

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012720\  
 Data File : VX014723.D  
 Acq On : 27 Jan 2020 13:57  
 Operator : JC/SP  
 Sample : L1236-01 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMP-1

## 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\82X012220W.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         | 1.070       | 26            | 30          | 43           | rBV      | 583227         | 742294        | 10.54%          | 3.252%        |
| 2         | 1.478       | 93            | 97          | 103          | rBV      | 6545286        | 7045523       | 100.00%         | 30.866%       |
| 3         | 1.533       | 103           | 106         | 124          | rVB      | 332367         | 849188        | 12.05%          | 3.720%        |
| 4         | 2.137       | 197           | 205         | 216          | rBV      | 763282         | 1279502       | 18.16%          | 5.605%        |
| 5         | 4.319       | 553           | 563         | 582          | rBV      | 328310         | 1101439       | 15.63%          | 4.825%        |
| 6         | 5.484       | 746           | 754         | 765          | rVB      | 237631         | 662103        | 9.40%           | 2.901%        |
| 7         | 5.648       | 770           | 781         | 797          | rVB      | 418989         | 1173020       | 16.65%          | 5.139%        |
| 8         | 6.051       | 836           | 847         | 858          | rBV      | 267939         | 690787        | 9.80%           | 3.026%        |
| 9         | 6.849       | 968           | 978         | 990          | rBV      | 660055         | 1522157       | 21.60%          | 6.668%        |
| 10        | 7.294       | 1045          | 1051        | 1068         | rBV      | 161625         | 362540        | 5.15%           | 1.588%        |
| 11        | 8.709       | 1276          | 1283        | 1291         | rBV      | 1380217        | 2118511       | 30.07%          | 9.281%        |
| 12        | 10.105      | 1507          | 1512        | 1525         | rVB      | 1337542        | 1862962       | 26.44%          | 8.162%        |
| 13        | 10.361      | 1547          | 1554        | 1559         | rBV      | 80955          | 116822        | 1.66%           | 0.512%        |
| 14        | 11.135      | 1675          | 1681        | 1687         | rBV      | 1136182        | 1481212       | 21.02%          | 6.489%        |
| 15        | 12.074      | 1830          | 1835        | 1844         | rBV      | 1506429        | 1818075       | 25.80%          | 7.965%        |

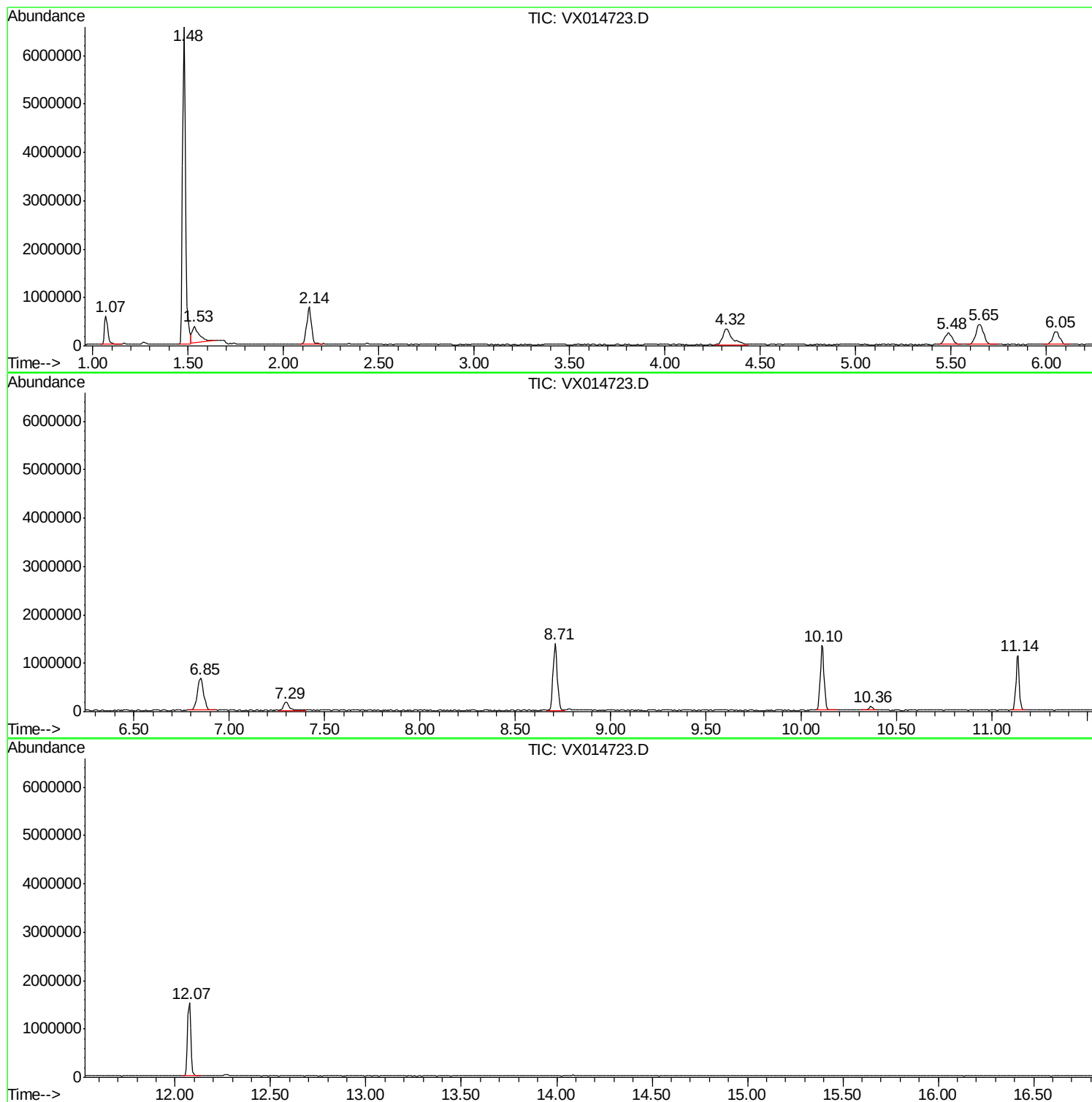
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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
Quant Title : SW846 8260

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



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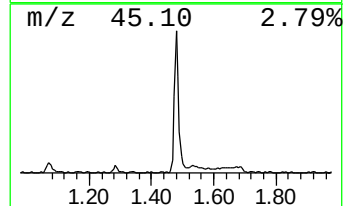
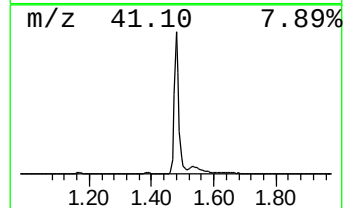
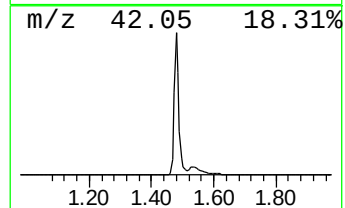
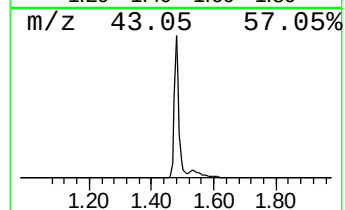
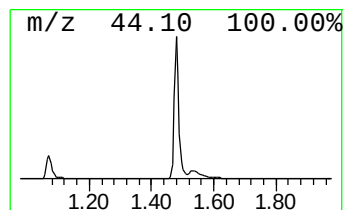
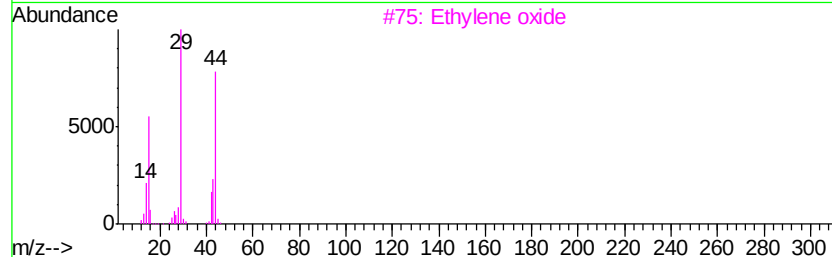
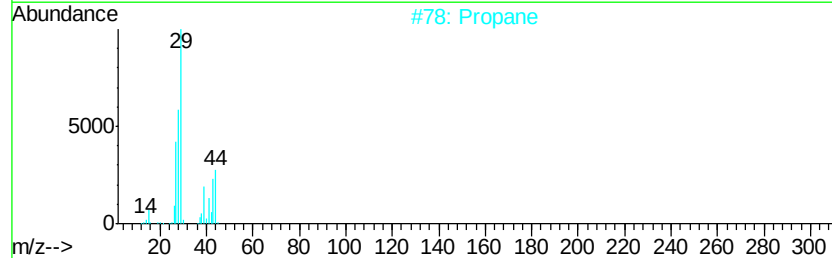
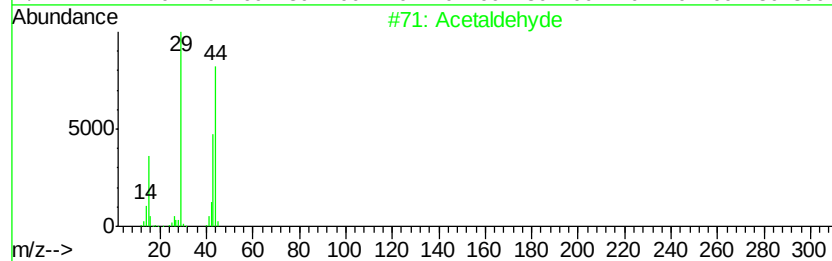
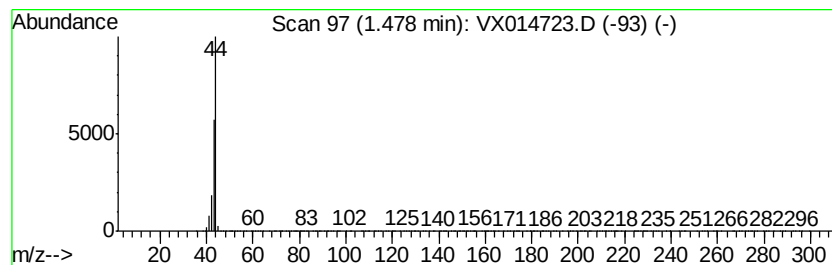
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Acetaldehyde Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 1.48 | 300.32 ug/l | 7045520 | Pentafluorobenzene | 5.65 |

| Hit# | of | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|----|--------------------|----|---------|-------------|------|
| 1    | 5  | Acetaldehydve      | 44 | C2H4O   | 000075-07-0 | 56   |
| 2    |    | Propane            | 44 | C3H8    | 000074-98-6 | 5    |
| 3    |    | Ethylene oxide     | 44 | C2H4O   | 000075-21-8 | 5    |
| 4    |    | Alanine            | 89 | C3H7NO2 | 000056-41-7 | 4    |
| 5    |    | 1,2-Propanediamine | 74 | C3H10N2 | 000078-90-0 | 4    |



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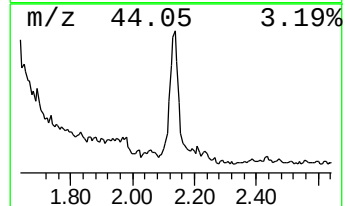
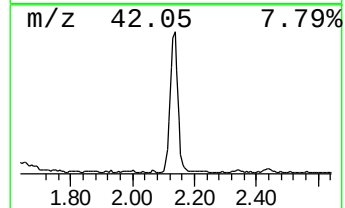
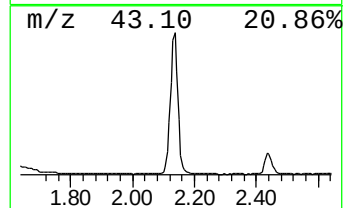
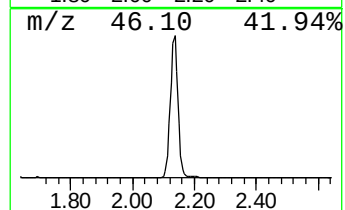
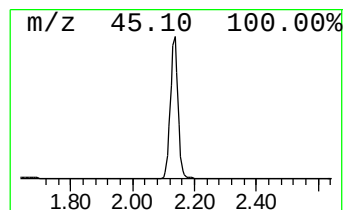
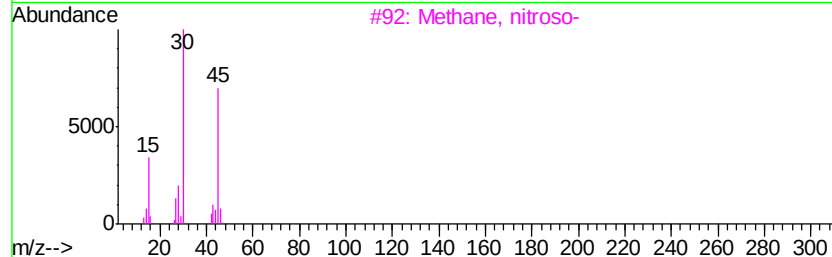
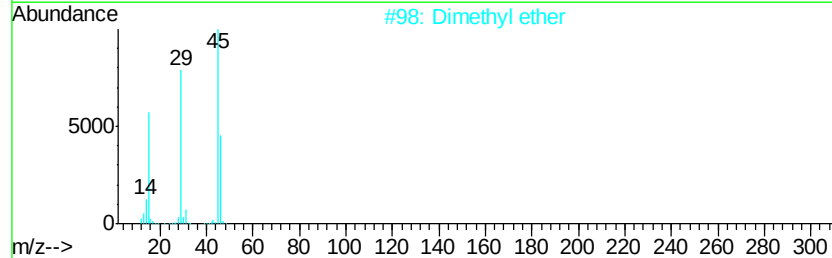
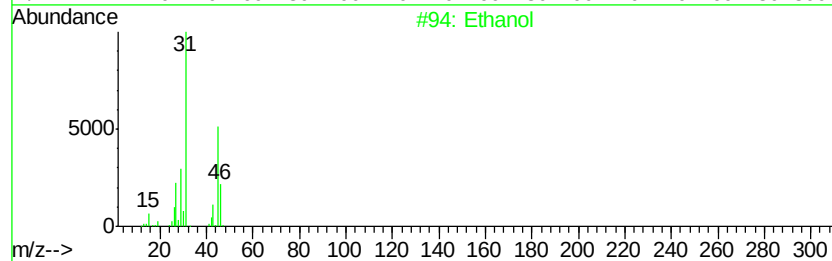
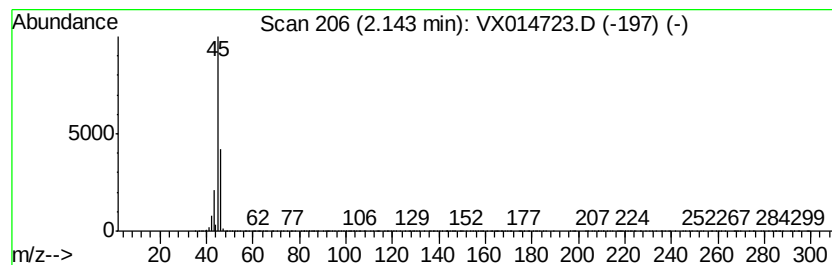
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
Quant Title : SW846 8260

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

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Peak Number 4 Ethanol Concentration Rank 2

| R.T.    | EstConc           | Area         | Relative to ISTD   | R.T.    |             |      |
|---------|-------------------|--------------|--------------------|---------|-------------|------|
| 2.14    | 54.54 ug/l        | 1279500      | Pentafluorobenzene | 5.65    |             |      |
| Hit# of | 5                 | Tentative ID | MW                 | MolForm | CAS#        | Qual |
| 1       | Ethanol           |              | 46                 | C2H6O   | 000064-17-5 | 64   |
| 2       | Dimethyl ether    |              | 46                 | C2H6O   | 000115-10-6 | 9    |
| 3       | Methane, nitroso- |              | 45                 | CH3NO   | 000865-40-7 | 4    |
| 4       | Formic acid       |              | 46                 | CH2O2   | 000064-18-6 | 4    |
| 5       | Oxalic acid       |              | 90                 | C2H2O4  | 000144-62-7 | 4    |



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
Quant Title : SW846 8260

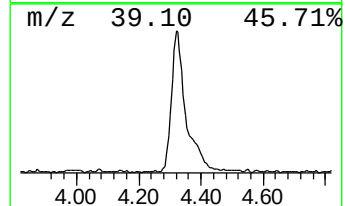
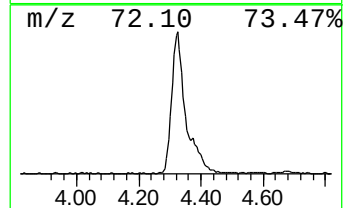
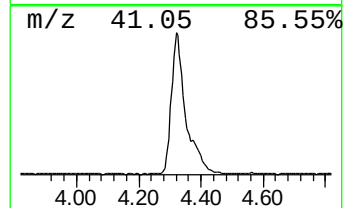
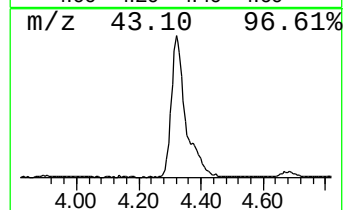
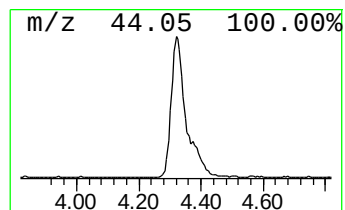
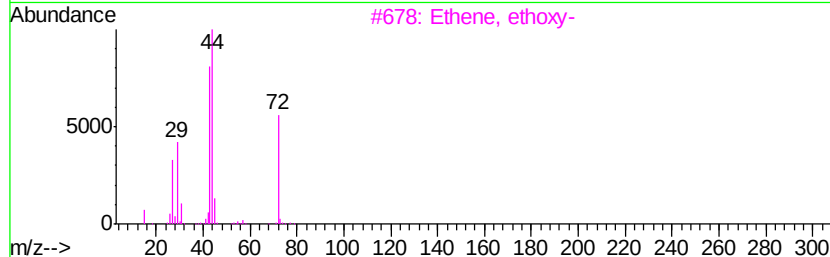
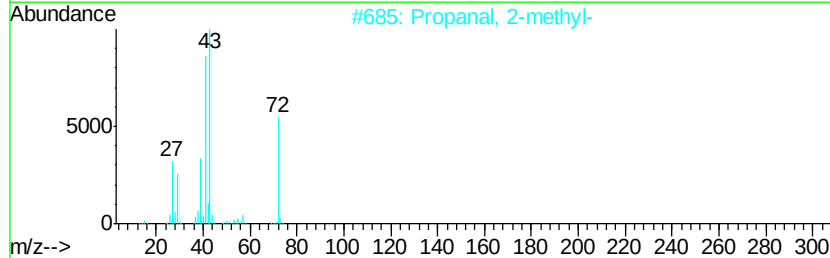
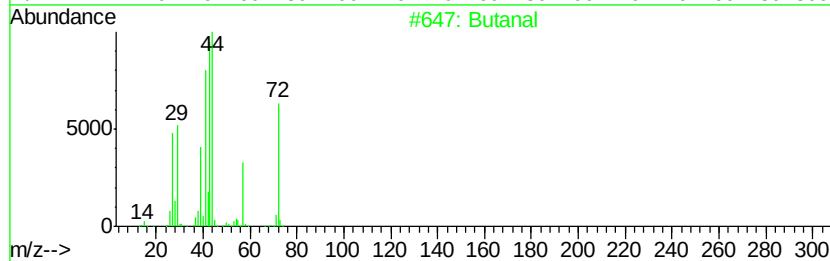
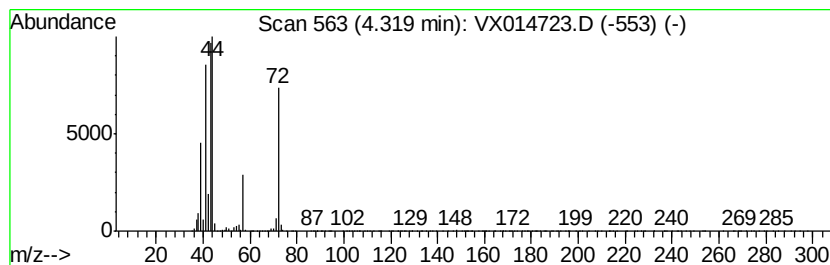
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Butanal Concentration Rank 3

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 4.32 | 46.95 ug/l | 1101440 | Pentafluorobenzene | 5.65 |

| Hit# of | 5                     | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|----|---------|-------------|------|
| 1       | Butanal               |              | 72 | C4H8O   | 000123-72-8 | 91   |
| 2       | Propanal, 2-methyl-   |              | 72 | C4H8O   | 000078-84-2 | 58   |
| 3       | Ethene, ethoxy-       |              | 72 | C4H8O   | 000109-92-2 | 53   |
| 4       | 1-Propene, 3-methoxy- |              | 72 | C4H8O   | 000627-40-7 | 38   |
| 5       | Isobutylene epoxide   |              | 72 | C4H8O   | 000558-30-5 | 35   |



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Instrument :  
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ClientSampleId :  
COMP-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
Quant Title : SW846 8260

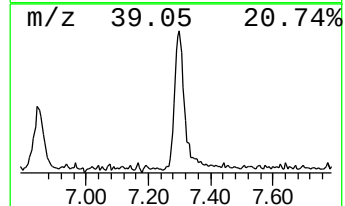
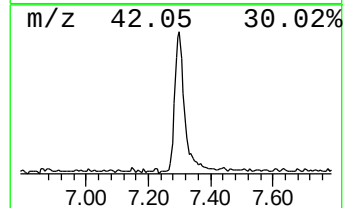
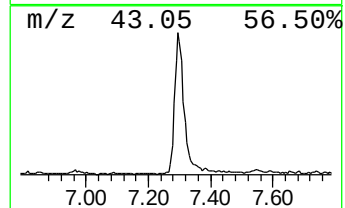
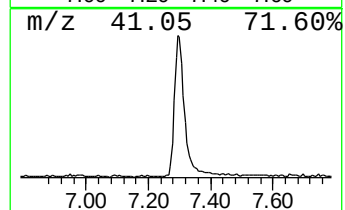
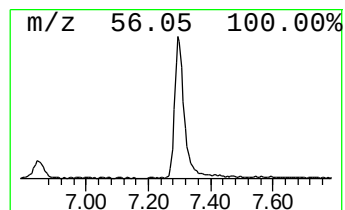
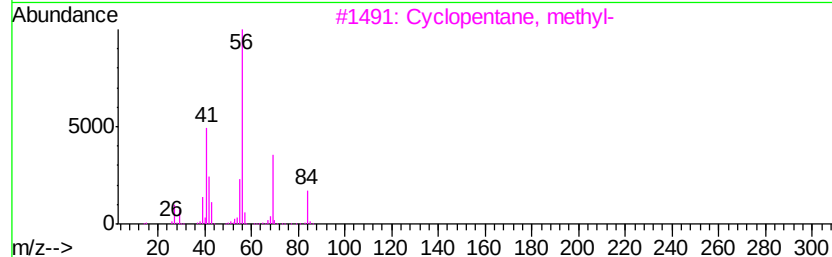
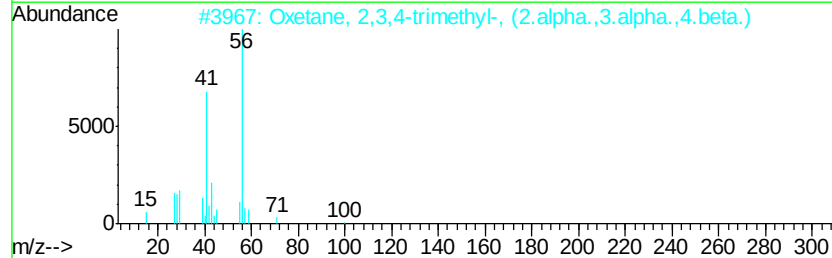
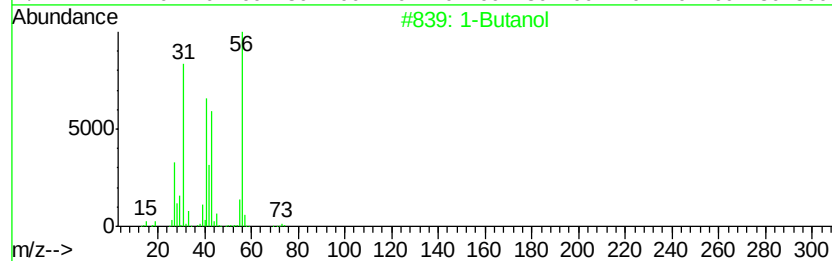
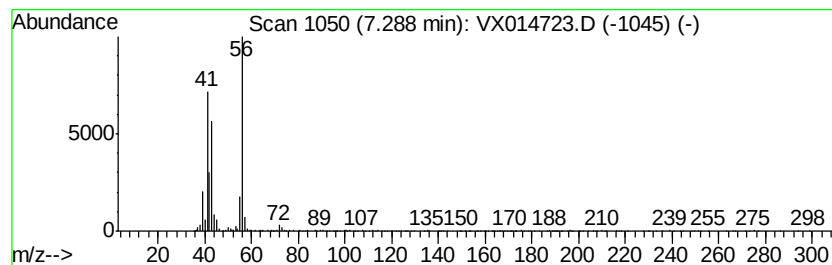
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 1-Butanol Concentration Rank 6

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 7.29 | 11.91 ug/l | 362540 | 1,4-Difluorobenzene | 6.85 |

| Hit# | of | Tentative ID                            | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Butanol                               | 74  | C4H10O  | 000071-36-3 | 80   |
| 2    |    | Oxetane, 2,3,4-trimethyl-, (2.alpha.... | 100 | C6H12O  | 032347-12-9 | 53   |
| 3    |    | Cyclopentane, methyl-                   | 84  | C6H12   | 000096-37-7 | 50   |
| 4    |    | Butane, 1-chloro-                       | 92  | C4H9Cl  | 000109-69-3 | 42   |
| 5    |    | 3,4-Dimethyldihydrofuran-2,5-dione      | 128 | C6H8O3  | 007475-92-5 | 40   |



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Quant Title : SW846 8260

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

| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| Acetaldehyde     | 1.48 | 300.3   | ug/l  | 7045520  | 1                     | 5.65 | 1173020 | 50.0 |
| Ethanol          | 2.14 | 54.5    | ug/l  | 1279500  | 1                     | 5.65 | 1173020 | 50.0 |
| Butanal          | 4.32 | 47.0    | ug/l  | 1101440  | 1                     | 5.65 | 1173020 | 50.0 |
| 1-Butanol        | 7.29 | 11.9    | ug/l  | 362540   | 2                     | 6.85 | 1522160 | 50.0 |