

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\  
 Data File : VV013746.D  
 Acq On : 22 Nov 2019 20:12  
 Operator : SY/MD  
 Sample : VIBLK40  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK40

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         | 1.206       | 29            | 36          | 57           | rBV      | 129760         | 245589        | 20.28%          | 2.331%        |
| 2         | 1.315       | 62            | 70          | 84           | rVB      | 192996         | 204112        | 16.85%          | 1.937%        |
| 3         | 1.579       | 145           | 152         | 167          | rVB      | 161926         | 187289        | 15.46%          | 1.777%        |
| 4         | 2.126       | 313           | 322         | 337          | rVB      | 295878         | 429808        | 35.49%          | 4.079%        |
| 5         | 2.534       | 434           | 449         | 463          | rBV      | 45733          | 82838         | 6.84%           | 0.786%        |
| 6         | 3.923       | 869           | 881         | 919          | rBV      | 171780         | 490044        | 40.46%          | 4.650%        |
| 7         | 4.396       | 1009          | 1028        | 1047         | rBV      | 211998         | 531151        | 43.85%          | 5.040%        |
| 8         | 5.093       | 1224          | 1245        | 1268         | rBV2     | 481636         | 1204644       | 99.46%          | 11.431%       |
| 9         | 5.659       | 1407          | 1421        | 1443         | rBV      | 393886         | 789246        | 65.16%          | 7.490%        |
| 10        | 5.949       | 1496          | 1511        | 1526         | rBV9     | 22189          | 55655         | 4.59%           | 0.528%        |
| 11        | 6.113       | 1547          | 1562        | 1584         | rBV      | 282339         | 570321        | 47.09%          | 5.412%        |
| 12        | 7.026       | 1835          | 1846        | 1862         | rBV2     | 130455         | 238045        | 19.65%          | 2.259%        |
| 13        | 7.357       | 1936          | 1949        | 1968         | rBV      | 553791         | 965982        | 79.75%          | 9.167%        |
| 14        | 7.659       | 2034          | 2043        | 2056         | rBV2     | 80296          | 138971        | 11.47%          | 1.319%        |
| 15        | 8.129       | 2179          | 2189        | 2225         | rBV2     | 545358         | 1211225       | 100.00%         | 11.494%       |
| 16        | 8.891       | 2412          | 2426        | 2450         | rBV      | 606043         | 1008313       | 83.25%          | 9.568%        |
| 17        | 10.257      | 2838          | 2851        | 2863         | rBV      | 210187         | 337382        | 27.85%          | 3.202%        |
| 18        | 11.289      | 3160          | 3172        | 3192         | rBV      | 568987         | 910580        | 75.18%          | 8.641%        |
| 19        | 11.665      | 3278          | 3289        | 3308         | rVB      | 572398         | 922804        | 76.19%          | 8.757%        |
| 20        | 12.286      | 3473          | 3482        | 3486         | rBV5     | 9658           | 13945         | 1.15%           | 0.132%        |

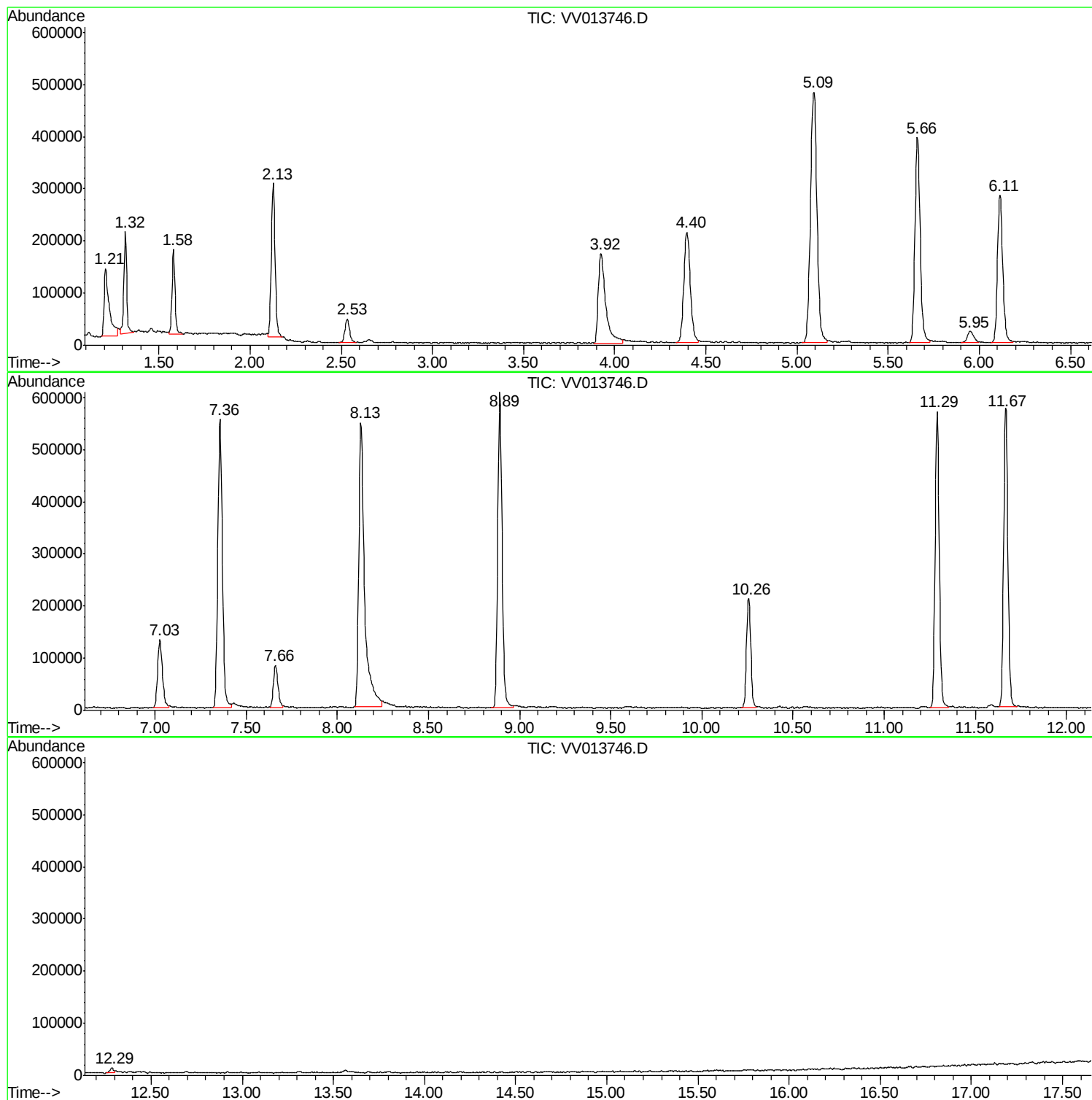
Sum of corrected areas: 10537944

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Instrument :  
MSVOA\_V  
ClientSampled :  
VIBLK40

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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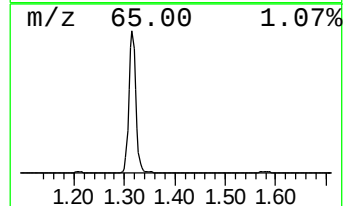
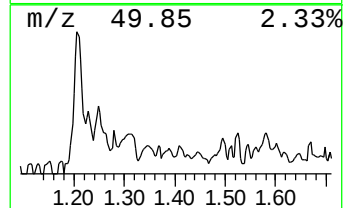
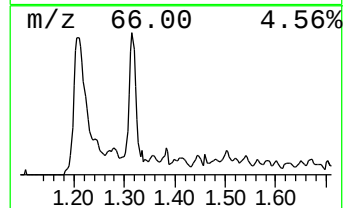
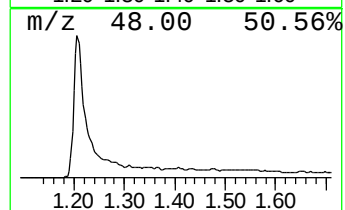
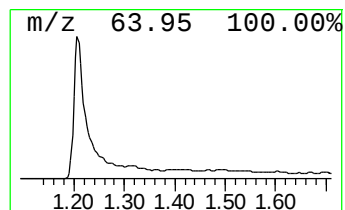
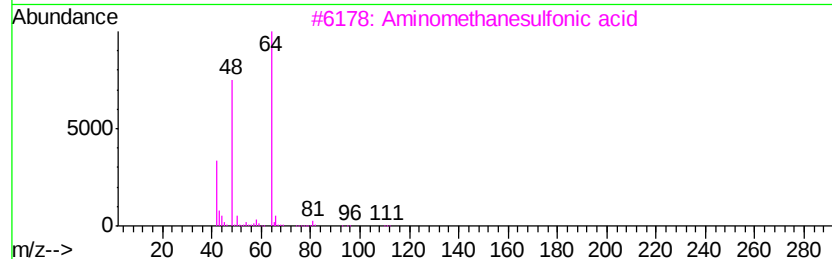
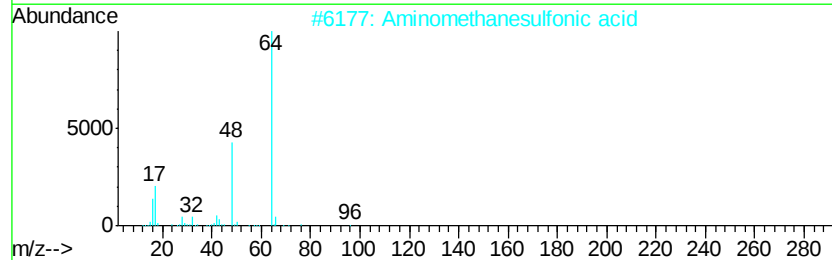
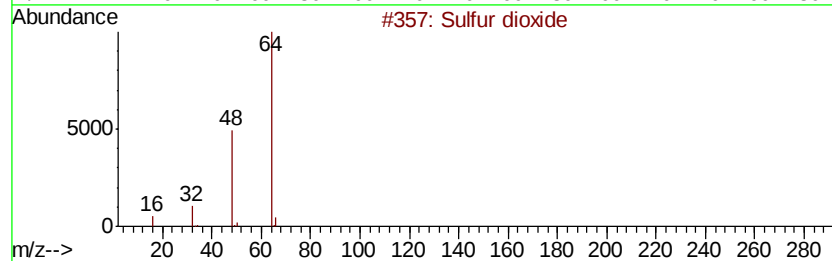
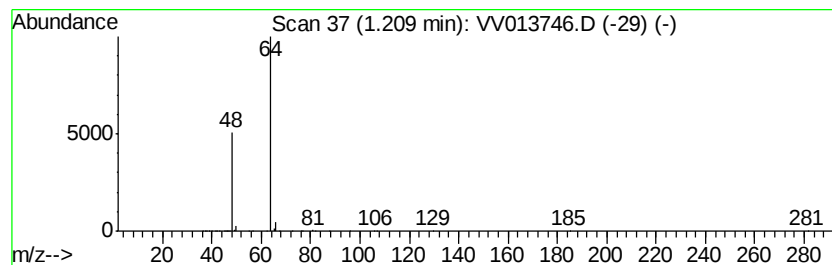
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.21 | 1.56 ug/L | 245589 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Sulfur dioxide                      | 64  | O2S        | 007446-09-5 | 83   |
| 2    |    | Aminomethanesulfonic acid           | 111 | CH5NO3S    | 013881-91-9 | 74   |
| 3    |    | Aminomethanesulfonic acid           | 111 | CH5NO3S    | 013881-91-9 | 64   |
| 4    |    | L-Alanine, 3-sulfo-                 | 169 | C3H7NO5S   | 000498-40-8 | 64   |
| 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   | 1.21 | 1.6     | ug/L  | 245589   | 1                     | 5.66 | 789246 | 5.0  |