

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110222\  
 Data File : VU051700.D  
 Acq On : 02 Nov 2022 19:00  
 Operator : JC/MD  
 Sample : N5353-13  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWW9

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\SFAMUTR102822WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VU051700.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         | 1.472       | 31            | 41          | 53           | rBV      | 81100          | 155981        | 5.68%           | 1.493%        |
| 2         | 1.597       | 74            | 80          | 88           | rBV      | 91490          | 97551         | 3.55%           | 0.934%        |
| 3         | 1.909       | 169           | 177         | 193          | rVB      | 76132          | 101488        | 3.70%           | 0.972%        |
| 4         | 2.562       | 368           | 380         | 394          | rBV2     | 138842         | 232145        | 8.45%           | 2.222%        |
| 5         | 3.350       | 610           | 625         | 653          | rBV      | 306677         | 615858        | 22.42%          | 5.896%        |
| 6         | 3.864       | 757           | 785         | 805          | rBV3     | 37377          | 105689        | 3.85%           | 1.012%        |
| 7         | 4.662       | 1006          | 1033        | 1060         | rBV2     | 1074182        | 2746353       | 100.00%         | 26.291%       |
| 8         | 5.060       | 1138          | 1157        | 1180         | rBV      | 145509         | 333937        | 12.16%          | 3.197%        |
| 9         | 5.723       | 1343          | 1363        | 1391         | rBV2     | 272929         | 772678        | 28.13%          | 7.397%        |
| 10        | 6.247       | 1513          | 1526        | 1549         | rBV      | 219111         | 423081        | 15.41%          | 4.050%        |
| 11        | 6.539       | 1601          | 1617        | 1634         | rBV2     | 149860         | 286411        | 10.43%          | 2.742%        |
| 12        | 6.687       | 1650          | 1663        | 1680         | rBV      | 181755         | 355210        | 12.93%          | 3.400%        |
| 13        | 7.565       | 1924          | 1936        | 1949         | rBV2     | 79027          | 139548        | 5.08%           | 1.336%        |
| 14        | 7.896       | 2027          | 2039        | 2058         | rBV      | 300978         | 521300        | 18.98%          | 4.990%        |
| 15        | 8.179       | 2113          | 2127        | 2144         | rBV2     | 47425          | 82694         | 3.01%           | 0.792%        |
| 16        | 8.632       | 2255          | 2268        | 2301         | rBV      | 444803         | 823243        | 29.98%          | 7.881%        |
| 17        | 9.417       | 2499          | 2512        | 2516         | rBV      | 346605         | 578270        | 21.06%          | 5.536%        |
| 18        | 9.443       | 2517          | 2520        | 2548         | rVB      | 405185         | 579198        | 21.09%          | 5.545%        |
| 19        | 10.755      | 2914          | 2928        | 2945         | rBV      | 160043         | 258654        | 9.42%           | 2.476%        |
| 20        | 11.812      | 3245          | 3257        | 3280         | rBV2     | 300716         | 659074        | 24.00%          | 6.309%        |
| 21        | 12.192      | 3361          | 3375        | 3401         | rBV2     | 304484         | 577545        | 21.03%          | 5.529%        |

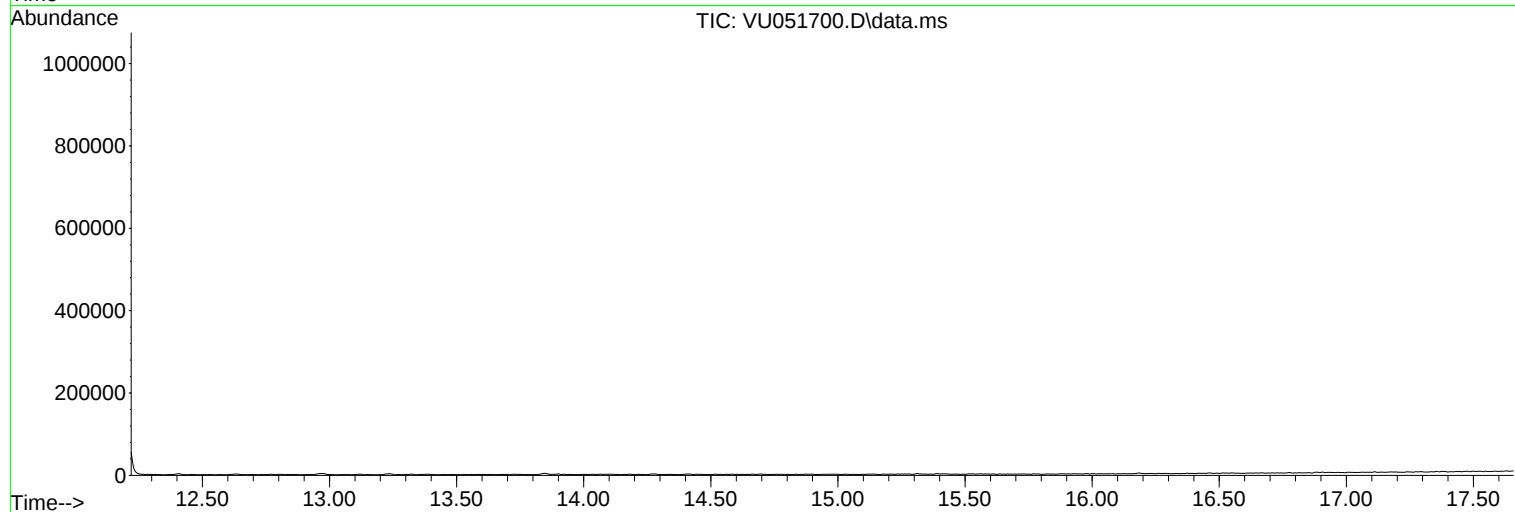
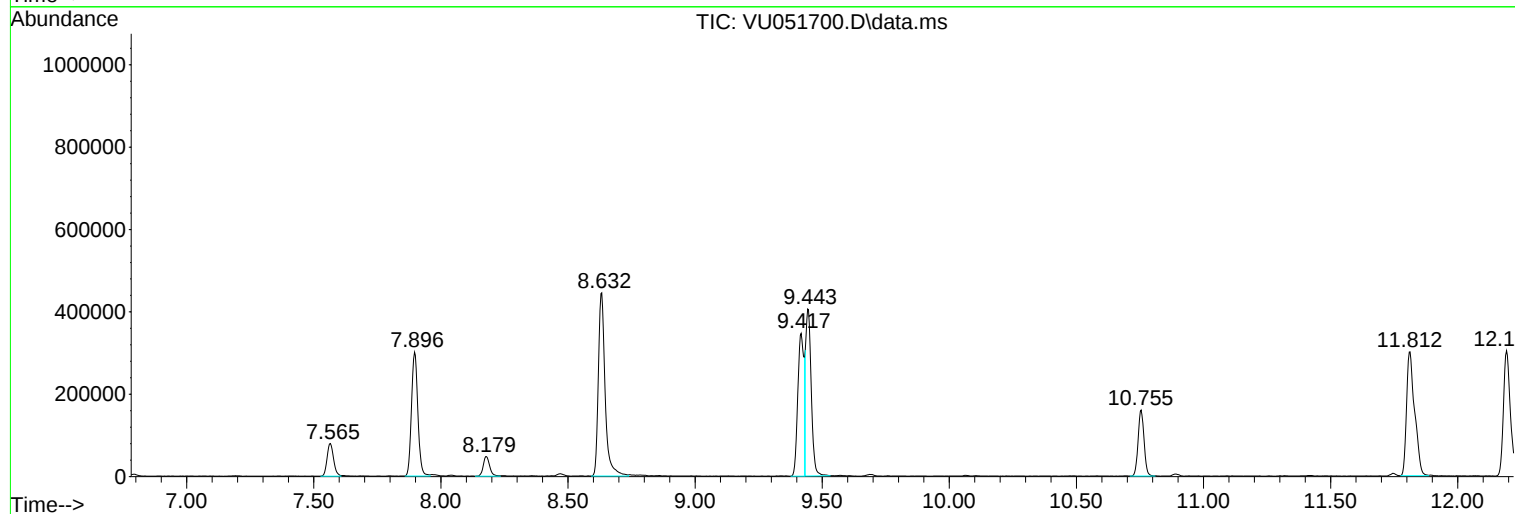
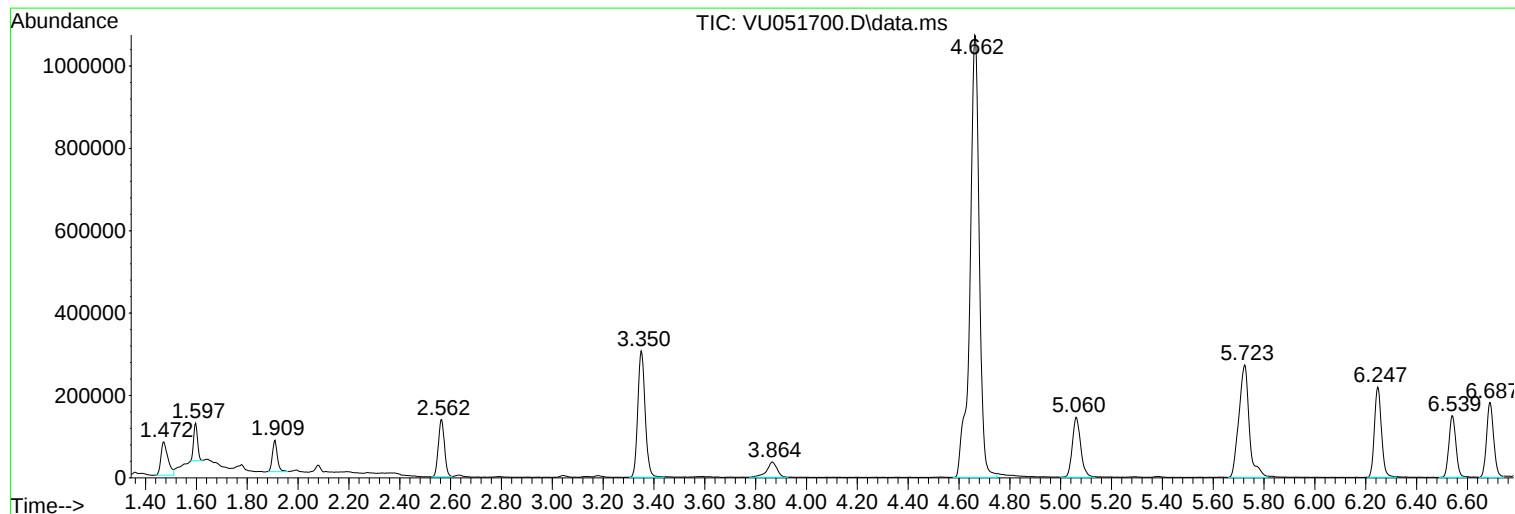
Sum of corrected areas: 10445908

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Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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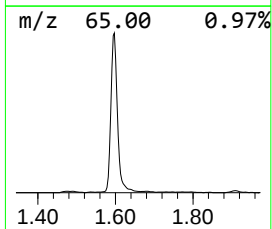
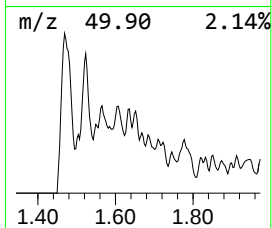
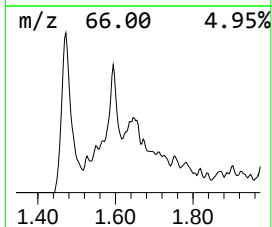
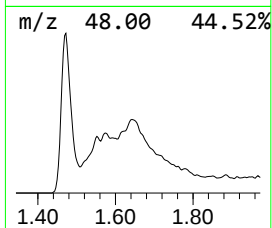
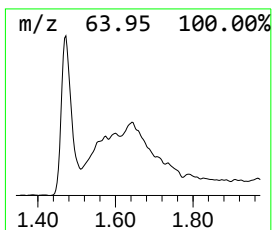
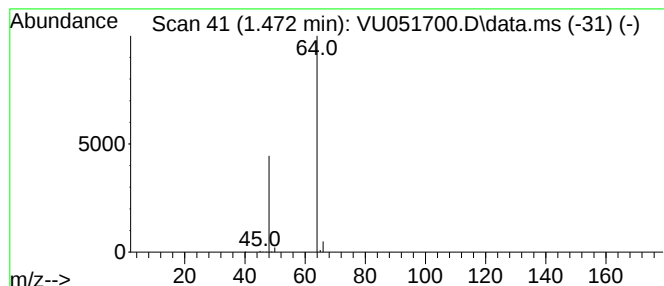
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
Quant Title : TRACE VOA SFAM1.0

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.  |
|-------|-----------|--------|---------------------|-------|
| 1.472 | 1.84 ug/L | 155981 | 1,4-Difluorobenzene | 6.247 |

| 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    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 5    |
| 5    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 4    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.472 | 1.8     | ug/L  | 155981   | 1                     | 6.247 | 423081 | 5.0  |