

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\  
 Data File : VX004704.D  
 Acq On : 19 Sep 2018 14:32  
 Operator : JC/MD  
 Sample : J4939-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
 Title : SW846 8260

Signal : TIC

| 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         | 1.404       | 36            | 41          | 45           | rBV      | 46130          | 50398         | 4.08%           | 0.584%        |
| 2         | 1.447       | 45            | 48          | 53           | rVB2     | 14551          | 18340         | 1.49%           | 0.213%        |
| 3         | 1.690       | 85            | 88          | 100          | rVB2     | 33848          | 54114         | 4.38%           | 0.627%        |
| 4         | 1.959       | 128           | 132         | 138          | rVV      | 15152          | 20547         | 1.66%           | 0.238%        |
| 5         | 2.044       | 142           | 146         | 152          | rVB      | 10834          | 15414         | 1.25%           | 0.179%        |
| 6         | 2.190       | 164           | 170         | 178          | rVB      | 48618          | 80844         | 6.55%           | 0.937%        |
| 7         | 2.373       | 193           | 200         | 208          | rBV      | 575914         | 893917        | 72.39%          | 10.360%       |
| 8         | 2.611       | 234           | 239         | 247          | rVB2     | 17510          | 31839         | 2.58%           | 0.369%        |
| 9         | 3.696       | 406           | 417         | 429          | rVB2     | 127606         | 314630        | 25.48%          | 3.647%        |
| 10        | 4.598       | 554           | 565         | 578          | rBV2     | 65270          | 175645        | 14.22%          | 2.036%        |
| 11        | 5.507       | 702           | 714         | 728          | rBV      | 157472         | 445303        | 36.06%          | 5.161%        |
| 12        | 5.659       | 728           | 739         | 759          | rVB2     | 221203         | 627053        | 50.78%          | 7.268%        |
| 13        | 6.068       | 794           | 806         | 815          | rBV      | 151980         | 394537        | 31.95%          | 4.573%        |
| 14        | 6.196       | 823           | 827         | 838          | rVB2     | 9195           | 21573         | 1.75%           | 0.250%        |
| 15        | 6.379       | 844           | 857         | 873          | rBV2     | 73760          | 200673        | 16.25%          | 2.326%        |
| 16        | 6.860       | 926           | 936         | 953          | rBV      | 328504         | 786957        | 63.72%          | 9.121%        |
| 17        | 7.214       | 985           | 994         | 997          | rBV2     | 7370           | 15614         | 1.26%           | 0.181%        |
| 18        | 7.263       | 997           | 1002        | 1010         | rVB      | 19175          | 40787         | 3.30%           | 0.473%        |
| 19        | 7.750       | 1074          | 1082        | 1095         | rVB      | 58744          | 113128        | 9.16%           | 1.311%        |
| 20        | 8.043       | 1123          | 1130        | 1140         | rVB      | 63817          | 115027        | 9.31%           | 1.333%        |
| 21        | 8.714       | 1233          | 1240        | 1250         | rBV      | 780205         | 1234944       | 100.00%         | 14.313%       |
| 22        | 9.793       | 1411          | 1417        | 1425         | rBV      | 69731          | 96112         | 7.78%           | 1.114%        |
| 23        | 10.036      | 1452          | 1457        | 1464         | rVB      | 9816           | 13052         | 1.06%           | 0.151%        |
| 24        | 10.116      | 1464          | 1470        | 1479         | rBV      | 694782         | 924315        | 74.85%          | 10.713%       |
| 25        | 11.140      | 1632          | 1638        | 1653         | rBV      | 703471         | 875224        | 70.87%          | 10.144%       |
| 26        | 12.079      | 1786          | 1792        | 1801         | rBV      | 839171         | 1024836       | 82.99%          | 11.878%       |
| 27        | 12.304      | 1825          | 1829        | 1836         | rVB2     | 9923           | 13124         | 1.06%           | 0.152%        |
| 28        | 13.353      | 1997          | 2001        | 2007         | rVB      | 13968          | 17212         | 1.39%           | 0.199%        |
| 29        | 16.176      | 2458          | 2464        | 2472         | rBV6     | 6304           | 12993         | 1.05%           | 0.151%        |

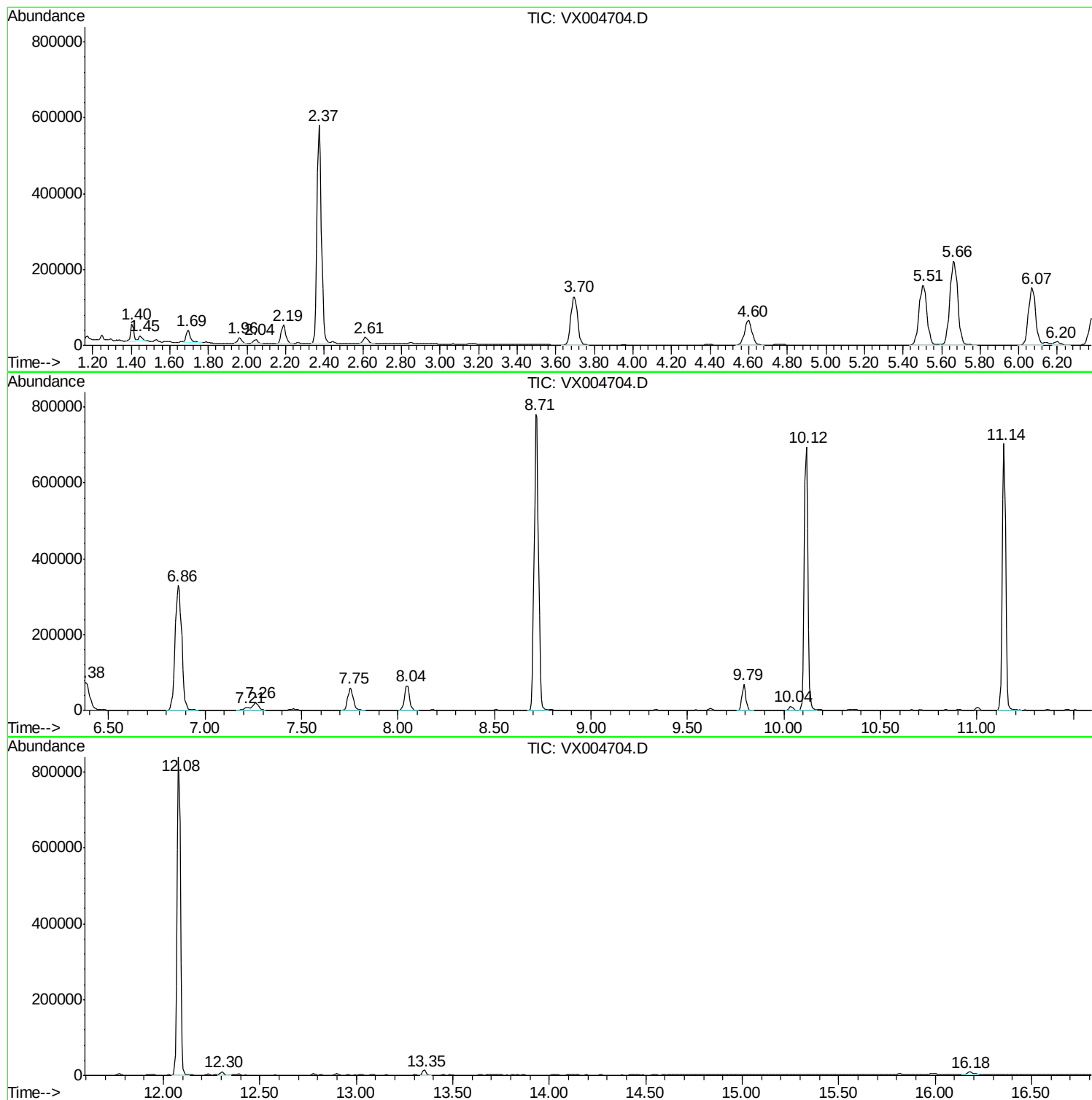
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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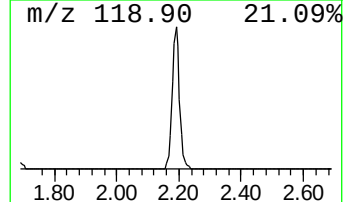
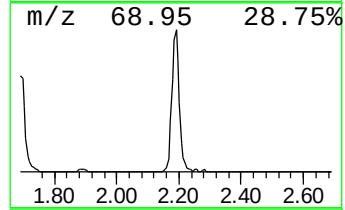
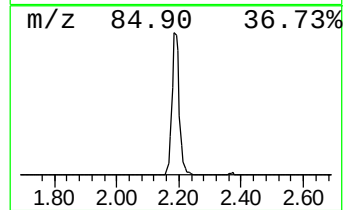
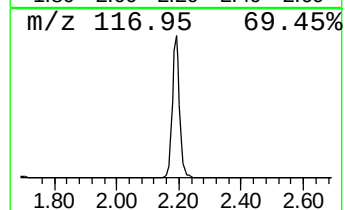
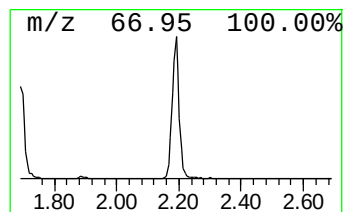
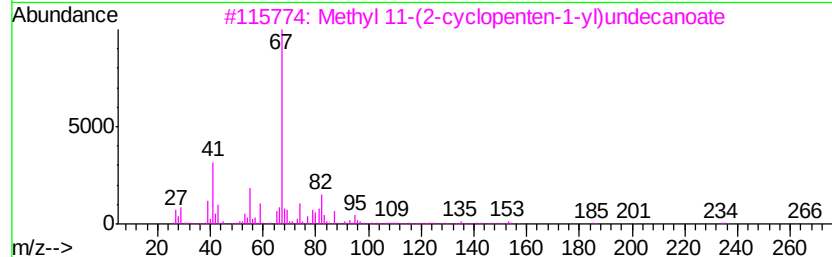
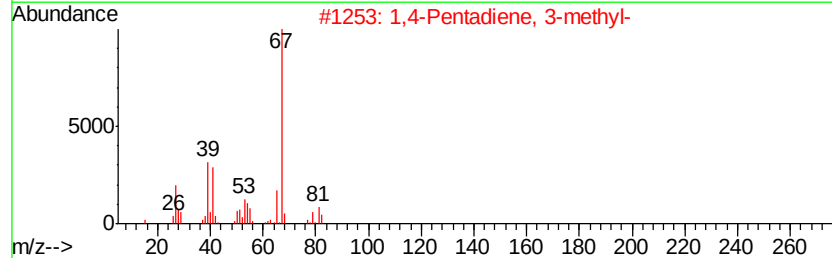
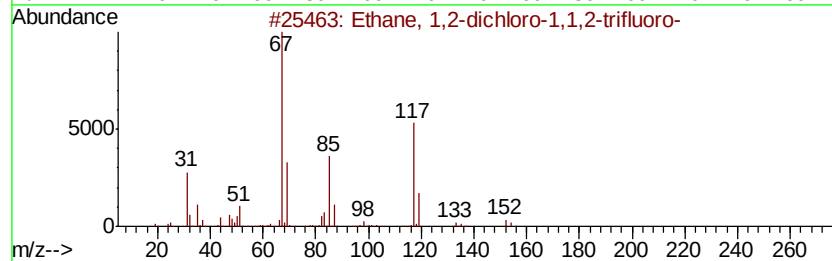
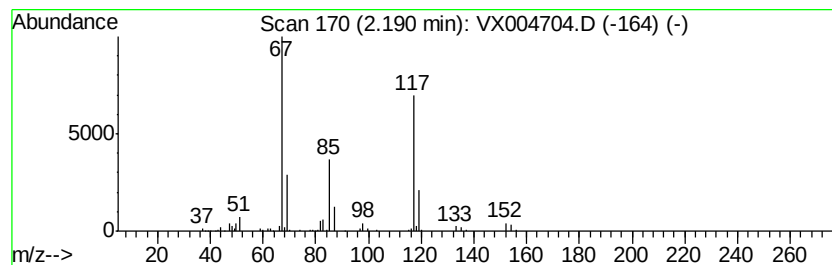
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Ethane, 1,2-dichloro-1,1,2-... Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD   | R.T. |
|------|-----------|-------|--------------------|------|
| 2.19 | 6.45 ug/l | 80844 | Pentafluorobenzene | 5.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|-------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | Ethane, 1,2-dichloro-1,1,2-trifl... | 152 | C2HCl2F3     | 000354-23-4 | 91   |
| 2    |    | 1,4-Pentadiene, 3-methyl-           | 82  | C6H10        | 001115-08-8 | 9    |
| 3    |    | Methyl 11-(2-cyclopenten-1-yl)un... | 266 | C17H30O2     | 024828-56-6 | 9    |
| 4    |    | Carbon Tetrachloride                | 152 | CCl4         | 000056-23-5 | 9    |
| 5    |    | 2,2,2-Trifluoroethyl trichlorome... | 280 | C3H2Cl3F3O3S | 023199-56-6 | 9    |



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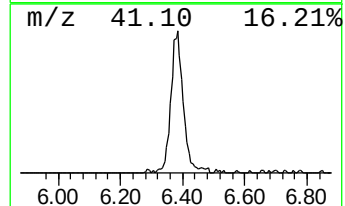
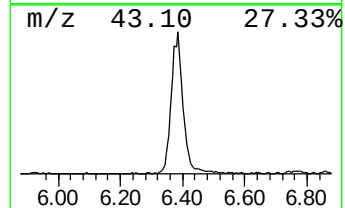
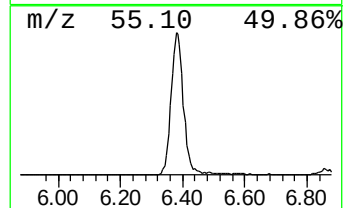
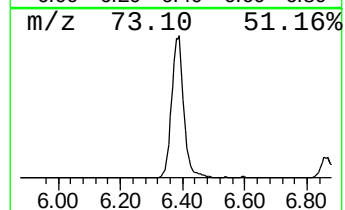
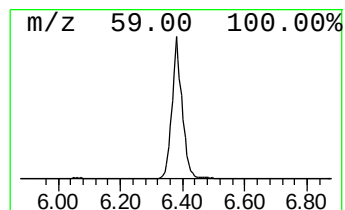
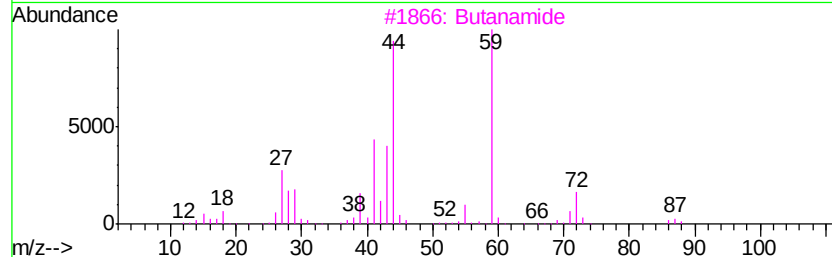
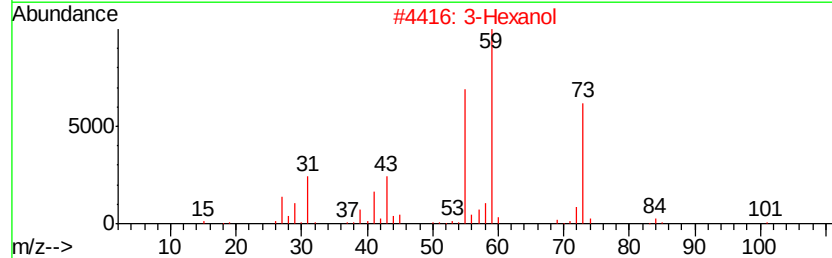
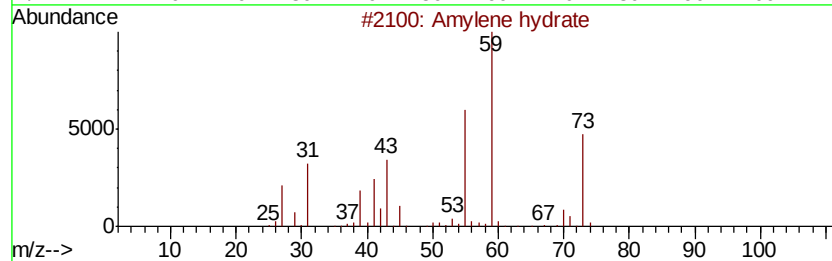
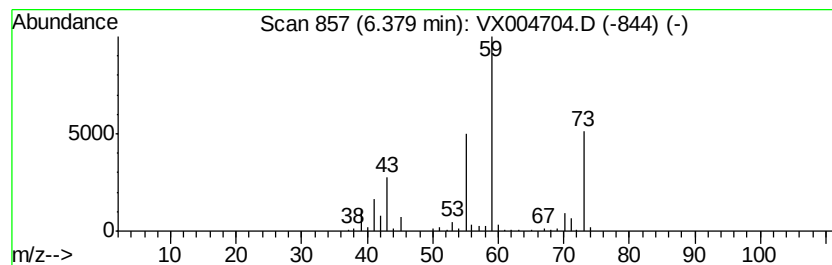
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Amylene hydrate Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 6.38 | 12.75 ug/l | 200673 | 1,4-Difluorobenzene | 6.86 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Amylene hydrate                     | 88  | C5H12O  | 000075-85-4 | 83   |
| 2       |   | 3-Hexanol                           | 102 | C6H14O  | 000623-37-0 | 39   |
| 3       |   | Butanamide                          | 87  | C4H9NO  | 000541-35-5 | 9    |
| 4       |   | Propanoic acid, 2-hydroxy-2-meth... | 118 | C5H10O3 | 002110-78-3 | 9    |
| 5       |   | 3-Pentanol, 2-methyl-               | 102 | C6H14O  | 000565-67-3 | 9    |



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Quant Title : SW846 8260

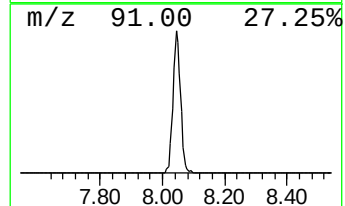
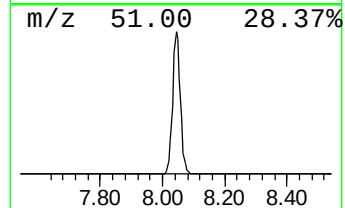
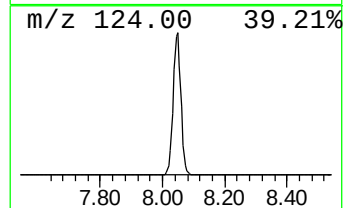
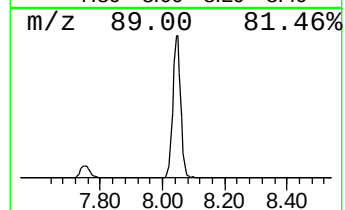
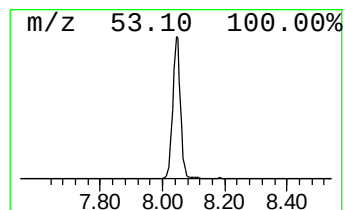
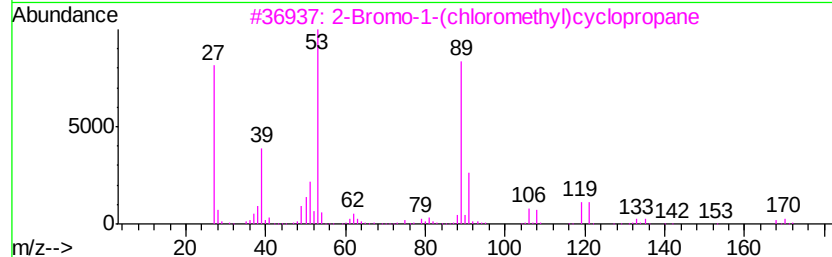
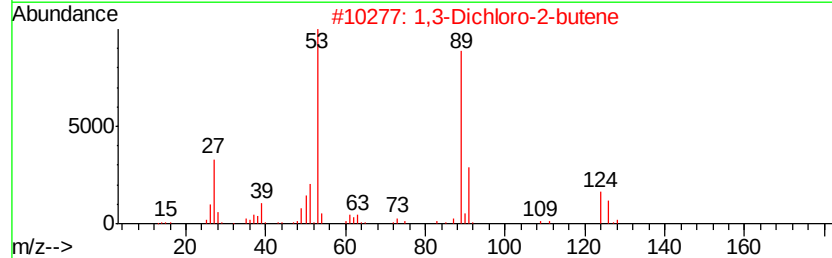
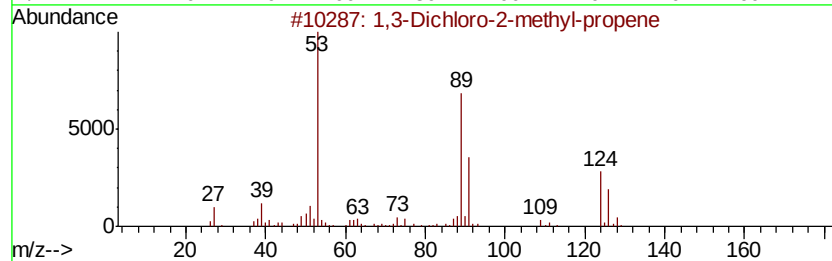
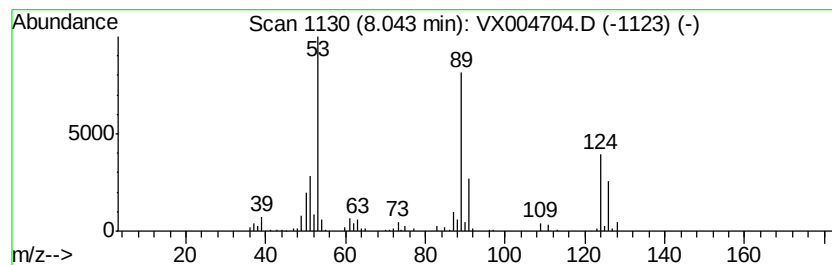
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Peak Number 3 1,3-Dichloro-2-methyl-propene Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 8.04 | 7.31 ug/l | 115027 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1,3-Dichloro-2-methyl-propene        | 124 | C4H6Cl2  | 1000194-02-2 | 90   |
| 2    |    |   | 1,3-Dichloro-2-butene                | 124 | C4H6Cl2  | 000926-57-8  | 78   |
| 3    |    |   | 2-Bromo-1-(chloromethyl)cyclopropane | 168 | C4H6BrCl | 1000222-15-8 | 72   |
| 4    |    |   | 1-Butyne, 3-methyl-                  | 68  | C5H8     | 000598-23-2  | 35   |
| 5    |    |   | 2-Butyne, 1-chloro-                  | 88  | C4H5Cl   | 003355-17-7  | 35   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Ethane, 1,2-dichl... | 2.19 | 6.5     | ug/l  | 80844    | 1                     | 5.66 | 627053 | 50.0 |
| Amylene hydrate      | 6.38 | 12.8    | ug/l  | 200673   | 2                     | 6.86 | 786957 | 50.0 |
| 1,3-Dichloro-2-me... | 8.04 | 7.3     | ug/l  | 115027   | 2                     | 6.86 | 786957 | 50.0 |