

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090322\  
 Data File : VN074323.D  
 Acq On : 03 Sep 2022 17:44  
 Operator : JC\MD  
 Sample : N4355-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-16R

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\82N090222W.M  
 Title : SW846 8260

Signal : TIC: VN074323.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         | 2.281       | 54            | 67          | 83           | rBV2     | 203658         | 1393768       | 75.30%          | 10.336%       |
| 2         | 2.699       | 132           | 138         | 149          | rVB3     | 107521         | 348331        | 18.82%          | 2.583%        |
| 3         | 4.228       | 391           | 398         | 406          | rBV3     | 16429          | 47436         | 2.56%           | 0.352%        |
| 4         | 5.281       | 565           | 577         | 589          | rBV2     | 21598          | 77404         | 4.18%           | 0.574%        |
| 5         | 5.534       | 606           | 620         | 634          | rBV2     | 92263          | 313428        | 16.93%          | 2.324%        |
| 6         | 6.416       | 761           | 770         | 776          | rBV5     | 6544           | 20230         | 1.09%           | 0.150%        |
| 7         | 7.257       | 906           | 913         | 926          | rBV      | 35915          | 97438         | 5.26%           | 0.723%        |
| 8         | 7.951       | 1017          | 1031        | 1037         | rBV      | 292088         | 706789        | 38.19%          | 5.241%        |
| 9         | 8.016       | 1037          | 1042        | 1052         | rVB2     | 443563         | 983853        | 53.16%          | 7.296%        |
| 10        | 8.375       | 1092          | 1103        | 1115         | rBV3     | 388452         | 1121284       | 60.58%          | 8.315%        |
| 11        | 8.457       | 1115          | 1117        | 1126         | rVB6     | 9314           | 19332         | 1.04%           | 0.143%        |
| 12        | 8.904       | 1184          | 1193        | 1204         | rBV      | 691285         | 1387246       | 74.95%          | 10.288%       |
| 13        | 9.110       | 1221          | 1228        | 1233         | rVB3     | 15494          | 27169         | 1.47%           | 0.201%        |
| 14        | 10.381      | 1436          | 1444        | 1452         | rBV      | 1029237        | 1850912       | 100.00%         | 13.726%       |
| 15        | 10.445      | 1452          | 1455        | 1464         | rVV2     | 33119          | 53867         | 2.91%           | 0.399%        |
| 16        | 10.545      | 1467          | 1472        | 1476         | rVV      | 24085          | 41977         | 2.27%           | 0.311%        |
| 17        | 11.069      | 1557          | 1561        | 1567         | rVB3     | 11903          | 19635         | 1.06%           | 0.146%        |
| 18        | 11.680      | 1657          | 1665        | 1678         | rBV      | 999191         | 1797556       | 97.12%          | 13.330%       |
| 19        | 11.898      | 1692          | 1702        | 1706         | rBV3     | 11376          | 20158         | 1.09%           | 0.149%        |
| 20        | 12.669      | 1826          | 1833        | 1846         | rBV      | 841579         | 1395236       | 75.38%          | 10.347%       |
| 21        | 13.610      | 1986          | 1993        | 2008         | rBV      | 1070415        | 1723747       | 93.13%          | 12.783%       |
| 22        | 13.810      | 2022          | 2027        | 2034         | rVB5     | 12642          | 19200         | 1.04%           | 0.142%        |
| 23        | 15.433      | 2297          | 2303        | 2308         | rBV4     | 10821          | 18672         | 1.01%           | 0.138%        |

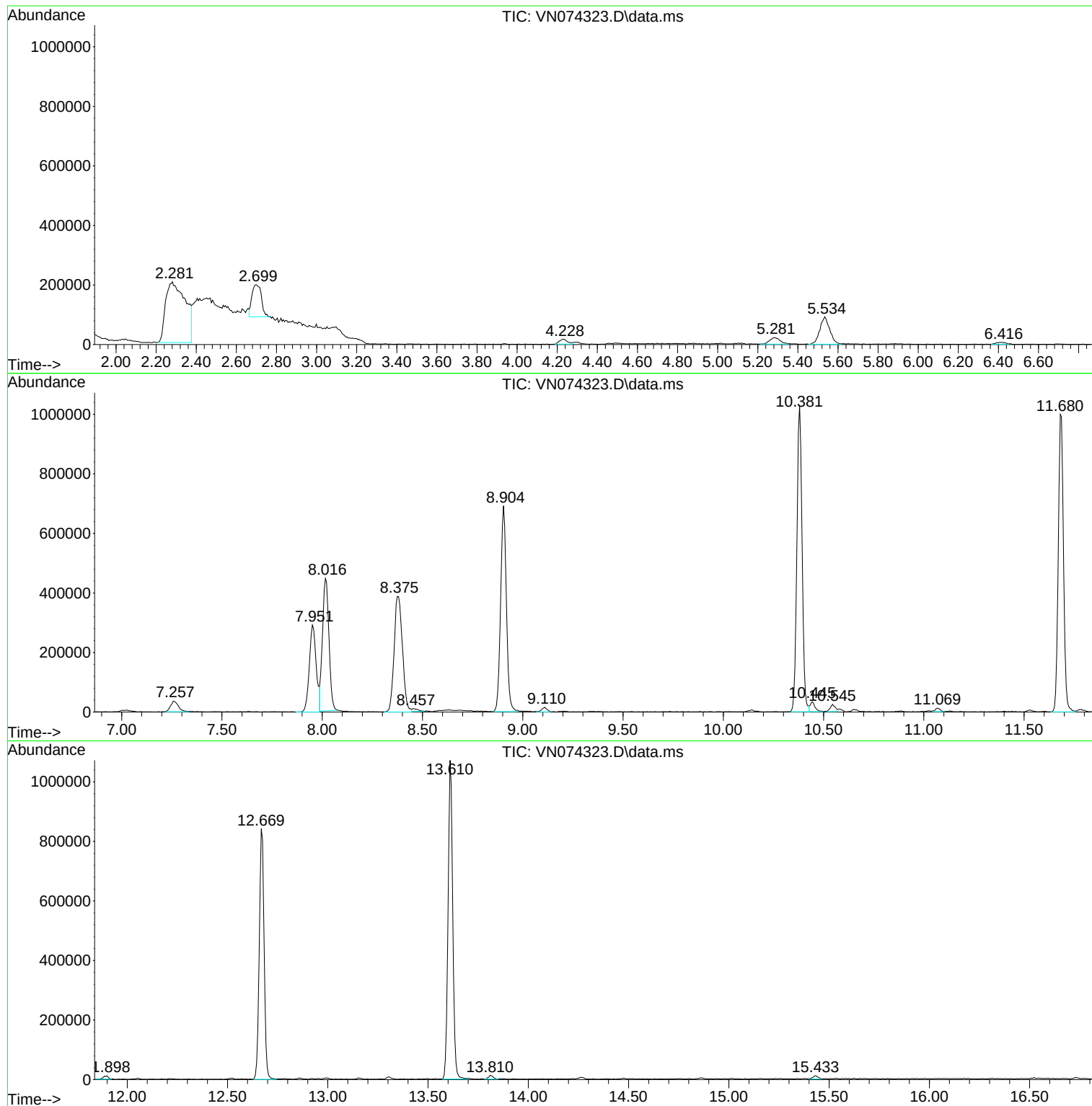
Sum of corrected areas: 13484668

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Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-16R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090222W.M  
Quant Title : SW846 8260

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



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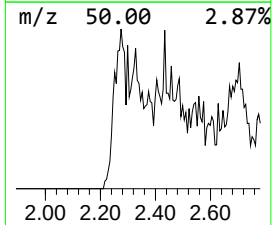
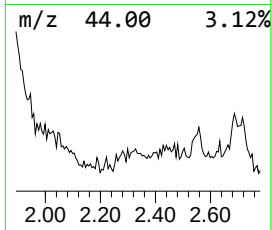
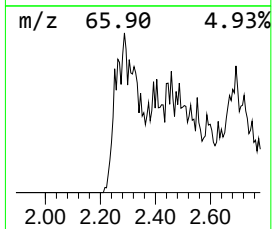
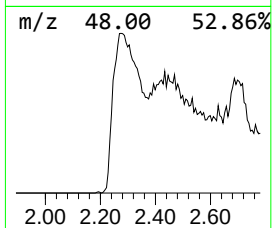
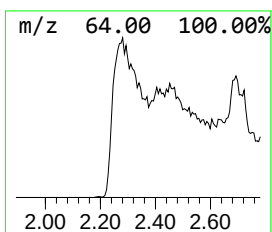
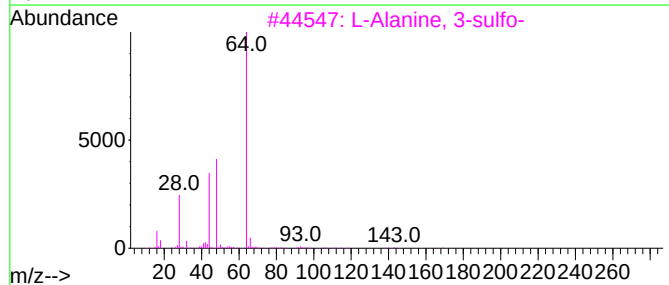
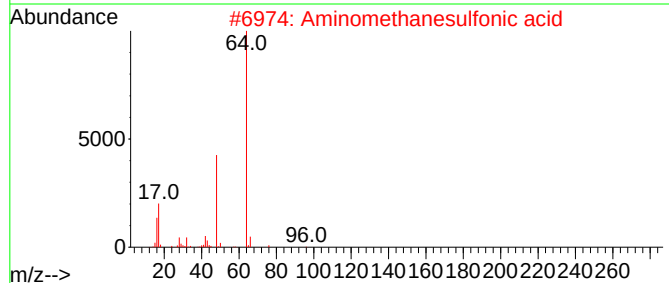
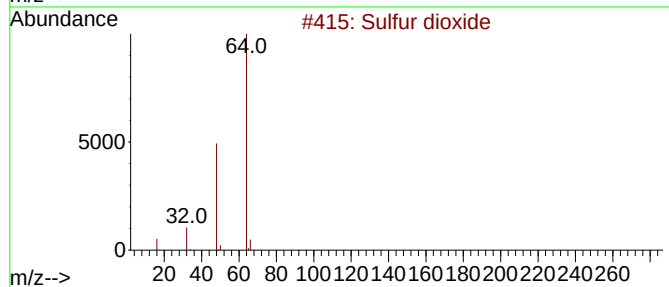
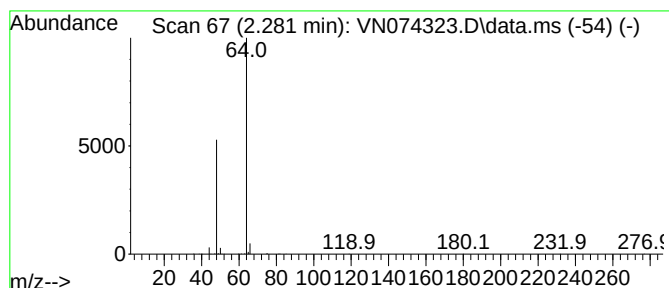
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090222W.M  
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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD   | R.T.  |
|-------|------------|---------|--------------------|-------|
| 2.281 | 70.83 ug/l | 1393770 | Pentafluorobenzene | 8.016 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 83   |
| 2    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 3    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 4    |
| 5    |    |   | Ethyl Chloride            | 64  | C2H5Cl   | 000075-00-3 | 3    |



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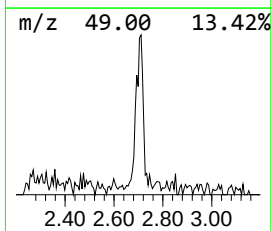
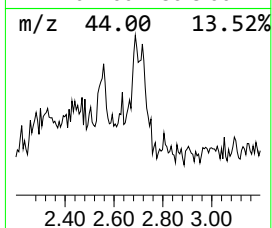
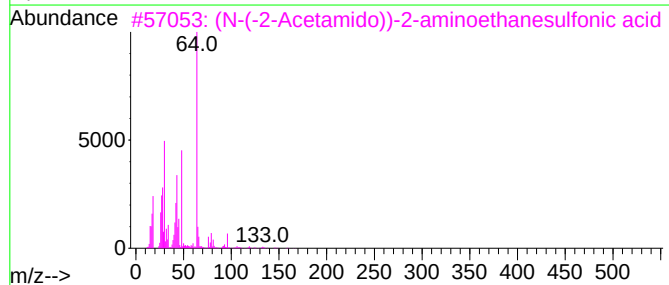
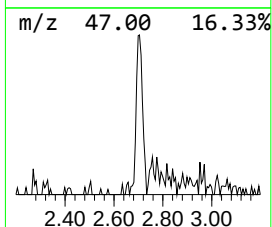
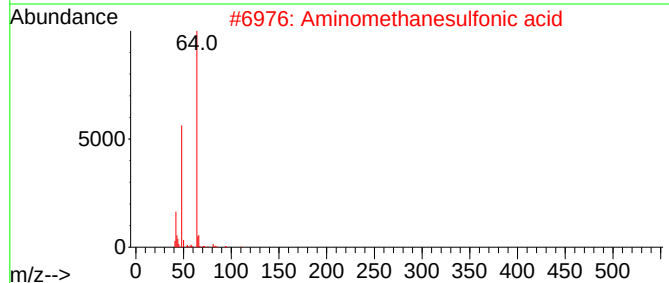
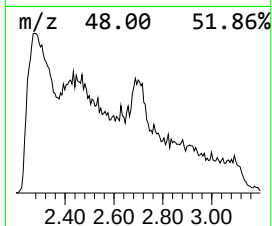
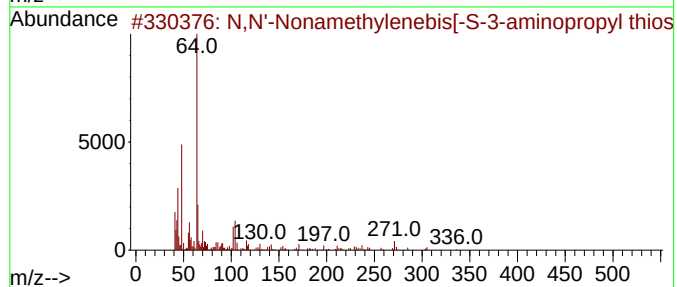
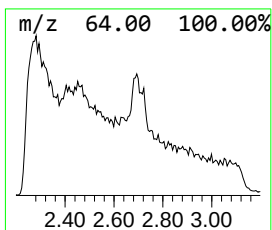
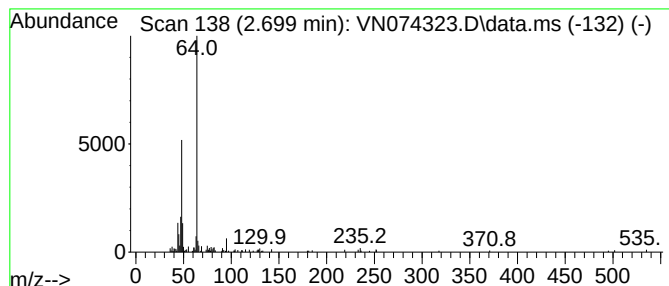
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Peak Number 2 N,N'-Nonamethylenebis[-S-3-... Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD   | R.T.         |      |
|-----------|-------------------------------------|--------|--------------------|--------------|------|
| 2.699     | 17.70 ug/l                          | 348331 | Pentafluorobenzene | 8.016        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm            | CAS#         | Qual |
| 1         | N,N'-Nonamethylenebis[-S-3-amino... | 466    | C15H34N2O6S4       | 035871-58-0  | 64   |
| 2         | Aminomethanesulfonic acid           | 111    | CH5NO3S            | 013881-91-9  | 43   |
| 3         | (N-(-2-Acetamido))-2-aminoethane... | 182    | C4H10N2O4S         | 007365-82-4  | 43   |
| 4         | 2-Benzimidazolyl methane thiosul... | 244    | C8H8N2O3S2         | 1010256-39-2 | 43   |
| 5         | N,N'-Hexamethylenebis[s-3-aminop... | 424    | C12H28N2O6S4       | 035871-55-7  | 43   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide     | 2.281 | 70.8    | ug/l  | 1393770  | 1                     | 8.016 | 983853 | 50.0 |
| N,N'-Nonamethyl... | 2.699 | 17.7    | ug/l  | 348331   | 1                     | 8.016 | 983853 | 50.0 |