

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061722\  
 Data File : VU049262.D  
 Acq On : 17 Jun 2022 22:31  
 Operator : SY/MD  
 Sample : N3288-19  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK001

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

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\_U\Method\SFAMUTR061422WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VU049262.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         | 1.507       | 40            | 52          | 71           | rBV2     | 28656          | 114007        | 19.39%          | 2.818%        |
| 2         | 1.597       | 74            | 80          | 91           | rVB      | 60613          | 72089         | 12.26%          | 1.782%        |
| 3         | 1.912       | 170           | 178         | 190          | rVB      | 46973          | 60513         | 10.29%          | 1.496%        |
| 4         | 2.565       | 368           | 381         | 401          | rBV      | 83613          | 137922        | 23.46%          | 3.410%        |
| 5         | 4.639       | 1011          | 1026        | 1056         | rBV2     | 83945          | 250959        | 42.68%          | 6.204%        |
| 6         | 5.063       | 1142          | 1158        | 1177         | rBV      | 82353          | 179896        | 30.60%          | 4.447%        |
| 7         | 5.726       | 1344          | 1364        | 1388         | rBV2     | 164896         | 426716        | 72.58%          | 10.549%       |
| 8         | 6.250       | 1513          | 1527        | 1546         | rBV      | 166513         | 314879        | 53.56%          | 7.784%        |
| 9         | 6.693       | 1651          | 1665        | 1682         | rBV      | 106054         | 207286        | 35.26%          | 5.124%        |
| 10        | 7.565       | 1924          | 1936        | 1955         | rBV      | 52996          | 95867         | 16.31%          | 2.370%        |
| 11        | 7.899       | 2027          | 2040        | 2057         | rBV      | 190445         | 331146        | 56.32%          | 8.186%        |
| 12        | 8.182       | 2117          | 2128        | 2148         | rBV      | 33521          | 56772         | 9.66%           | 1.403%        |
| 13        | 8.636       | 2256          | 2269        | 2303         | rBV      | 313611         | 587934        | 100.00%         | 14.534%       |
| 14        | 9.417       | 2500          | 2512        | 2530         | rBV      | 225662         | 377674        | 64.24%          | 9.337%        |
| 15        | 10.758      | 2916          | 2929        | 2946         | rVB      | 90069          | 143232        | 24.36%          | 3.541%        |
| 16        | 11.812      | 3245          | 3257        | 3275         | rBV      | 234809         | 373068        | 63.45%          | 9.223%        |
| 17        | 12.195      | 3362          | 3376        | 3390         | rBV      | 194050         | 315173        | 53.61%          | 7.791%        |

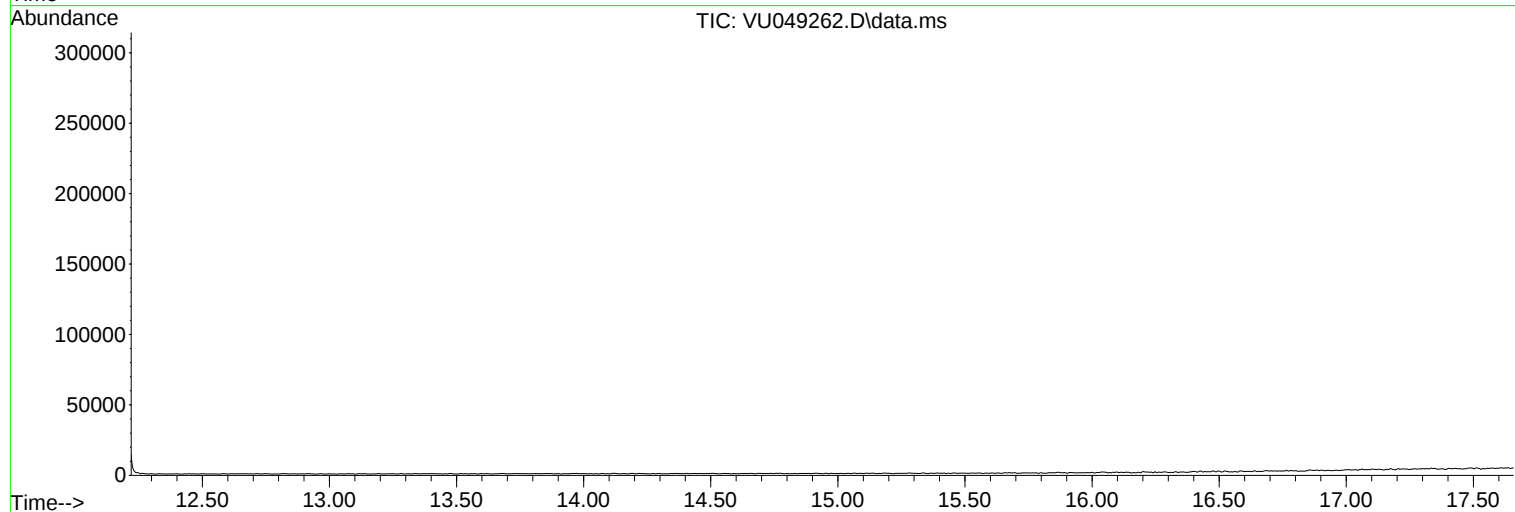
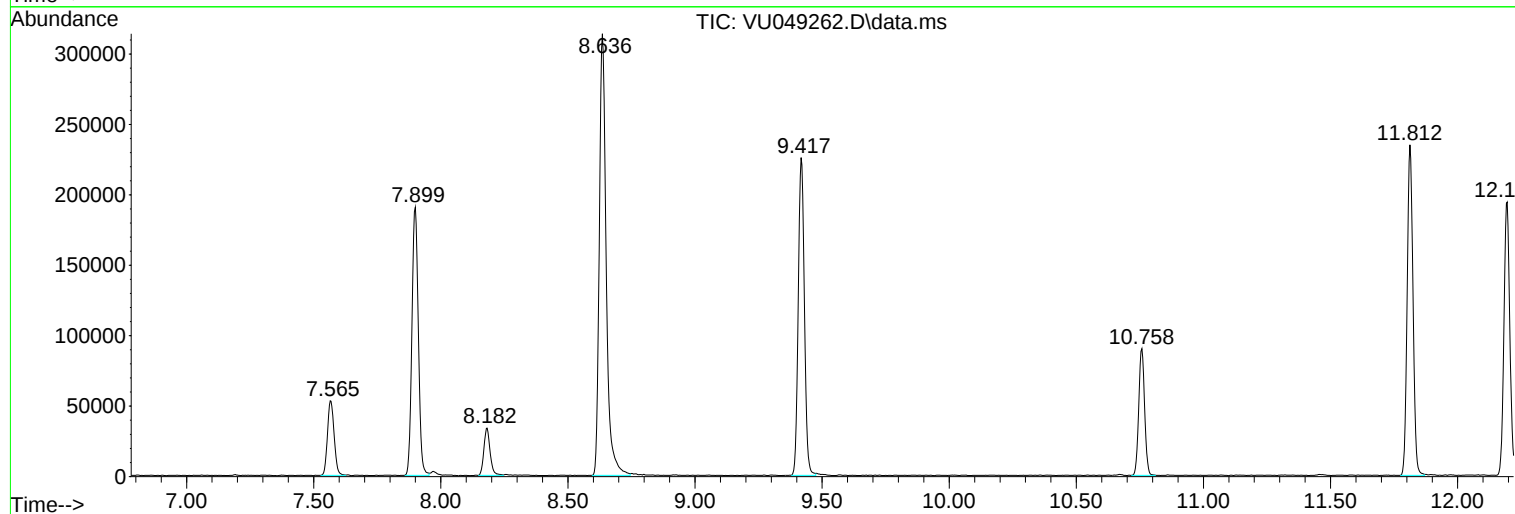
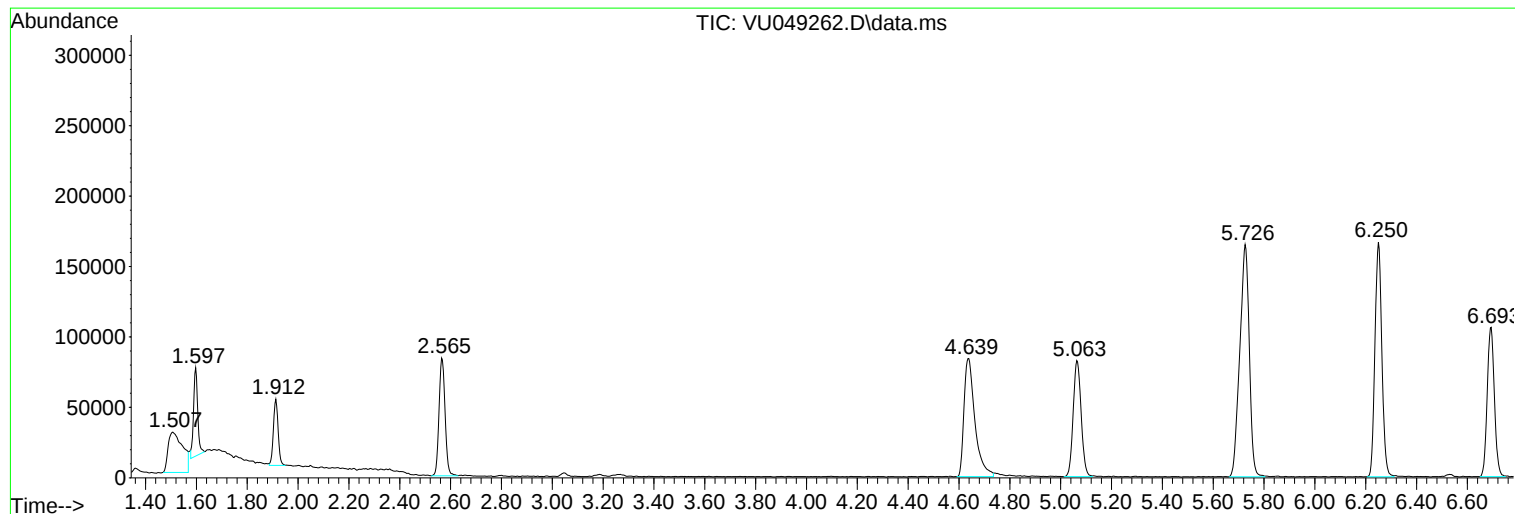
Sum of corrected areas: 4045133

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Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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Quant Title : TRACE VOA SFAM1.0

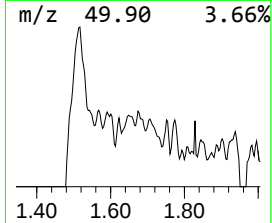
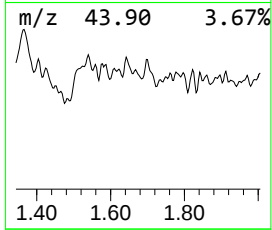
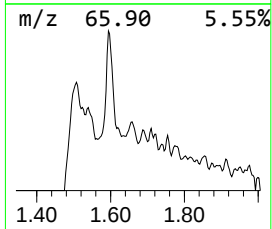
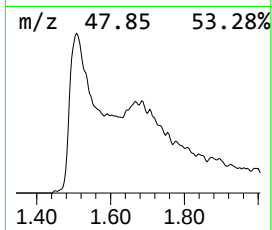
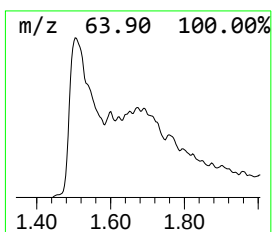
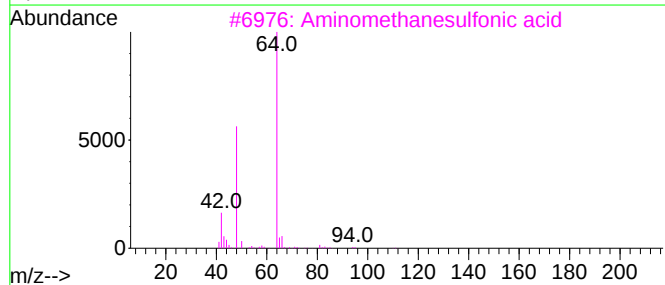
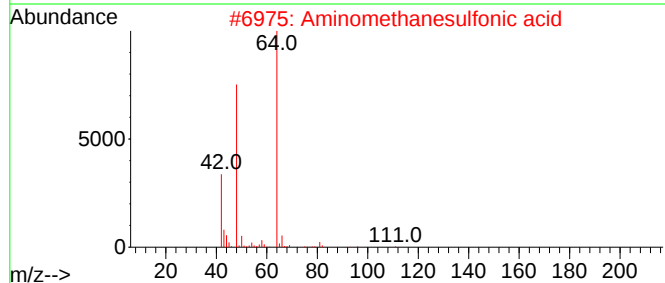
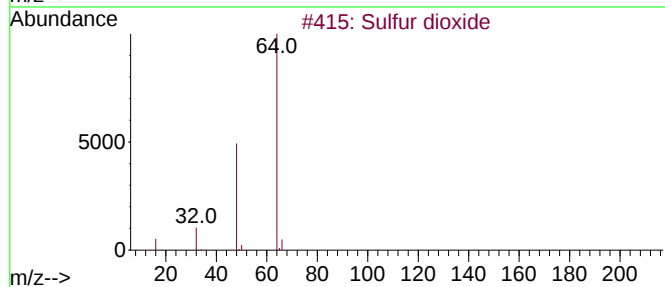
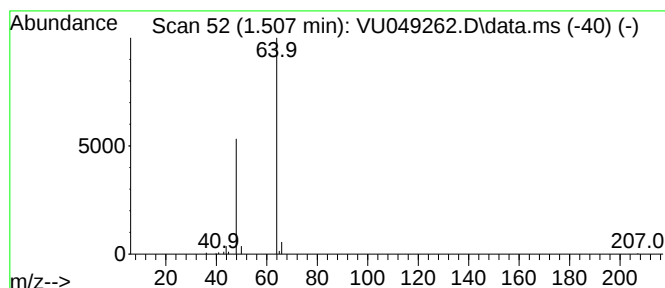
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.507 | 1.81 ug/L | 114007 | 1,4-Difluorobenzene | 6.250 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#        | Qual |
|------|----|---|------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Sulfur dioxide                     | 64  | O2S       | 007446-09-5 | 90   |
| 2    |    |   | Aminomethanesulfonic acid          | 111 | CH5NO3S   | 013881-91-9 | 83   |
| 3    |    |   | Aminomethanesulfonic acid          | 111 | CH5NO3S   | 013881-91-9 | 74   |
| 4    |    |   | Aminomethanesulfonic acid          | 111 | CH5NO3S   | 013881-91-9 | 64   |
| 5    |    |   | Benzenesulfonic acid, 2,5-diamino- | 188 | C6H8N2O3S | 000088-45-9 | 9    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.507 | 1.8     | ug/L  | 114007   | 1                     | 6.250 | 314879 | 5.0  |