

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110822\  
 Data File : VX032656.D  
 Acq On : 08 Nov 2022 16:03  
 Operator : JC/MD  
 Sample : N5415-15  
 Misc : 5.07g/10ml/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 R-28

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\_X\Method\82X102622W.M  
 Title : SW846 8260

Signal : TIC: VX032656.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         | 1.416       | 50            | 54          | 58           | rBV      | 6794           | 7648          | 1.41%           | 0.198%        |
| 2         | 1.746       | 104           | 108         | 114          | rVB      | 5057           | 7517          | 1.38%           | 0.195%        |
| 3         | 2.782       | 270           | 278         | 284          | rBV4     | 4425           | 9865          | 1.81%           | 0.256%        |
| 4         | 3.111       | 322           | 332         | 346          | rBV      | 240345         | 542809        | 99.85%          | 14.065%       |
| 5         | 3.757       | 428           | 438         | 453          | rBV      | 29497          | 78637         | 14.47%          | 2.038%        |
| 6         | 5.385       | 694           | 705         | 722          | rBV2     | 65214          | 189670        | 34.89%          | 4.915%        |
| 7         | 5.550       | 722           | 732         | 747          | rVV      | 107853         | 303400        | 55.81%          | 7.862%        |
| 8         | 5.958       | 789           | 799         | 810          | rBV      | 70606          | 189224        | 34.81%          | 4.903%        |
| 9         | 6.086       | 810           | 820         | 833          | rVB2     | 43070          | 117716        | 21.65%          | 3.050%        |
| 10        | 6.251       | 837           | 847         | 856          | rBV2     | 6442           | 19874         | 3.66%           | 0.515%        |
| 11        | 6.763       | 920           | 931         | 945          | rBV      | 168850         | 398114        | 73.24%          | 10.316%       |
| 12        | 7.988       | 1125          | 1132        | 1139         | rBB2     | 4915           | 9976          | 1.84%           | 0.259%        |
| 13        | 8.110       | 1146          | 1152        | 1161         | rVB5     | 6137           | 12737         | 2.34%           | 0.330%        |
| 14        | 8.647       | 1230          | 1240        | 1250         | rBV      | 338702         | 543604        | 100.00%         | 14.086%       |
| 15        | 8.958       | 1285          | 1291        | 1299         | rBV      | 32552          | 49380         | 9.08%           | 1.280%        |
| 16        | 9.049       | 1299          | 1306        | 1314         | rVB      | 37797          | 58071         | 10.68%          | 1.505%        |
| 17        | 10.055      | 1465          | 1471        | 1483         | rVB      | 353532         | 466668        | 85.85%          | 12.092%       |
| 18        | 11.079      | 1634          | 1639        | 1655         | rVB      | 319377         | 406107        | 74.71%          | 10.523%       |
| 19        | 12.024      | 1788          | 1794        | 1802         | rBV      | 358223         | 441344        | 81.19%          | 11.436%       |
| 20        | 12.701      | 1900          | 1905        | 1912         | rBV      | 5712           | 6802          | 1.25%           | 0.176%        |

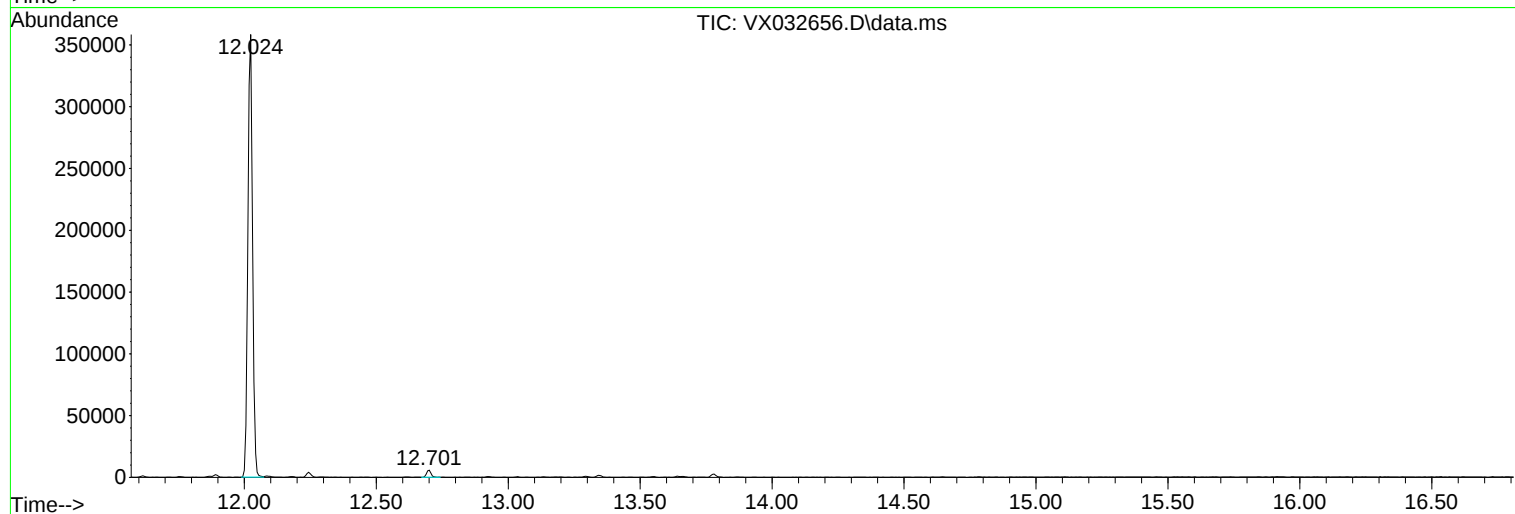
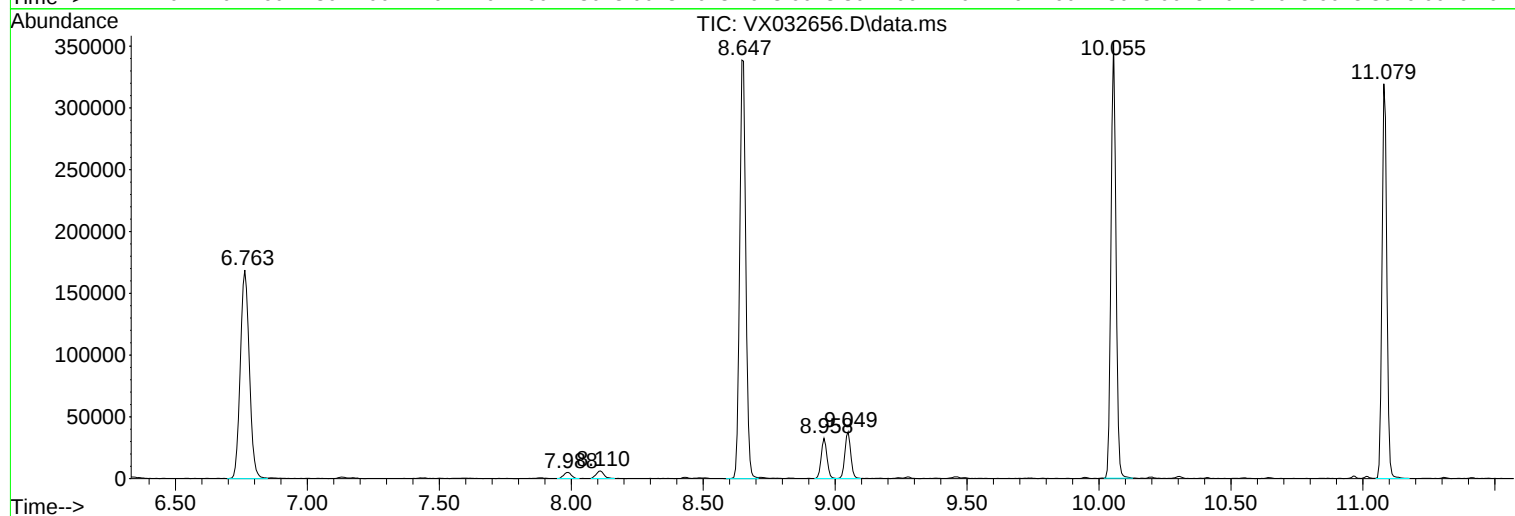
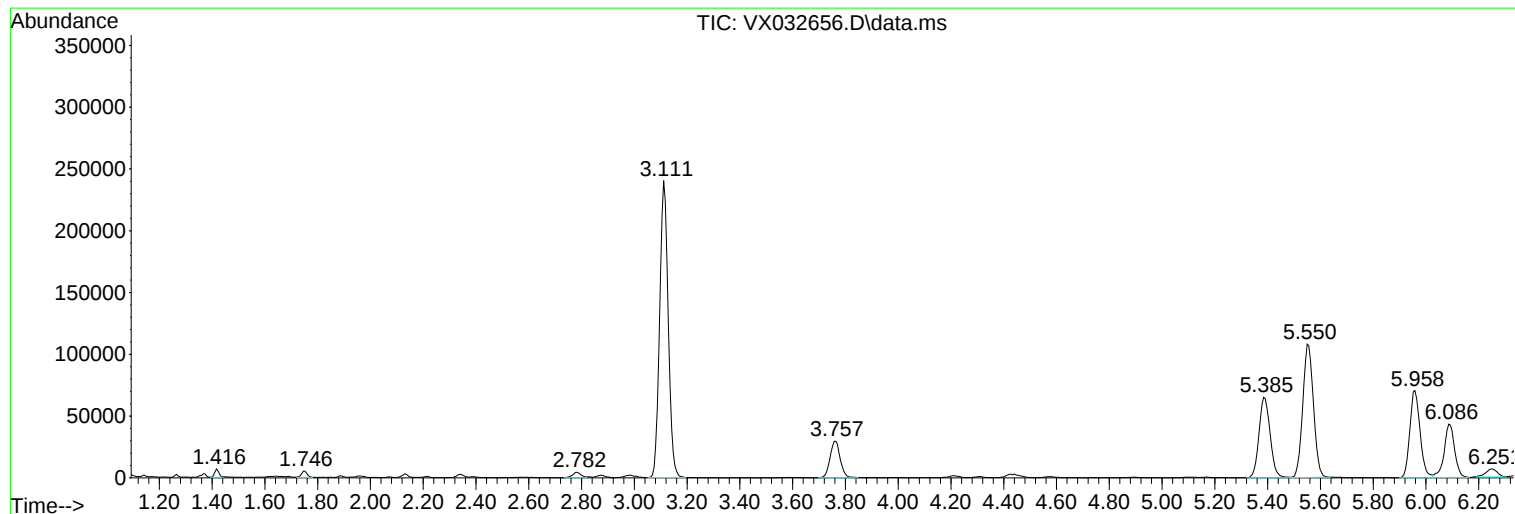
Sum of corrected areas: 3859163

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Instrument :  
MSVOA\_X  
ClientSampleId :  
R-28

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

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



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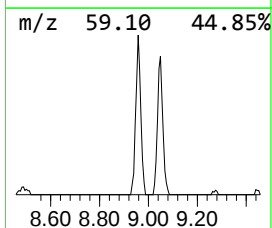
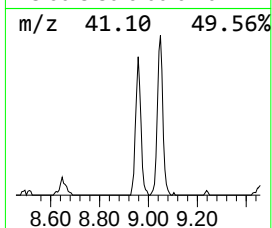
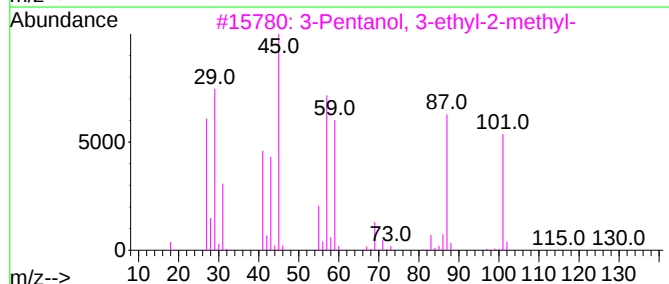
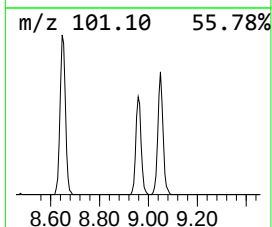
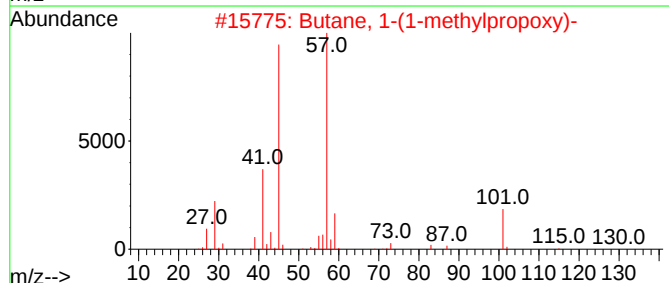
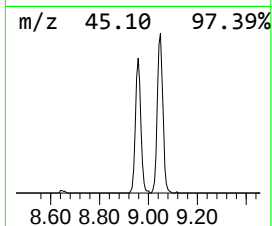
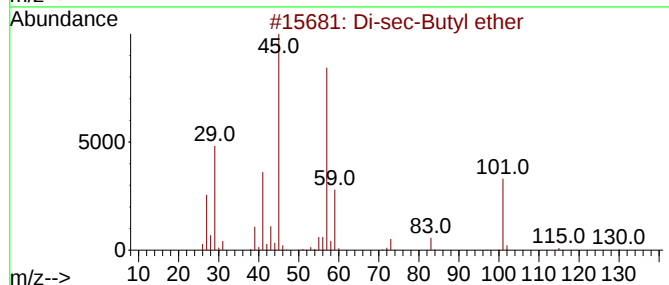
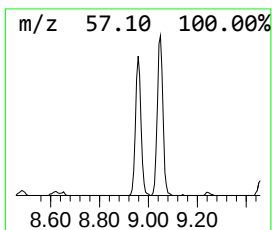
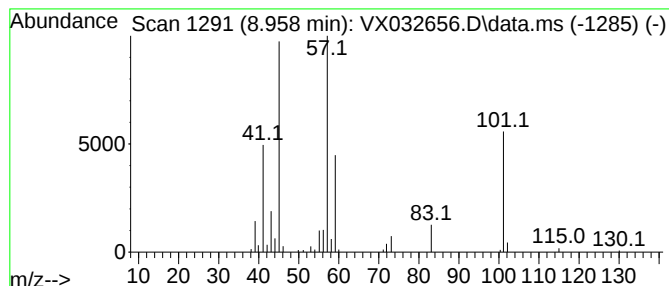
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Di-sec-Butyl ether Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.   |
|-------|-----------|-------|------------------|--------|
| 8.958 | 5.29 ug/l | 49380 | Chlorobenzene-d5 | 10.055 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Di-sec-Butyl ether                  | 130 | C8H18O    | 006863-58-7  | 91   |
| 2    |    |   | Butane, 1-(1-methylpropoxy)-        | 130 | C8H18O    | 000999-65-5  | 50   |
| 3    |    |   | 3-Pentanol, 3-ethyl-2-methyl-       | 130 | C8H18O    | 000597-05-7  | 50   |
| 4    |    |   | Sulfurous acid, di(2-methyl-4-me... | 282 | C12H26O5S | 1000309-20-7 | 38   |
| 5    |    |   | Carbonic acid, bis(1-methylpropy... | 174 | C9H18O3   | 000623-63-2  | 38   |



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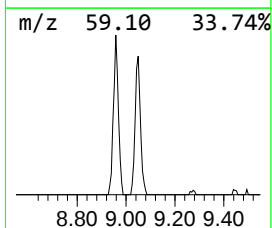
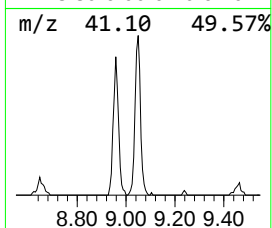
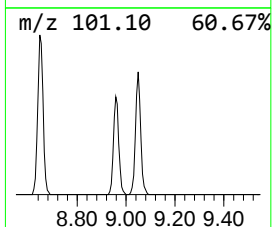
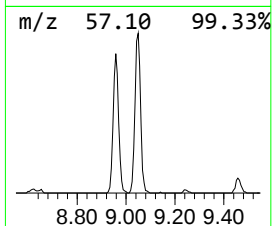
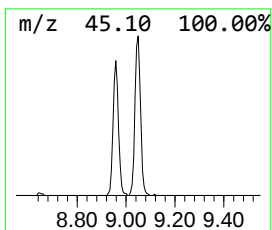
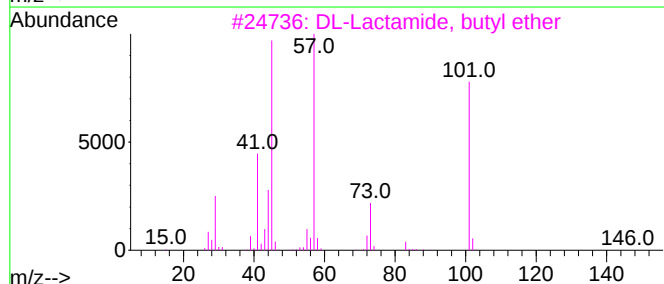
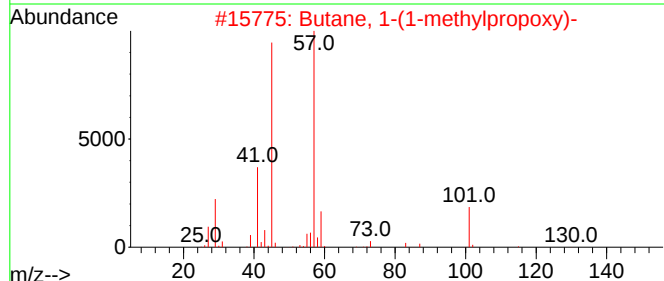
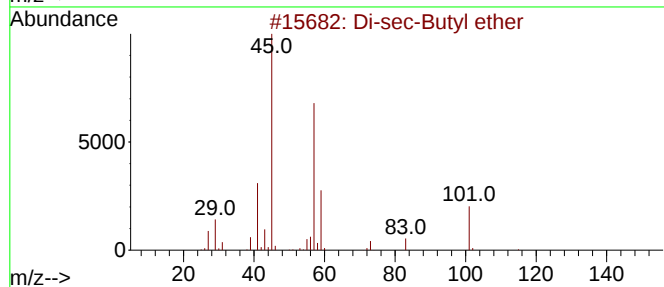
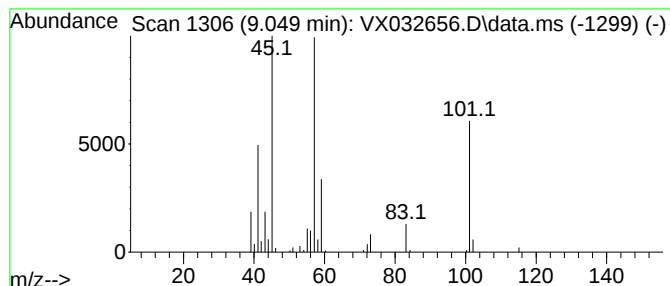
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Peak Number 2 Butane, 1-(1-methylpropoxy)- Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.   |
|-------|-----------|-------|------------------|--------|
| 9.049 | 6.22 ug/l | 58071 | Chlorobenzene-d5 | 10.055 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Di-sec-Butyl ether                  | 130 | C8H18O   | 006863-58-7  | 83   |
| 2    |    |   | Butane, 1-(1-methylpropoxy)-        | 130 | C8H18O   | 000999-65-5  | 64   |
| 3    |    |   | DL-Lactamide, butyl ether           | 145 | C7H15NO2 | 1000452-56-5 | 50   |
| 4    |    |   | 2-Pentanol, 4,4-dimethyl-           | 116 | C7H16O   | 006144-93-0  | 42   |
| 5    |    |   | 2-t-Butyl-5-methyl[1,3]dioxolan-... | 158 | C8H14O3  | 130930-47-1  | 38   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |       |         |       |          | #                     | RT     | Resp   | Conc |
| Di-sec-Butyl ether | 8.958 | 5.3     | ug/l  | 49380    | 3                     | 10.055 | 466668 | 50.0 |
| Butane, 1-(1-me... | 9.049 | 6.2     | ug/l  | 58071    | 3                     | 10.055 | 466668 | 50.0 |