

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060622\  
 Data File : VN072672.D  
 Acq On : 06 Jun 2022 19:06  
 Operator : JC\MD  
 Sample : N3123-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 14B-3

Integration Parameters: RTEINT3.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % 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\624N060622W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN072672.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         | 2.228       | 34            | 41          | 50           | rBV2     | 22415          | 60484         | 6.19%           | 1.623%        |
| 2         | 2.581       | 97            | 101         | 106          | rBV3     | 6793           | 10570         | 1.08%           | 0.284%        |
| 3         | 2.734       | 122           | 127         | 129          | rBV4     | 11086          | 17381         | 1.78%           | 0.466%        |
| 4         | 7.063       | 856           | 863         | 870          | rBV6     | 3976           | 10714         | 1.10%           | 0.288%        |
| 5         | 7.657       | 951           | 964         | 981          | rBV3     | 118351         | 315375        | 32.28%          | 8.464%        |
| 6         | 7.816       | 981           | 991         | 1001         | rVB      | 66421          | 166283        | 17.02%          | 4.463%        |
| 7         | 8.434       | 1084          | 1096        | 1108         | rBV      | 161769         | 377682        | 38.66%          | 10.136%       |
| 8         | 8.963       | 1178          | 1186        | 1196         | rBV      | 292623         | 591776        | 60.57%          | 15.882%       |
| 9         | 9.763       | 1317          | 1322        | 1327         | rVB3     | 8399           | 14199         | 1.45%           | 0.381%        |
| 10        | 10.439      | 1429          | 1437        | 1451         | rBV      | 517312         | 977034        | 100.00%         | 26.222%       |
| 11        | 11.186      | 1558          | 1564        | 1570         | rBV3     | 12590          | 25064         | 2.57%           | 0.673%        |
| 12        | 11.745      | 1650          | 1659        | 1673         | rVB      | 367684         | 662745        | 67.83%          | 17.787%       |
| 13        | 12.727      | 1819          | 1826        | 1836         | rVB      | 285713         | 496663        | 50.83%          | 13.330%       |

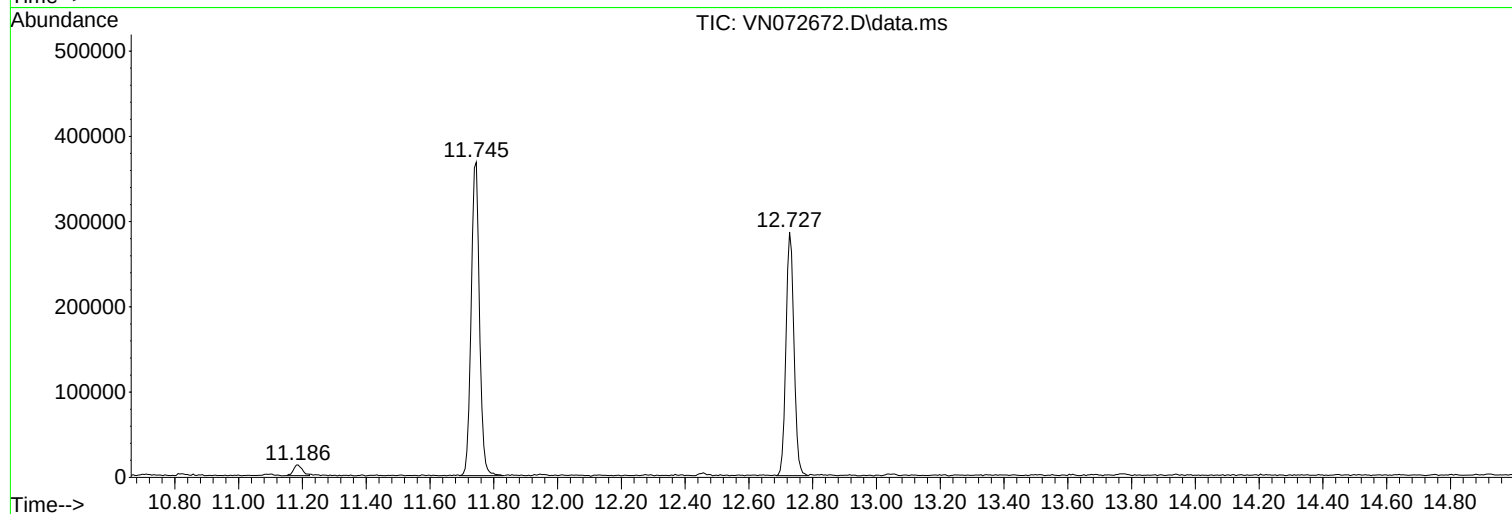
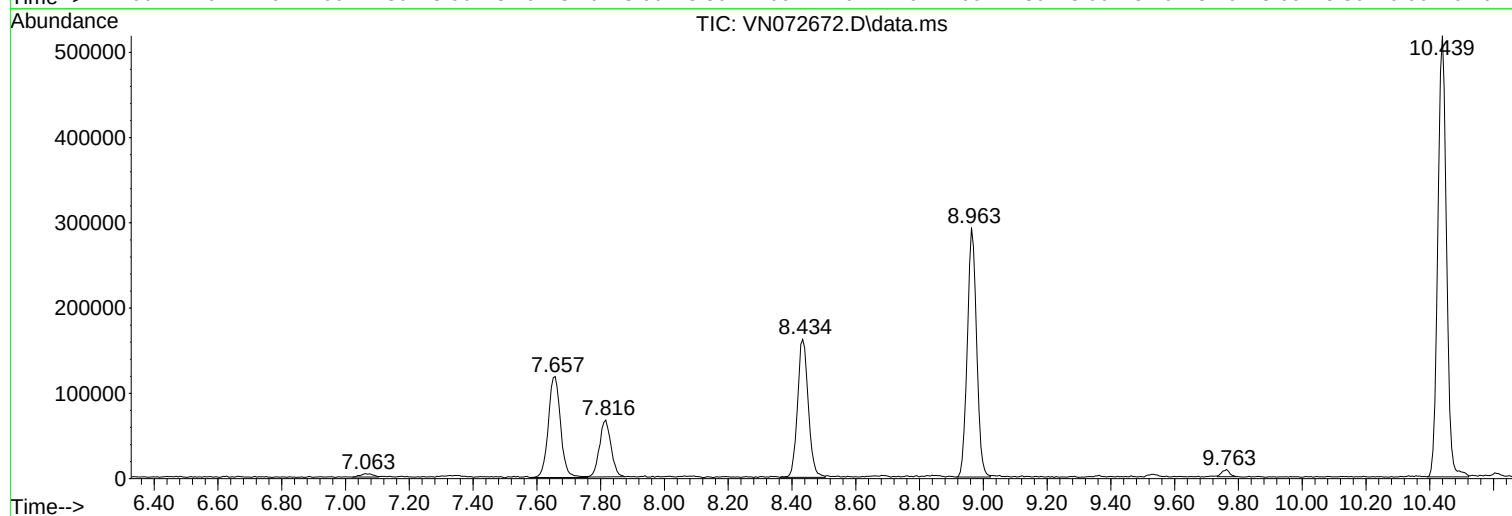
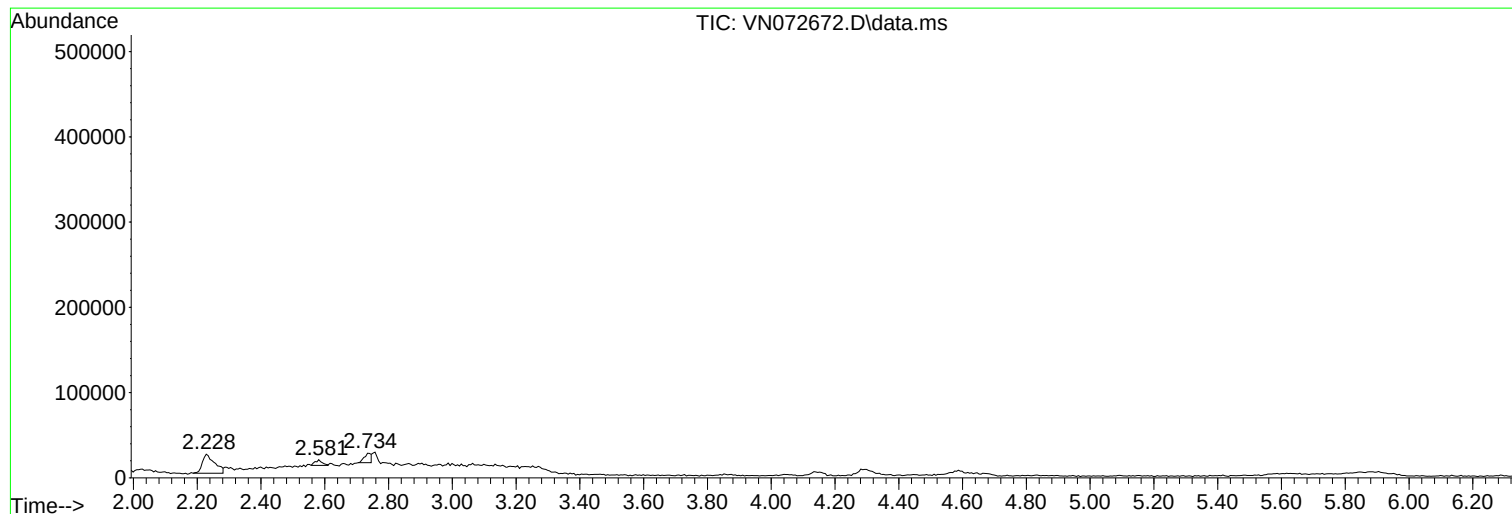
Sum of corrected areas: 3725970

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060622\  
Data File : VN072672.D  
Acq On : 06 Jun 2022 19:06  
Operator : JC\MD  
Sample : N3123-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060622\  
Data File : VN072672.D  
Acq On : 06 Jun 2022 19:06  
Operator : JC\MD  
Sample : N3123-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

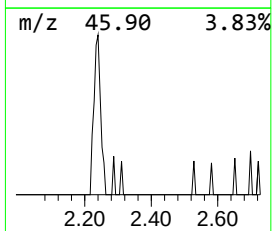
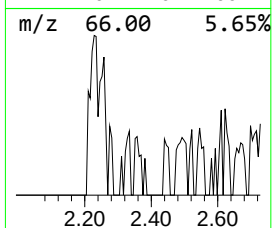
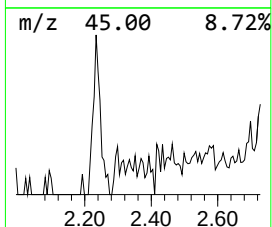
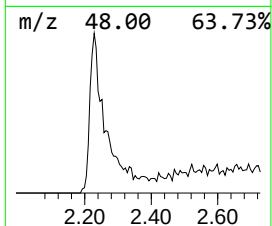
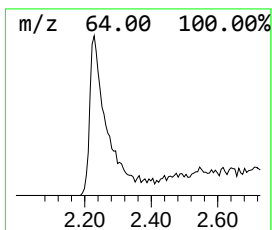
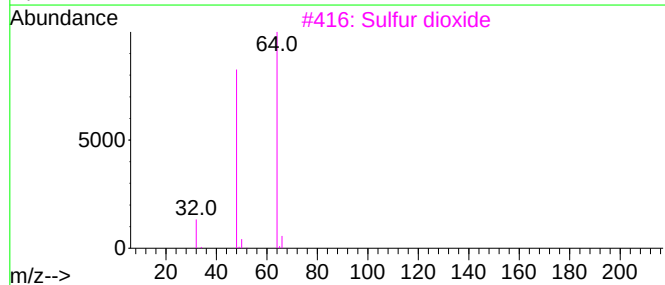
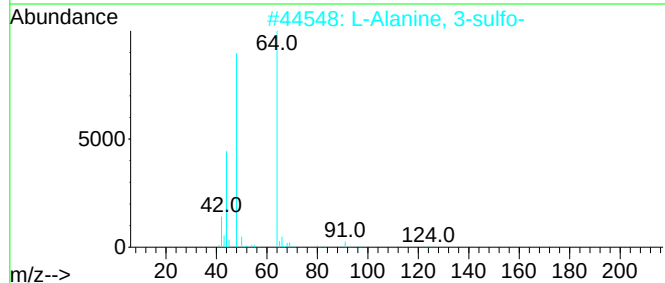
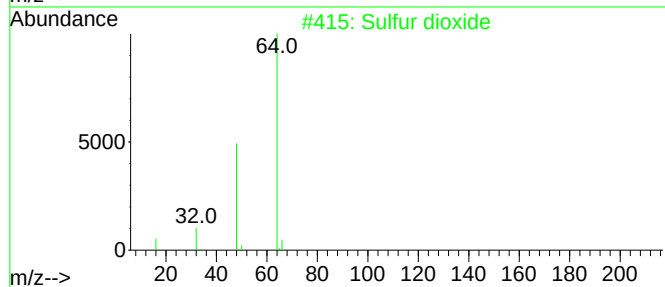
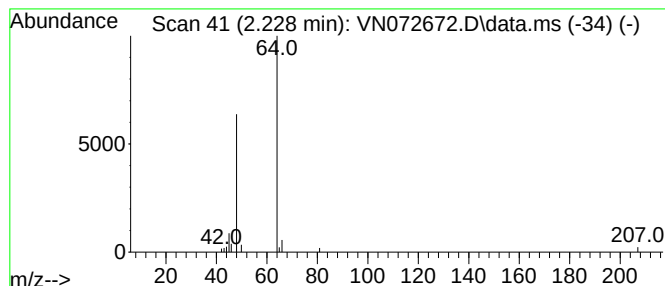
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.228 | 5.75 ug/l | 60484 | Bromochloromethane | 7.657 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|--------------|-------------|------|
| 1    |    |   | Sulfur dioxide                      | 64  | O2S          | 007446-09-5 | 74   |
| 2    |    |   | L-Alanine, 3-sulfo-                 | 169 | C3H7NO5S     | 000498-40-8 | 74   |
| 3    |    |   | Sulfur dioxide                      | 64  | O2S          | 007446-09-5 | 74   |
| 4    |    |   | 2-Aminoethyl hydrogen sulfate       | 141 | C2H7NO4S     | 000926-39-6 | 74   |
| 5    |    |   | Thiosulfuric acid (H2S2O3), S-(2... | 320 | C11H16N2O3S3 | 040284-00-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060622\  
Data File : VN072672.D  
Acq On : 06 Jun 2022 19:06  
Operator : JC\MD  
Sample : N3123-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 2.228 | 5.8     | ug/l  | 60484    | 1                     | 7.657 | 315375 | 30.0 |