

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\  
 Data File : VU040756.D  
 Acq On : 16 Oct 2020 18:38  
 Operator : SY/MD  
 Sample : L4419-20  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AK3

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\_U\METHOD\SOMUTR100820WMA.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         | 1.498       | 38            | 49          | 76           | rBV      | 116112         | 490407        | 69.44%          | 9.126%        |
| 2         | 1.607       | 77            | 83          | 111          | rVB      | 73318          | 130449        | 18.47%          | 2.427%        |
| 3         | 1.925       | 174           | 182         | 194          | rVB      | 55317          | 72904         | 10.32%          | 1.357%        |
| 4         | 2.584       | 373           | 387         | 403          | rBV3     | 122958         | 233701        | 33.09%          | 4.349%        |
| 5         | 2.810       | 445           | 457         | 469          | rBV2     | 16120          | 28462         | 4.03%           | 0.530%        |
| 6         | 3.202       | 572           | 579         | 592          | rVB5     | 3412           | 7408          | 1.05%           | 0.138%        |
| 7         | 4.687       | 1017          | 1041        | 1078         | rBV3     | 238761         | 706281        | 100.00%         | 13.143%       |
| 8         | 5.083       | 1149          | 1164        | 1181         | rBV      | 97449          | 214558        | 30.38%          | 3.993%        |
| 9         | 5.334       | 1223          | 1242        | 1254         | rBV8     | 3830           | 9139          | 1.29%           | 0.170%        |
| 10        | 5.742       | 1347          | 1369        | 1388         | rBV2     | 178454         | 472738        | 66.93%          | 8.797%        |
| 11        | 6.263       | 1512          | 1531        | 1551         | rBV      | 145570         | 275927        | 39.07%          | 5.135%        |
| 12        | 6.555       | 1607          | 1622        | 1639         | rBV2     | 115737         | 216872        | 30.71%          | 4.036%        |
| 13        | 6.703       | 1655          | 1668        | 1683         | rBV2     | 123685         | 234679        | 33.23%          | 4.367%        |
| 14        | 7.575       | 1923          | 1939        | 1954         | rBV      | 49826          | 88493         | 12.53%          | 1.647%        |
| 15        | 7.906       | 2029          | 2042        | 2059         | rBV      | 192578         | 330044        | 46.73%          | 6.142%        |
| 16        | 8.186       | 2118          | 2129        | 2142         | rBV2     | 34083          | 57291         | 8.11%           | 1.066%        |
| 17        | 8.559       | 2234          | 2245        | 2256         | rVB2     | 20595          | 34224         | 4.85%           | 0.637%        |
| 18        | 8.642       | 2256          | 2271        | 2304         | rBV      | 316058         | 625086        | 88.50%          | 11.632%       |
| 19        | 9.420       | 2500          | 2513        | 2530         | rBV      | 219820         | 364519        | 51.61%          | 6.783%        |
| 20        | 10.755      | 2917          | 2928        | 2943         | rVB      | 97908          | 157744        | 22.33%          | 2.935%        |
| 21        | 11.806      | 3243          | 3255        | 3275         | rBV      | 188996         | 302811        | 42.87%          | 5.635%        |
| 22        | 12.189      | 3361          | 3374        | 3390         | rBV      | 199045         | 320204        | 45.34%          | 5.958%        |

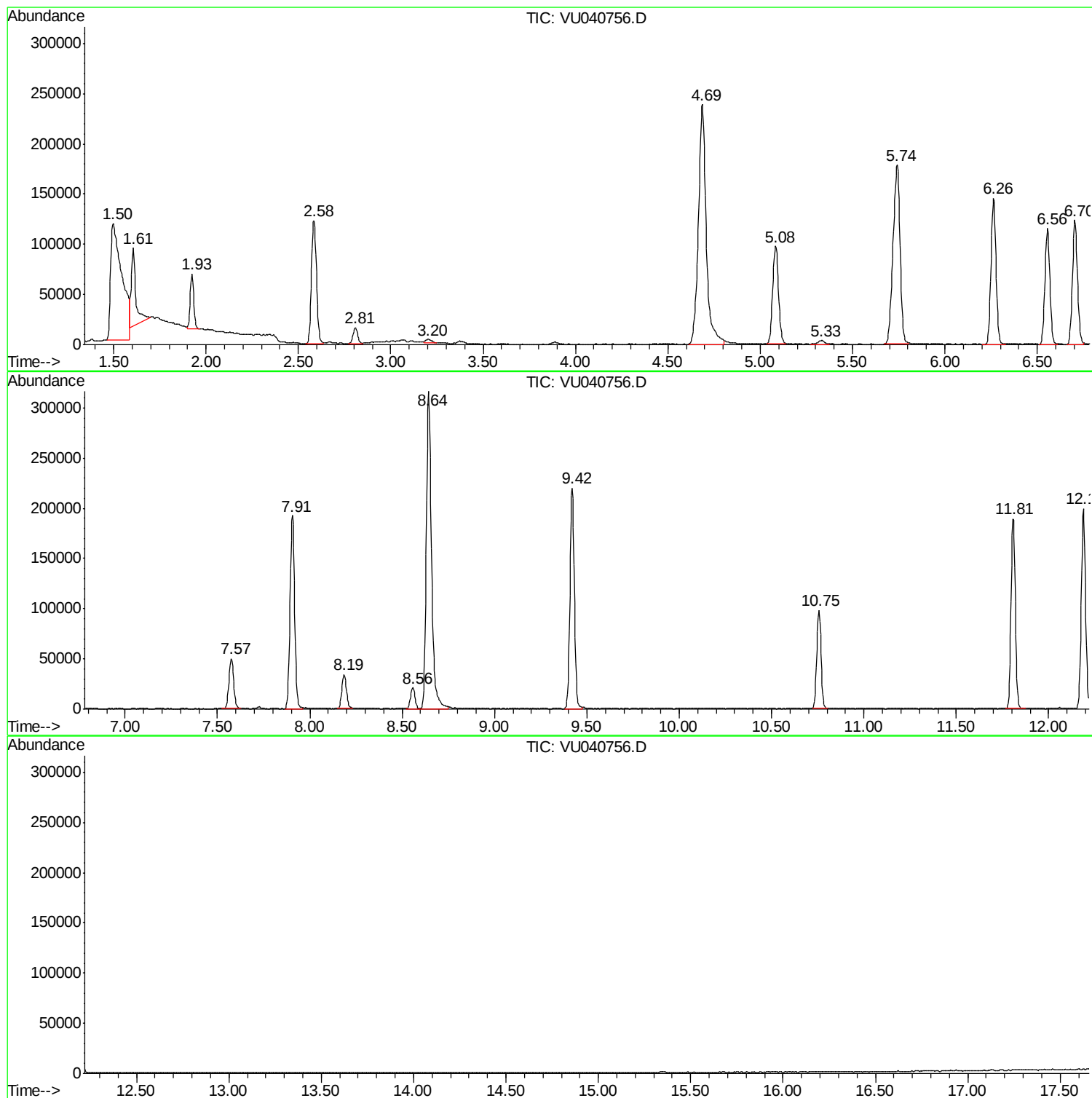
Sum of corrected areas: 5373941

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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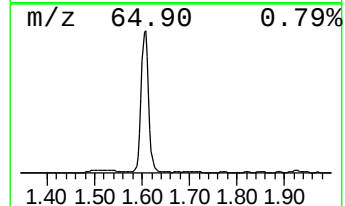
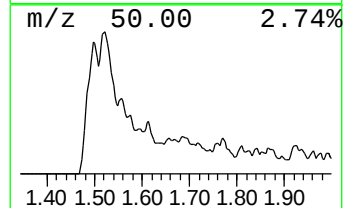
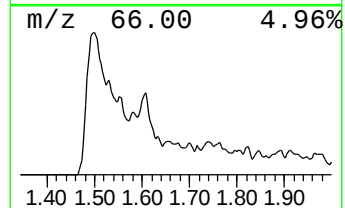
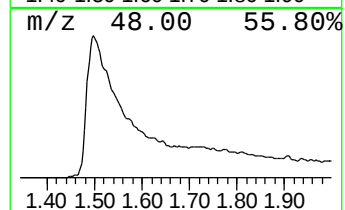
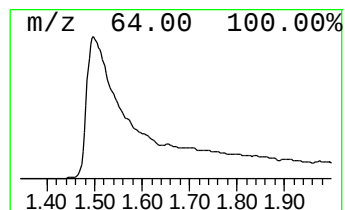
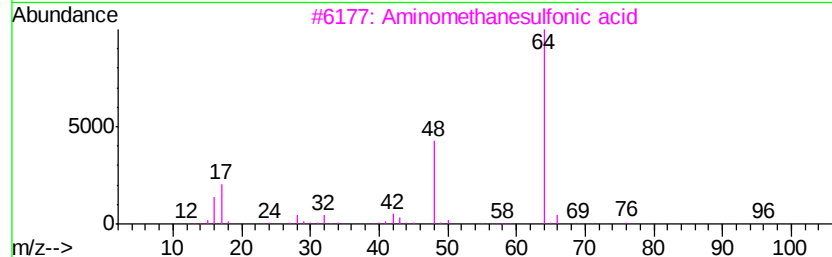
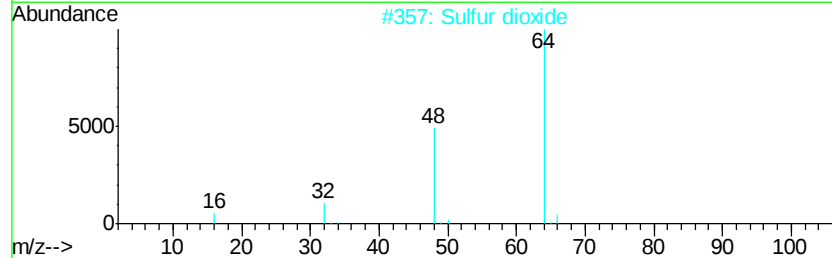
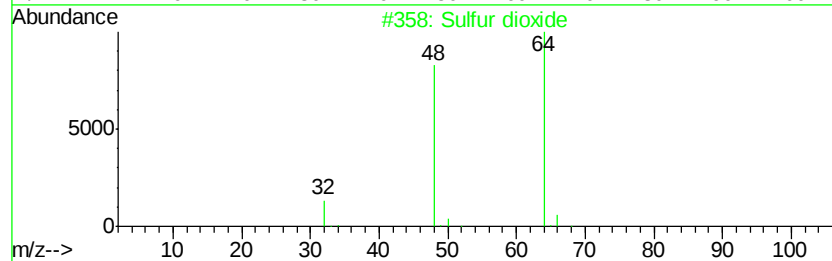
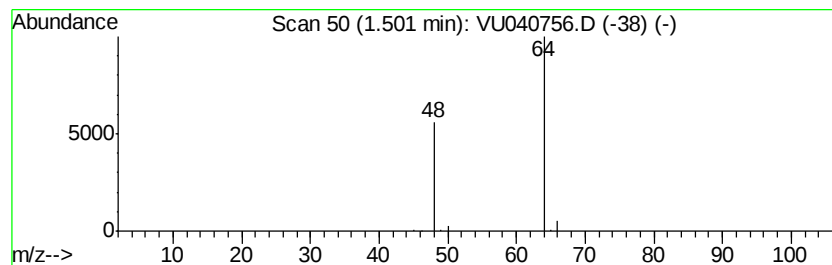
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.50 | 8.89 ug/L | 490407 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | 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   | 1.50 | 8.9     | ug/L  | 490407   | 1                     | 6.26 | 275927 | 5.0  |