

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062119\  
 Data File : VV011652.D  
 Acq On : 20 Jun 2019 19:35  
 Operator : SY/MD  
 Sample : K3381-20  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFCT8

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\SOMVTR062119WMA.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         | 1.206       | 31            | 36          | 56           | rVB      | 35286          | 62007         | 9.60%           | 1.145%        |
| 2         | 1.315       | 63            | 70          | 79           | rVB      | 81271          | 88157         | 13.65%          | 1.627%        |
| 3         | 1.563       | 141           | 147         | 154          | rVB      | 56865          | 66183         | 10.25%          | 1.222%        |
| 4         | 2.119       | 312           | 320         | 334          | rVB2     | 153916         | 226811        | 35.12%          | 4.187%        |
| 5         | 2.650       | 477           | 485         | 497          | rVB2     | 7528           | 13979         | 2.16%           | 0.258%        |
| 6         | 3.942       | 873           | 887         | 916          | rBV      | 101474         | 284158        | 44.00%          | 5.246%        |
| 7         | 4.399       | 1010          | 1029        | 1057         | rBV2     | 96908          | 261251        | 40.45%          | 4.823%        |
| 8         | 4.653       | 1089          | 1108        | 1126         | rBV      | 70321          | 173318        | 26.84%          | 3.200%        |
| 9         | 5.093       | 1225          | 1245        | 1272         | rBV3     | 254378         | 611549        | 94.70%          | 11.289%       |
| 10        | 5.663       | 1408          | 1422        | 1447         | rBV      | 197022         | 399252        | 61.82%          | 7.370%        |
| 11        | 5.962       | 1501          | 1515        | 1528         | rBV9     | 9399           | 20979         | 3.25%           | 0.387%        |
| 12        | 6.116       | 1547          | 1563        | 1581         | rBV      | 146565         | 297063        | 46.00%          | 5.484%        |
| 13        | 7.029       | 1836          | 1847        | 1861         | rBV      | 61846          | 110763        | 17.15%          | 2.045%        |
| 14        | 7.357       | 1934          | 1949        | 1963         | rBV      | 274791         | 480677        | 74.43%          | 8.874%        |
| 15        | 7.431       | 1963          | 1972        | 1992         | rVB      | 47704          | 91308         | 14.14%          | 1.686%        |
| 16        | 7.662       | 2032          | 2044        | 2056         | rBV      | 38816          | 66617         | 10.32%          | 1.230%        |
| 17        | 8.013       | 2146          | 2153        | 2167         | rVB7     | 9700           | 21093         | 3.27%           | 0.389%        |
| 18        | 8.132       | 2178          | 2190        | 2212         | rBV      | 368255         | 645802        | 100.00%         | 11.922%       |
| 19        | 8.894       | 2414          | 2427        | 2447         | rBV      | 287683         | 477067        | 73.87%          | 8.807%        |
| 20        | 10.260      | 2841          | 2852        | 2864         | rBV      | 105847         | 166760        | 25.82%          | 3.078%        |
| 21        | 10.424      | 2893          | 2903        | 2912         | rBV2     | 12153          | 19006         | 2.94%           | 0.351%        |
| 22        | 11.293      | 3162          | 3173        | 3193         | rBV      | 243537         | 409281        | 63.38%          | 7.556%        |
| 23        | 11.582      | 3253          | 3263        | 3270         | rBV9     | 4545           | 7547          | 1.17%           | 0.139%        |
| 24        | 11.672      | 3277          | 3291        | 3308         | rBV      | 248464         | 407985        | 63.17%          | 7.532%        |
| 25        | 12.293      | 3476          | 3484        | 3494         | rVB3     | 5393           | 8361          | 1.29%           | 0.154%        |

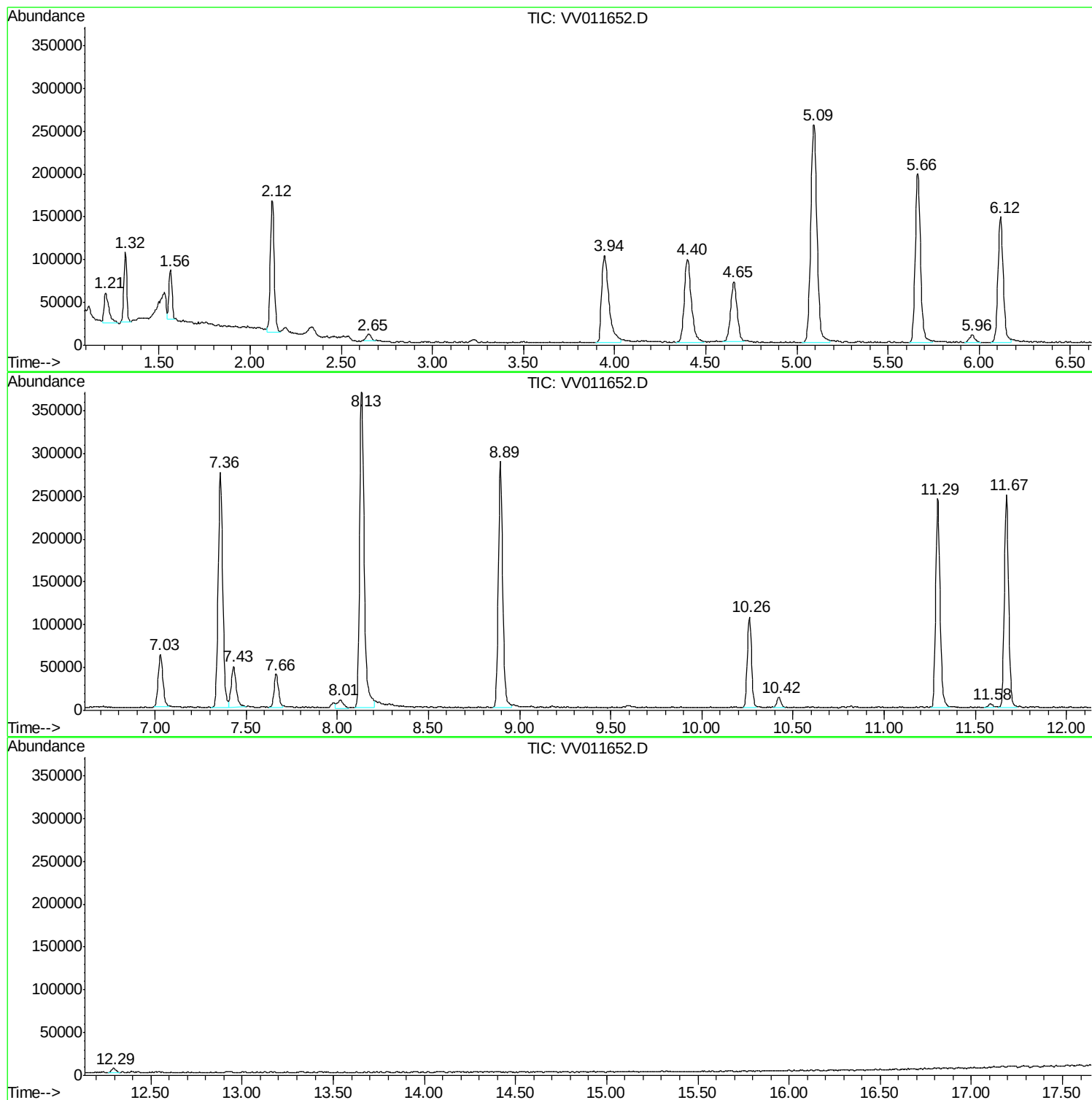
Sum of corrected areas: 5416974

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MSVOA\_V  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR062119WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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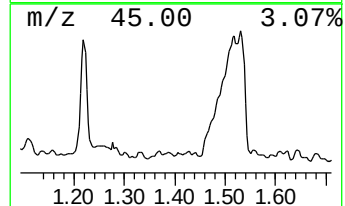
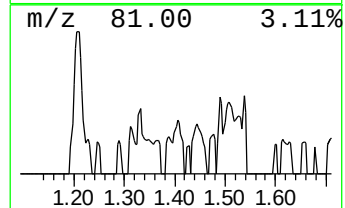
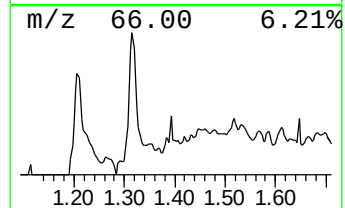
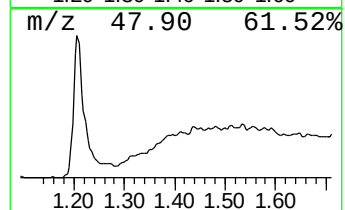
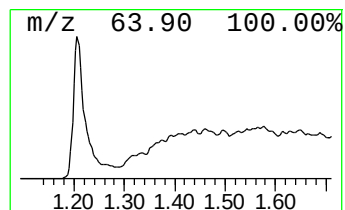
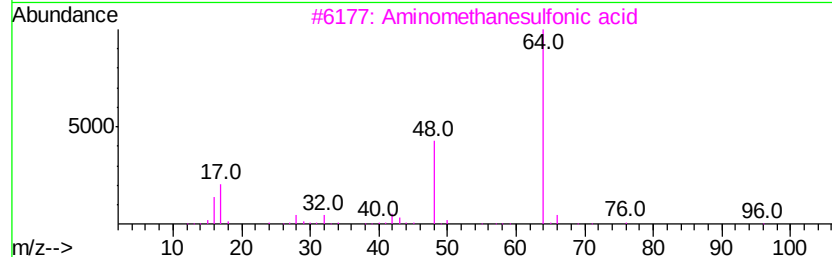
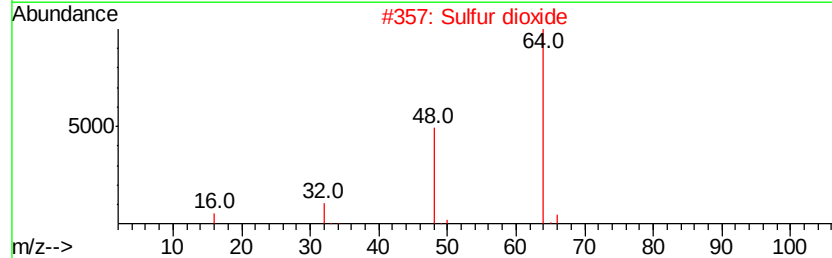
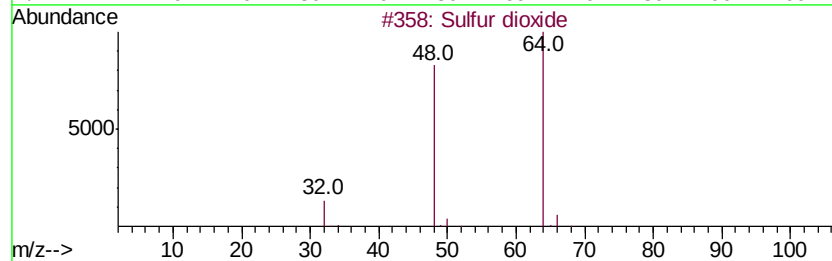
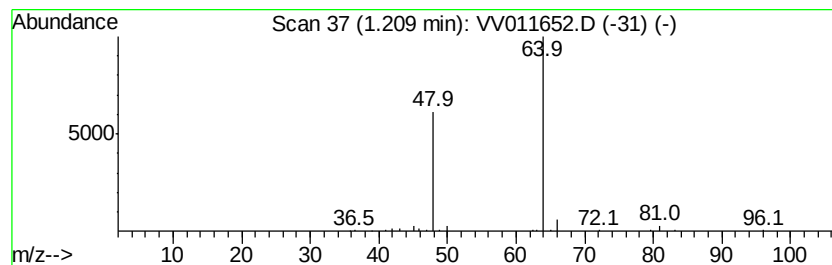
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Quant Title : TRACE VOA SOM01.0

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. |
|------|-----------|-------|---------------------|------|
| 1.21 | 0.78 ug/L | 62007 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide                | 64  | O2S      | 007446-09-5 | 90   |
| 2    |    |   | Sulfur dioxide                | 64  | O2S      | 007446-09-5 | 90   |
| 3    |    |   | Aminomethanesulfonic acid     | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 4    |    |   | 2-Aminoethyl hydrogen sulfate | 141 | C2H7NO4S | 000926-39-6 | 74   |
| 5    |    |   | Aminomethanesulfonic acid     | 111 | CH5NO3S  | 013881-91-9 | 64   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.21 | 0.8     | ug/L  | 62007    | 1                     | 5.66 | 399252 | 5.0  |