

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071718\  
 Data File : VV006624.D  
 Acq On : 17 Jul 2018 18:38  
 Operator : SY/MD  
 Sample : J3983-21  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DB1A2

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\SOMVTR071718WMA.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         | 1.029       | 26            | 43          | 62           | rBV      | 1767817        | 2301074       | 100.00%         | 21.196%       |
| 2         | 1.244       | 101           | 110         | 125          | rBV      | 149019         | 495711        | 21.54%          | 4.566%        |
| 3         | 1.318       | 130           | 133         | 163          | rVB      | 232292         | 428019        | 18.60%          | 3.943%        |
| 4         | 1.572       | 206           | 212         | 238          | rVB      | 121148         | 171540        | 7.45%           | 1.580%        |
| 5         | 2.131       | 376           | 386         | 397          | rVB      | 257651         | 361370        | 15.70%          | 3.329%        |
| 6         | 2.318       | 438           | 444         | 457          | rVB      | 24876          | 38751         | 1.68%           | 0.357%        |
| 7         | 3.961       | 936           | 955         | 998          | rBV2     | 134624         | 427352        | 18.57%          | 3.937%        |
| 8         | 4.408       | 1076          | 1094        | 1117         | rBV      | 162636         | 383825        | 16.68%          | 3.536%        |
| 9         | 5.099       | 1289          | 1309        | 1332         | rBV2     | 417297         | 947971        | 41.20%          | 8.732%        |
| 10        | 5.668       | 1471          | 1486        | 1508         | rBV      | 284705         | 554135        | 24.08%          | 5.104%        |
| 11        | 6.125       | 1610          | 1628        | 1655         | rBV      | 225730         | 449084        | 19.52%          | 4.137%        |
| 12        | 7.035       | 1898          | 1911        | 1932         | rBV      | 106630         | 186655        | 8.11%           | 1.719%        |
| 13        | 7.366       | 1998          | 2014        | 2033         | rBV      | 463290         | 798309        | 34.69%          | 7.354%        |
| 14        | 7.668       | 2093          | 2108        | 2133         | rBV      | 63645          | 108456        | 4.71%           | 0.999%        |
| 15        | 8.141       | 2241          | 2255        | 2292         | rBV      | 606681         | 1028987       | 44.72%          | 9.479%        |
| 16        | 8.903       | 2478          | 2492        | 2521         | rBV      | 397319         | 651309        | 28.30%          | 6.000%        |
| 17        | 10.269      | 2902          | 2917        | 2934         | rBV      | 171520         | 271209        | 11.79%          | 2.498%        |
| 18        | 11.302      | 3226          | 3238        | 3264         | rBV      | 371138         | 583261        | 25.35%          | 5.373%        |
| 19        | 11.678      | 3343          | 3355        | 3379         | rVB      | 420465         | 668947        | 29.07%          | 6.162%        |

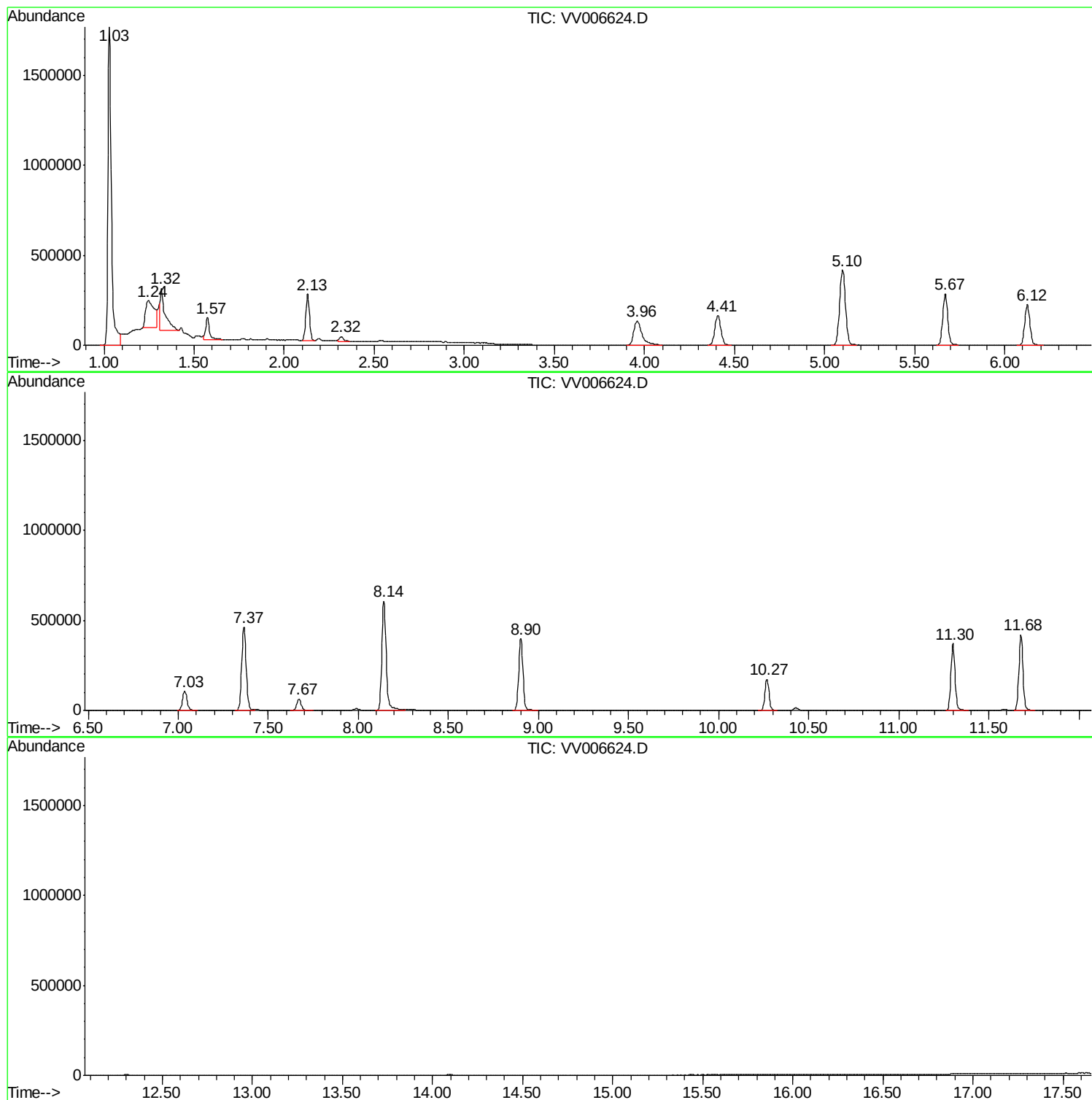
Sum of corrected areas: 10855965

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DB1A2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071718WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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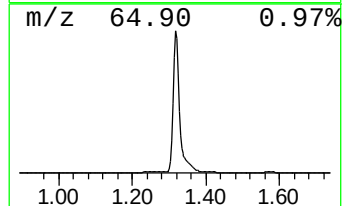
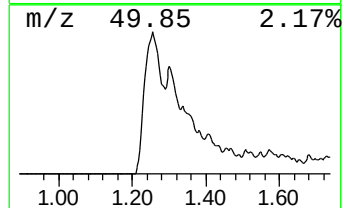
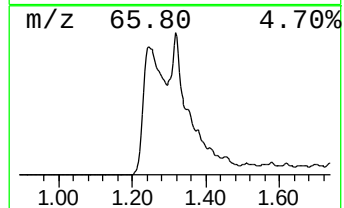
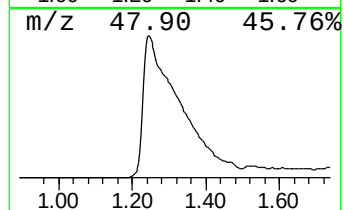
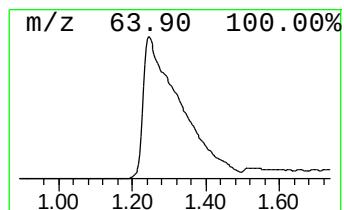
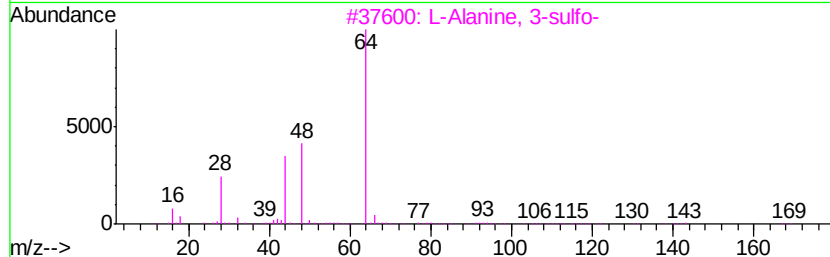
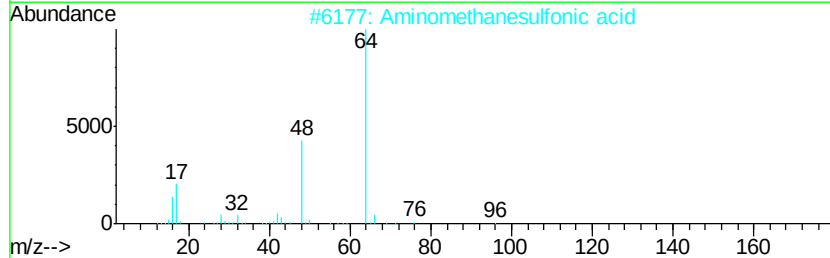
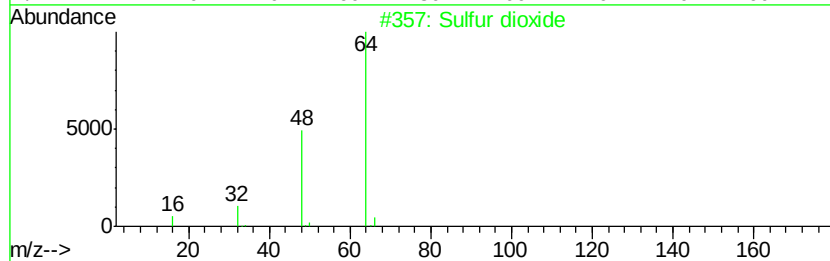
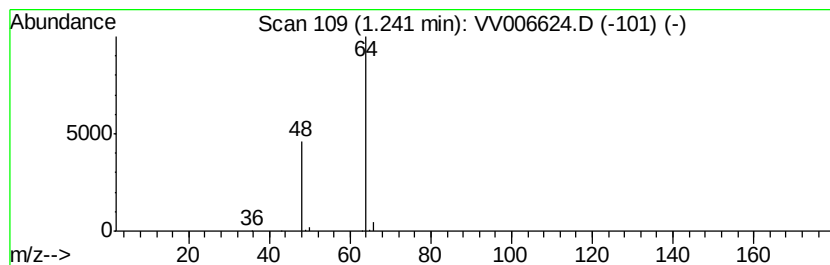
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Sulfur dioxide Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.24 | 4.47 ug/L | 495711 | 1,4-Difluorobenzene | 5.67 |

| 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    |    | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 5    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.24 | 4.5     | ug/L  | 495711   | 1                     | 5.67 | 554135 | 5.0  |