

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU043021\  
 Data File : VU043459.D  
 Acq On : 30 Apr 2021 05:19  
 Operator : SY/MD  
 Sample : M2194-10  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YARR4

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\SFAMUTR041521WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VU043459.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         | 1.363       | 3             | 7           | 16           | rBV3     | 4161           | 4618          | 1.04%           | 0.152%        |
| 2         | 1.507       | 40            | 52          | 64           | rBV      | 59827          | 195679        | 44.21%          | 6.436%        |
| 3         | 1.604       | 77            | 82          | 94           | rBV3     | 33742          | 47058         | 10.63%          | 1.548%        |
| 4         | 1.919       | 175           | 180         | 194          | rVB      | 35395          | 50642         | 11.44%          | 1.666%        |
| 5         | 2.572       | 372           | 383         | 400          | rBV      | 60372          | 100010        | 22.60%          | 3.289%        |
| 6         | 2.652       | 401           | 408         | 418          | rVB2     | 2842           | 5059          | 1.14%           | 0.166%        |
| 7         | 4.642       | 1010          | 1027        | 1064         | rBV      | 65111          | 183657        | 41.50%          | 6.040%        |
| 8         | 5.073       | 1145          | 1161        | 1184         | rBV2     | 63633          | 139358        | 31.49%          | 4.583%        |
| 9         | 5.735       | 1346          | 1367        | 1391         | rBV2     | 118085         | 318365        | 71.94%          | 10.471%       |
| 10        | 6.256       | 1515          | 1529        | 1553         | rBV      | 118375         | 218848        | 49.45%          | 7.198%        |
| 11        | 6.700       | 1654          | 1667        | 1684         | rBV2     | 80836          | 157378        | 35.56%          | 5.176%        |
| 12        | 7.575       | 1926          | 1939        | 1955         | rBV2     | 33655          | 59633         | 13.47%          | 1.961%        |
| 13        | 7.906       | 2029          | 2042        | 2057         | rBV      | 132392         | 224330        | 50.69%          | 7.378%        |
| 14        | 8.185       | 2119          | 2129        | 2144         | rVB2     | 21886          | 36545         | 8.26%           | 1.202%        |
| 15        | 8.642       | 2257          | 2271        | 2299         | rBV      | 224244         | 442571        | 100.00%         | 14.556%       |
| 16        | 9.423       | 2502          | 2514        | 2531         | rBV      | 172510         | 285040        | 64.41%          | 9.375%        |
| 17        | 10.764      | 2918          | 2931        | 2947         | rVB      | 62469          | 98984         | 22.37%          | 3.256%        |
| 18        | 11.819      | 3247          | 3259        | 3276         | rBV      | 159425         | 251277        | 56.78%          | 8.264%        |
| 19        | 12.066      | 3328          | 3336        | 3348         | rBV4     | 4005           | 6567          | 1.48%           | 0.216%        |
| 20        | 12.201      | 3365          | 3378        | 3393         | rBV      | 134166         | 214894        | 48.56%          | 7.068%        |

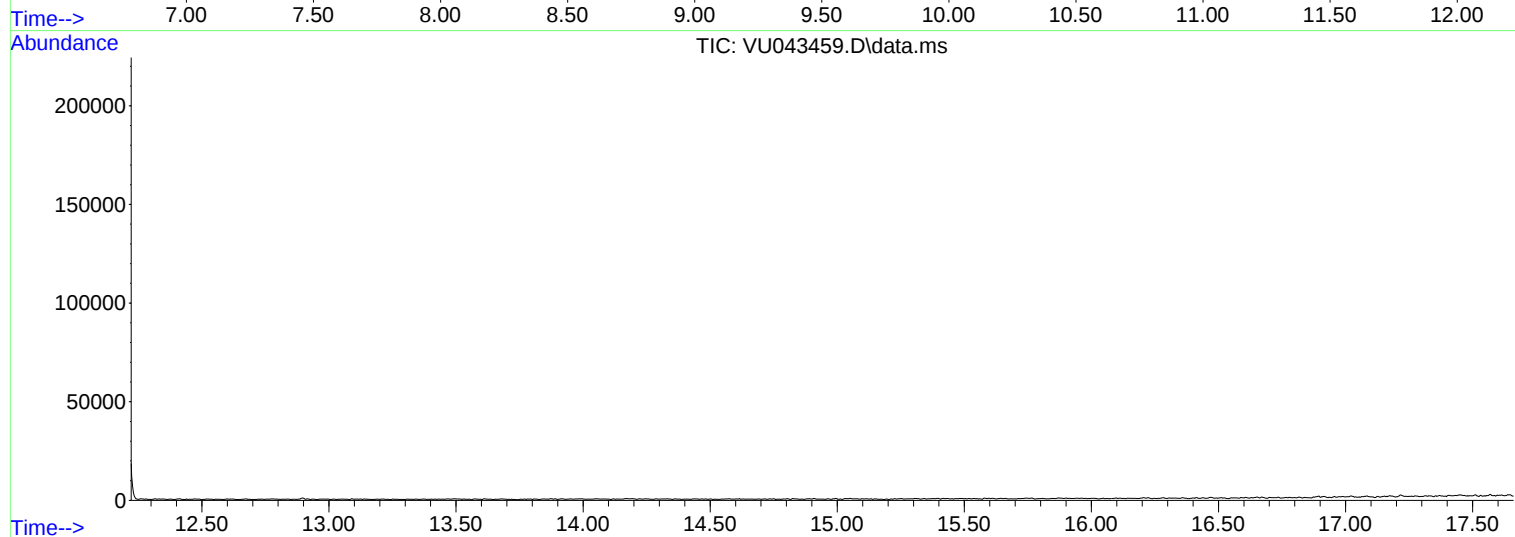
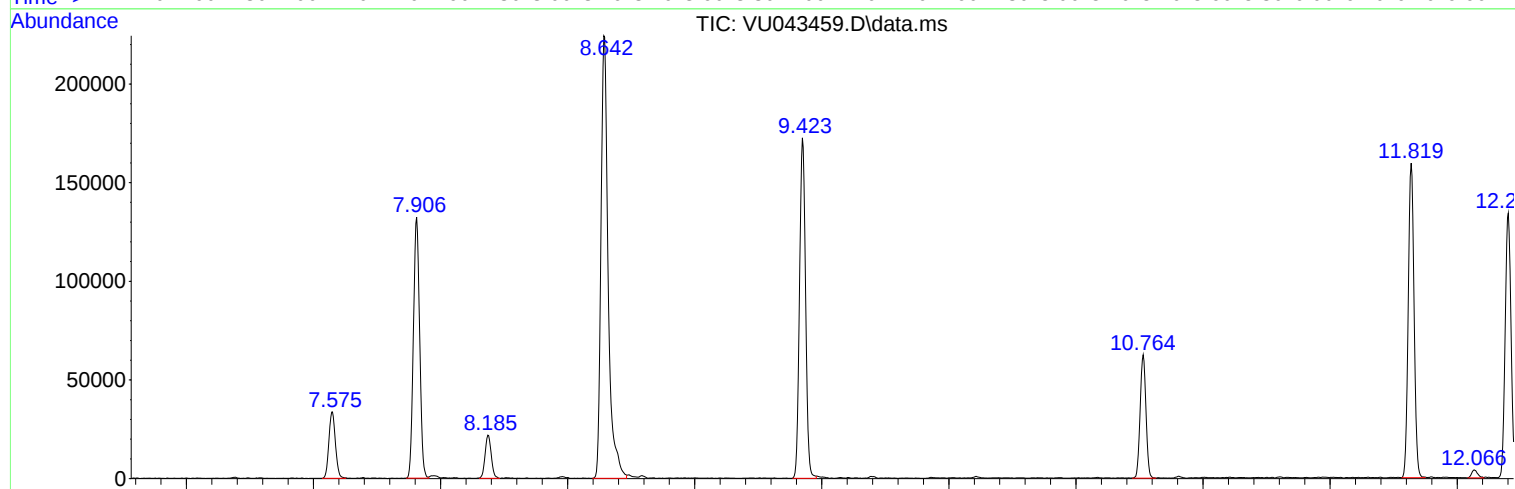
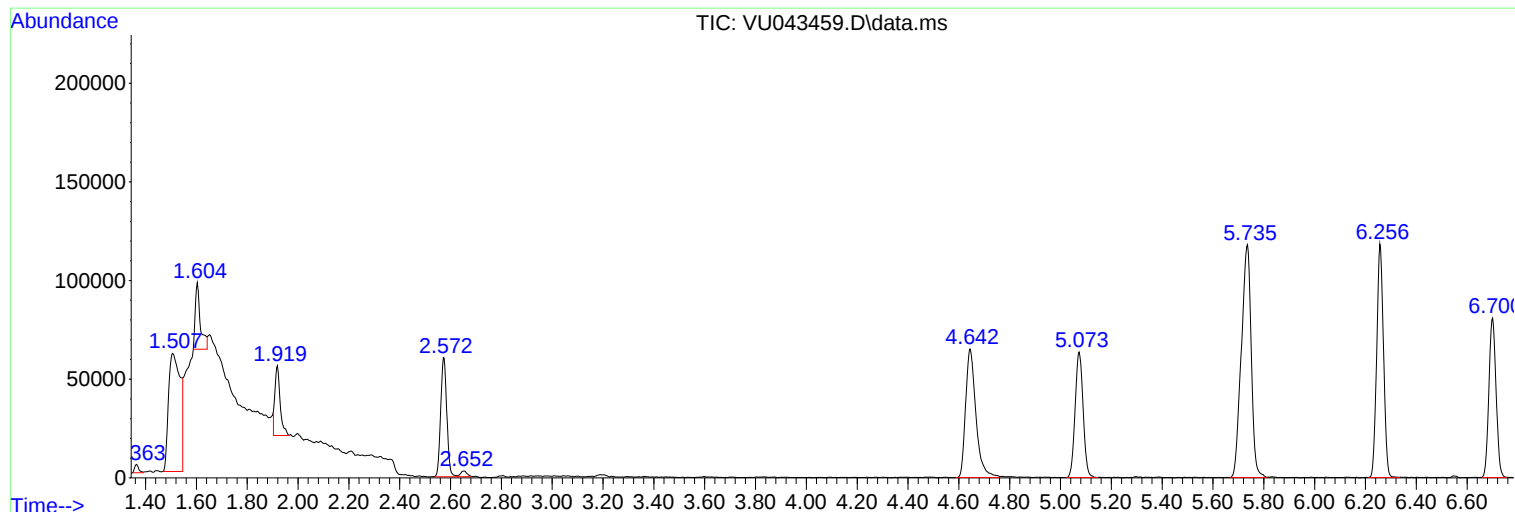
Sum of corrected areas: 3040513

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Instrument :  
MSVOA\_U  
ClientSampleId :  
YARR4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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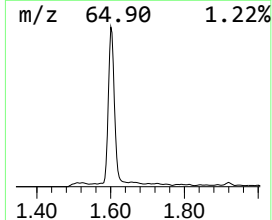
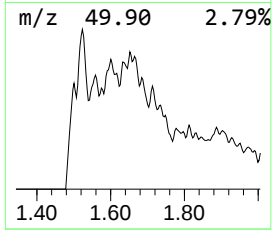
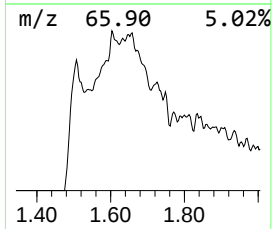
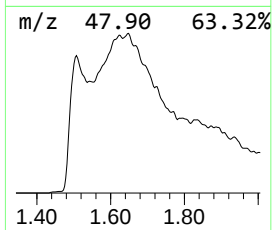
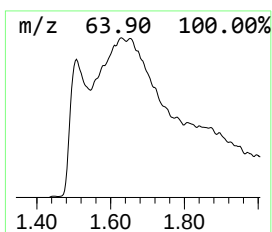
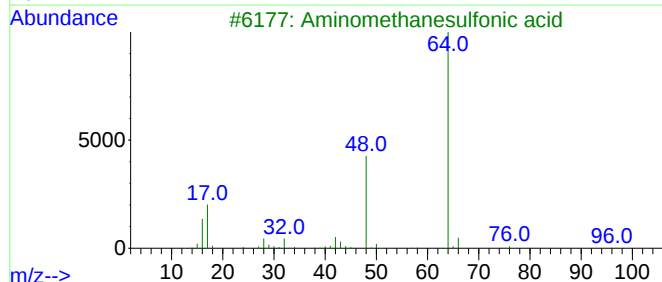
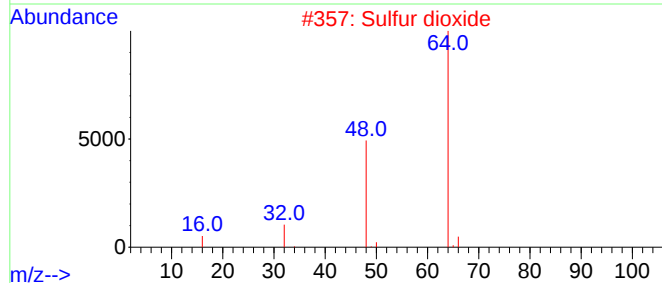
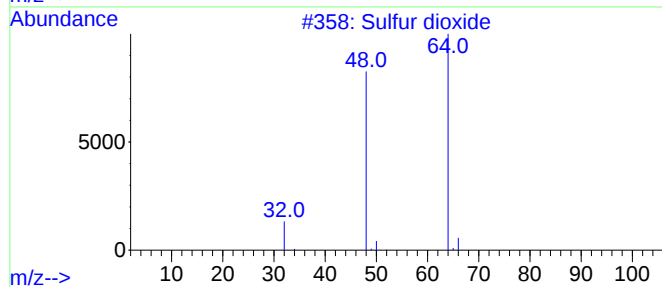
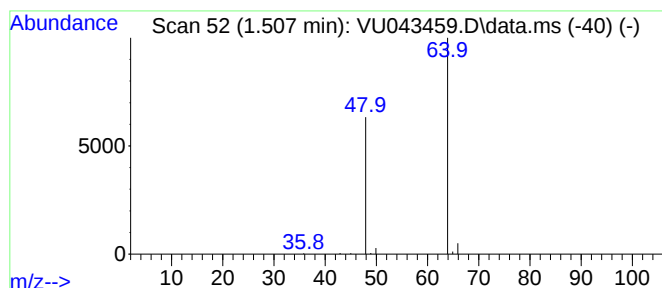
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 1.507 | 4.47 ug/L | 195679 | 1,4-Difluorobenzene | 6.256 |

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



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.507 | 4.5     | ug/L  | 195679   | 1                     | 6.256 | 218848 | 5.0  |