

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112519\  
 Data File : VV013765.D  
 Acq On : 25 Nov 2019 14:59  
 Operator : SY/MD  
 Sample : K5941-08DL 4X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 B0AC0DL

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         | 1.209       | 29            | 37          | 64           | rBV      | 1243849        | 2787640       | 100.00%         | 19.373%       |
| 2         | 1.315       | 66            | 70          | 83           | rVB      | 209895         | 286910        | 10.29%          | 1.994%        |
| 3         | 1.582       | 148           | 153         | 163          | rVB      | 149997         | 169288        | 6.07%           | 1.176%        |
| 4         | 2.132       | 314           | 324         | 349          | rVB4     | 428096         | 788331        | 28.28%          | 5.479%        |
| 5         | 3.225       | 647           | 664         | 684          | rBV      | 296783         | 619263        | 22.21%          | 4.304%        |
| 6         | 3.955       | 874           | 891         | 928          | rBV      | 123667         | 483093        | 17.33%          | 3.357%        |
| 7         | 4.396       | 1010          | 1028        | 1051         | rBV2     | 211603         | 549832        | 19.72%          | 3.821%        |
| 8         | 5.093       | 1225          | 1245        | 1271         | rBV2     | 473336         | 1165426       | 41.81%          | 8.099%        |
| 9         | 5.659       | 1406          | 1421        | 1448         | rBV      | 416738         | 836844        | 30.02%          | 5.816%        |
| 10        | 5.958       | 1501          | 1514        | 1531         | rBV2     | 274555         | 544014        | 19.52%          | 3.781%        |
| 11        | 6.113       | 1547          | 1562        | 1586         | rBV      | 274012         | 550363        | 19.74%          | 3.825%        |
| 12        | 7.026       | 1833          | 1846        | 1868         | rBV      | 126099         | 236725        | 8.49%           | 1.645%        |
| 13        | 7.357       | 1935          | 1949        | 1966         | rBV      | 535513         | 934551        | 33.52%          | 6.495%        |
| 14        | 7.659       | 2031          | 2043        | 2061         | rBV2     | 77868          | 139705        | 5.01%           | 0.971%        |
| 15        | 8.138       | 2180          | 2192        | 2234         | rBV2     | 451956         | 1099612       | 39.45%          | 7.642%        |
| 16        | 8.891       | 2414          | 2426        | 2445         | rBV      | 643226         | 1033717       | 37.08%          | 7.184%        |
| 17        | 10.257      | 2837          | 2851        | 2869         | rBV      | 210615         | 339773        | 12.19%          | 2.361%        |
| 18        | 11.289      | 3158          | 3172        | 3193         | rBV      | 606149         | 946137        | 33.94%          | 6.575%        |
| 19        | 11.666      | 3276          | 3289        | 3308         | rBV      | 549586         | 878193        | 31.50%          | 6.103%        |

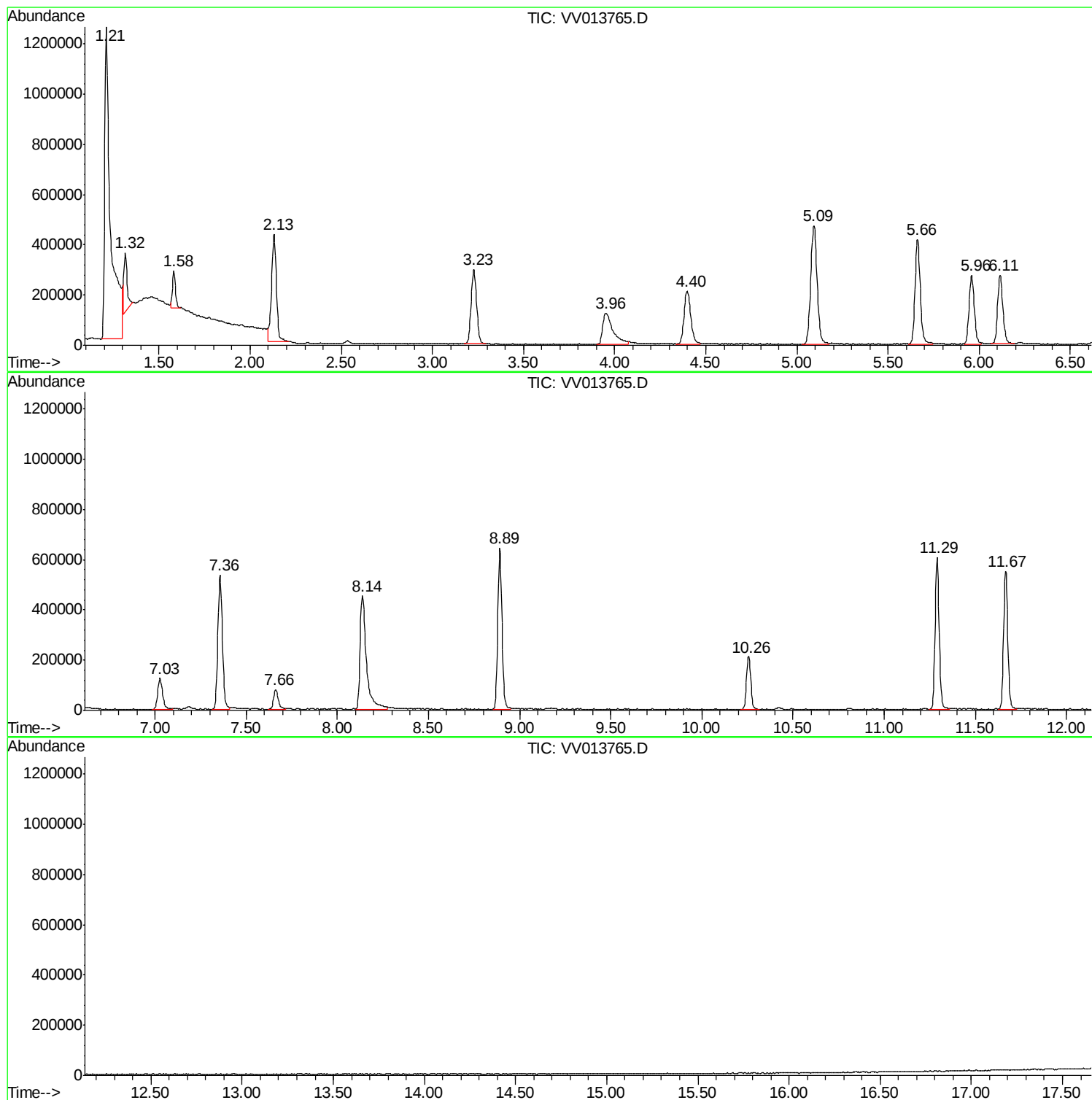
Sum of corrected areas: 14389417

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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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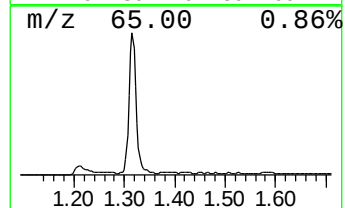
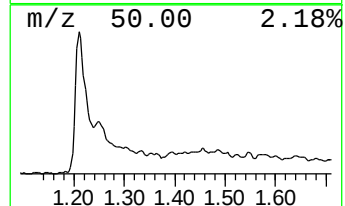
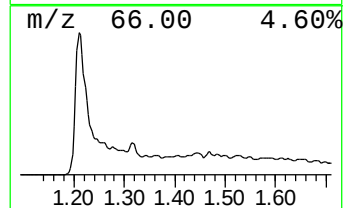
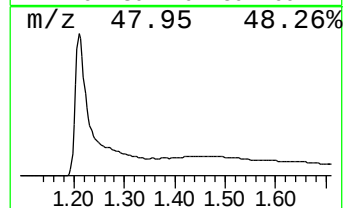
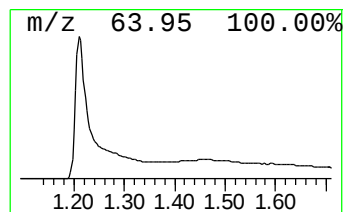
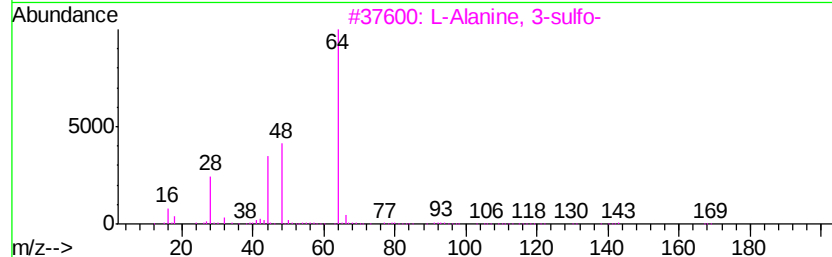
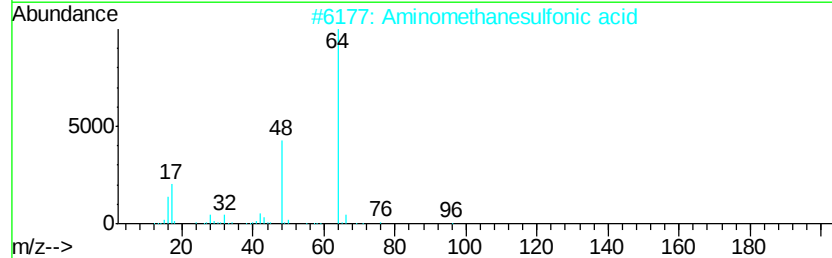
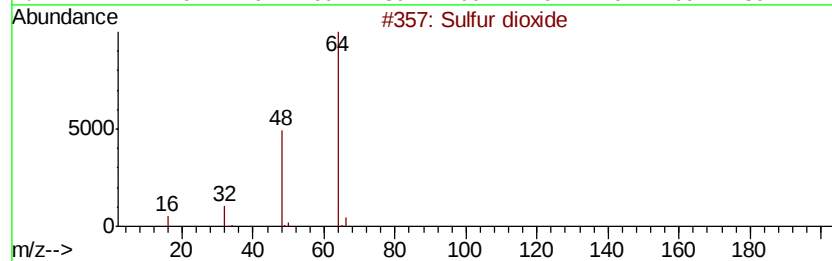
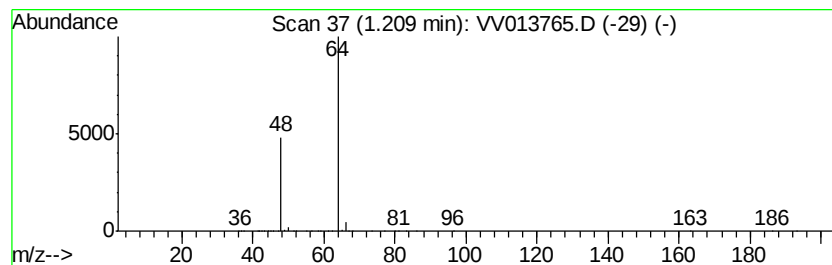
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 1.21 | 16.66 ug/L | 2787640 | 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    |    | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 4    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.21 | 16.7    | ug/L  | 2787640  | 1                     | 5.66 | 836844 | 5.0  |