

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
 Data File : VN072775.D  
 Acq On : 10 Jun 2022 19:25  
 Operator : JC\MD  
 Sample : N3293-19  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30986

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\_N\methods\82N060822W.M  
 Title : SW846 8260

Signal : TIC: VN072775.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         | 2.228       | 34            | 41          | 45           | rBV      | 29977          | 63001         | 1.52%           | 0.247%        |
| 2         | 2.281       | 45            | 50          | 60           | rVV      | 19017          | 68490         | 1.65%           | 0.269%        |
| 3         | 2.734       | 120           | 127         | 145          | rVB3     | 55274          | 125009        | 3.01%           | 0.490%        |
| 4         | 4.281       | 381           | 390         | 399          | rBV      | 196194         | 574335        | 13.83%          | 2.252%        |
| 5         | 4.575       | 423           | 440         | 452          | rBV2     | 90789          | 336409        | 8.10%           | 1.319%        |
| 6         | 4.851       | 476           | 487         | 502          | rVB2     | 84273          | 269875        | 6.50%           | 1.058%        |
| 7         | 5.375       | 563           | 576         | 591          | rBV3     | 33743          | 130728        | 3.15%           | 0.513%        |
| 8         | 7.051       | 849           | 861         | 871          | rBV4     | 18367          | 63132         | 1.52%           | 0.248%        |
| 9         | 7.334       | 899           | 909         | 922          | rBV2     | 71237          | 200435        | 4.83%           | 0.786%        |
| 10        | 7.687       | 955           | 969         | 980          | rBV7     | 20003          | 78746         | 1.90%           | 0.309%        |
| 11        | 7.839       | 985           | 995         | 1010         | rVV      | 108714         | 263171        | 6.34%           | 1.032%        |
| 12        | 8.022       | 1010          | 1026        | 1031         | rVV      | 254075         | 642619        | 15.48%          | 2.519%        |
| 13        | 8.081       | 1031          | 1036        | 1048         | rVB      | 269444         | 600420        | 14.46%          | 2.354%        |
| 14        | 8.434       | 1084          | 1096        | 1108         | rBV2     | 342322         | 977786        | 23.55%          | 3.833%        |
| 15        | 8.963       | 1178          | 1186        | 1195         | rBV      | 408041         | 841998        | 20.28%          | 3.301%        |
| 16        | 9.410       | 1254          | 1262        | 1269         | rBV      | 31551          | 63354         | 1.53%           | 0.248%        |
| 17        | 9.557       | 1280          | 1287        | 1297         | rVB3     | 50498          | 110466        | 2.66%           | 0.433%        |
| 18        | 9.663       | 1297          | 1305        | 1315         | rVV      | 95646          | 199280        | 4.80%           | 0.781%        |
| 19        | 9.763       | 1315          | 1322        | 1332         | rVB      | 48385          | 91093         | 2.19%           | 0.357%        |
| 20        | 10.063      | 1363          | 1373        | 1383         | rVB      | 68857          | 129781        | 3.13%           | 0.509%        |
| 21        | 10.251      | 1398          | 1405        | 1409         | rBV2     | 54884          | 130245        | 3.14%           | 0.511%        |
| 22        | 10.439      | 1429          | 1437        | 1444         | rBV      | 1028958        | 1894114       | 45.63%          | 7.426%        |
| 23        | 10.498      | 1444          | 1447        | 1458         | rVB      | 64565          | 130175        | 3.14%           | 0.510%        |
| 24        | 11.139      | 1550          | 1556        | 1563         | rBV      | 131592         | 244322        | 5.89%           | 0.958%        |
| 25        | 11.222      | 1563          | 1570        | 1577         | rVV      | 274361         | 524917        | 12.64%          | 2.058%        |
| 26        | 11.616      | 1629          | 1637        | 1647         | rBV4     | 25430          | 62707         | 1.51%           | 0.246%        |
| 27        | 11.739      | 1649          | 1658        | 1662         | rBV      | 598569         | 1194362       | 28.77%          | 4.682%        |
| 28        | 11.780      | 1662          | 1665        | 1674         | rVB      | 575293         | 983506        | 23.69%          | 3.856%        |
| 29        | 11.945      | 1683          | 1693        | 1702         | rVB      | 96314          | 214457        | 5.17%           | 0.841%        |
| 30        | 12.092      | 1711          | 1718        | 1728         | rVB5     | 135966         | 374622        | 9.02%           | 1.469%        |
| 31        | 12.186      | 1728          | 1734        | 1738         | rBV      | 88923          | 158290        | 3.81%           | 0.621%        |
| 32        | 12.227      | 1738          | 1741        | 1745         | rVV2     | 89199          | 148828        | 3.59%           | 0.583%        |
| 33        | 12.316      | 1745          | 1756        | 1772         | rVB4     | 162360         | 634950        | 15.30%          | 2.489%        |
| 34        | 12.451      | 1772          | 1779        | 1785         | rBV      | 142458         | 265311        | 6.39%           | 1.040%        |
| 35        | 12.516      | 1785          | 1790        | 1794         | rVV      | 162159         | 294367        | 7.09%           | 1.154%        |
| 36        | 12.569      | 1794          | 1799        | 1805         | rVB      | 153312         | 283706        | 6.83%           | 1.112%        |

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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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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\_N\methods\82N060822W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 12.727 | 1818 | 1826 | 1832 | rBV  | 777415  | 1409050 | 33.94%  | 5.524%  |
| 38 | 12.816 | 1837 | 1841 | 1843 | rVV3 | 49058   | 77130   | 1.86%   | 0.302%  |
| 39 | 12.851 | 1844 | 1847 | 1851 | rVV3 | 68210   | 115266  | 2.78%   | 0.452%  |
| 40 | 12.892 | 1851 | 1854 | 1862 | rVB4 | 54046   | 112115  | 2.70%   | 0.440%  |
| 41 | 13.004 | 1867 | 1873 | 1879 | rVB  | 524543  | 887427  | 21.38%  | 3.479%  |
| 42 | 13.104 | 1885 | 1890 | 1892 | rBV  | 68754   | 112564  | 2.71%   | 0.441%  |
| 43 | 13.133 | 1892 | 1895 | 1898 | rVV2 | 81877   | 131404  | 3.17%   | 0.515%  |
| 44 | 13.163 | 1898 | 1900 | 1907 | rVB2 | 81854   | 113606  | 2.74%   | 0.445%  |
| 45 | 13.233 | 1907 | 1912 | 1917 | rBV7 | 43050   | 85756   | 2.07%   | 0.336%  |
| 46 | 13.304 | 1917 | 1924 | 1927 | rVV  | 295791  | 550851  | 13.27%  | 2.160%  |
| 47 | 13.339 | 1927 | 1930 | 1939 | rVV2 | 429236  | 827352  | 19.93%  | 3.244%  |
| 48 | 13.427 | 1939 | 1945 | 1952 | rVB4 | 137470  | 278075  | 6.70%   | 1.090%  |
| 49 | 13.563 | 1960 | 1968 | 1976 | rBV3 | 105023  | 304774  | 7.34%   | 1.195%  |
| 50 | 13.668 | 1981 | 1986 | 1997 | rVB  | 565841  | 1029194 | 24.79%  | 4.035%  |
| 51 | 13.768 | 1997 | 2003 | 2013 | rBV  | 2506661 | 4151321 | 100.00% | 16.275% |
| 52 | 13.998 | 2037 | 2042 | 2048 | rBV3 | 167211  | 314471  | 7.58%   | 1.233%  |
| 53 | 14.074 | 2048 | 2055 | 2059 | rVV2 | 149614  | 294460  | 7.09%   | 1.154%  |
| 54 | 14.116 | 2059 | 2062 | 2069 | rVV3 | 81388   | 164927  | 3.97%   | 0.647%  |
| 55 | 14.263 | 2078 | 2087 | 2097 | rVV6 | 67743   | 231606  | 5.58%   | 0.908%  |
| 56 | 14.351 | 2098 | 2102 | 2110 | rVB8 | 37976   | 97127   | 2.34%   | 0.381%  |
| 57 | 14.739 | 2161 | 2168 | 2175 | rVB7 | 38022   | 97303   | 2.34%   | 0.381%  |
| 58 | 15.198 | 2240 | 2246 | 2258 | rVB2 | 42125   | 95368   | 2.30%   | 0.374%  |
| 59 | 15.468 | 2285 | 2292 | 2295 | rBV2 | 93377   | 201109  | 4.84%   | 0.788%  |
| 60 | 15.504 | 2295 | 2298 | 2305 | rVB2 | 116445  | 201349  | 4.85%   | 0.789%  |
| 61 | 16.615 | 2480 | 2487 | 2500 | rVB2 | 104497  | 254618  | 6.13%   | 0.998%  |

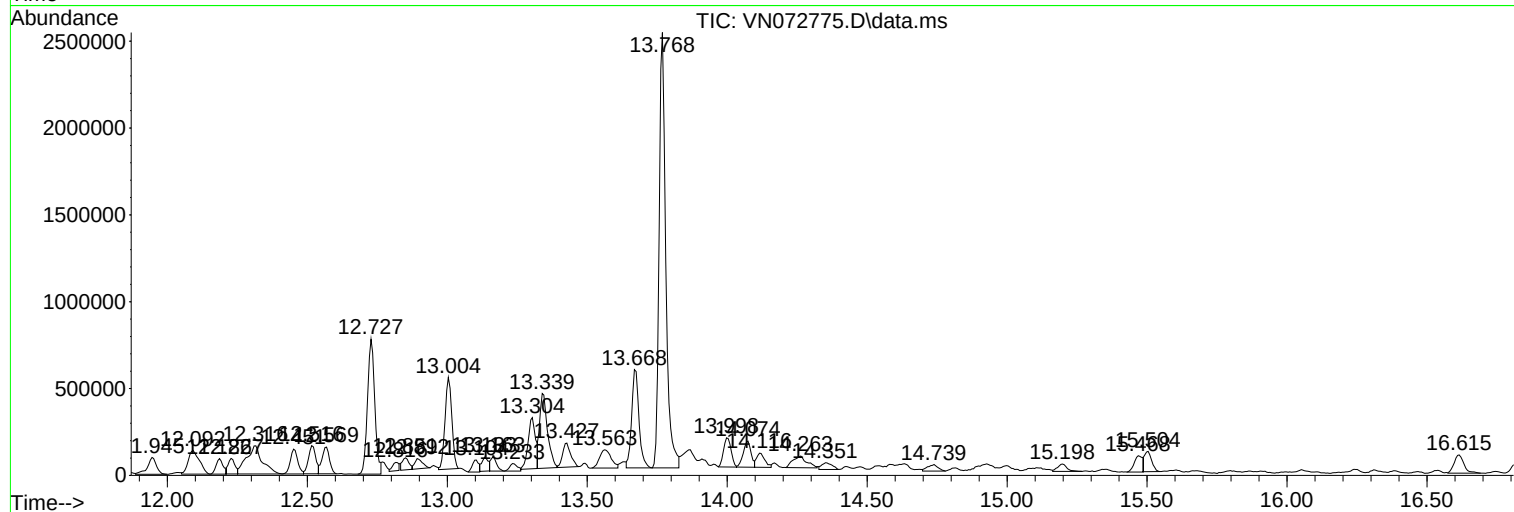
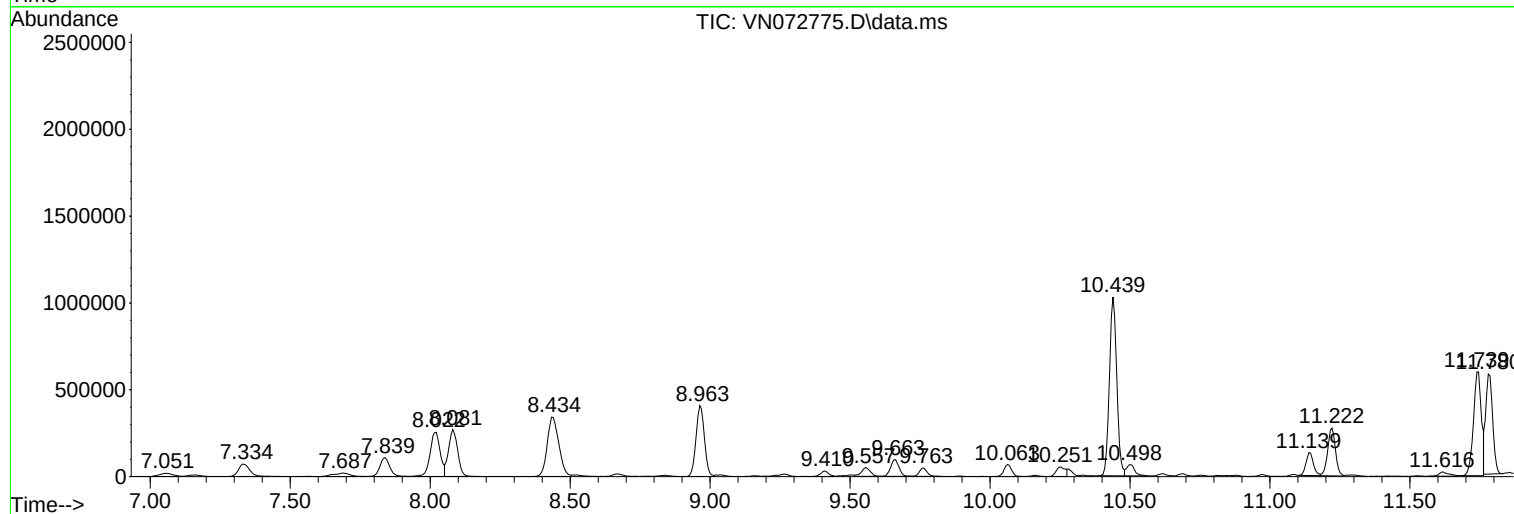
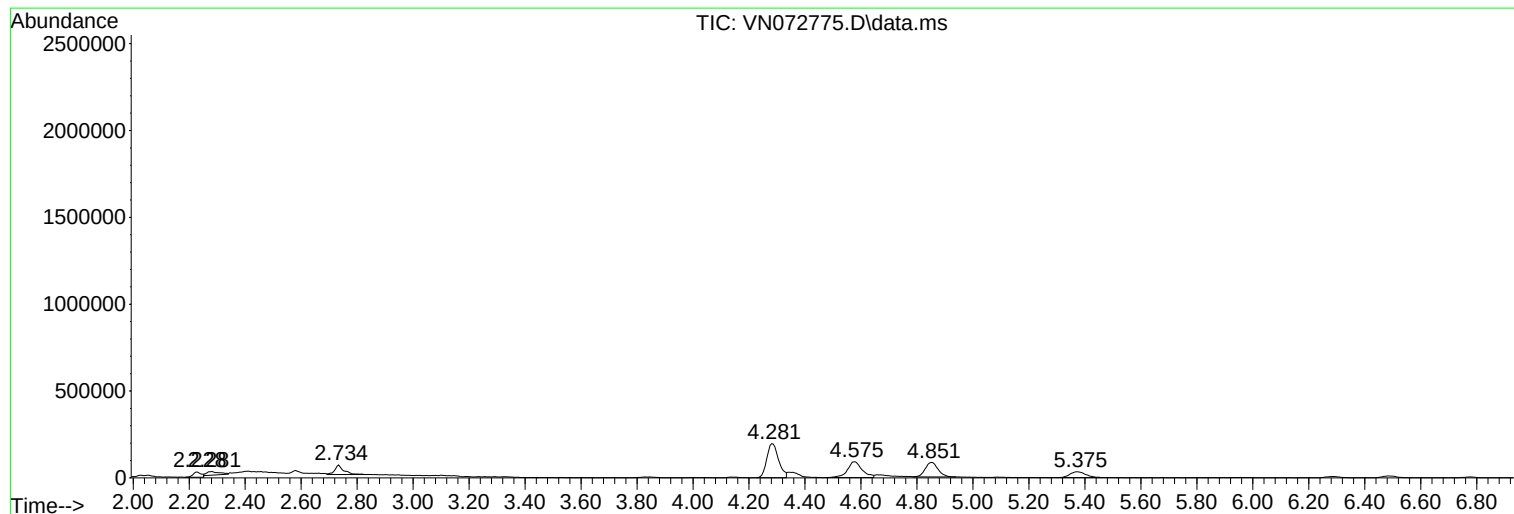
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
30986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060822W.M  
Quant Title : SW846 8260

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



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Instrument :  
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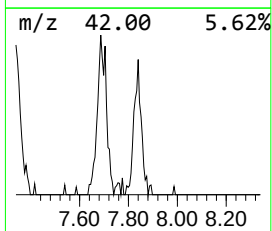
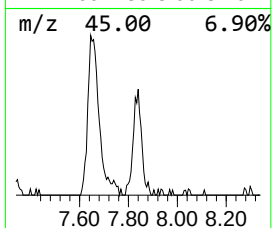
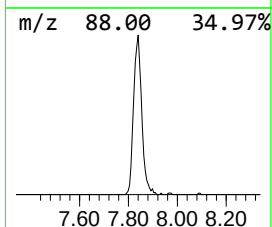
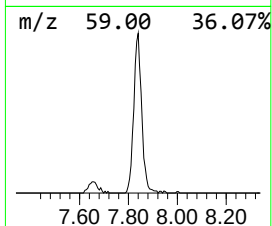
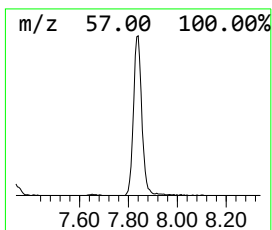
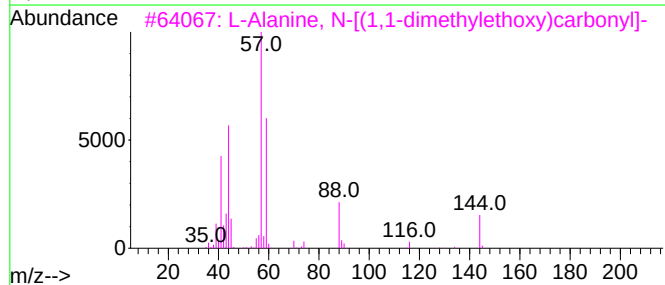
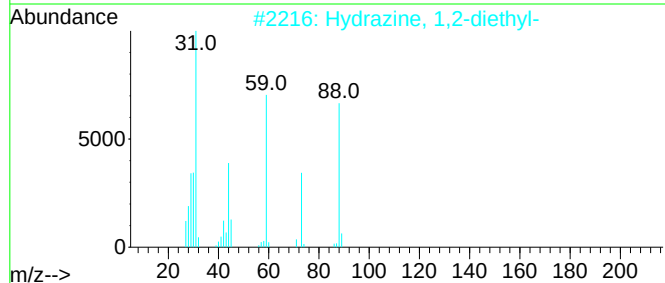
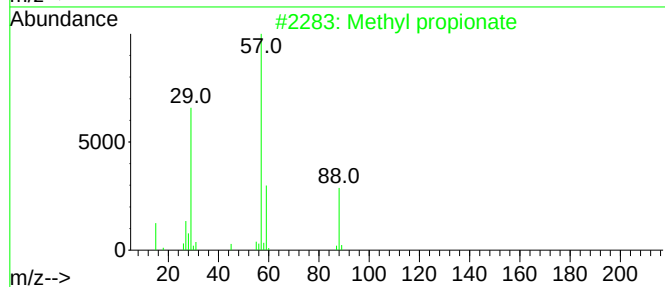
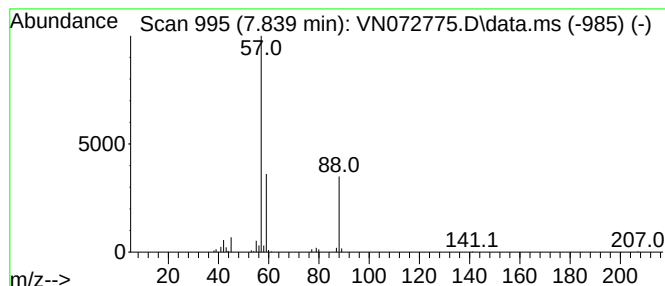
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Quant Title : SW846 8260

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

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Peak Number 1 Methyl propionate Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 7.839 | 21.92 ug/l | 263171 | Pentafluorobenzene | 8.081 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Methyl propionate                   | 88  | C4H8O2    | 000554-12-1  | 72   |
| 2    |    |   | Hydrazine, 1,2-diethyl-             | 88  | C4H12N2   | 001615-80-1  | 37   |
| 3    |    |   | L-Alanine, N-[(1,1-dimethylethox... | 189 | C8H15NO4  | 015761-38-3  | 33   |
| 4    |    |   | Carbamic acid, (2-amino-1-methyl... | 188 | C8H16N2O3 | 081587-17-9  | 25   |
| 5    |    |   | Carbonic acid, monoamide, tert-b... | 215 | C12H25NO2 | 1000420-59-3 | 9    |



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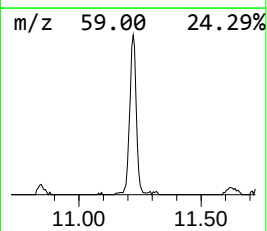
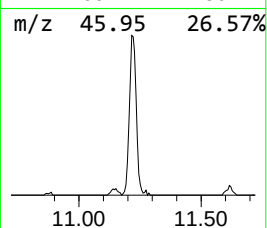
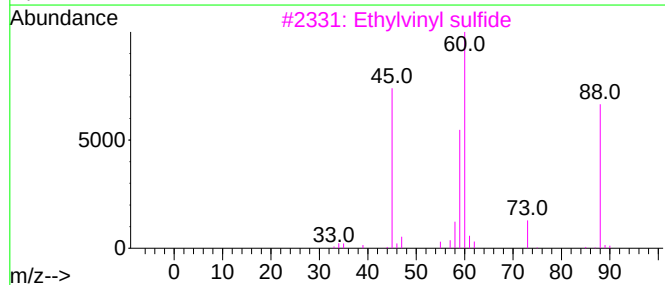
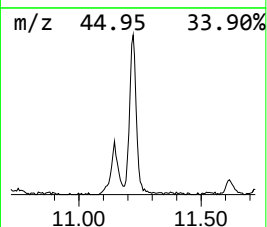
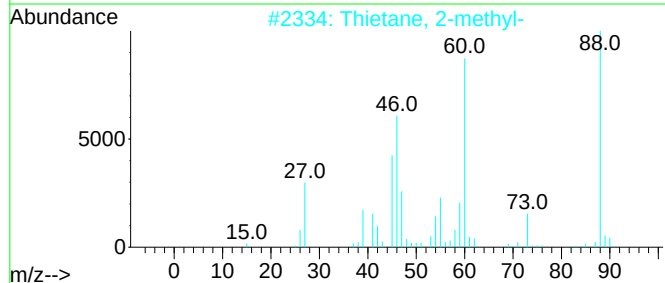
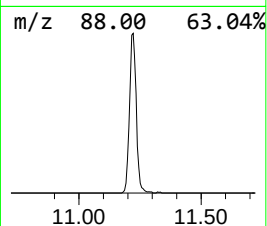
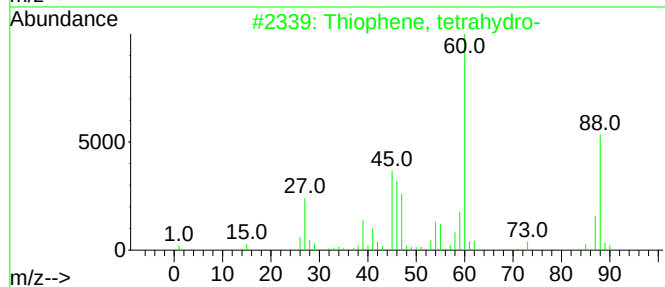
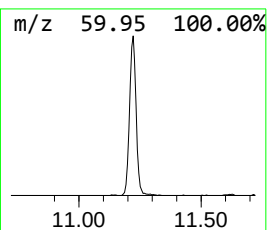
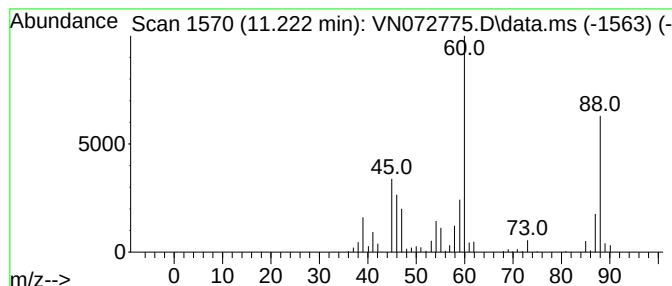
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060822W.M  
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Thiophene, tetrahydro- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.222 | 21.97 ug/l | 524917 | Chlorobenzene-d5 | 11.745 |

| Hit# | of 5 | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|------|------------------------|----|---------|-------------|------|
| 1    |      | Thiophene, tetrahydro- | 88 | C4H8S   | 000110-01-0 | 97   |
| 2    |      | Thietane, 2-methyl-    | 88 | C4H8S   | 017837-41-1 | 81   |
| 3    |      | Ethylvinyl sulfide     | 88 | C4H8S   | 000627-50-9 | 40   |
| 4    |      | 2,2-Dimethylthiirane   | 88 | C4H8S   | 003772-13-2 | 25   |
| 5    |      | Ethanol, 2-mercapto-   | 78 | C2H6OS  | 000060-24-2 | 23   |



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060822W.M  
Quant Title : SW846 8260

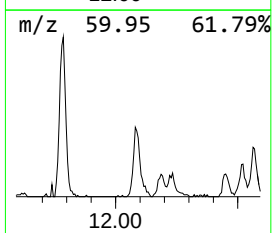
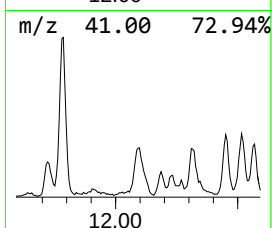
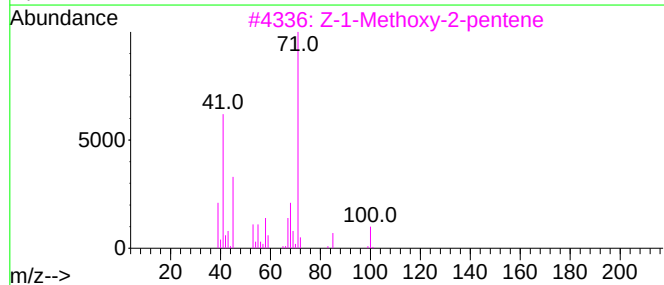
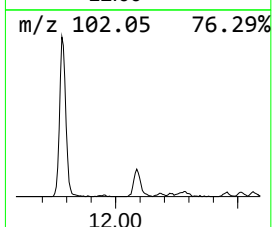
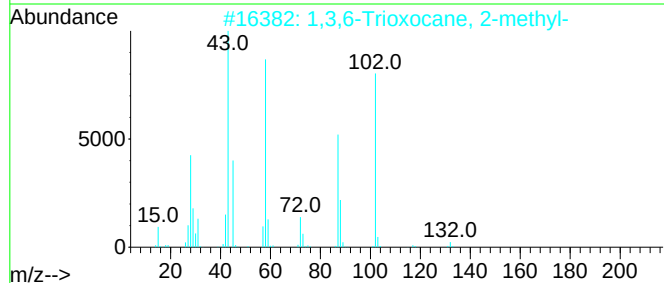
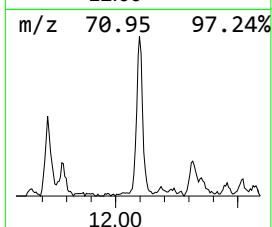
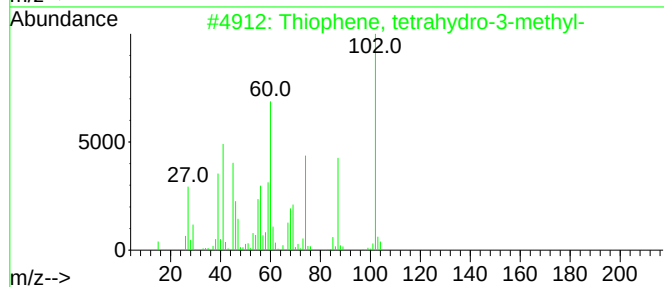
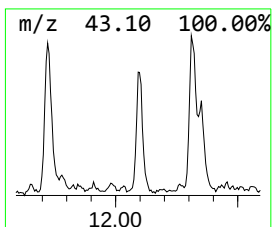
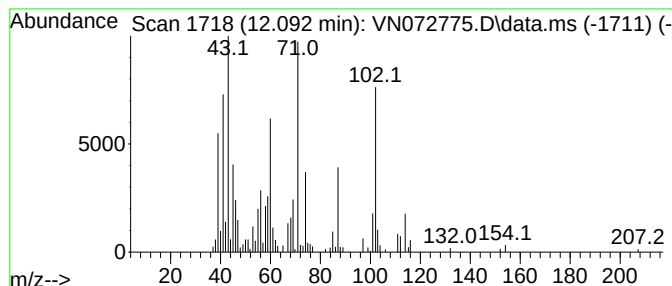
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Thiophene, tetrahydro-3-met... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.092 | 15.68 ug/l | 374622 | Chlorobenzene-d5 | 11.745 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Thiophene, tetrahydro-3-methyl-     | 102 | C5H10S  | 004740-00-5  | 98   |
| 2    |    |   | 1,3,6-Trioxocane, 2-methyl-         | 132 | C6H12O3 | 002781-01-3  | 38   |
| 3    |    |   | Z-1-Methoxy-2-pentene               | 100 | C6H12O  | 1000279-59-4 | 22   |
| 4    |    |   | Methyl 2,2-dimethyl-3-hydroxypro... | 132 | C6H12O3 | 014002-80-3  | 22   |
| 5    |    |   | 2-Methyl-3-(methylthio)-1-propene   | 102 | C5H10S  | 052326-10-0  | 22   |



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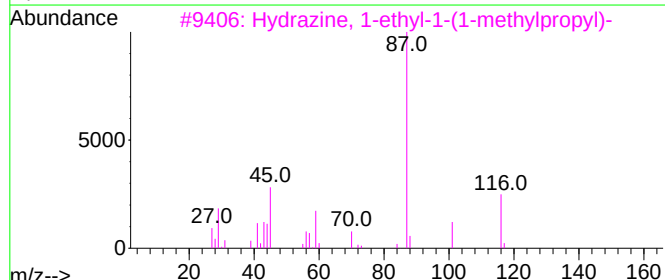
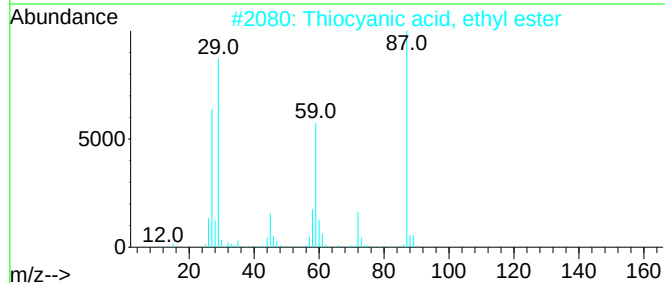
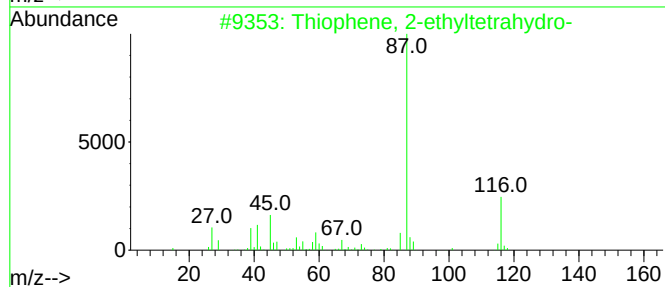
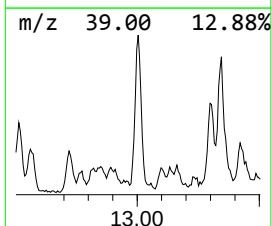
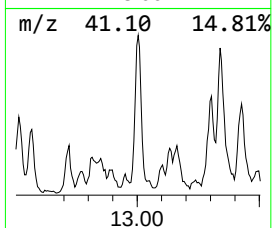
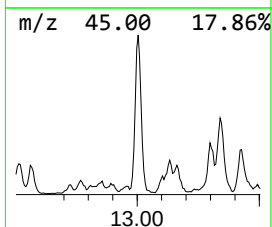
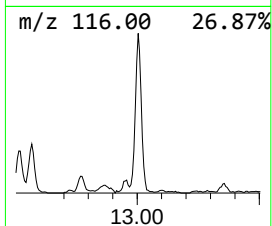
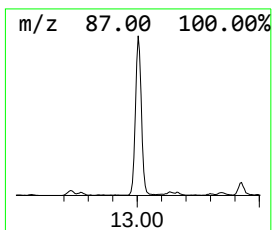
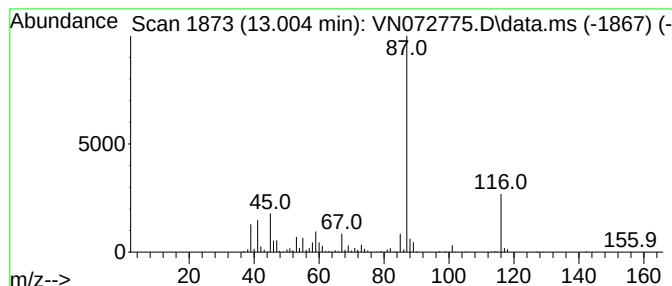
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Thiophene, 2-ethyltetrahydro- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.004 | 43.11 ug/l | 887427 | 1,4-Dichlorobenzene-d4 | 13.674 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Thiophene, 2-ethyltetrahydro-       | 116 | C6H12S   | 001551-32-2 | 95   |
| 2    |    |   | Thiocyanic acid, ethyl ester        | 87  | C3H5NS   | 000542-90-5 | 59   |
| 3    |    |   | Hydrazine, 1-ethyl-1-(1-methylpr... | 116 | C6H16N2  | 020325-97-7 | 50   |
| 4    |    |   | trans-1-Nitro-1-propene             | 87  | C3H5NO2  | 017082-05-2 | 46   |
| 5    |    |   | 2-[2-[2-[2-(2-Acetyloxyethoxy...    | 366 | C16H30O9 | 024997-24-8 | 40   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
Data File : VN072775.D  
Acq On : 10 Jun 2022 19:25  
Operator : JC\MD  
Sample : N3293-19  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060822W.M  
Quant Title : SW846 8260

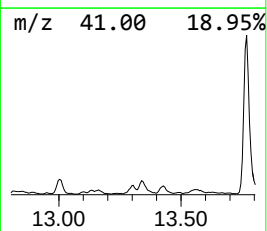
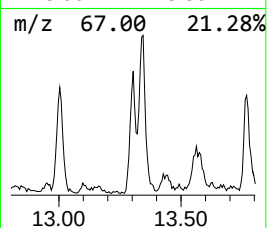
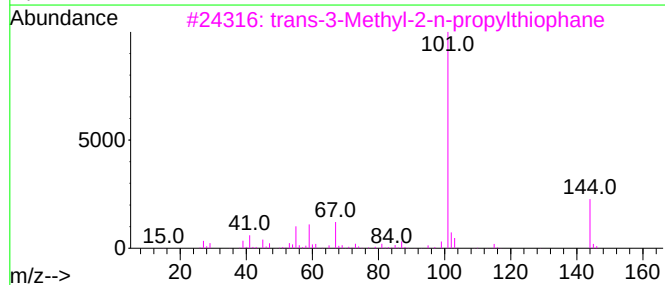
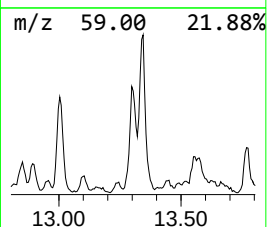
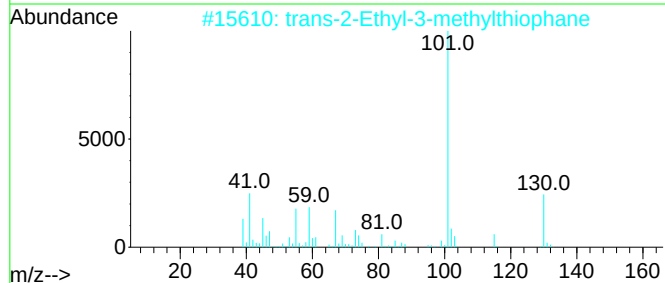
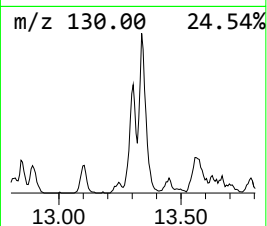
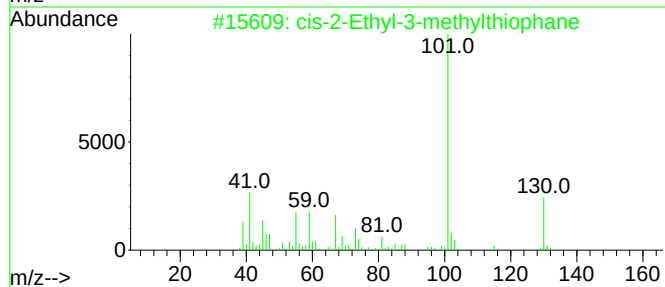
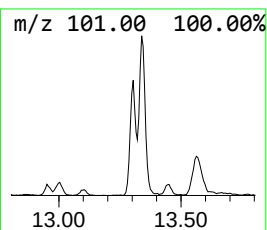
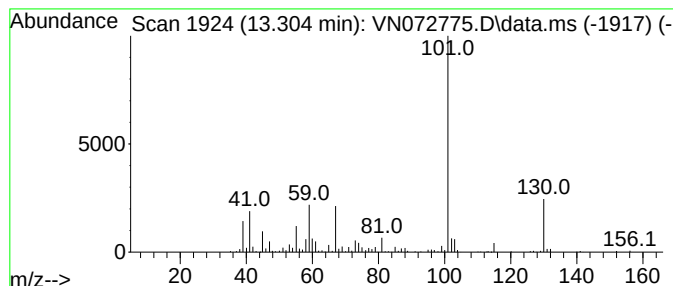
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 cis-2-Ethyl-3-methylthiophane Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.304 | 26.76 ug/l | 550851 | 1,4-Dichlorobenzene-d4 | 13.674 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | cis-2-Ethyl-3-methylthiophane      | 130 | C7H14S  | 061568-37-4 | 86   |
| 2    |    |   | trans-2-Ethyl-3-methylthiophane    | 130 | C7H14S  | 061568-36-3 | 78   |
| 3    |    |   | trans-3-Methyl-2-n-propylthiophane | 144 | C8H16S  | 118068-75-0 | 72   |
| 4    |    |   | 2-n-Propylthiane                   | 144 | C8H16S  | 017912-23-1 | 64   |
| 5    |    |   | cis-3-Methyl-2-n-propylthiophane   | 144 | C8H16S  | 118068-76-1 | 50   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
Data File : VN072775.D  
Acq On : 10 Jun 2022 19:25  
Operator : JC\MD  
Sample : N3293-19  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

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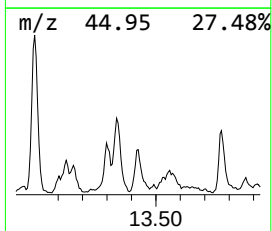
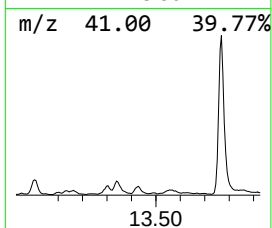
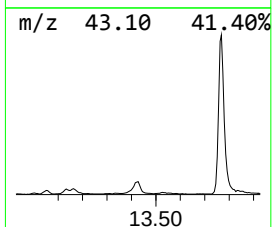
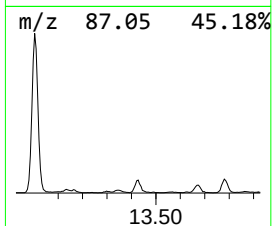
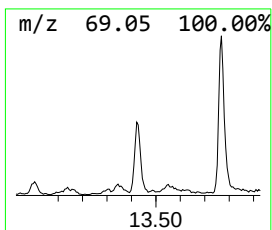
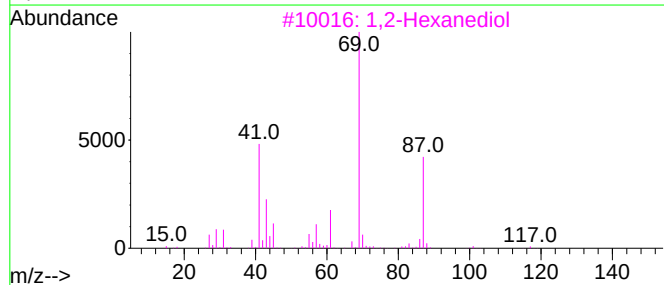
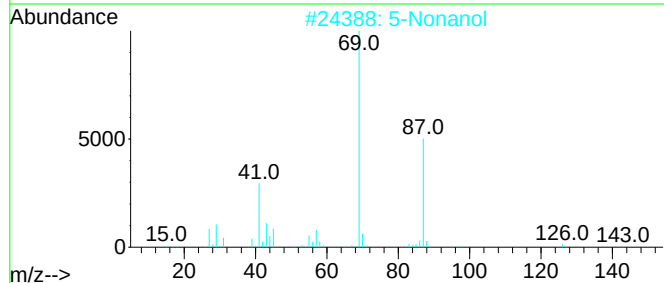
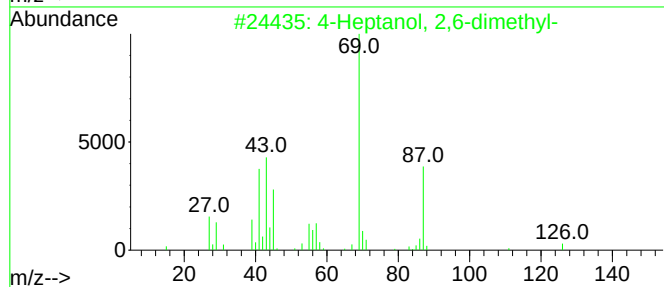
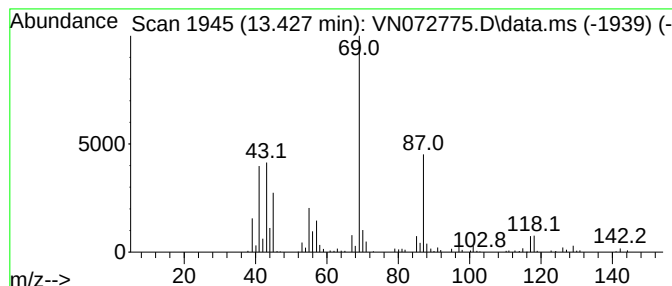
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Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.427 | 13.51 ug/l | 278075 | 1,4-Dichlorobenzene-d4 | 13.674 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 4-Heptanol, 2,6-dimethyl-           | 144 | C9H20O   | 000108-82-7 | 78   |
| 2    |    |   | 5-Nonanol                           | 144 | C9H20O   | 000623-93-8 | 72   |
| 3    |    |   | 1,2-Hexanediol                      | 118 | C6H14O2  | 006920-22-5 | 72   |
| 4    |    |   | 5,6-Decanediol                      | 174 | C10H22O2 | 054884-84-3 | 72   |
| 5    |    |   | Cyclopropanecarboxylic acid,isop... | 128 | C7H12O2  | 006887-83-8 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
Data File : VN072775.D  
Acq On : 10 Jun 2022 19:25  
Operator : JC\MD  
Sample : N3293-19  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060822W.M  
Quant Title : SW846 8260

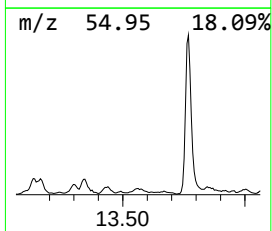
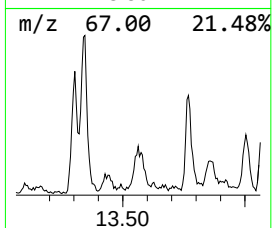
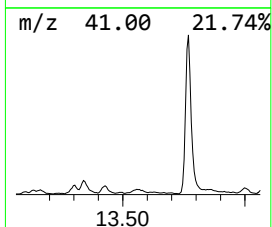
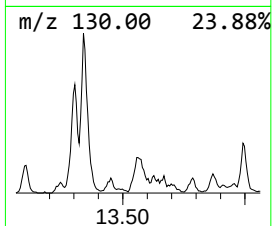
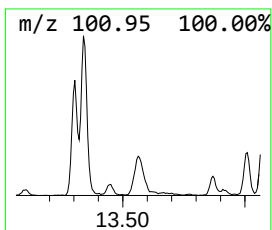
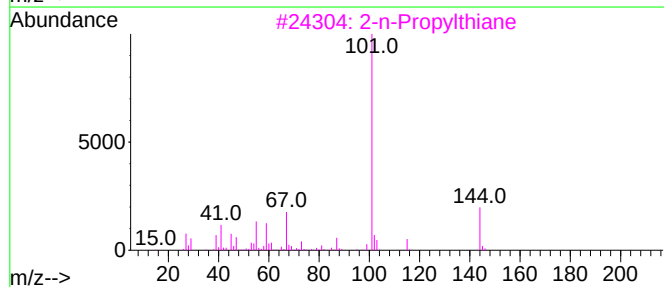
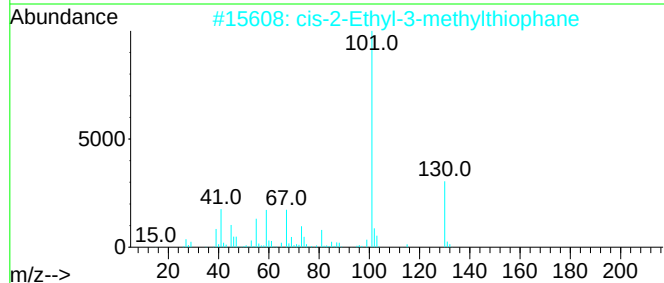
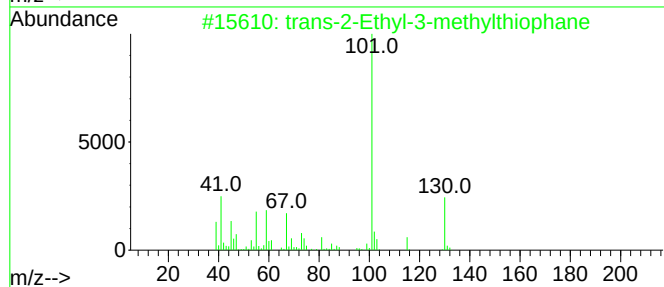
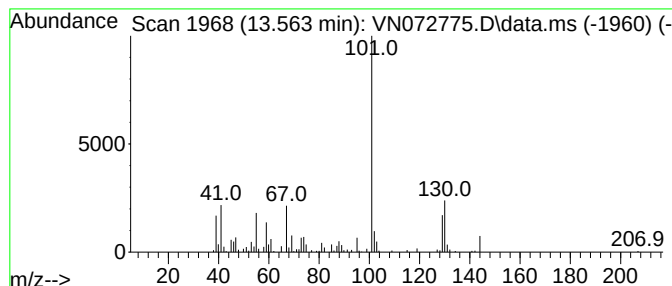
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 trans-2-Ethyl-3-methylthiop... Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.563 | 14.81 ug/l | 304774 | 1,4-Dichlorobenzene-d4 | 13.674 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | trans-2-Ethyl-3-methylthiophane     | 130 | C7H14S   | 061568-36-3  | 81   |
| 2    |    |   | cis-2-Ethyl-3-methylthiophane       | 130 | C7H14S   | 061568-37-4  | 81   |
| 3    |    |   | 2-n-Propylthiane                    | 144 | C8H16S   | 017912-23-1  | 64   |
| 4    |    |   | 2-methyl-2-(2-methyl-3-thienylth... | 230 | C10H14S3 | 1000365-97-2 | 64   |
| 5    |    |   | 2-Cyclohexylthiacyclohexane         | 184 | C11H20S  | 001622-08-8  | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
Data File : VN072775.D  
Acq On : 10 Jun 2022 19:25  
Operator : JC\MD  
Sample : N3293-19  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
30986

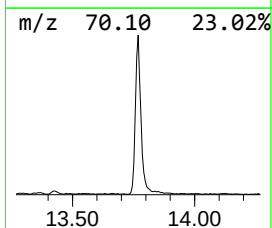
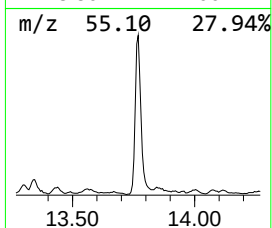
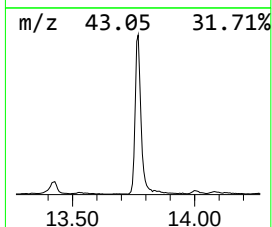
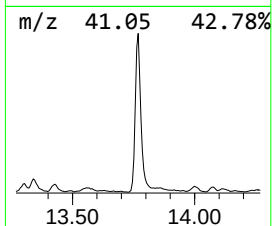
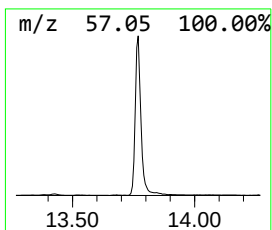
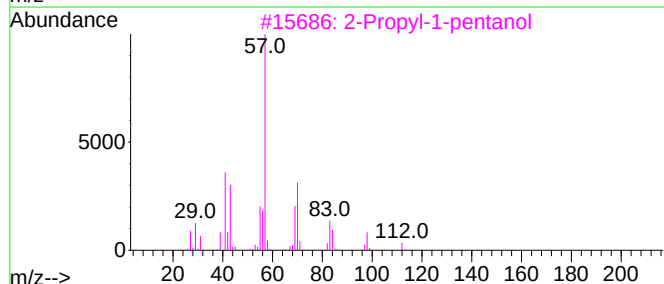
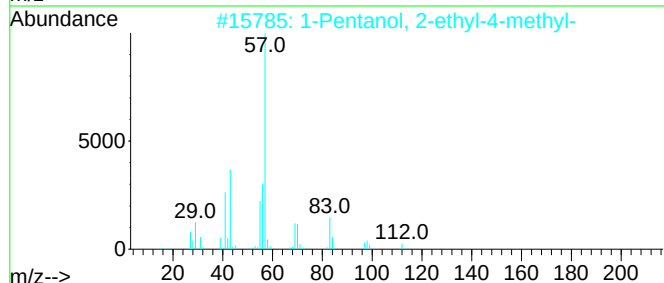
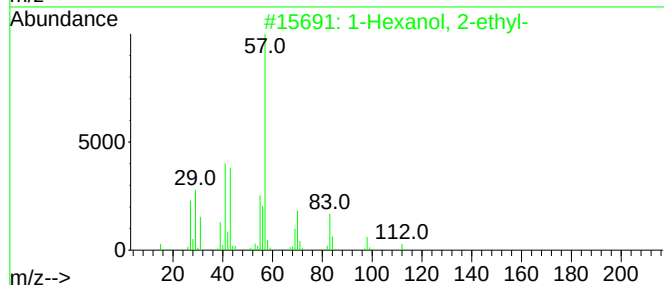
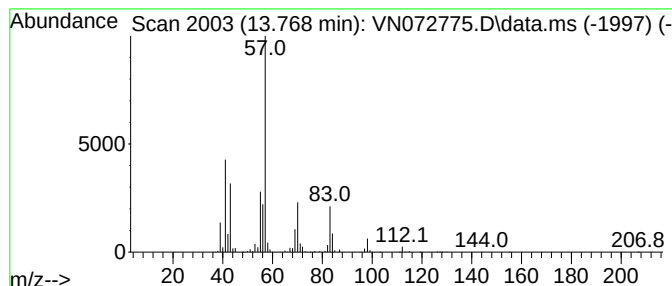
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Quant Title : SW846 8260

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

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Peak Number 8 1-Hexanol, 2-ethyl- Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.769 | 201.68 ug/l | 4151320 | 1,4-Dichlorobenzene-d4 | 13.674 |

| Hit# | of 5 | Tentative ID                      | MW  | MolForm | CAS#         | Qual |
|------|------|-----------------------------------|-----|---------|--------------|------|
| 1    |      | 1-Hexanol, 2-ethyl-               | 130 | C8H18O  | 000104-76-7  | 83   |
| 2    |      | 1-Pentanol, 2-ethyl-4-methyl-     | 130 | C8H18O  | 000106-67-2  | 56   |
| 3    |      | 2-Propyl-1-pentanol               | 130 | C8H18O  | 058175-57-8  | 50   |
| 4    |      | 2-Ethyl-1-hexanol, methyl ether   | 144 | C9H20O  | 1000365-10-2 | 47   |
| 5    |      | 2-Propyl-1-pentanol, methyl ether | 144 | C9H20O  | 1000365-12-6 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
Data File : VN072775.D  
Acq On : 10 Jun 2022 19:25  
Operator : JC\MD  
Sample : N3293-19  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
30986

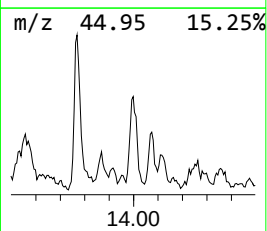
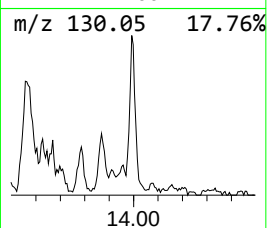
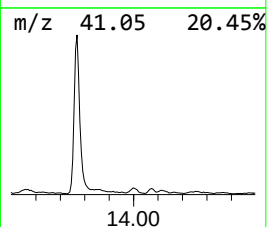
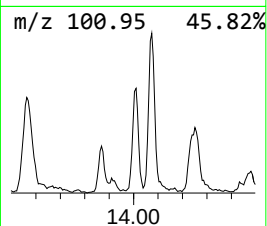
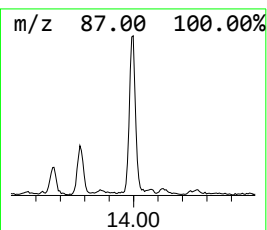
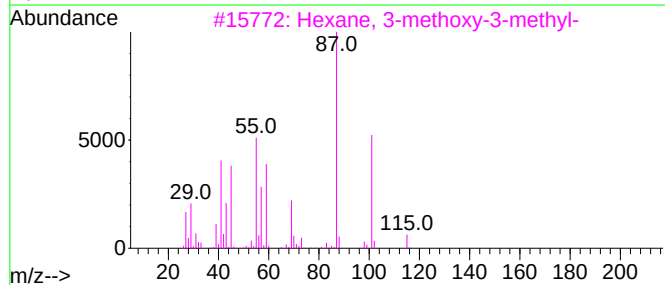
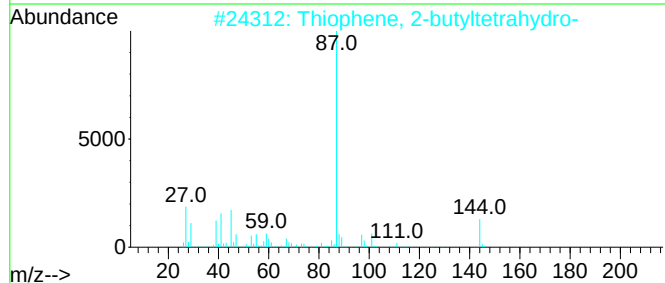
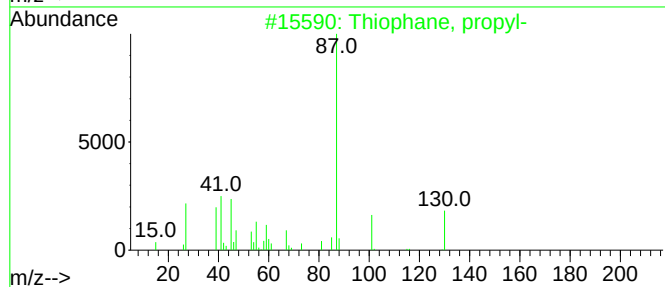
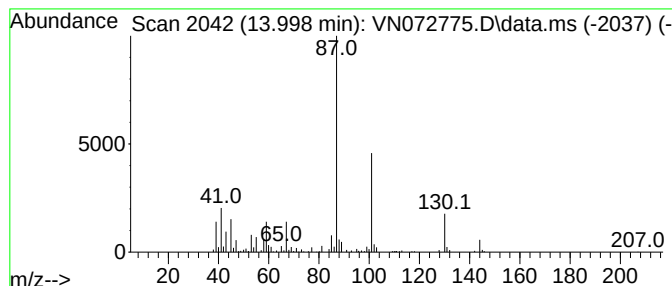
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Quant Title : SW846 8260

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

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Peak Number 9 Thiophane, propyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.998 | 15.28 ug/l | 314471 | 1,4-Dichlorobenzene-d4 | 13.674 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Thiophane, propyl-                  | 130 | C7H14S   | 001551-34-4 | 58   |
| 2    |    |   | Thiophene, 2-butyltetrahydro-       | 144 | C8H16S   | 001613-49-6 | 50   |
| 3    |    |   | Hexane, 3-methoxy-3-methyl-         | 130 | C8H18O   | 074630-91-4 | 50   |
| 4    |    |   | Tetrahydrothiophene-2-carboxylic... | 146 | C6H10O2S | 113990-87-7 | 47   |
| 5    |    |   | 1,3-Dioxolane, 2-methyl-2-pentyl-   | 158 | C9H18O2  | 004352-95-8 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
Data File : VN072775.D  
Acq On : 10 Jun 2022 19:25  
Operator : JC\MD  
Sample : N3293-19  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
30986

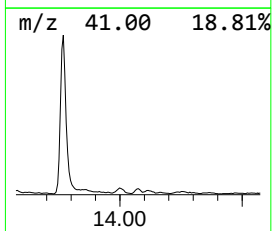
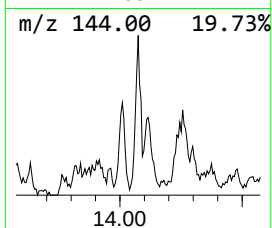
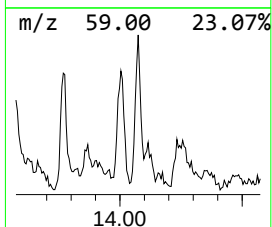
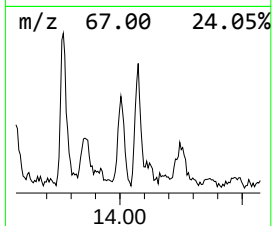
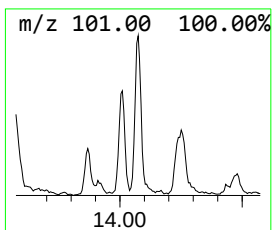
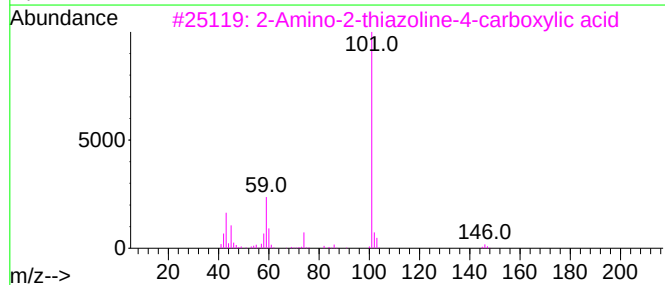
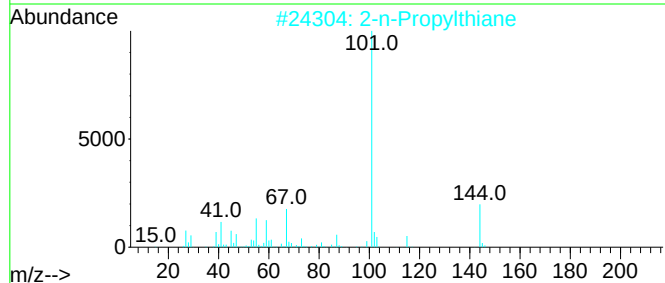
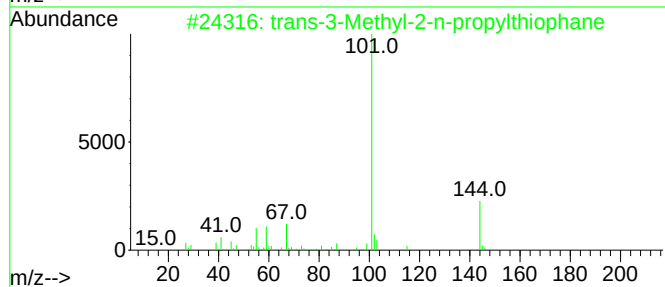
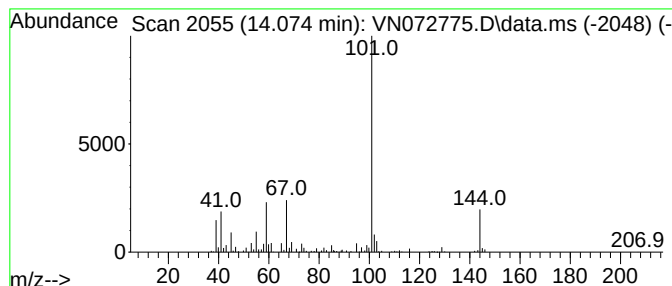
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Quant Title : SW846 8260

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

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Peak Number 10 trans-3-Methyl-2-n-propylth... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.074 | 14.31 ug/l | 294460 | 1,4-Dichlorobenzene-d4 | 13.674 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | trans-3-Methyl-2-n-propylthiophane  | 144 | C8H16S    | 118068-75-0 | 91   |
| 2    |    |   | 2-n-Propylthiane                    | 144 | C8H16S    | 017912-23-1 | 83   |
| 3    |    |   | 2-Amino-2-thiazoline-4-carboxyli... | 146 | C4H6N2O2S | 002150-55-2 | 52   |
| 4    |    |   | cis-2-Ethyl-3-methylthiophane       | 130 | C7H14S    | 061568-37-4 | 45   |
| 5    |    |   | trans-2-Ethyl-3-methylthiophane     | 130 | C7H14S    | 061568-36-3 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
Data File : VN072775.D  
Acq On : 10 Jun 2022 19:25  
Operator : JC\MD  
Sample : N3293-19  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
30986

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060822W.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 |
| Methyl propionate  | 7.839  | 21.9    | ug/l  | 263171   | 1                     | 8.081  | 600420  | 50.0 |
| Thiophene, tetr... | 11.222 | 22.0    | ug/l  | 524917   | 3                     | 11.745 | 1194360 | 50.0 |
| Thiophene, tetr... | 12.092 | 15.7    | ug/l  | 374622   | 3                     | 11.745 | 1194360 | 50.0 |
| Thiophene, 2-et... | 13.004 | 43.1    | ug/l  | 887427   | 4                     | 13.674 | 1029190 | 50.0 |
| cis-2-Ethyl-3-m... | 13.304 | 26.8    | ug/l  | 550851   | 4                     | 13.674 | 1029190 | 50.0 |
| 4-Heptanol, 2,6... | 13.427 | 13.5    | ug/l  | 278075   | 4                     | 13.674 | 1029190 | 50.0 |
| trans-2-Ethyl-3... | 13.563 | 14.8    | ug/l  | 304774   | 4                     | 13.674 | 1029190 | 50.0 |
| 1-Hexanol, 2-et... | 13.769 | 201.7   | ug/l  | 4151320  | 4                     | 13.674 | 1029190 | 50.0 |
| Thiophane, propyl- | 13.998 | 15.3    | ug/l  | 314471   | 4                     | 13.674 | 1029190 | 50.0 |
| trans-3-Methyl-... | 14.074 | 14.3    | ug/l  | 294460   | 4                     | 13.674 | 1029190 | 50.0 |