

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
 Data File : VY011358.D  
 Acq On : 08 Nov 2022 13:44  
 Operator : KP/MD  
 Sample : N5479-02  
 Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TUL-ROS-1104

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\82Y110122S.M  
 Title : SW846 8260

Signal : TIC: VY011358.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         | 7.710       | 957           | 966         | 972          | rBV2     | 4872           | 11447         | 1.56%           | 0.143%        |
| 2         | 7.789       | 972           | 979         | 987          | rVB2     | 8287           | 18834         | 2.56%           | 0.235%        |
| 3         | 8.137       | 1027          | 1036        | 1044         | rBV2     | 8113           | 17659         | 2.40%           | 0.221%        |
| 4         | 8.685       | 1118          | 1126        | 1135         | rVB      | 15820          | 31212         | 4.25%           | 0.390%        |
| 5         | 10.179      | 1364          | 1371        | 1382         | rBV2     | 25868          | 47446         | 6.46%           | 0.593%        |
| 6         | 10.795      | 1467          | 1472        | 1479         | rBV3     | 4995           | 8882          | 1.21%           | 0.111%        |
| 7         | 10.904      | 1484          | 1490        | 1497         | rVV2     | 4922           | 11131         | 1.51%           | 0.139%        |
| 8         | 11.087      | 1515          | 1520        | 1526         | rBV2     | 9208           | 15981         | 2.18%           | 0.200%        |
| 9         | 11.197      | 1533          | 1538        | 1542         | rBV4     | 4605           | 8423          | 1.15%           | 0.105%        |
| 10        | 11.295      | 1549          | 1554        | 1563         | rVB4     | 10619          | 24245         | 3.30%           | 0.303%        |
| 11        | 11.380      | 1563          | 1568        | 1571         | rBV      | 7338           | 12100         | 1.65%           | 0.151%        |
| 12        | 11.490      | 1579          | 1586        | 1592         | rBV      | 27561          | 47177         | 6.42%           | 0.590%        |
| 13        | 11.624      | 1604          | 1608        | 1612         | rBV3     | 6844           | 10478         | 1.43%           | 0.131%        |
| 14        | 11.685      | 1612          | 1618        | 1621         | rBV5     | 8092           | 16194         | 2.20%           | 0.202%        |
| 15        | 11.733      | 1621          | 1626        | 1630         | rBV3     | 14999          | 29168         | 3.97%           | 0.365%        |
| 16        | 11.776      | 1631          | 1633        | 1638         | rVB2     | 13306          | 17482         | 2.38%           | 0.219%        |
| 17        | 11.837      | 1638          | 1643        | 1646         | rBV3     | 5994           | 10352         | 1.41%           | 0.129%        |
| 18        | 11.892      | 1646          | 1652        | 1655         | rBV6     | 4480           | 9276          | 1.26%           | 0.116%        |
| 19        | 11.929      | 1655          | 1658        | 1662         | rVB2     | 9500           | 13647         | 1.86%           | 0.171%        |
| 20        | 12.002      | 1662          | 1670        | 1676         | rBV3     | 47856          | 114519        | 15.59%          | 1.431%        |
| 21        | 12.057      | 1676          | 1679        | 1682         | rBV2     | 8444           | 8589          | 1.17%           | 0.107%        |
| 22        | 12.124      | 1685          | 1690        | 1694         | rVB      | 68529          | 100249        | 13.64%          | 1.253%        |
| 23        | 12.197      | 1694          | 1702        | 1705         | rBV2     | 55858          | 117408        | 15.98%          | 1.468%        |
| 24        | 12.233      | 1705          | 1708        | 1713         | rVB3     | 60359          | 101468        | 13.81%          | 1.268%        |
| 25        | 12.288      | 1713          | 1717        | 1718         | rBV3     | 9183           | 12420         | 1.69%           | 0.155%        |
| 26        | 12.374      | 1725          | 1731        | 1735         | rBV6     | 31409          | 68385         | 9.31%           | 0.855%        |
| 27        | 12.410      | 1735          | 1737        | 1743         | rVB3     | 43514          | 62212         | 8.47%           | 0.778%        |
| 28        | 12.483      | 1743          | 1749        | 1753         | rBV6     | 37234          | 64346         | 8.76%           | 0.804%        |
| 29        | 12.569      | 1753          | 1763        | 1768         | rBV8     | 41185          | 122768        | 16.71%          | 1.535%        |
| 30        | 12.642      | 1771          | 1775        | 1782         | rVB2     | 104298         | 194425        | 26.46%          | 2.430%        |
| 31        | 12.727      | 1782          | 1789        | 1793         | rBV7     | 53529          | 133513        | 18.17%          | 1.669%        |
| 32        | 12.806      | 1795          | 1802        | 1807         | rBV7     | 100154         | 260574        | 35.46%          | 3.257%        |
| 33        | 12.861      | 1808          | 1811        | 1815         | rVB2     | 60332          | 88252         | 12.01%          | 1.103%        |
| 34        | 12.910      | 1815          | 1819        | 1821         | rBV2     | 34906          | 47828         | 6.51%           | 0.598%        |
| 35        | 12.947      | 1821          | 1825        | 1829         | rBV4     | 65977          | 86215         | 11.73%          | 1.078%        |
| 36        | 13.002      | 1829          | 1834        | 1836         | rBV4     | 55021          | 98616         | 13.42%          | 1.233%        |

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 Sample : N5479-02  
 Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TUL-ROS-1104

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\82Y110122S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 37 | 13.038 | 1836 | 1840 | 1847 | rVB  | 227594 | 342283 | 46.59%  | 4.278% |
| 38 | 13.166 | 1857 | 1861 | 1865 | rBV2 | 93551  | 141112 | 19.21%  | 1.764% |
| 39 | 13.221 | 1866 | 1870 | 1872 | rBV  | 58999  | 82562  | 11.24%  | 1.032% |
| 40 | 13.319 | 1883 | 1886 | 1889 | rVB2 | 94311  | 113227 | 15.41%  | 1.415% |
| 41 | 13.361 | 1889 | 1893 | 1896 | rVV3 | 95424  | 132706 | 18.06%  | 1.659% |
| 42 | 13.398 | 1896 | 1899 | 1903 | rVB3 | 37362  | 43298  | 5.89%   | 0.541% |
| 43 | 13.562 | 1922 | 1926 | 1929 | rBV3 | 52912  | 87550  | 11.92%  | 1.094% |
| 44 | 13.697 | 1941 | 1948 | 1949 | rBV7 | 24168  | 53217  | 7.24%   | 0.665% |
| 45 | 13.745 | 1950 | 1956 | 1961 | rVV2 | 313422 | 600226 | 81.69%  | 7.503% |
| 46 | 13.794 | 1961 | 1964 | 1968 | rVV3 | 103658 | 200428 | 27.28%  | 2.505% |
| 47 | 13.855 | 1970 | 1974 | 1979 | rVV7 | 111961 | 282035 | 38.39%  | 3.525% |
| 48 | 13.916 | 1979 | 1984 | 1989 | rVV4 | 140253 | 395301 | 53.80%  | 4.941% |
| 49 | 13.965 | 1989 | 1992 | 1997 | rVV  | 200971 | 349704 | 47.60%  | 4.371% |
| 50 | 14.014 | 1997 | 2000 | 2005 | rVB2 | 96971  | 138442 | 18.84%  | 1.730% |
| 51 | 14.074 | 2005 | 2010 | 2015 | rBV3 | 146865 | 232457 | 31.64%  | 2.906% |
| 52 | 14.142 | 2015 | 2021 | 2026 | rBV5 | 101149 | 199240 | 27.12%  | 2.490% |
| 53 | 14.196 | 2026 | 2030 | 2032 | rBV3 | 62967  | 96063  | 13.07%  | 1.201% |
| 54 | 14.257 | 2035 | 2040 | 2055 | rVB7 | 250232 | 734744 | 100.00% | 9.184% |
| 55 | 14.379 | 2056 | 2060 | 2063 | rBV4 | 53754  | 98273  | 13.38%  | 1.228% |
| 56 | 14.416 | 2063 | 2066 | 2070 | rVB3 | 149618 | 200298 | 27.26%  | 2.504% |
| 57 | 14.611 | 2095 | 2098 | 2102 | rBV5 | 54110  | 84553  | 11.51%  | 1.057% |
| 58 | 14.678 | 2104 | 2109 | 2113 | rVV5 | 144822 | 278359 | 37.89%  | 3.479% |
| 59 | 14.727 | 2113 | 2117 | 2124 | rVB2 | 243883 | 393651 | 53.58%  | 4.921% |
| 60 | 14.800 | 2124 | 2129 | 2133 | rBV6 | 47778  | 97187  | 13.23%  | 1.215% |
| 61 | 14.940 | 2148 | 2152 | 2156 | rVB3 | 86425  | 128777 | 17.53%  | 1.610% |
| 62 | 15.117 | 2178 | 2181 | 2182 | rBV2 | 21665  | 26157  | 3.56%   | 0.327% |
| 63 | 15.141 | 2183 | 2185 | 2190 | rVB2 | 73118  | 94688  | 12.89%  | 1.184% |
| 64 | 15.208 | 2192 | 2196 | 2201 | rVB2 | 98597  | 140415 | 19.11%  | 1.755% |
| 65 | 15.276 | 2203 | 2207 | 2212 | rVB7 | 27989  | 49097  | 6.68%   | 0.614% |
| 66 | 15.440 | 2230 | 2234 | 2241 | rBV9 | 13218  | 28990  | 3.95%   | 0.362% |
| 67 | 15.599 | 2257 | 2260 | 2266 | rVB4 | 37056  | 66677  | 9.07%   | 0.833% |
| 68 | 16.147 | 2347 | 2350 | 2357 | rVB4 | 10430  | 19973  | 2.72%   | 0.250% |
| 69 | 16.470 | 2399 | 2403 | 2417 | rVB4 | 8616   | 25550  | 3.48%   | 0.319% |

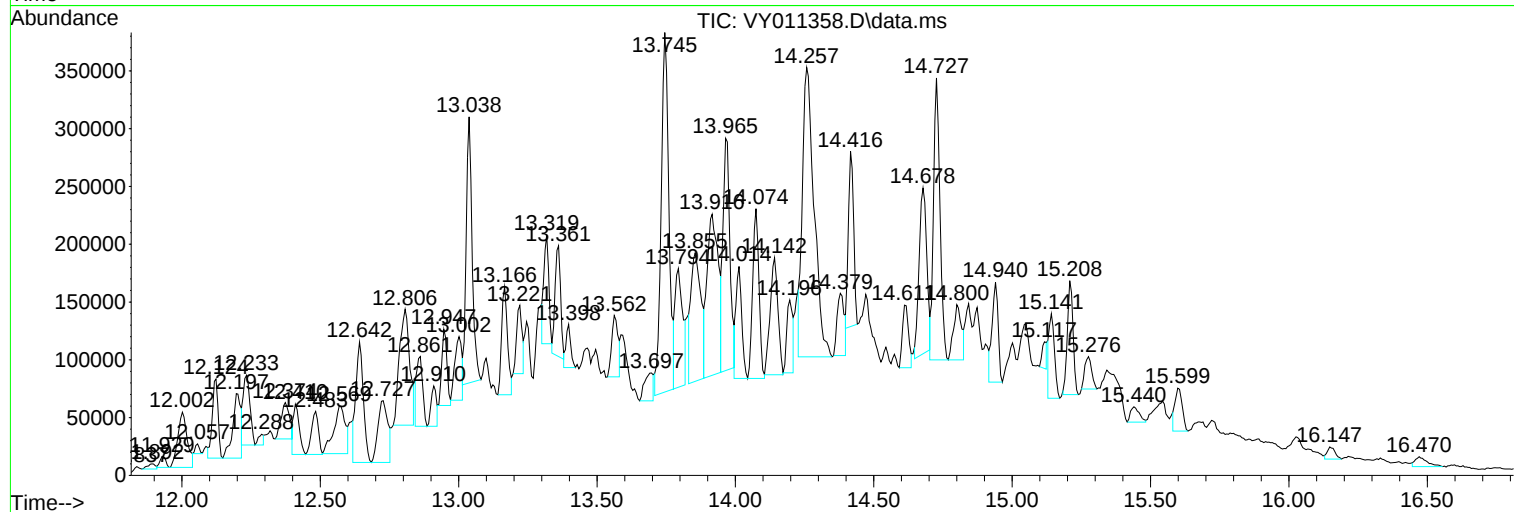
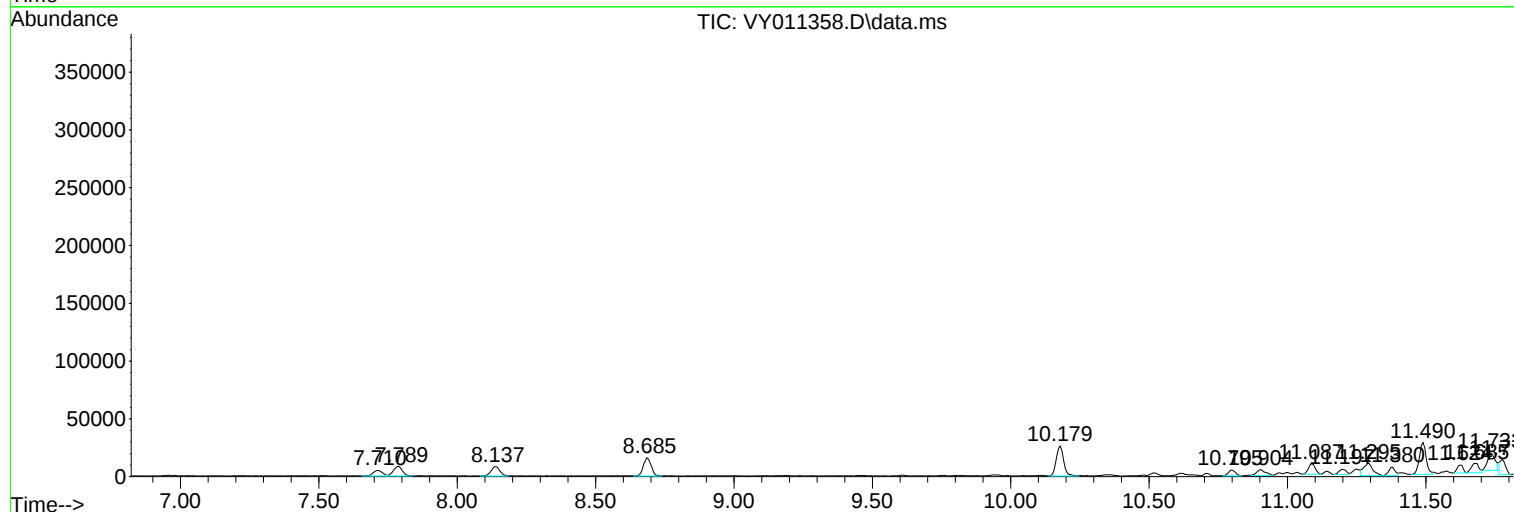
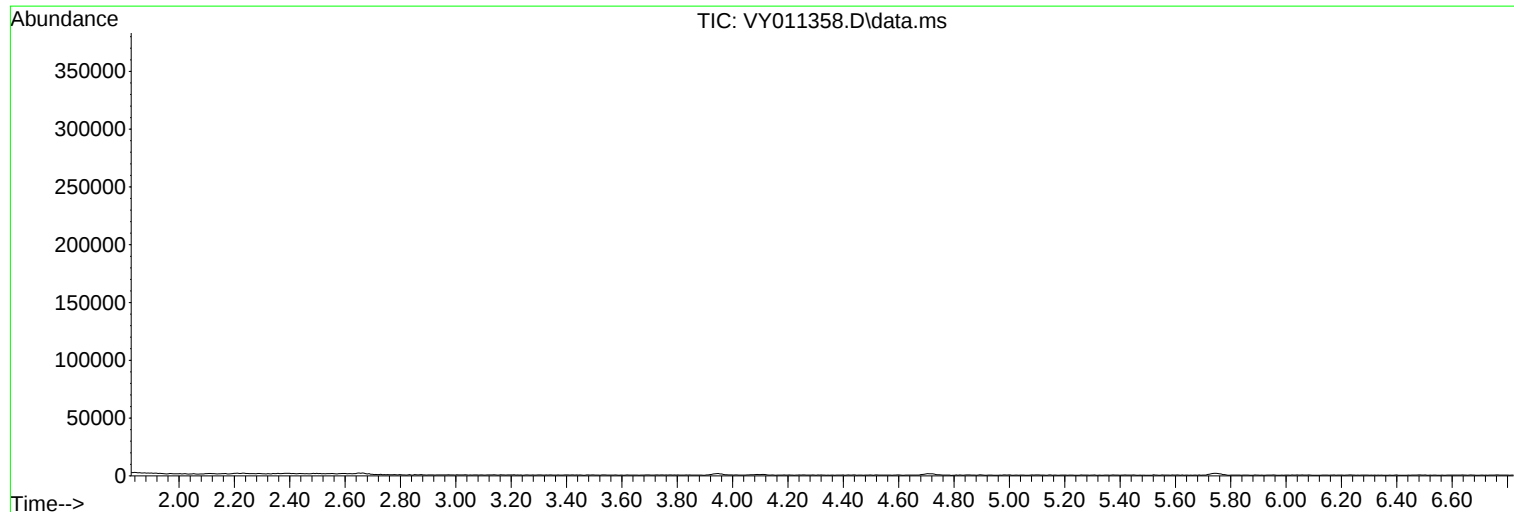
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Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
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Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

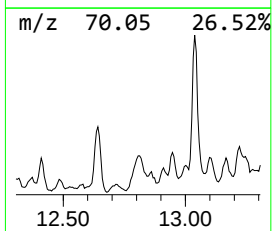
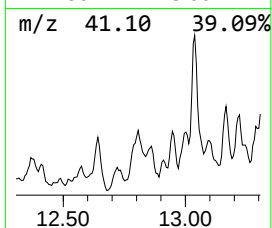
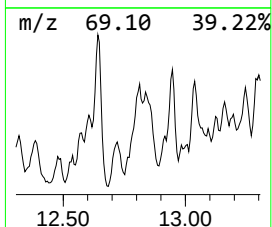
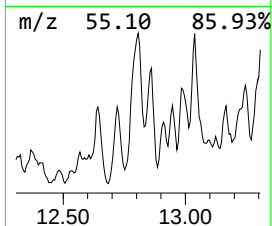
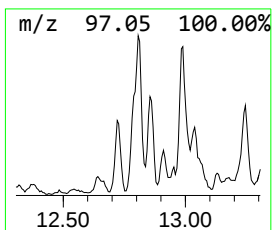
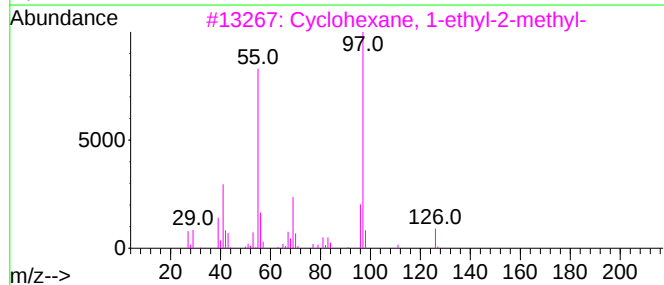
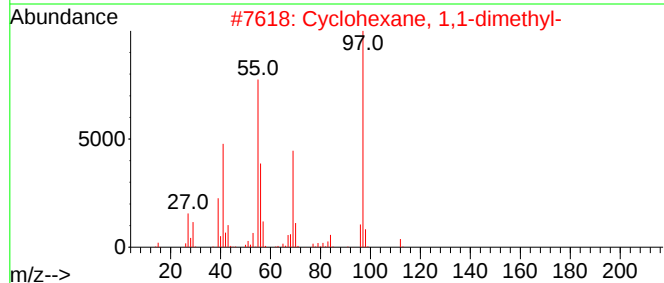
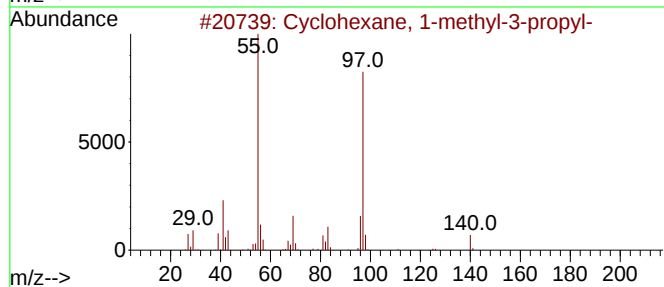
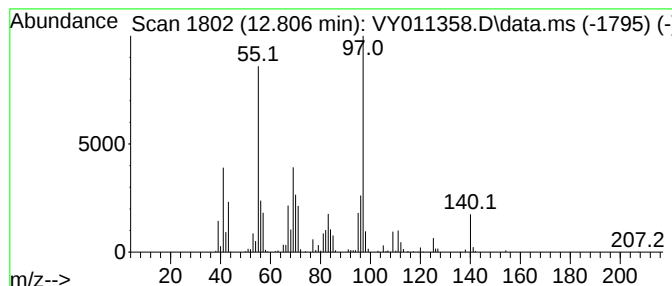
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

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

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Peak Number 1 unknown12.806 Concentration Rank 9

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 12.806 | 300.91 ug/l | 260574 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclohexane, 1-methyl-3-propyl-     | 140 | C10H20    | 004291-80-9  | 49   |
| 2    |    |   | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16     | 000590-66-9  | 49   |
| 3    |    |   | Cyclohexane, 1-ethyl-2-methyl-      | 126 | C9H18     | 003728-54-9  | 49   |
| 4    |    |   | Sulfurous acid, cyclohexylmethyl... | 360 | C20H40O3S | 1000309-22-1 | 47   |
| 5    |    |   | Sulfurous acid, cyclohexylmethyl... | 374 | C21H42O3S | 1000309-22-2 | 47   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

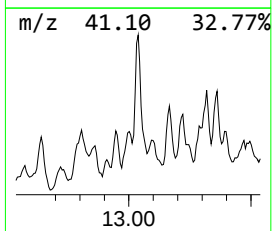
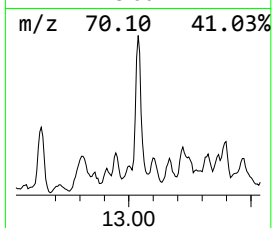
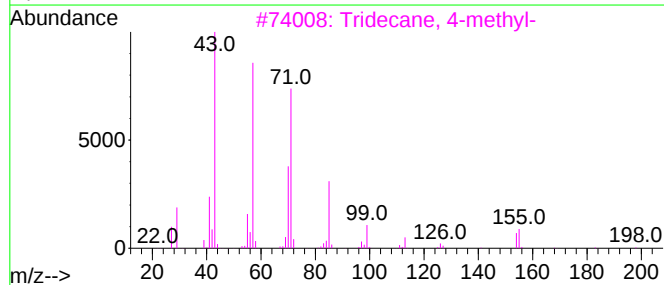
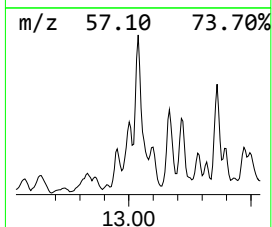
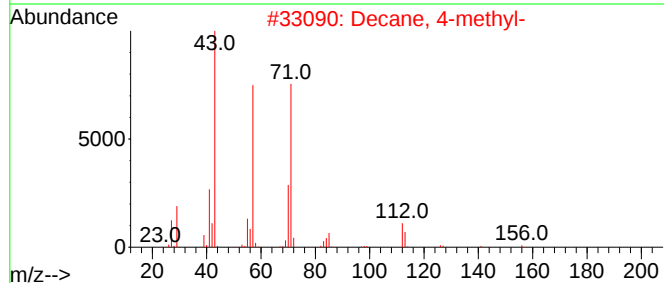
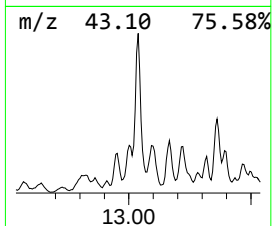
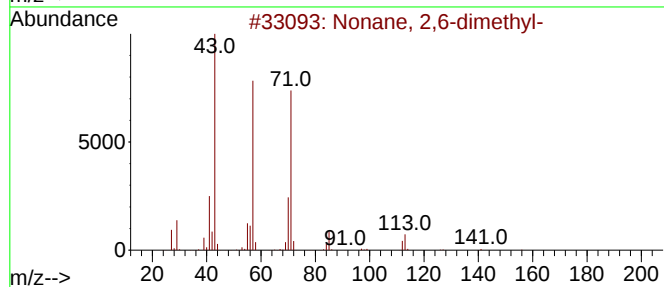
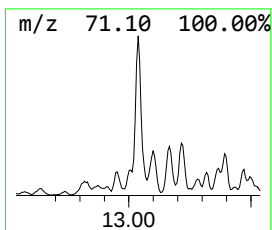
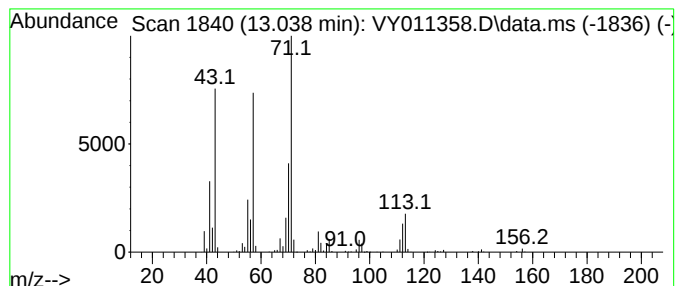
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Nonane, 2,6-dimethyl- Concentration Rank 6

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 13.038 | 395.26 ug/l | 342283 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonane, 2,6-dimethyl-     | 156 | C11H24  | 017302-28-2 | 87   |
| 2    |    |   | Decane, 4-methyl-         | 156 | C11H24  | 002847-72-5 | 83   |
| 3    |    |   | Tridecane, 4-methyl-      | 198 | C14H30  | 026730-12-1 | 72   |
| 4    |    |   | Heptane, 3,3,5-trimethyl- | 142 | C10H22  | 007154-80-5 | 72   |
| 5    |    |   | Octane, 3-ethyl-          | 142 | C10H22  | 005881-17-4 | 59   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

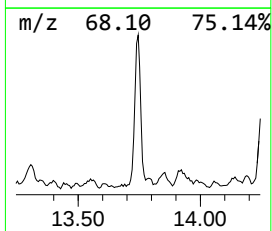
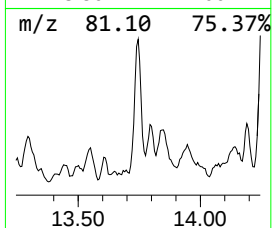
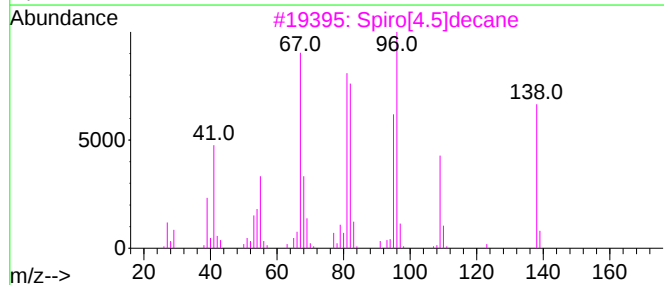
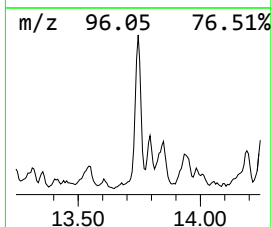
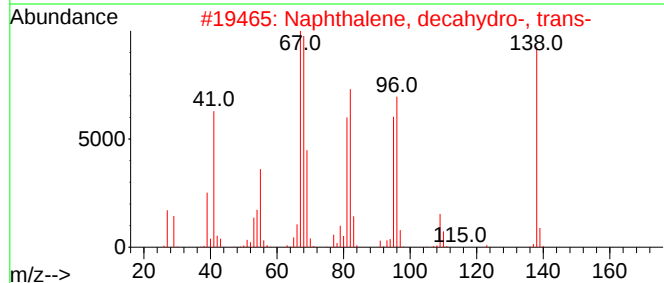
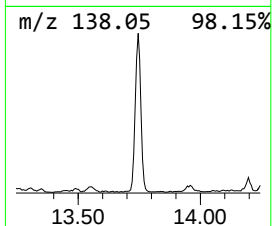
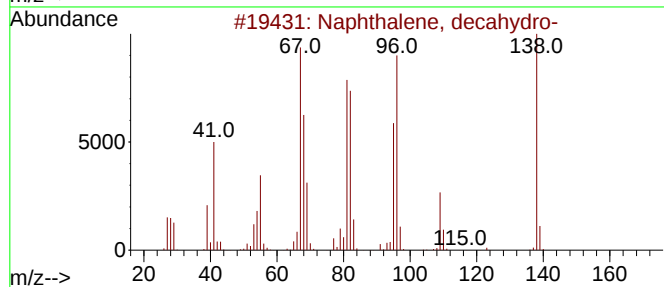
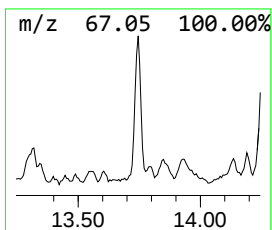
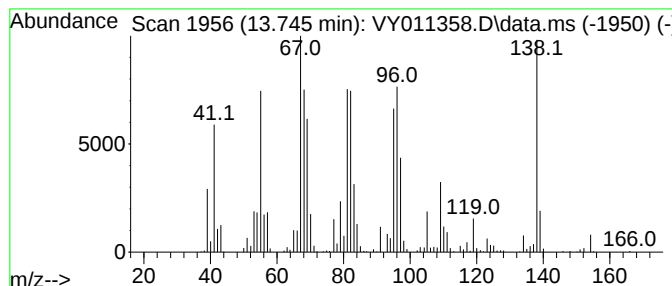
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, decahydro- Concentration Rank 2

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 13.745 | 693.13 ug/l | 600226 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-         | 138 | C10H18  | 000091-17-8 | 96   |
| 2    |    |   | Naphthalene, decahydro-, trans- | 138 | C10H18  | 000493-02-7 | 89   |
| 3    |    |   | Spiro[4.5]decane                | 138 | C10H18  | 000176-63-6 | 81   |
| 4    |    |   | Naphthalene, decahydro-, cis-   | 138 | C10H18  | 000493-01-6 | 74   |
| 5    |    |   | 1,1'-Bicyclopentyl              | 138 | C10H18  | 001636-39-1 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
Acq On : 08 Nov 2022 13:44  
Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

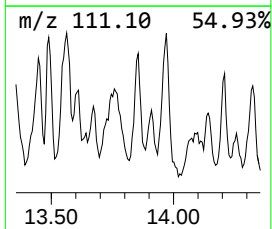
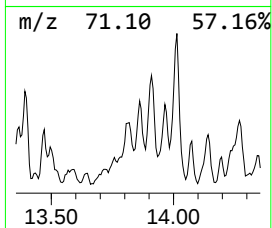
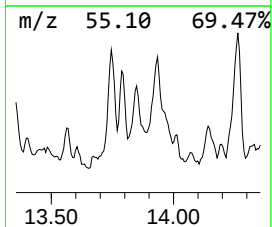
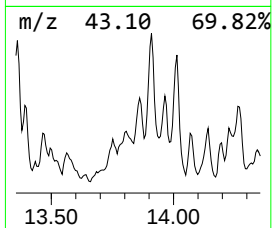
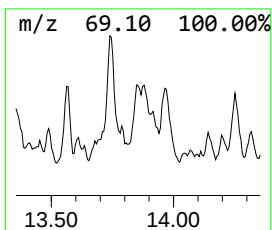
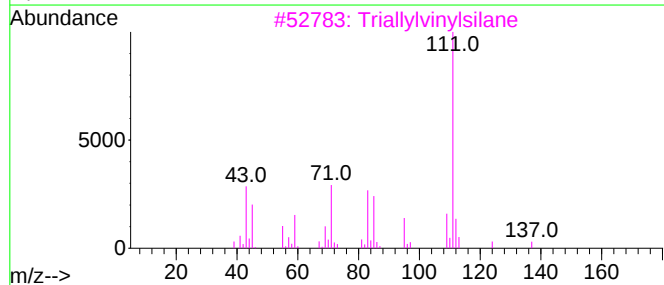
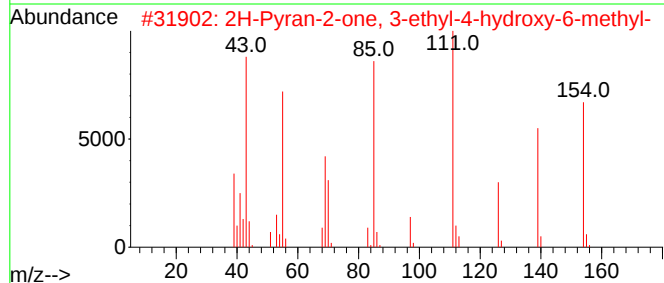
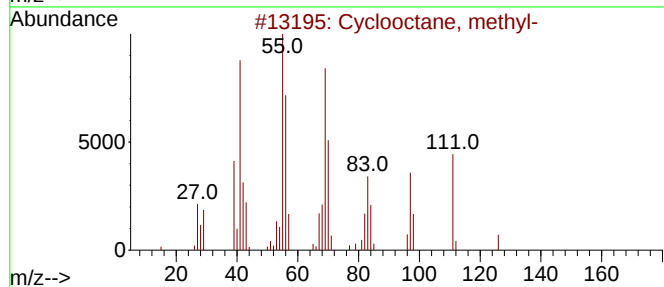
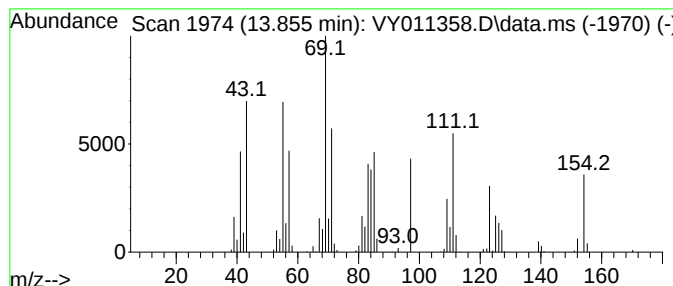
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown13.855 Concentration Rank 7

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 13.855 | 325.69 ug/l | 282035 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclooctane, methyl-                | 126 | C9H18    | 001502-38-1  | 49   |
| 2    |    |   | 2H-Pyran-2-one, 3-ethyl-4-hydrox... | 154 | C8H10O3  | 050607-35-7  | 35   |
| 3    |    |   | Triallylvinylsilane                 | 178 | C11H18Si | 017988-47-5  | 35   |
| 4    |    |   | 4,6-Diketo-1-heptanol               | 144 | C7H12O3  | 057245-94-0  | 27   |
| 5    |    |   | 2-Hexene, 4-ethyl-2,3-dimethyl-     | 140 | C10H20   | 1000149-19-7 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
Acq On : 08 Nov 2022 13:44  
Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

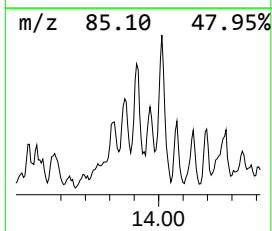
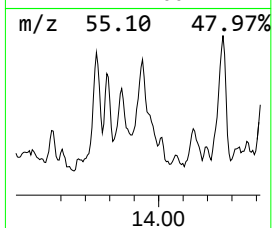
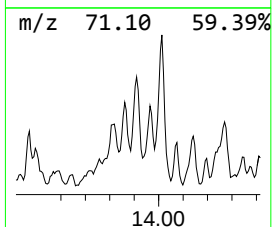
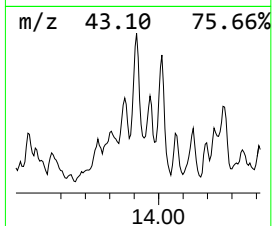
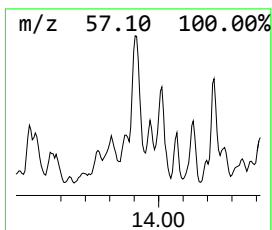
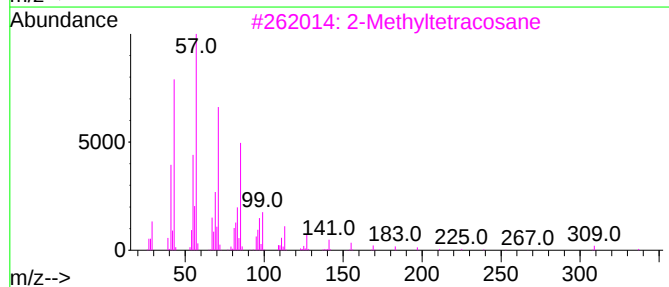
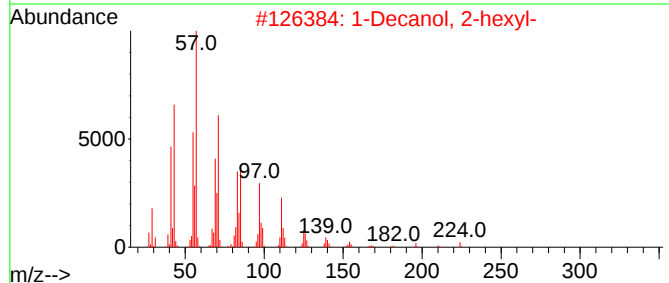
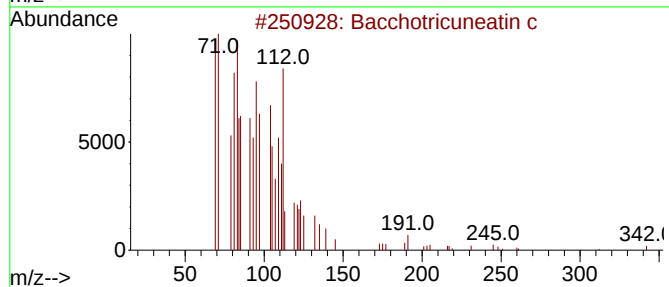
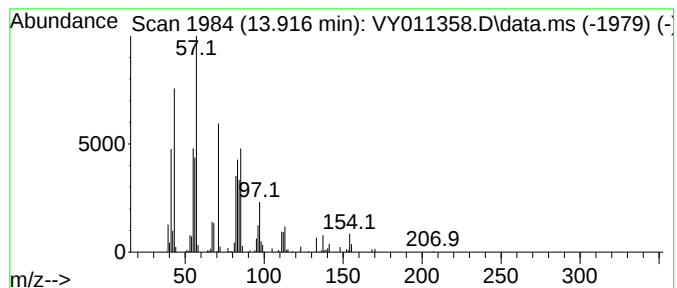
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Bacchotricuneatin c Concentration Rank 3

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 13.916 | 456.49 ug/l | 395301 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | Bacchotricuneatin c                 | 342 | C20H22O5    | 066563-30-2 | 59   |
| 2    |    |   | 1-Decanol, 2-hexyl-                 | 242 | C16H34O     | 002425-77-6 | 59   |
| 3    |    |   | 2-Methyltetracosane                 | 352 | C25H52      | 001560-78-7 | 47   |
| 4    |    |   | Dichloroacetic acid, tetradecyl ... | 324 | C16H30Cl2O2 | 083005-02-1 | 43   |
| 5    |    |   | Undecane, 5-methyl-                 | 170 | C12H26      | 001632-70-8 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
Acq On : 08 Nov 2022 13:44  
Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

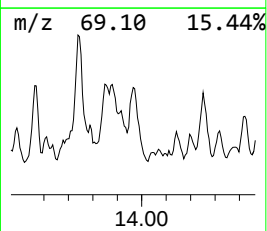
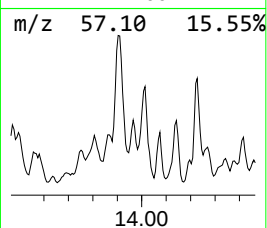
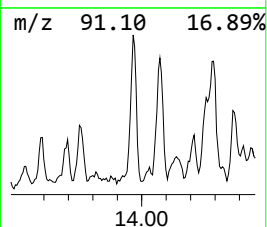
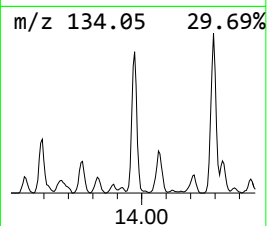
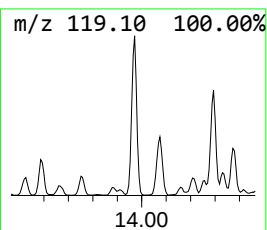
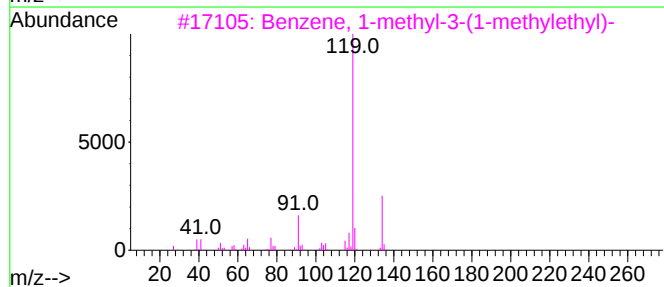
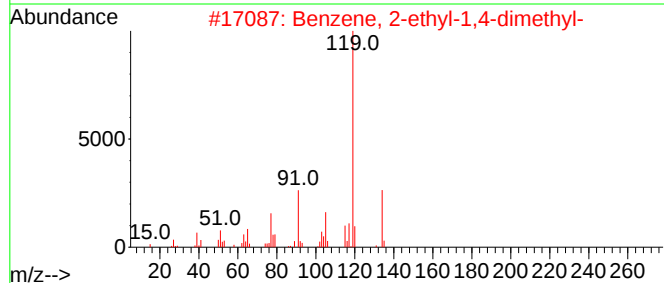
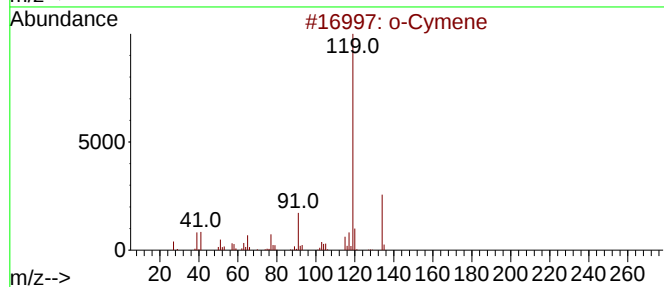
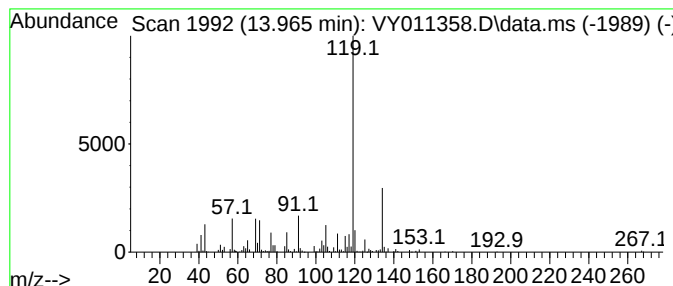
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 o-Cymene Concentration Rank 5

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 13.965 | 403.83 ug/l | 349704 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    |   | Benzene, 2-ethyl-1,4-dimethyl-       | 134 | C10H14  | 001758-88-9 | 95   |
| 3    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 94   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 93   |
| 5    |    |   | Benzene, 4-ethyl-1,2-dimethyl-       | 134 | C10H14  | 000934-80-5 | 93   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
Acq On : 08 Nov 2022 13:44  
Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

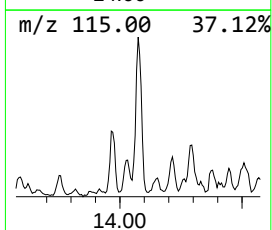
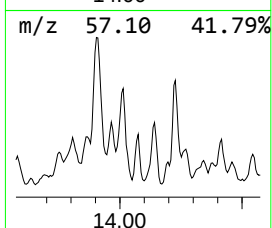
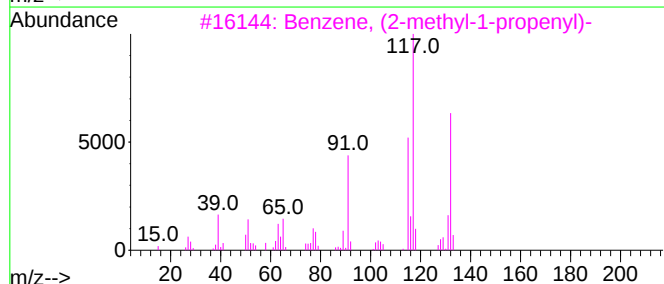
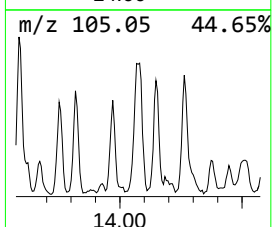
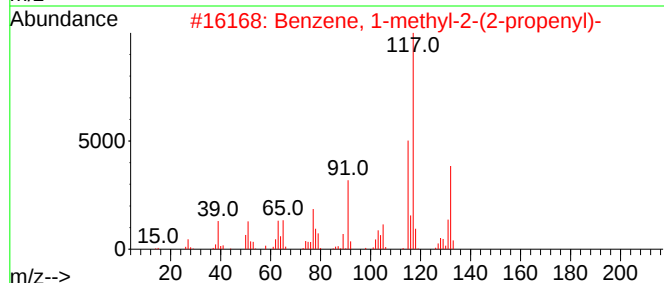
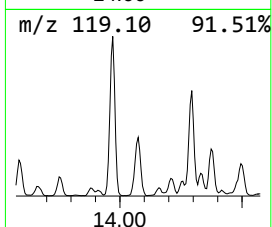
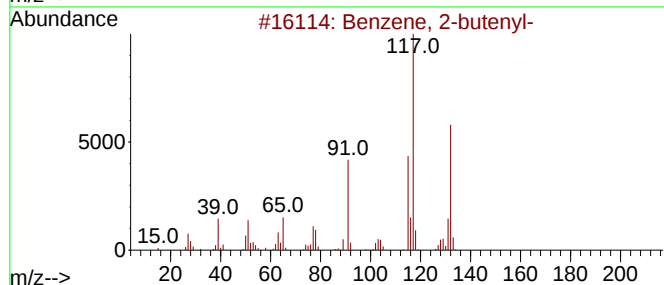
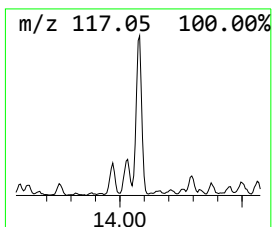
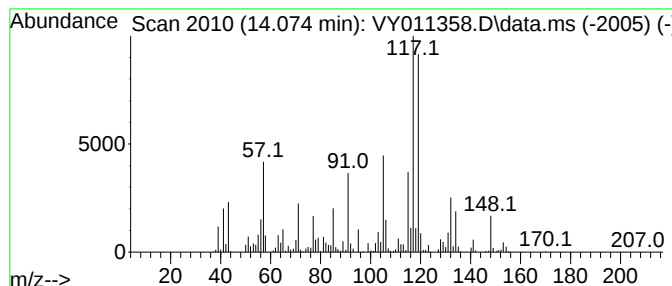
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Quant Title : SW846 8260

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

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Peak Number 7 Benzene, 2-butenyl- Concentration Rank 10

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.075 | 268.44 ug/l | 232457 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 90   |
| 2    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 83   |
| 3    |    |   | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0 | 70   |
| 4    |    |   | 1-Methyl-2-phenylcyclopropane     | 132 | C10H12  | 003145-76-4 | 55   |
| 5    |    |   | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 55   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
Acq On : 08 Nov 2022 13:44  
Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

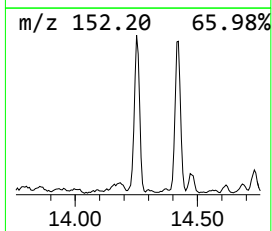
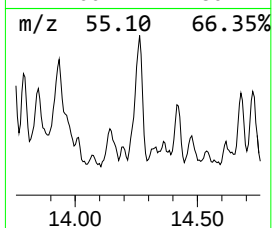
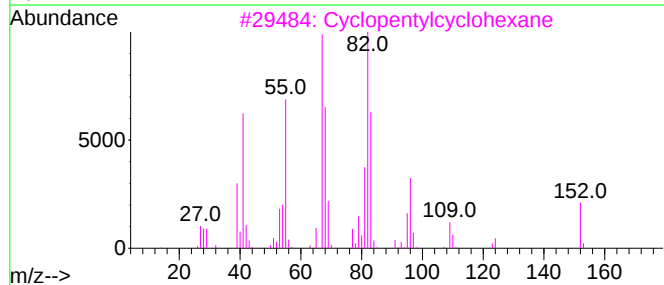
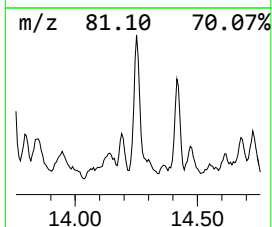
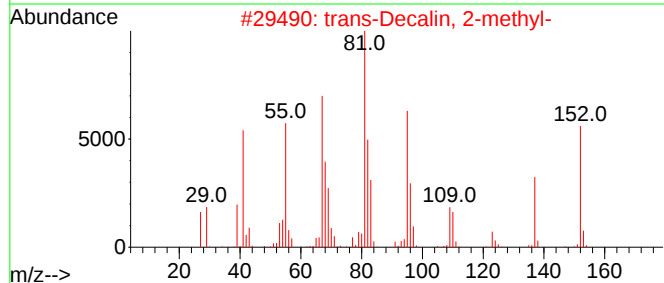
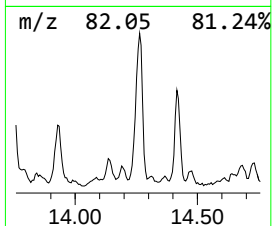
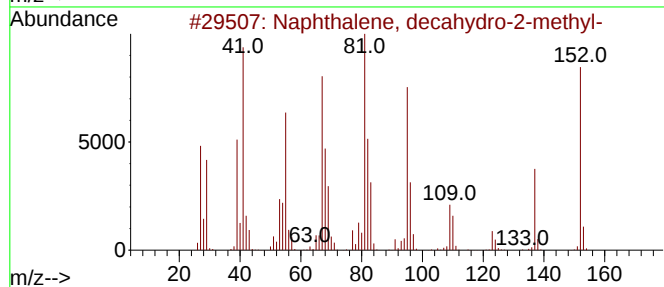
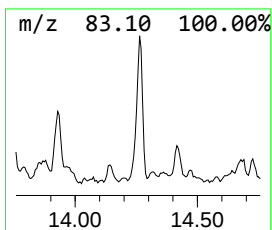
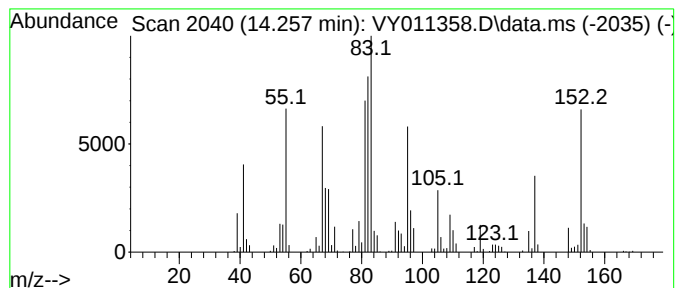
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 1

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.257 | 848.47 ug/l | 734744 | 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  | 91   |
| 2    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 78   |
| 3    |    |   | Cyclopentylcyclohexane              | 152 | C11H20  | 001606-08-2  | 49   |
| 4    |    |   | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2  | 46   |
| 5    |    |   | Dodeca-1,6-dien-12-ol, 6,10-dime... | 210 | C14H26O | 1000156-13-8 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
Acq On : 08 Nov 2022 13:44  
Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

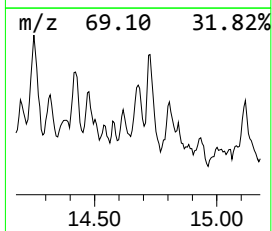
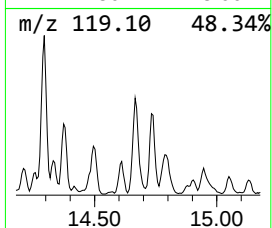
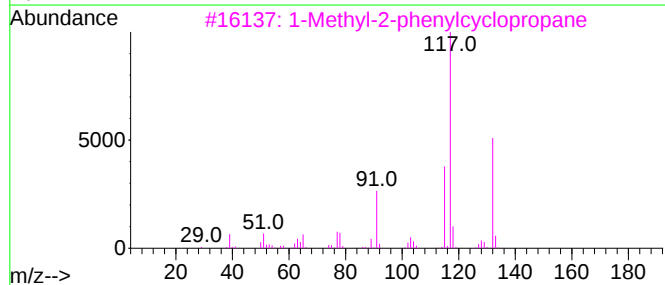
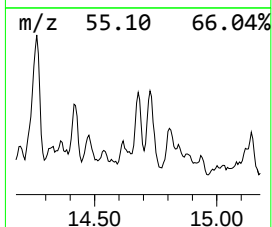
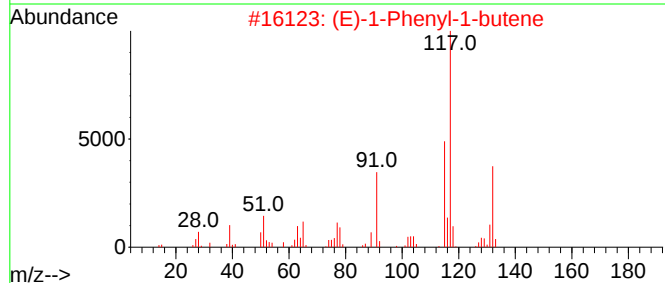
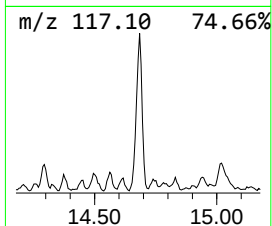
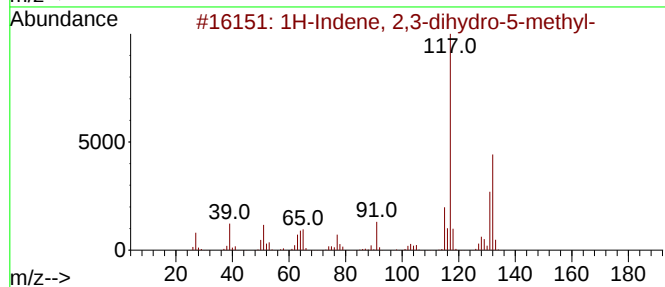
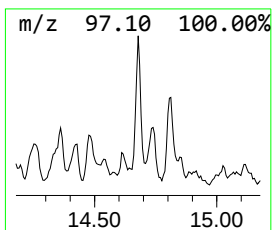
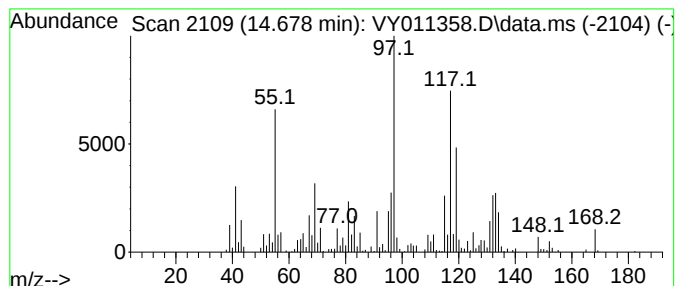
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Quant Title : SW846 8260

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

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Peak Number 9 unknown14.678 Concentration Rank 8

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.678 | 321.45 ug/l | 278359 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------------|-----|---------|-------------|------|
| 1    |      | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 | C10H12  | 000874-35-1 | 38   |
| 2    |      | (E)-1-Phenyl-1-butene             | 132 | C10H12  | 001005-64-7 | 38   |
| 3    |      | 1-Methyl-2-phenylcyclopropane     | 132 | C10H12  | 003145-76-4 | 38   |
| 4    |      | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 38   |
| 5    |      | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
Acq On : 08 Nov 2022 13:44  
Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

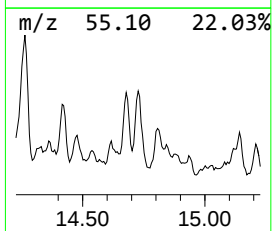
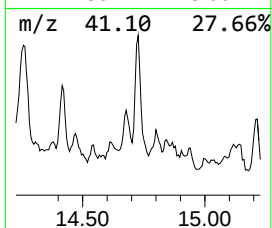
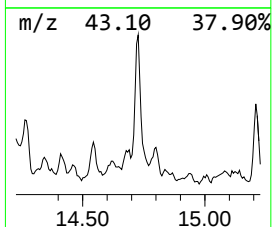
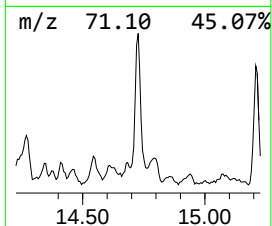
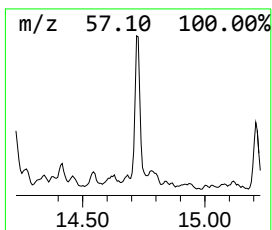
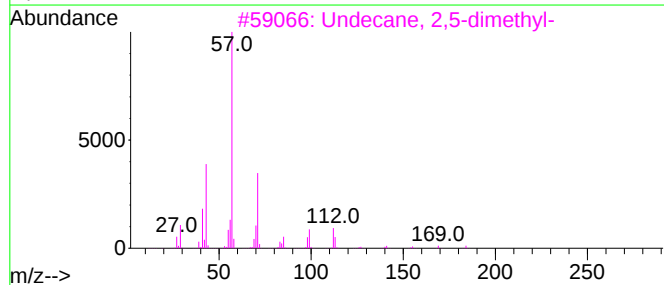
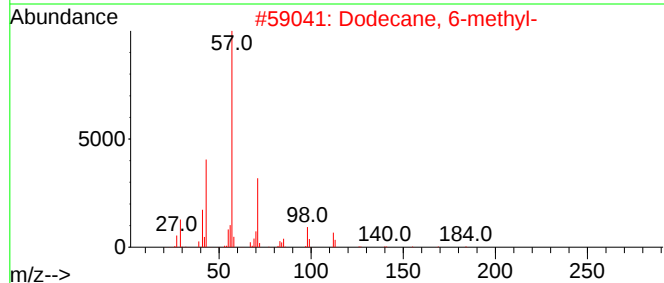
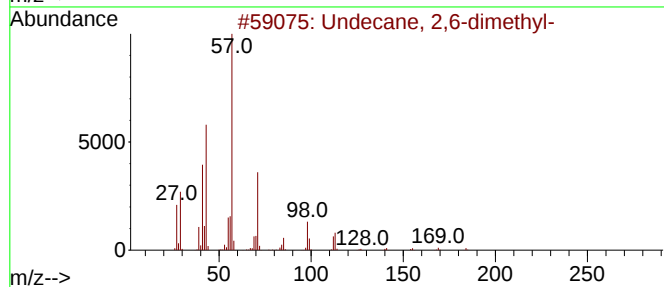
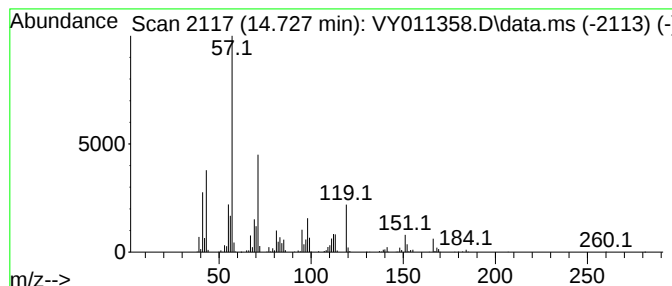
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Undecane, 2,6-dimethyl- Concentration Rank 4

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 14.727 | 454.58 ug/l | 393651 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-             | 184 | C13H28     | 017301-23-4  | 78   |
| 2    |    |   | Dodecane, 6-methyl-                 | 184 | C13H28     | 006044-71-9  | 60   |
| 3    |    |   | Undecane, 2,5-dimethyl-             | 184 | C13H28     | 017301-22-3  | 53   |
| 4    |    |   | Carbonic acid, 2,2,2-trichloroet... | 262 | C8H13Cl3O3 | 1000357-89-3 | 47   |
| 5    |    |   | Tridecane, 6-methyl-                | 198 | C14H30     | 013287-21-3  | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110822\  
Data File : VY011358.D  
Acq On : 08 Nov 2022 13:44  
Operator : KP/MD  
Sample : N5479-02  
Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TUL-ROS-1104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.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 |
| unknown12.806      | 12.806 | 300.9   | ug/l  | 260574   | 4                     | 13.422 | 43298 | 50.0 |
| Nonane, 2,6-dim... | 13.038 | 395.3   | ug/l  | 342283   | 4                     | 13.422 | 43298 | 50.0 |
| Naphthalene, de... | 13.745 | 693.1   | ug/l  | 600226   | 4                     | 13.422 | 43298 | 50.0 |
| unknown13.855      | 13.855 | 325.7   | ug/l  | 282035   | 4                     | 13.422 | 43298 | 50.0 |
| Bacchotricuneat... | 13.916 | 456.5   | ug/l  | 395301   | 4                     | 13.422 | 43298 | 50.0 |
| o-Cymene           | 13.965 | 403.8   | ug/l  | 349704   | 4                     | 13.422 | 43298 | 50.0 |
| Benzene, 2-bute... | 14.075 | 268.4   | ug/l  | 232457   | 4                     | 13.422 | 43298 | 50.0 |
| Naphthalene, de... | 14.257 | 848.5   | ug/l  | 734744   | 4                     | 13.422 | 43298 | 50.0 |
| unknown14.678      | 14.678 | 321.4   | ug/l  | 278359   | 4                     | 13.422 | 43298 | 50.0 |
| Undecane, 2,6-d... | 14.727 | 454.6   | ug/l  | 393651   | 4                     | 13.422 | 43298 | 50.0 |