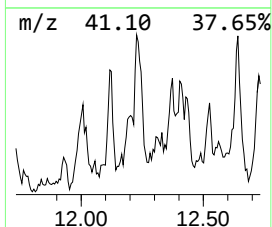
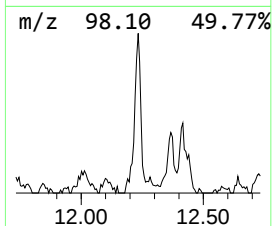
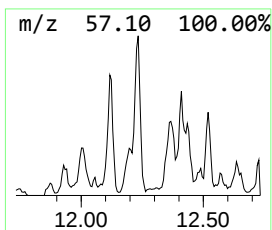
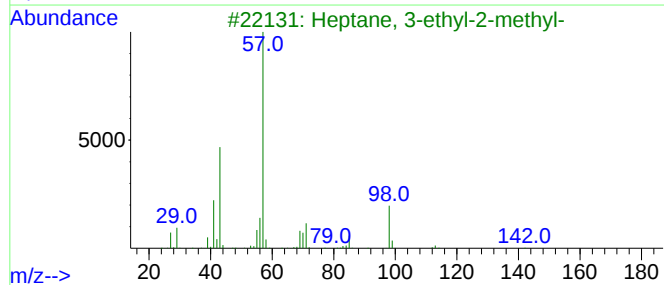
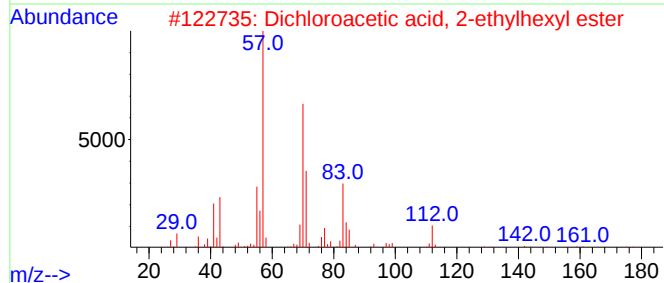
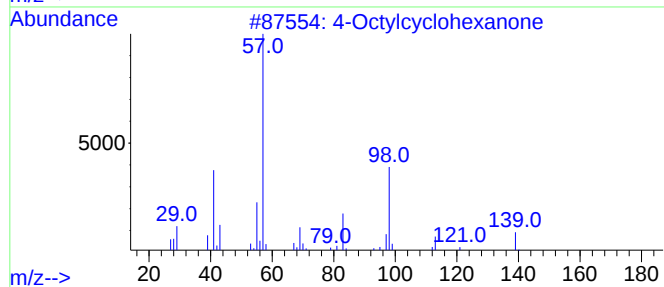
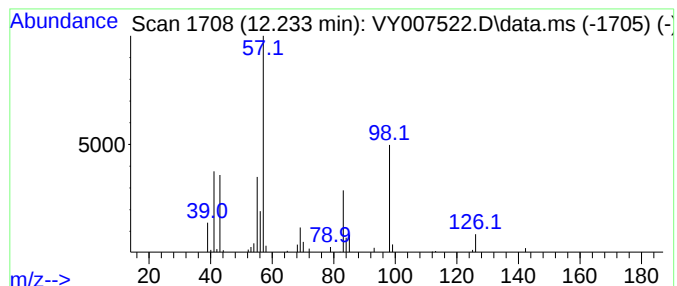
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

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

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Peak Number 1 4-Octylcyclohexanone Concentration Rank 10

| R.T.   | EstConc    | Area  | Relative to ISTD | R.T.   |
|--------|------------|-------|------------------|--------|
| 12.233 | 24.14 ug/l | 61094 | Chlorobenzene-d5 | 11.489 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 4-Octylcyclohexanone                | 210 | C14H26O     | 1000428-94-1 | 53   |
| 2    |    |   | Dichloroacetic acid, 2-ethylhexy... | 240 | C10H18Cl2O2 | 068144-72-9  | 40   |
| 3    |    |   | Heptane, 3-ethyl-2-methyl-          | 142 | C10H22      | 014676-29-0  | 35   |
| 4    |    |   | 1-Hexanol, 2-ethyl-                 | 130 | C8H18O      | 000104-76-7  | 33   |
| 5    |    |   | Tridecane, 6-methyl-                | 198 | C14H30      | 013287-21-3  | 25   |



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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

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

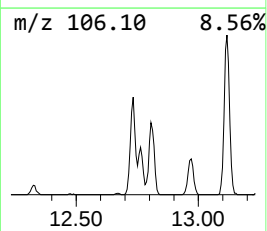
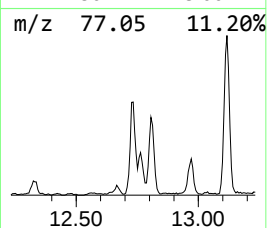
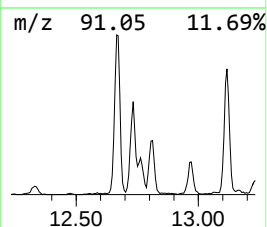
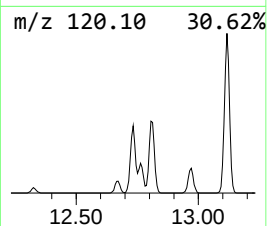
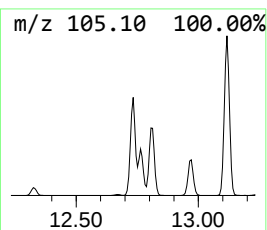
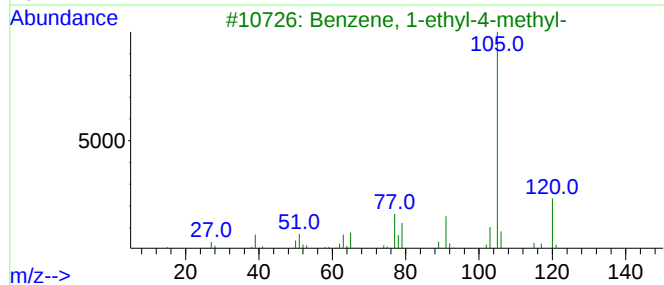
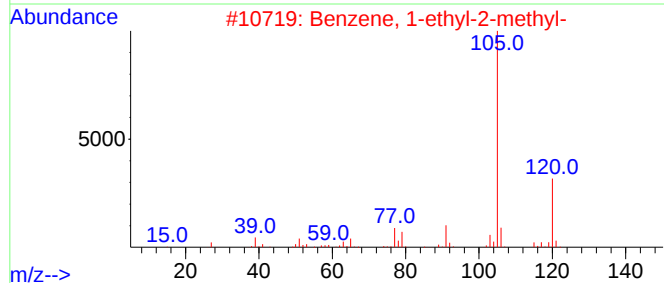
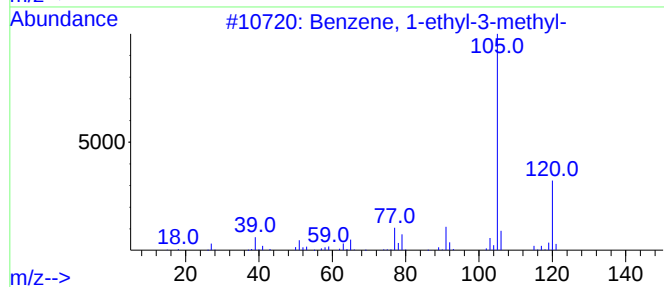
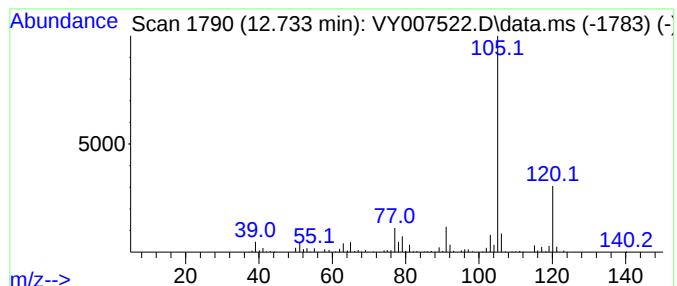
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 12.733 | 133.56 ug/l | 369966 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |



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MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

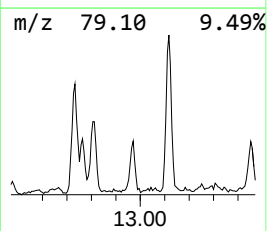
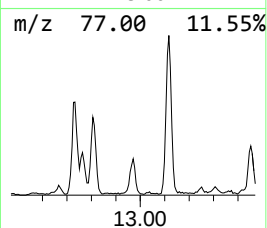
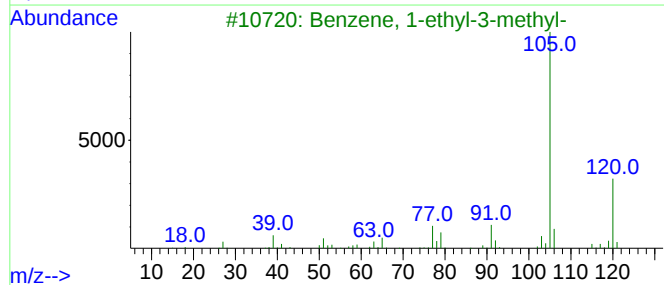
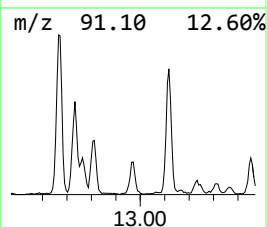
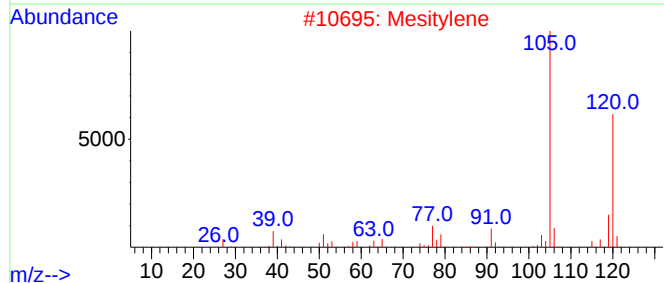
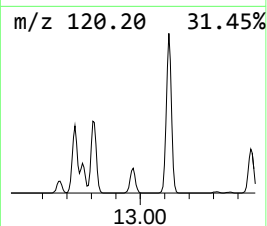
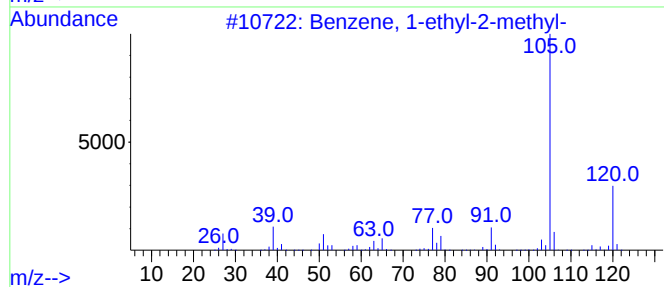
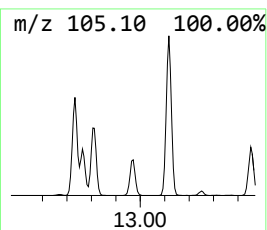
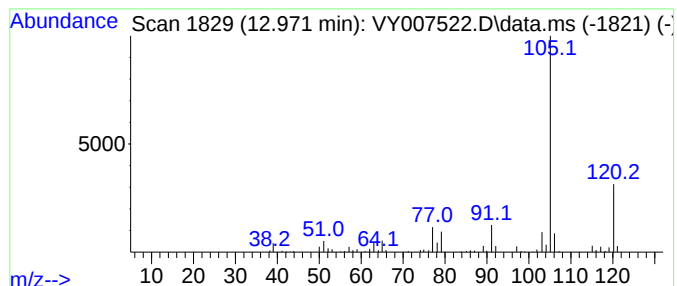
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.971 | 74.47 ug/l | 206280 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 4    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
Data File : VY007522.D  
Acq On : 17 Feb 2022 15:04  
Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

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

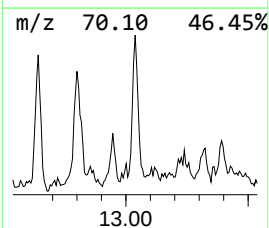
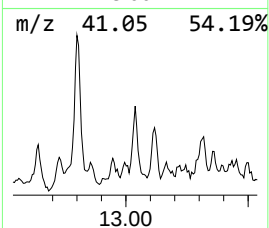
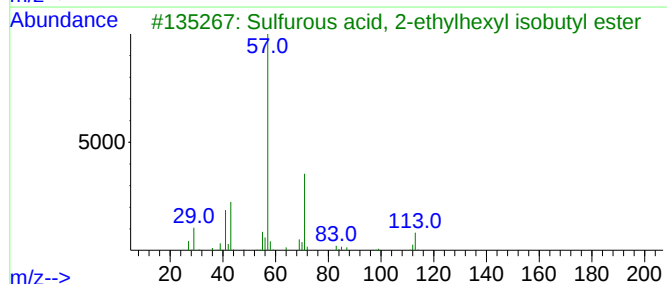
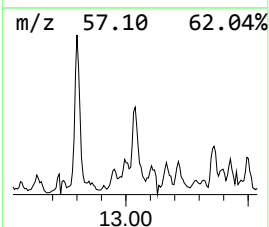
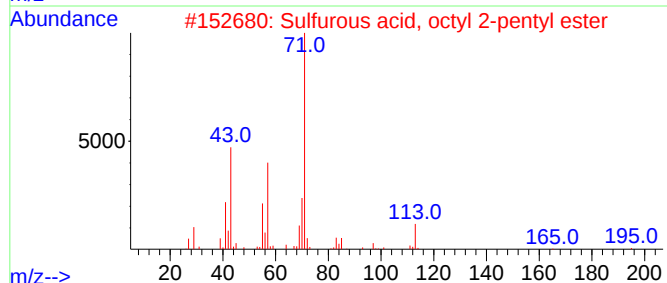
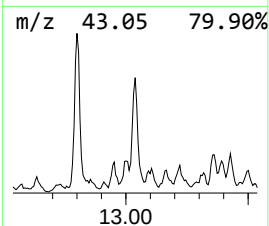
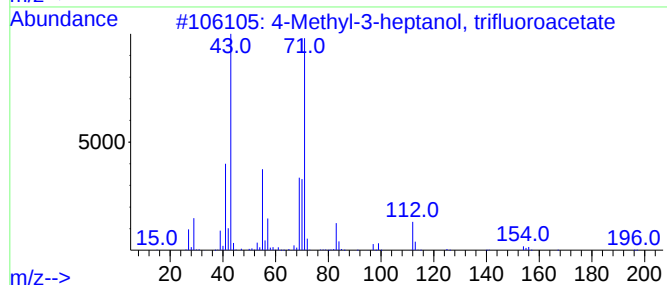
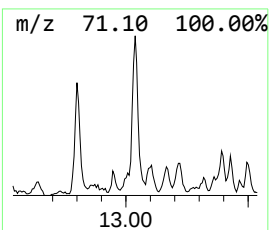
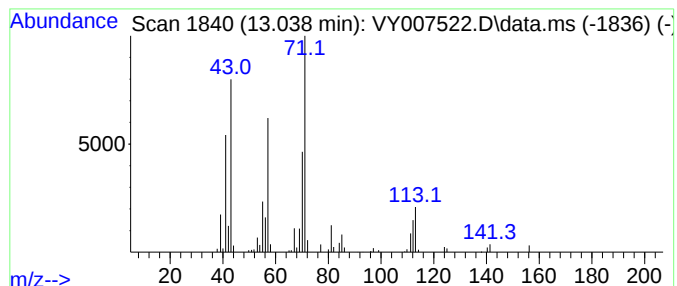
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 4-Methyl-3-heptanol, triflu... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.038 | 39.42 ug/l | 109197 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 4-Methyl-3-heptanol, trifluoroac... | 226 | C10H17F3O2 | 1000365-51-8 | 64   |
| 2    |    |   | Sulfurous acid, octyl 2-pentyl e... | 264 | C13H28O3S  | 1000309-15-7 | 53   |
| 3    |    |   | Sulfurous acid, 2-ethylhexyl iso... | 250 | C12H26O3S  | 1000309-18-7 | 53   |
| 4    |    |   | Decane, 4-methyl-                   | 156 | C11H24     | 002847-72-5  | 53   |
| 5    |    |   | Pentane, 2,3,4-trimethyl-           | 114 | C8H18      | 000565-75-3  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
Data File : VY007522.D  
Acq On : 17 Feb 2022 15:04  
Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

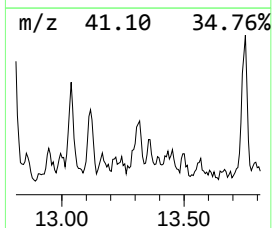
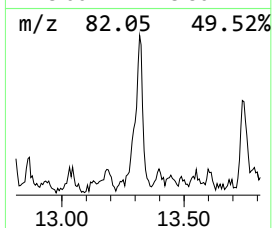
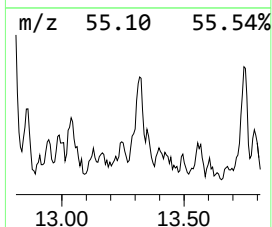
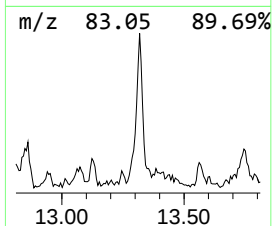
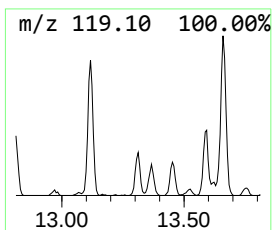
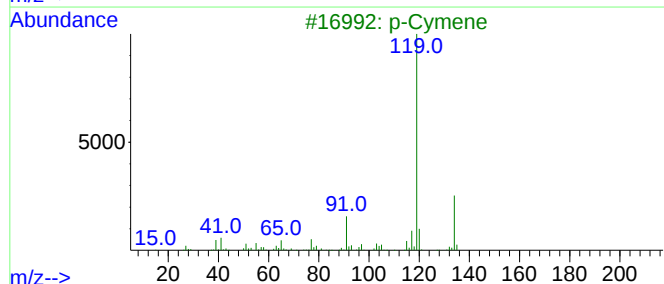
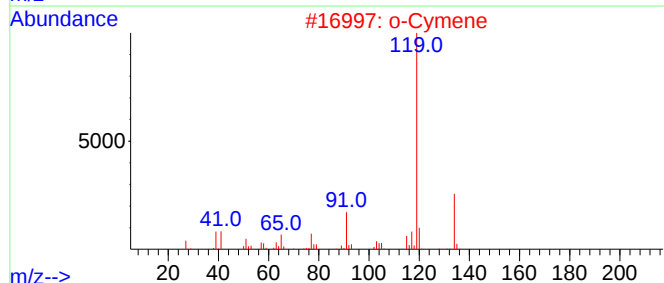
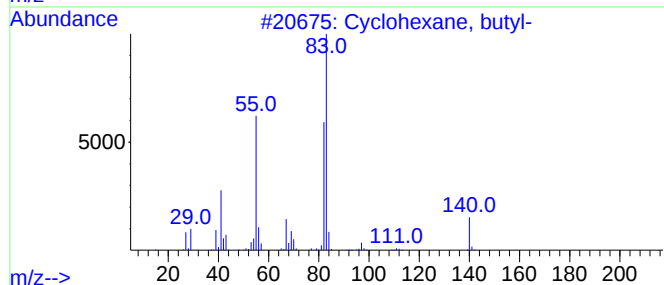
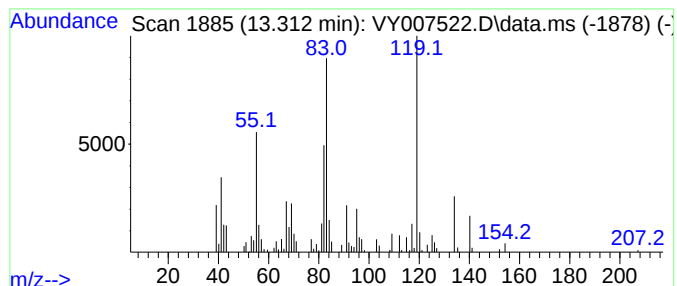
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Quant Title : SW846 8260

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

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Peak Number 5 Cyclohexane, butyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.312 | 48.47 ug/l | 134259 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9 | 50   |
| 2    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 42   |
| 3    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 42   |
| 4    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 42   |
| 5    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
Data File : VY007522.D  
Acq On : 17 Feb 2022 15:04  
Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

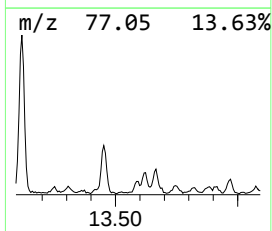
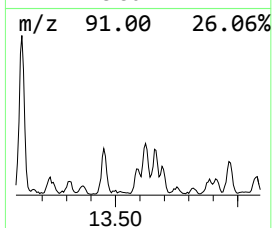
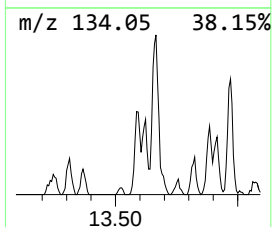
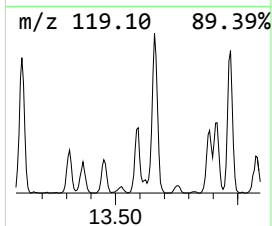
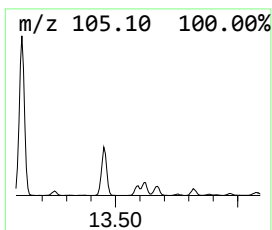
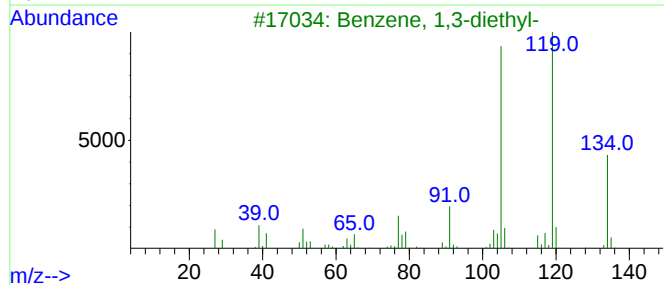
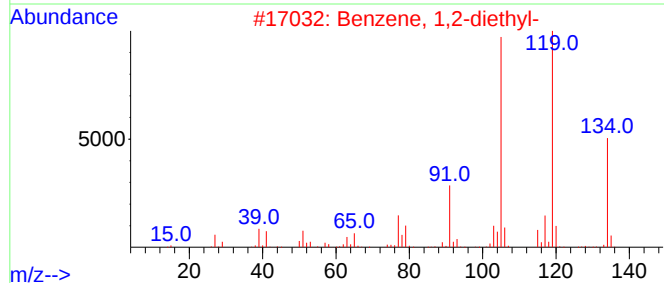
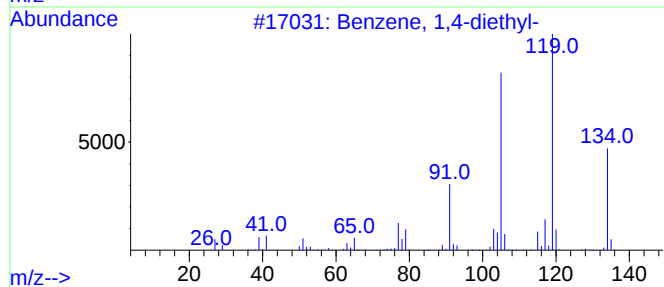
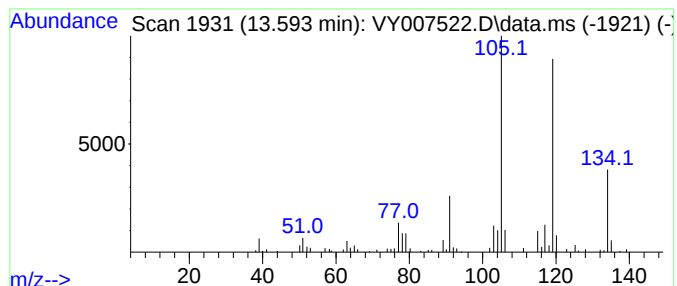
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Benzene, 1,4-diethyl- Concentration Rank 8

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.593 | 35.23 ug/l | 97578 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,4-diethyl-          | 134 | C10H14  | 000105-05-5 | 97   |
| 2    |    |   | Benzene, 1,2-diethyl-          | 134 | C10H14  | 000135-01-3 | 96   |
| 3    |    |   | Benzene, 1,3-diethyl-          | 134 | C10H14  | 000141-93-5 | 94   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 90   |
| 5    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
Data File : VY007522.D  
Acq On : 17 Feb 2022 15:04  
Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

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

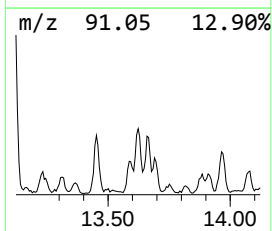
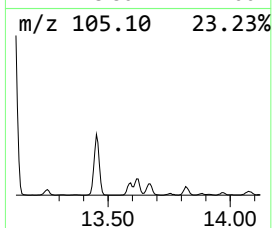
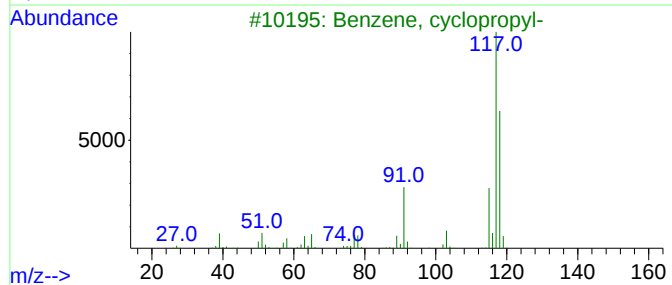
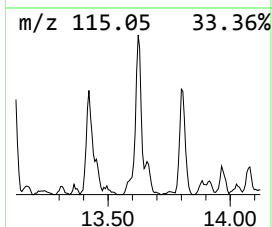
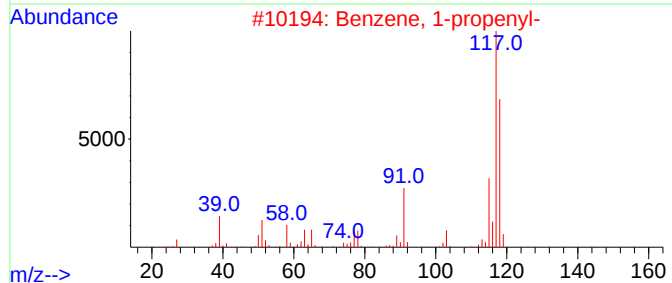
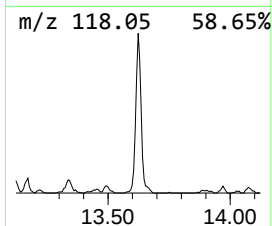
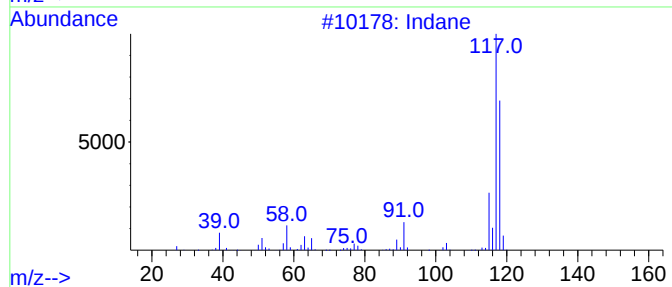
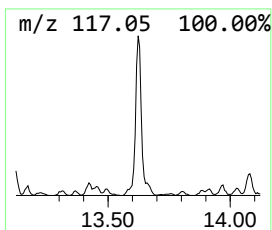
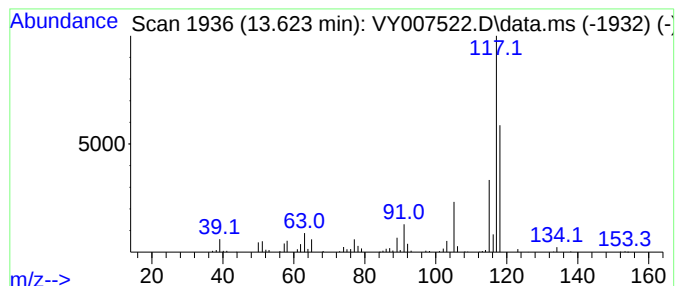
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Indane Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.623 | 63.39 ug/l | 175599 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indane                          | 118 | C9H10   | 000496-11-7 | 70   |
| 2    |    |   | Benzene, 1-propenyl-            | 118 | C9H10   | 000637-50-3 | 64   |
| 3    |    |   | Benzene, cyclopropyl-           | 118 | C9H10   | 000873-49-4 | 64   |
| 4    |    |   | Benzeneethanol, .beta.-ethenyl- | 148 | C10H12O | 006052-63-7 | 64   |
| 5    |    |   | Benzene, 2-propenyl-            | 118 | C9H10   | 000300-57-2 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
Data File : VY007522.D  
Acq On : 17 Feb 2022 15:04  
Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

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

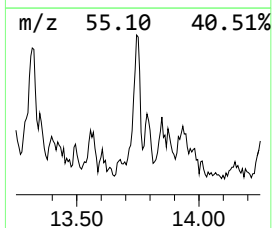
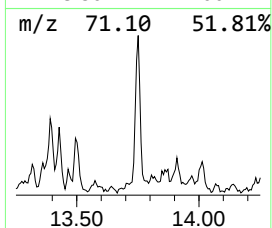
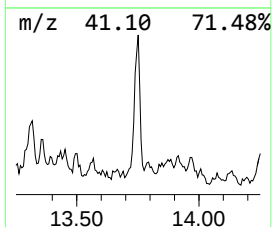
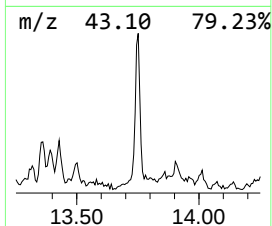
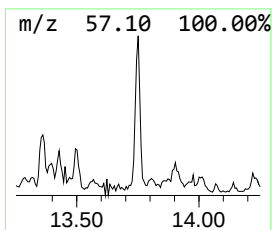
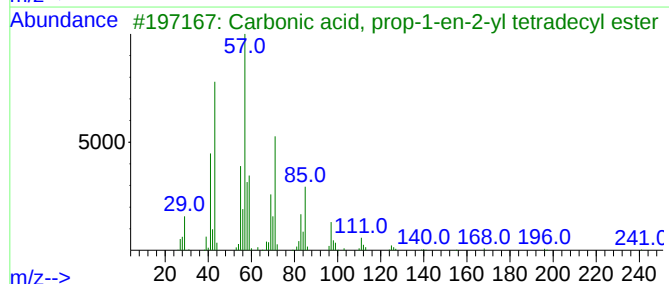
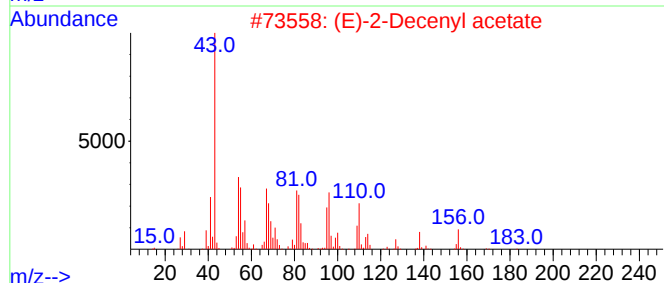
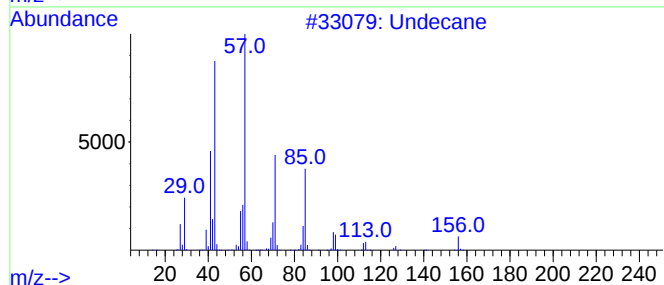
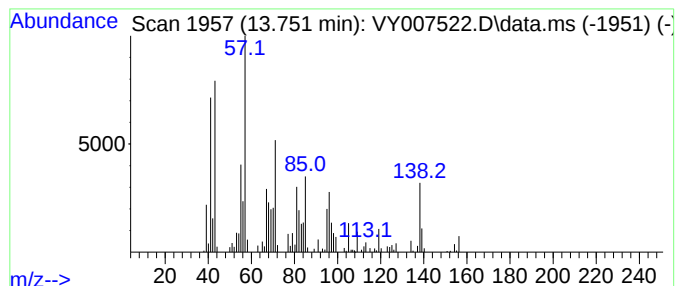
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Undecane Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.751 | 58.65 ug/l | 162453 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Undecane                            | 156 | C11H24   | 001120-21-4  | 83   |
| 2    |    |   | (E)-2-Decenyl acetate               | 198 | C12H22O2 | 002497-23-6  | 30   |
| 3    |    |   | Carbonic acid, prop-1-en-2-yl te... | 298 | C18H34O3 | 1000382-90-9 | 30   |
| 4    |    |   | Carbonic acid, prop-1-en-2-yl tr... | 284 | C17H32O3 | 1000382-90-8 | 30   |
| 5    |    |   | Carbonic acid, nonyl prop-1-en-2... | 228 | C13H24O3 | 1000382-53-9 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
Data File : VY007522.D  
Acq On : 17 Feb 2022 15:04  
Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

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

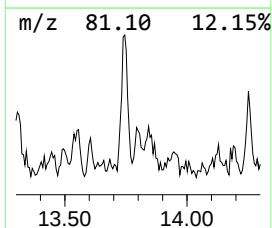
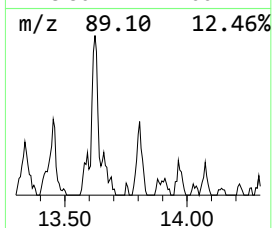
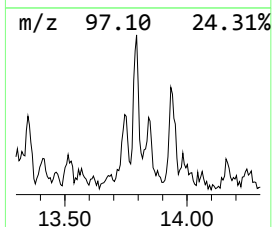
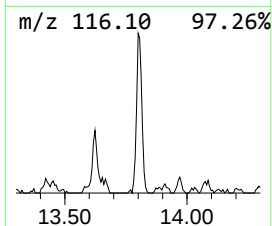
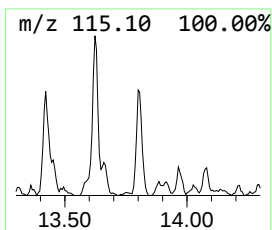
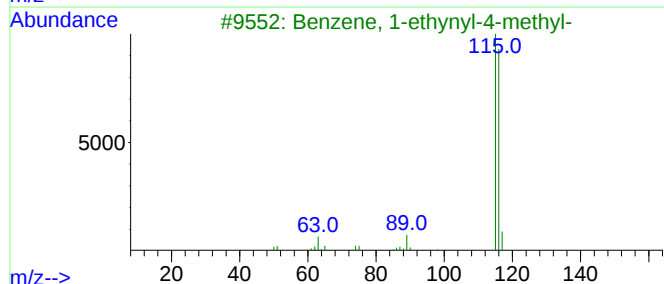
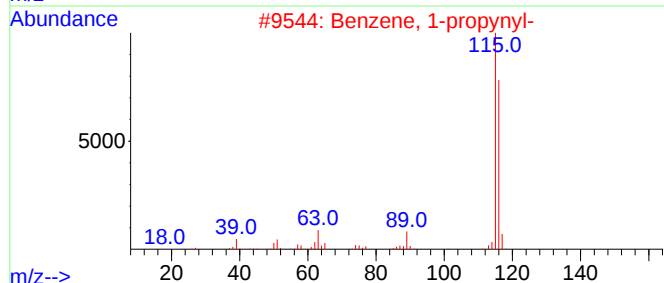
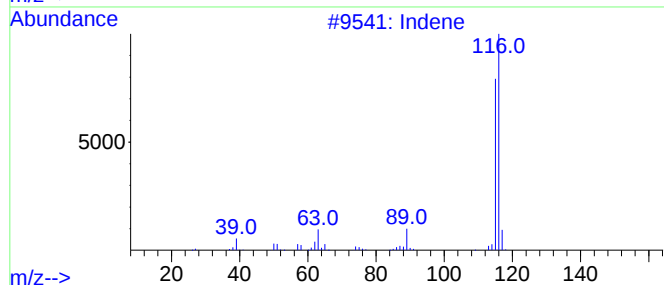
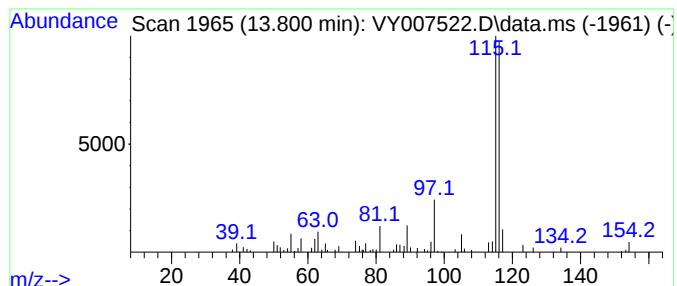
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Indene Concentration Rank 9

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.800 | 30.78 ug/l | 85253 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indene                       | 116 | C9H8    | 000095-13-6 | 93   |
| 2    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 81   |
| 3    |    |   | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 81   |
| 4    |    |   | Benzene, 1,2-propadienyl-    | 116 | C9H8    | 002327-99-3 | 81   |
| 5    |    |   | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
Data File : VY007522.D  
Acq On : 17 Feb 2022 15:04  
Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

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

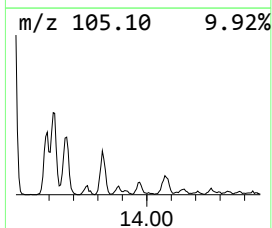
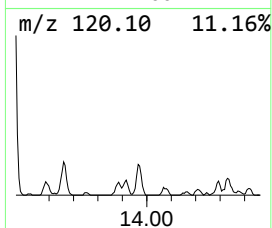
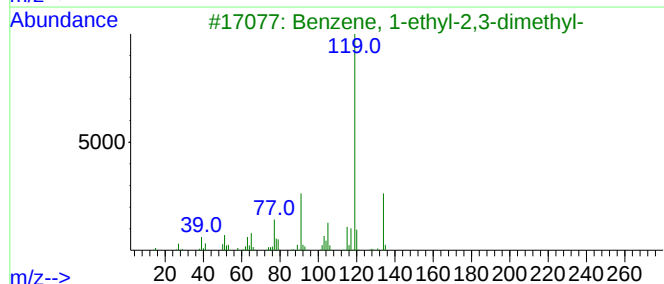
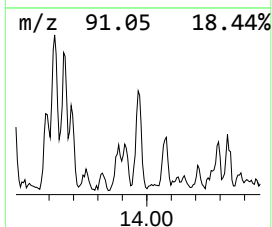
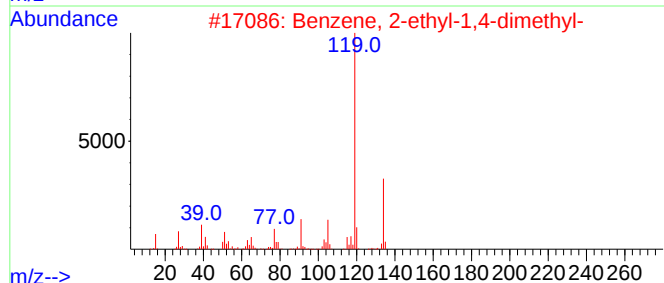
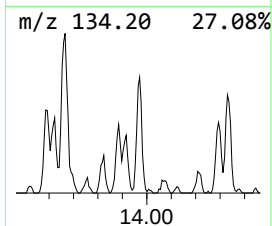
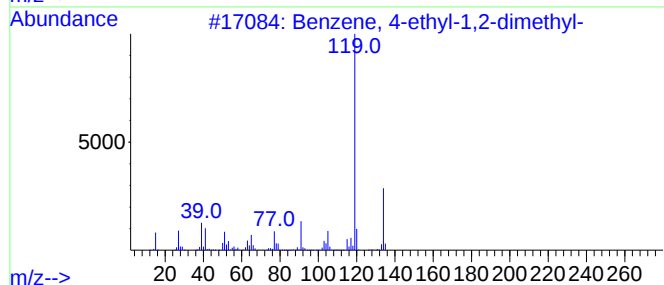
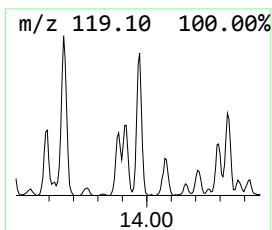
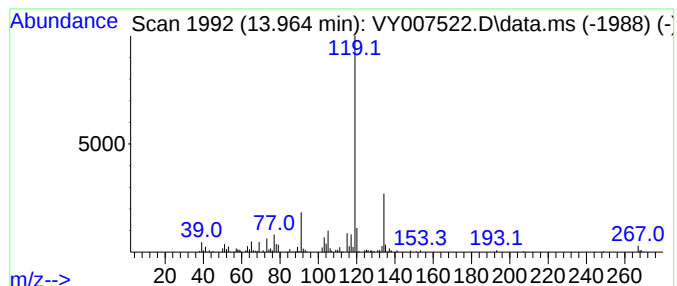
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.964 | 37.54 ug/l | 103982 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 95   |
| 2    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 95   |
| 3    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 4    |    |   | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 94   |
| 5    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
Data File : VY007522.D  
Acq On : 17 Feb 2022 15:04  
Operator : SY/MD  
Sample : N1556-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NE-SURFICIAL-SOIL

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 |
| 4-Octylcyclohex... | 12.233 | 24.1    | ug/l  | 61094    | 3                     | 11.489 | 126566 | 50.0 |
| Benzene, 1-ethy... | 12.733 | 133.6   | ug/l  | 369966   | 4                     | 13.422 | 138503 | 50.0 |
| Benzene, 1-ethy... | 12.971 | 74.5    | ug/l  | 206280   | 4                     | 13.422 | 138503 | 50.0 |
| 4-Methyl-3-hept... | 13.038 | 39.4    | ug/l  | 109197   | 4                     | 13.422 | 138503 | 50.0 |
| Cyclohexane, bu... | 13.312 | 48.5    | ug/l  | 134259   | 4                     | 13.422 | 138503 | 50.0 |
| Benzene, 1,4-di... | 13.593 | 35.2    | ug/l  | 97578    | 4                     | 13.422 | 138503 | 50.0 |
| Indane             | 13.623 | 63.4    | ug/l  | 175599   | 4                     | 13.422 | 138503 | 50.0 |
| Undecane           | 13.751 | 58.6    | ug/l  | 162453   | 4                     | 13.422 | 138503 | 50.0 |
| Indene             | 13.800 | 30.8    | ug/l  | 85253    | 4                     | 13.422 | 138503 | 50.0 |
| Benzene, 4-ethy... | 13.964 | 37.5    | ug/l  | 103982   | 4                     | 13.422 | 138503 | 50.0 |