

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090524\  
Data File : VN083667.D  
Acq On : 05 Sep 2024 11:42  
Operator : JC\MD  
Sample : VN0905WBL02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0905WBL02

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\_N\methods\82N083024W.M

Title : SW846 8260

Signal : TIC: VN083667.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         | 2.295       | 52            | 58          | 71           | rVB3     | 21669          | 60095         | 5.48%           | 1.017%        |
| 2         | 4.436       | 411           | 422         | 434          | rBV      | 26352          | 80181         | 7.31%           | 1.357%        |
| 3         | 8.165       | 1047          | 1056        | 1060         | rBV      | 129212         | 302986        | 27.63%          | 5.129%        |
| 4         | 8.224       | 1060          | 1066        | 1075         | rVB      | 231203         | 515696        | 47.03%          | 8.729%        |
| 5         | 8.576       | 1116          | 1126        | 1137         | rBV      | 135877         | 302252        | 27.56%          | 5.116%        |
| 6         | 9.100       | 1203          | 1215        | 1231         | rBV      | 389152         | 788500        | 71.91%          | 13.347%       |
| 7         | 10.565      | 1456          | 1464        | 1473         | rBV      | 487403         | 909940        | 82.98%          | 15.403%       |
| 8         | 11.864      | 1676          | 1685        | 1694         | rBV      | 619170         | 1096569       | 100.00%         | 18.562%       |
| 9         | 12.847      | 1844          | 1852        | 1861         | rBV      | 461750         | 772262        | 70.43%          | 13.072%       |
| 10        | 13.794      | 2005          | 2013        | 2024         | rVB      | 622890         | 1079155       | 98.41%          | 18.267%       |

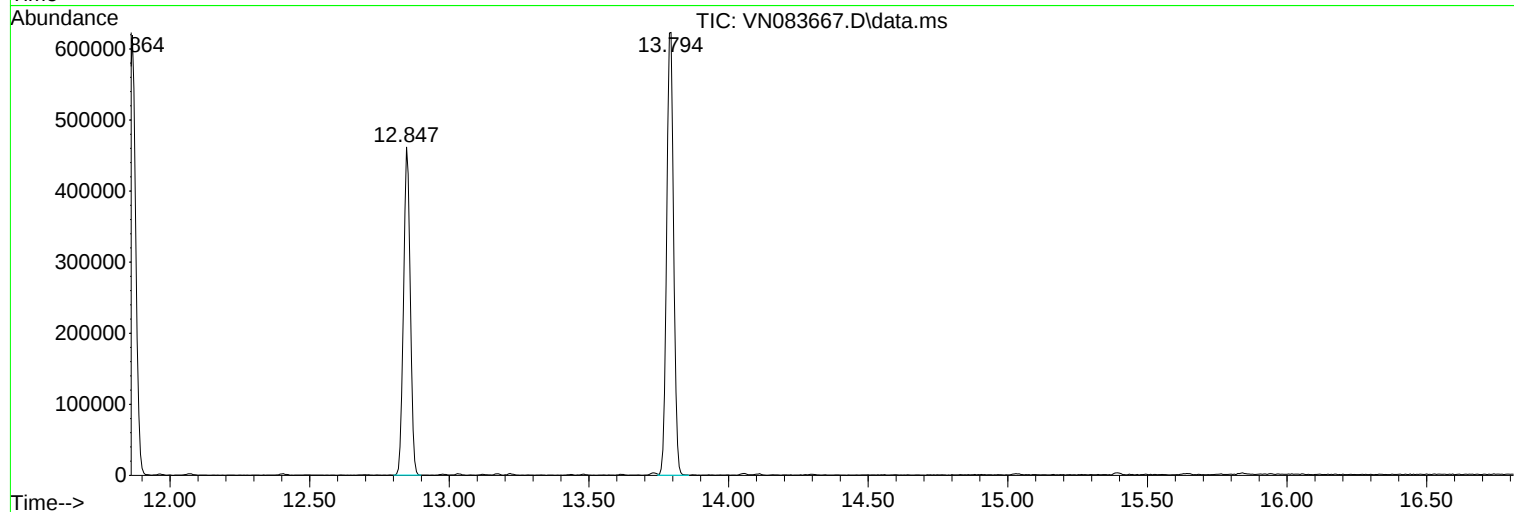
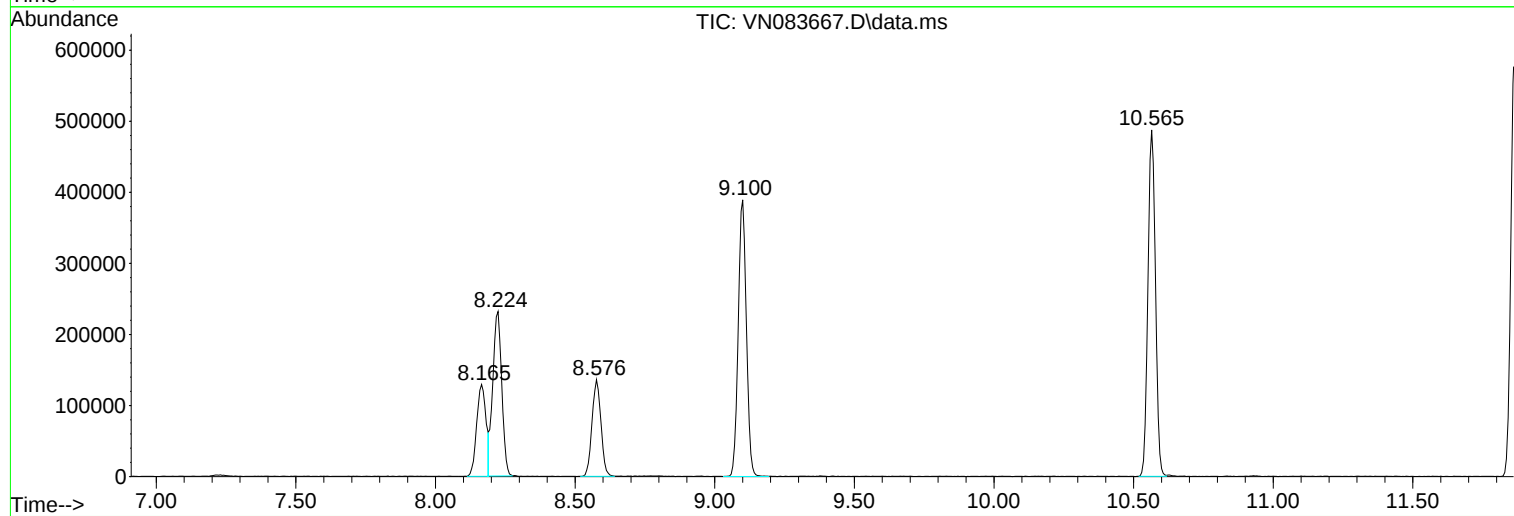
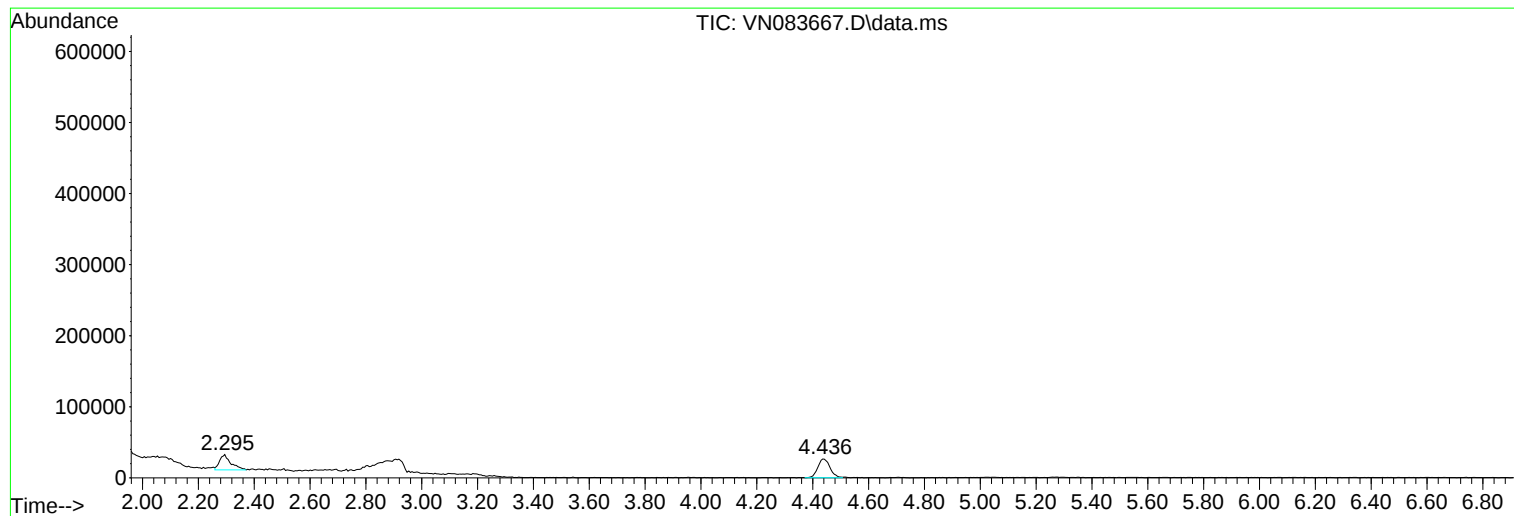
Sum of corrected areas: 5907636

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Instrument :  
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ClientSampleId :  
VN0905WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
Quant Title : SW846 8260

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



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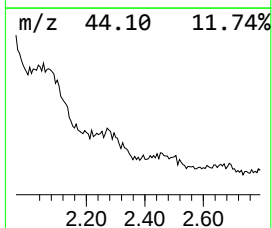
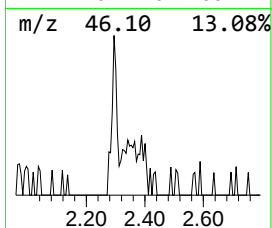
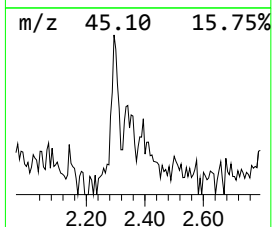
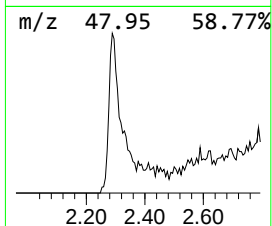
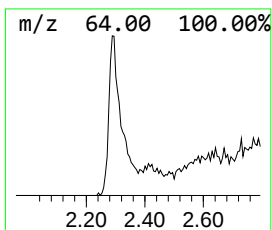
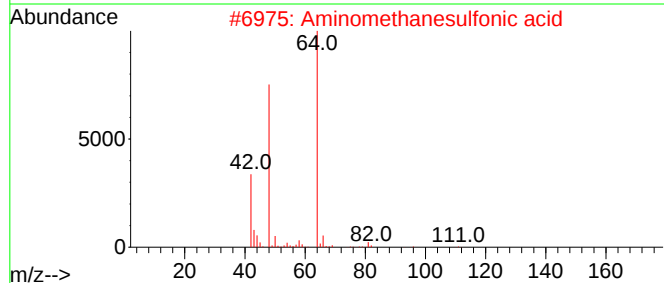
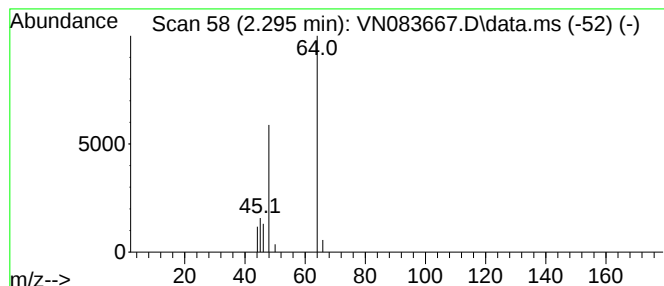
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Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.295 | 5.83 ug/l | 60095 | Pentafluorobenzene | 8.224 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 74   |
| 2    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 64   |
| 3    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    |   | Ethanol, 2-fluoro-        | 64  | C2H5FO   | 000371-62-0 | 5    |
| 5    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 4    |



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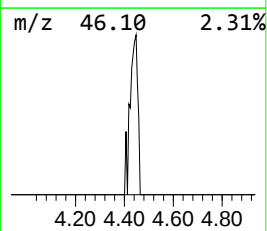
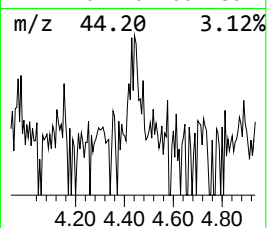
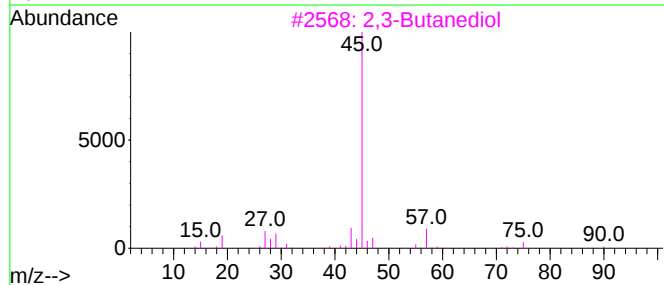
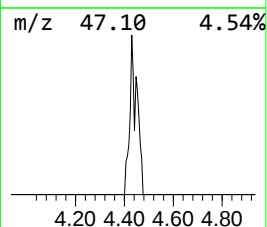
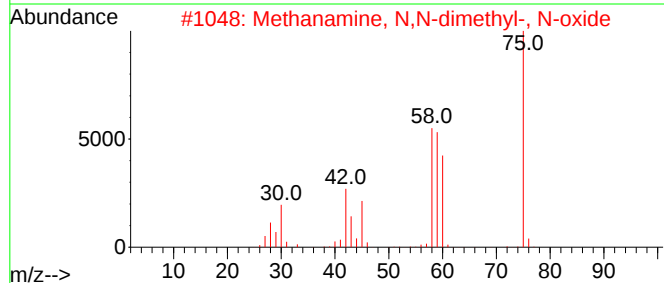
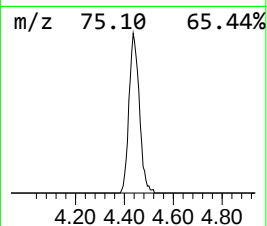
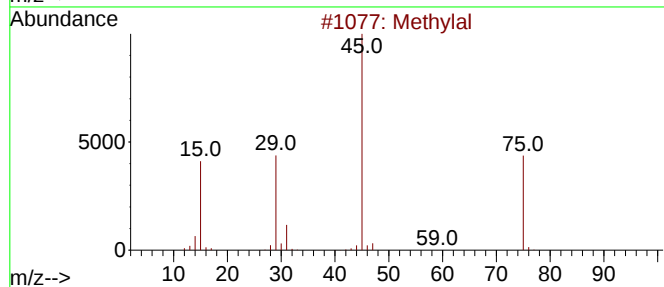
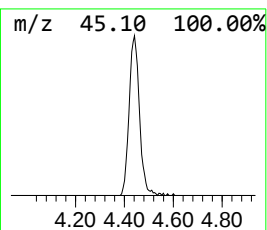
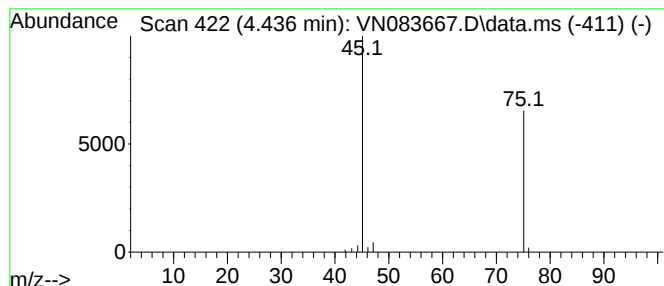
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Peak Number 2 Methylal Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 4.436 | 7.77 ug/l | 80181 | Pentafluorobenzene | 8.224 |

| Hit# | of | 5 | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|----|---------|-------------|------|
| 1    |    |   | Methylal                            | 76 | C3H8O2  | 000109-87-5 | 90   |
| 2    |    |   | Methanamine, N,N-dimethyl-, N-oxide | 75 | C3H9NO  | 001184-78-7 | 9    |
| 3    |    |   | 2,3-Butanediol                      | 90 | C4H10O2 | 000513-85-9 | 9    |
| 4    |    |   | 2,3-Butanediol, [S-(R*,R*)]-        | 90 | C4H10O2 | 019132-06-0 | 9    |
| 5    |    |   | 2,3-Butanediol, [R-(R*,R*)]-        | 90 | C4H10O2 | 024347-58-8 | 9    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 2.295 | 5.8     | ug/l  | 60095    | 1                     | 8.224 | 515696 | 50.0 |
| Methylal         | 4.436 | 7.8     | ug/l  | 80181    | 1                     | 8.224 | 515696 | 50.0 |