

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070720\  
 Data File : VU039328.D  
 Acq On : 07 Jul 2020 20:42  
 Operator : SY/MD  
 Sample : L3193-15  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4282

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\SOMUTR070720WMA.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         | 1.517       | 42            | 55          | 68           | rBV      | 77013          | 274442        | 34.70%          | 4.982%        |
| 2         | 1.610       | 77            | 84          | 93           | rBV2     | 372662         | 420690        | 53.20%          | 7.636%        |
| 3         | 1.922       | 176           | 181         | 197          | rVB      | 56836          | 76590         | 9.68%           | 1.390%        |
| 4         | 2.581       | 375           | 386         | 404          | rBV      | 94979          | 159817        | 20.21%          | 2.901%        |
| 5         | 3.382       | 619           | 635         | 657          | rBV2     | 52791          | 128013        | 16.19%          | 2.324%        |
| 6         | 3.893       | 780           | 794         | 807          | rBV      | 4491           | 9789          | 1.24%           | 0.178%        |
| 7         | 4.687       | 1016          | 1041        | 1087         | rBV4     | 240387         | 790841        | 100.00%         | 14.355%       |
| 8         | 5.086       | 1148          | 1165        | 1185         | rBV      | 91400          | 203229        | 25.70%          | 3.689%        |
| 9         | 5.742       | 1346          | 1369        | 1402         | rBV2     | 180305         | 498586        | 63.05%          | 9.050%        |
| 10        | 6.266       | 1517          | 1532        | 1553         | rBV      | 136993         | 260045        | 32.88%          | 4.720%        |
| 11        | 6.558       | 1614          | 1623        | 1634         | rVB5     | 4869           | 8194          | 1.04%           | 0.149%        |
| 12        | 6.706       | 1655          | 1669        | 1686         | rBV      | 115507         | 227445        | 28.76%          | 4.128%        |
| 13        | 7.575       | 1926          | 1939        | 1954         | rBV      | 66047          | 115746        | 14.64%          | 2.101%        |
| 14        | 7.906       | 2029          | 2042        | 2059         | rBV      | 215884         | 372148        | 47.06%          | 6.755%        |
| 15        | 8.189       | 2118          | 2130        | 2148         | rBV2     | 41491          | 71759         | 9.07%           | 1.303%        |
| 16        | 8.642       | 2258          | 2271        | 2304         | rBV      | 355037         | 694491        | 87.82%          | 12.606%       |
| 17        | 9.423       | 2500          | 2514        | 2530         | rBV      | 191787         | 322093        | 40.73%          | 5.846%        |
| 18        | 10.758      | 2916          | 2929        | 2944         | rBV      | 102339         | 162558        | 20.56%          | 2.951%        |
| 19        | 11.468      | 3137          | 3150        | 3161         | rVB3     | 7090           | 11079         | 1.40%           | 0.201%        |
| 20        | 11.809      | 3242          | 3256        | 3270         | rBV      | 197622         | 320802        | 40.56%          | 5.823%        |
| 21        | 12.188      | 3361          | 3374        | 3389         | rBV      | 230528         | 368261        | 46.57%          | 6.684%        |
| 22        | 15.407      | 4366          | 4375        | 4388         | rVB4     | 7049           | 12576         | 1.59%           | 0.228%        |

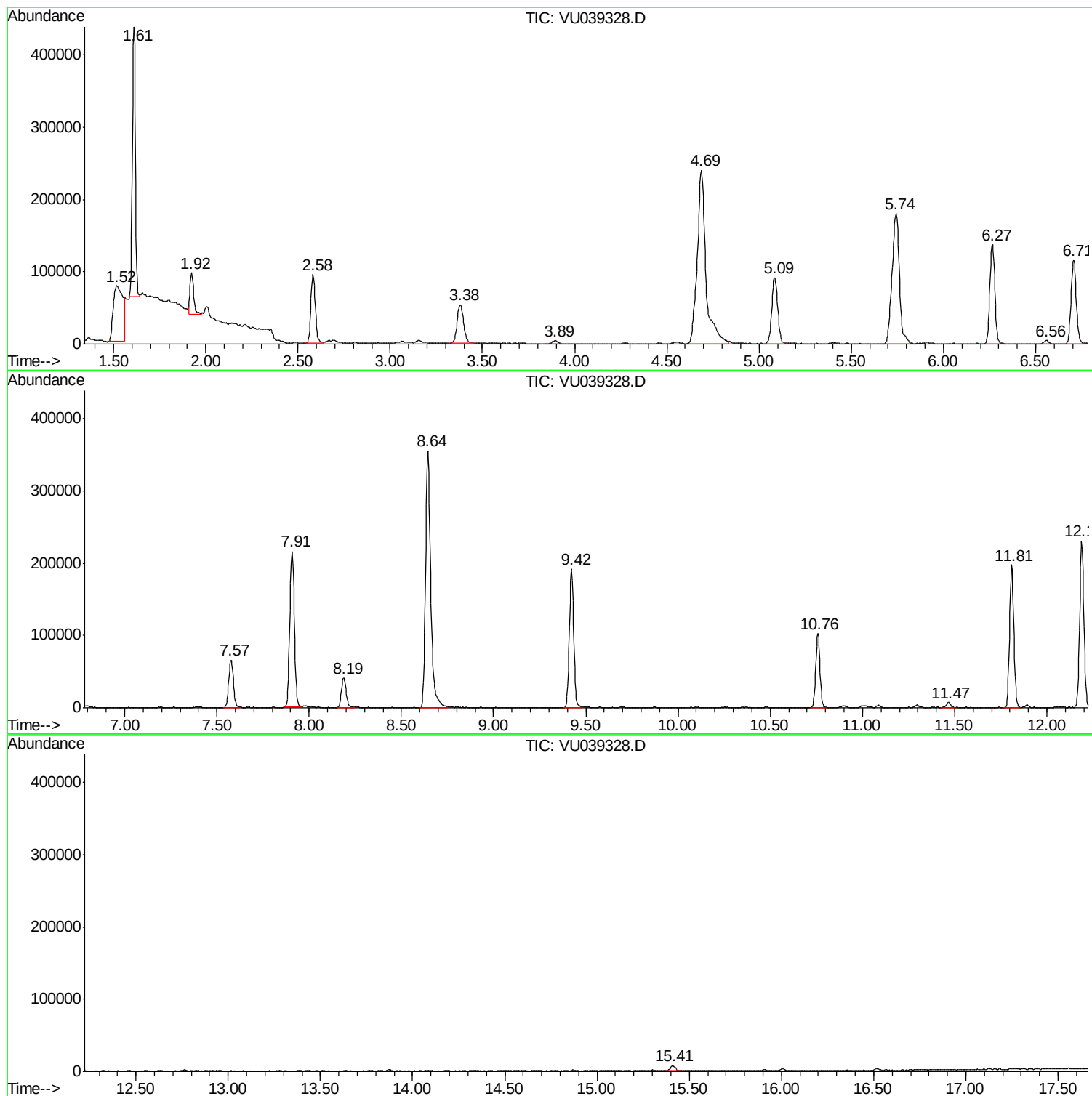
Sum of corrected areas: 5509194

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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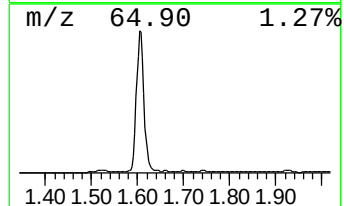
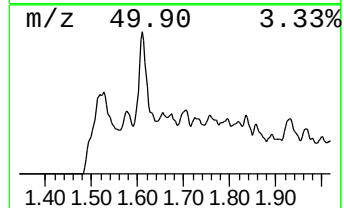
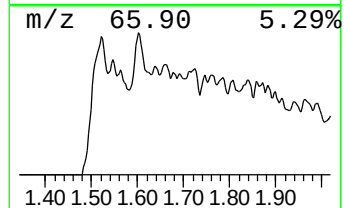
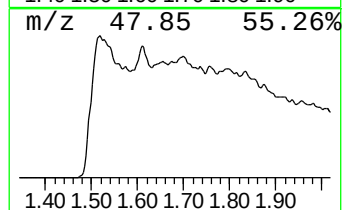
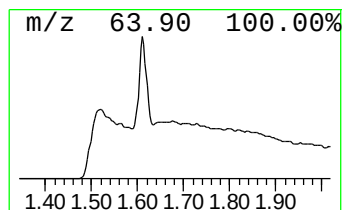
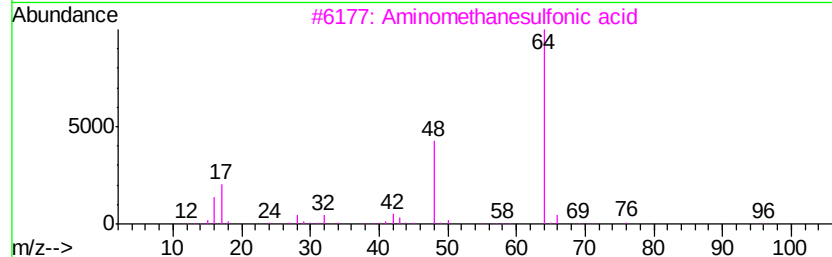
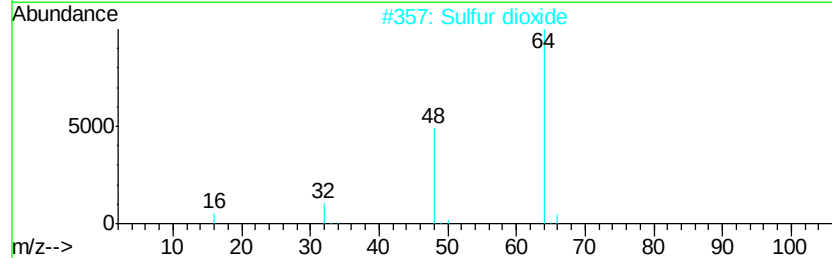
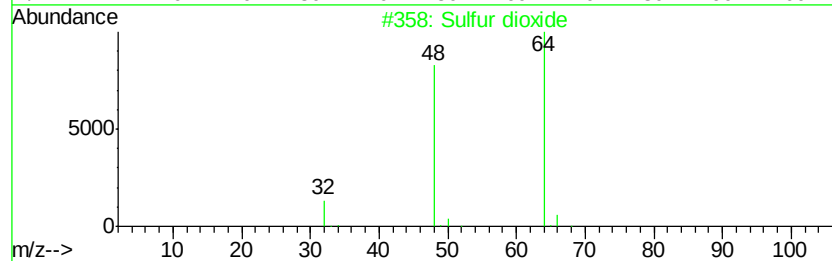
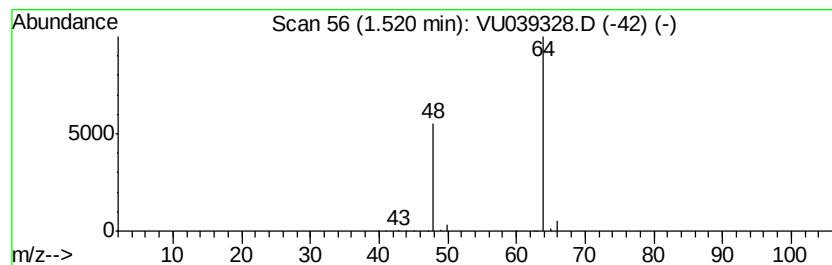
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
Quant Title : TRACE VOA SOM01.0

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. |
|------|-----------|--------|---------------------|------|
| 1.52 | 5.28 ug/L | 274442 | 1,4-Difluorobenzene | 6.27 |

| 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   | 1.52 | 5.3     | ug/L  | 274442   | 1                     | 6.27 | 260045 | 5.0  |