

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\  
 Data File : VV013780.D  
 Acq On : 26 Nov 2019 12:16  
 Operator : SY/MD  
 Sample : K5993-09  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GARE2

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

| 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         | 1.235       | 36            | 45          | 47           | rBV2     | 66144          | 95102         | 8.84%           | 1.035%        |
| 2         | 1.315       | 64            | 70          | 83           | rVB      | 167744         | 187434        | 17.42%          | 2.041%        |
| 3         | 1.579       | 145           | 152         | 163          | rVB      | 139688         | 153782        | 14.29%          | 1.674%        |
| 4         | 2.122       | 312           | 321         | 333          | rVB      | 255186         | 351341        | 32.64%          | 3.825%        |
| 5         | 2.531       | 438           | 448         | 460          | rVB      | 5792           | 11087         | 1.03%           | 0.121%        |
| 6         | 3.958       | 880           | 892         | 926          | rBV      | 86835          | 362972        | 33.73%          | 3.952%        |
| 7         | 4.392       | 1010          | 1027        | 1053         | rVB      | 196892         | 480180        | 44.62%          | 5.228%        |
| 8         | 5.087       | 1227          | 1243        | 1277         | rBV2     | 437255         | 1076262       | 100.00%         | 11.718%       |
| 9         | 5.656       | 1406          | 1420        | 1439         | rBV      | 385969         | 782578        | 72.71%          | 8.520%        |
| 10        | 5.949       | 1500          | 1511        | 1517         | rBV10    | 10014          | 18506         | 1.72%           | 0.201%        |
| 11        | 6.109       | 1547          | 1561        | 1583         | rBV2     | 243321         | 516617        | 48.00%          | 5.625%        |
| 12        | 7.026       | 1835          | 1846        | 1869         | rVB      | 116229         | 216053        | 20.07%          | 2.352%        |
| 13        | 7.354       | 1935          | 1948        | 1965         | rBV      | 471634         | 827456        | 76.88%          | 9.009%        |
| 14        | 7.662       | 2034          | 2044        | 2059         | rBV2     | 68419          | 123826        | 11.51%          | 1.348%        |
| 15        | 8.138       | 2181          | 2192        | 2232         | rBV2     | 403364         | 985546        | 91.57%          | 10.730%       |
| 16        | 8.891       | 2413          | 2426        | 2448         | rBV      | 596632         | 977851        | 90.86%          | 10.647%       |
| 17        | 10.257      | 2838          | 2851        | 2865         | rBV      | 175676         | 283709        | 26.36%          | 3.089%        |
| 18        | 10.418      | 2888          | 2901        | 2912         | rVB4     | 16216          | 30177         | 2.80%           | 0.329%        |
| 19        | 11.289      | 3160          | 3172        | 3195         | rBV      | 544832         | 862275        | 80.12%          | 9.388%        |
| 20        | 11.665      | 3278          | 3289        | 3311         | rBV      | 478407         | 788247        | 73.24%          | 8.582%        |
| 21        | 12.694      | 3600          | 3609        | 3616         | rBV6     | 9511           | 14543         | 1.35%           | 0.158%        |
| 22        | 13.791      | 3939          | 3950        | 3962         | rBV3     | 21750          | 39133         | 3.64%           | 0.426%        |

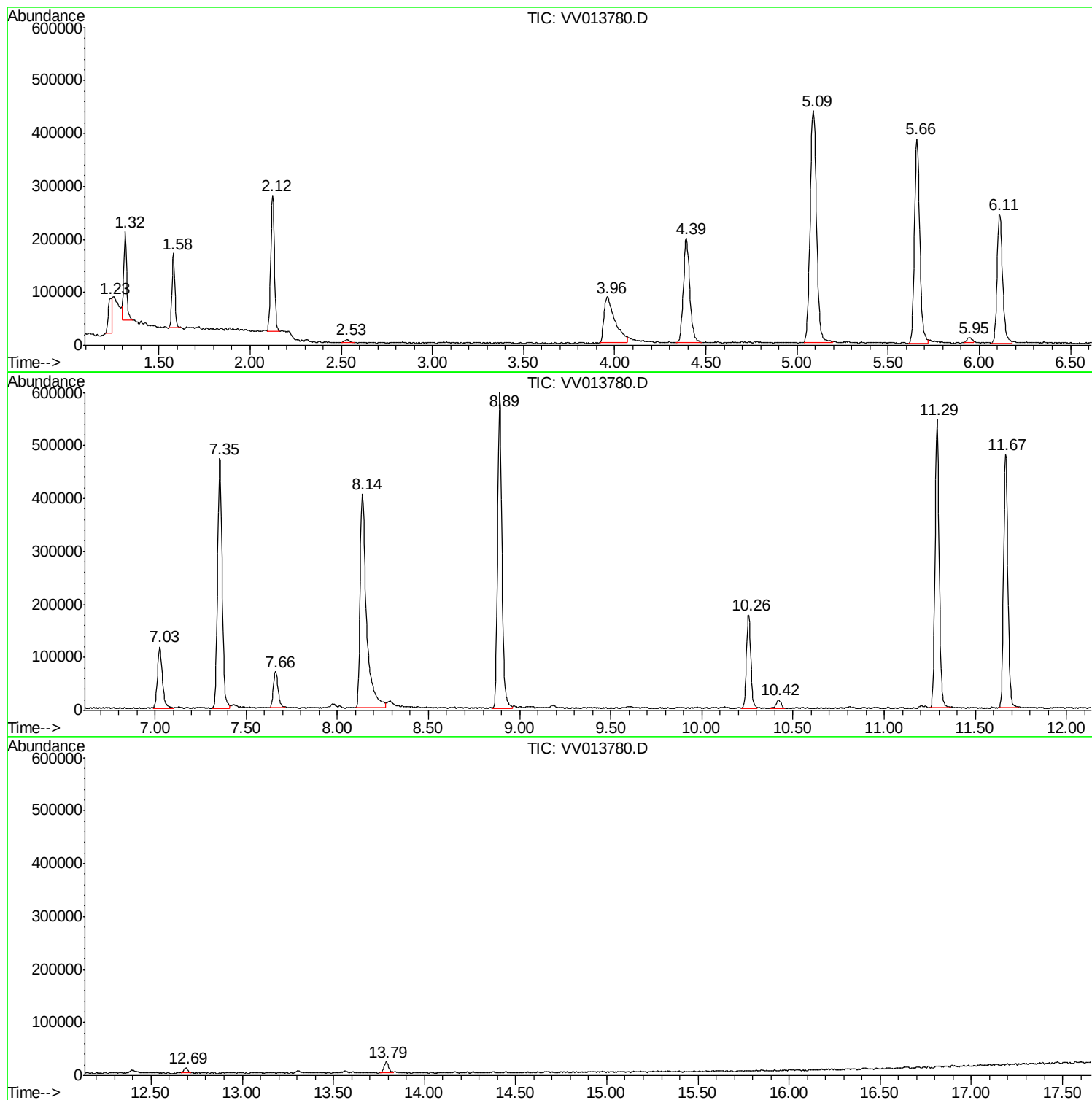
Sum of corrected areas: 9184677

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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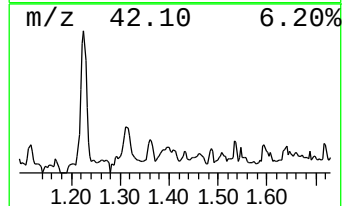
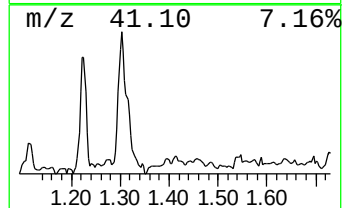
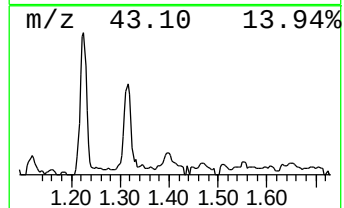
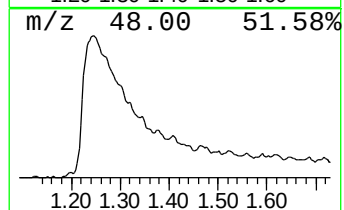
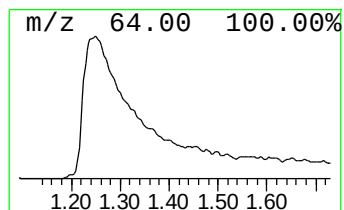
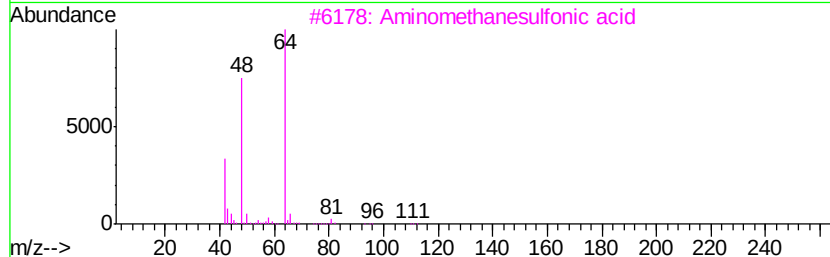
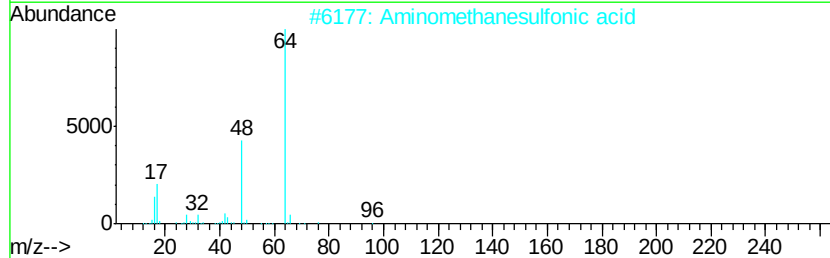
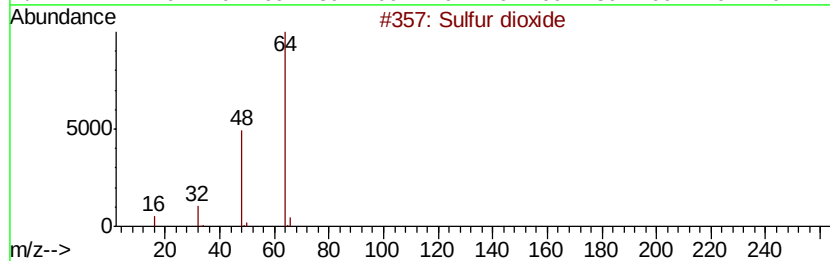
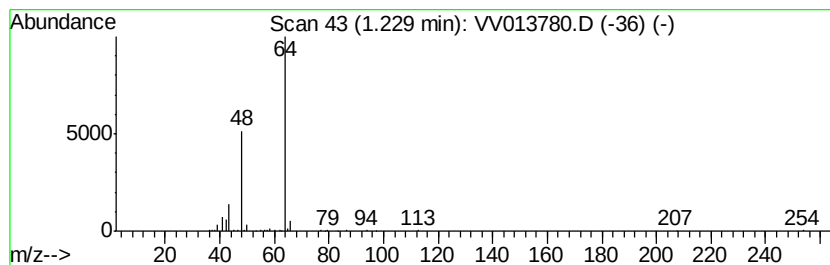
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T.    | EstConc   | Area                                | Relative to ISTD    | R.T.           |
|---------|-----------|-------------------------------------|---------------------|----------------|
| 1.23    | 0.61 ug/L | 95102                               | 1,4-Difluorobenzene | 5.66           |
| Hit# of | 5         | Tentative ID                        | MW MolForm          | CAS# Qual      |
| 1       |           | Sulfur dioxide                      | 64 02S              | 007446-09-5 83 |
| 2       |           | Aminomethanesulfonic acid           | 111 CH5N03S         | 013881-91-9 83 |
| 3       |           | Aminomethanesulfonic acid           | 111 CH5N03S         | 013881-91-9 74 |
| 4       |           | Sulfur dioxide                      | 64 02S              | 007446-09-5 9  |
| 5       |           | (N-(-2-Acetamido))-2-aminoethane... | 182 C4H10N2O4S      | 007365-82-4 9  |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.23 | 0.6     | ug/L  | 95102    | 1                     | 5.66 | 782578 | 5.0  |