

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\  
 Data File : VX002748.D  
 Acq On : 20 Jun 2018 18:07  
 Operator : JC/MD  
 Sample : J3597-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 W-22

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Title : SW846 8260

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         | 1.075       | 76            | 80          | 89           | rBV      | 1132636        | 1411682       | 79.83%          | 14.098%       |
| 2         | 1.148       | 89            | 92          | 95           | rBV      | 32482          | 40505         | 2.29%           | 0.405%        |
| 3         | 1.270       | 108           | 112         | 114          | rBV      | 149042         | 173244        | 9.80%           | 1.730%        |
| 4         | 1.319       | 114           | 120         | 146          | rVB      | 537558         | 1768275       | 100.00%         | 17.659%       |
| 5         | 2.654       | 331           | 339         | 342          | rBV      | 8167           | 22666         | 1.28%           | 0.226%        |
| 6         | 5.507       | 795           | 807         | 819          | rBV      | 155004         | 440743        | 24.93%          | 4.402%        |
| 7         | 5.666       | 819           | 833         | 851          | rVB      | 228696         | 644195        | 36.43%          | 6.433%        |
| 8         | 6.074       | 889           | 900         | 915          | rBV      | 161122         | 426220        | 24.10%          | 4.257%        |
| 9         | 6.867       | 1019          | 1030        | 1051         | rBV      | 335057         | 776475        | 43.91%          | 7.754%        |
| 10        | 8.659       | 1317          | 1324        | 1327         | rBV      | 15694          | 25746         | 1.46%           | 0.257%        |
| 11        | 8.720       | 1327          | 1334        | 1341         | rVV      | 806819         | 1227995       | 69.45%          | 12.264%       |
| 12        | 8.787       | 1341          | 1345        | 1352         | rVB      | 20962          | 34634         | 1.96%           | 0.346%        |
| 13        | 10.116      | 1556          | 1563        | 1580         | rBV      | 704317         | 989980        | 55.99%          | 9.887%        |
| 14        | 11.140      | 1723          | 1731        | 1746         | rBV      | 708335         | 897171        | 50.74%          | 8.960%        |
| 15        | 11.927      | 1853          | 1860        | 1862         | rBV      | 12332          | 18638         | 1.05%           | 0.186%        |
| 16        | 12.085      | 1880          | 1886        | 1896         | rBV      | 815258         | 1085658       | 61.40%          | 10.842%       |
| 17        | 14.384      | 2257          | 2263        | 2267         | rBV      | 22979          | 29480         | 1.67%           | 0.294%        |

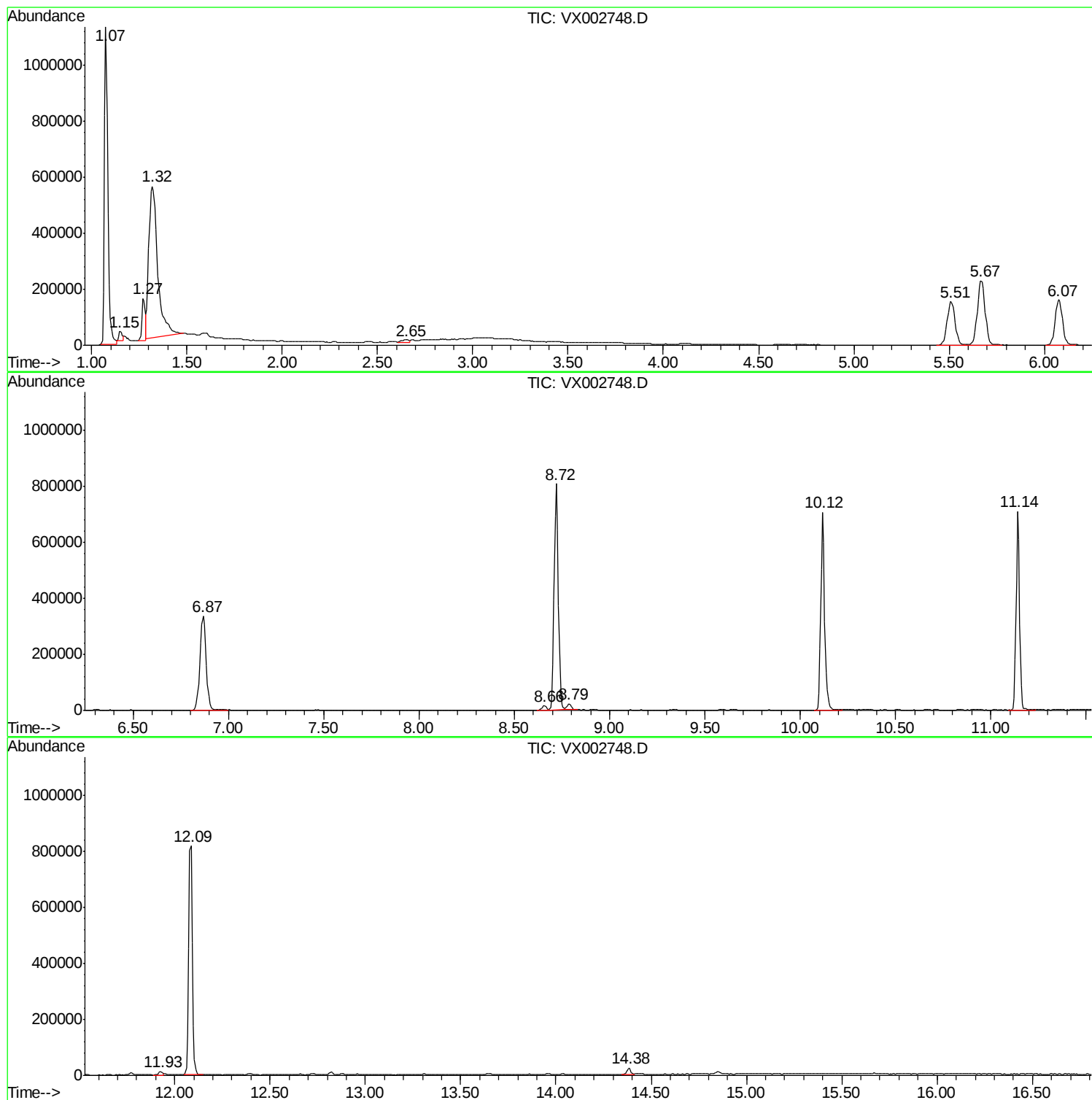
Sum of corrected areas: 10013307

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

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



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Quant Title : SW846 8260

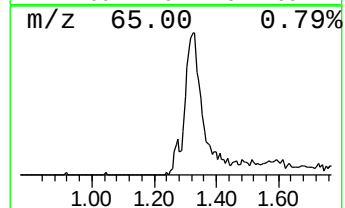
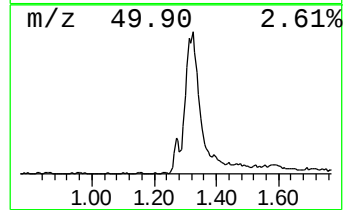
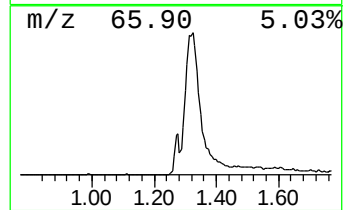
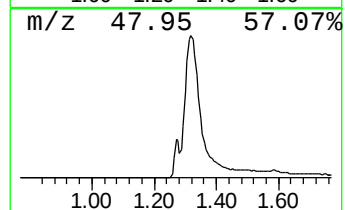
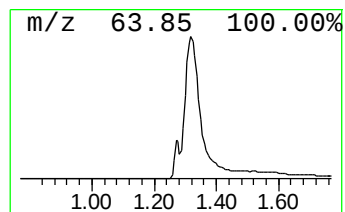
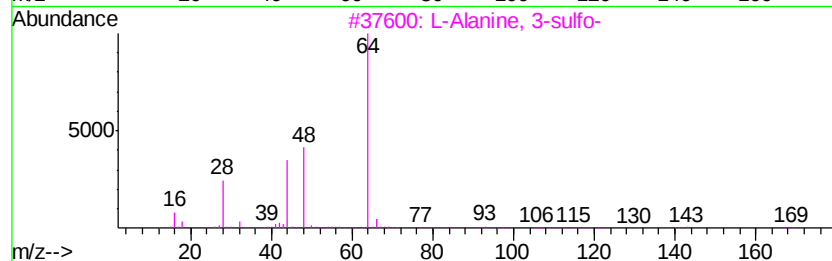
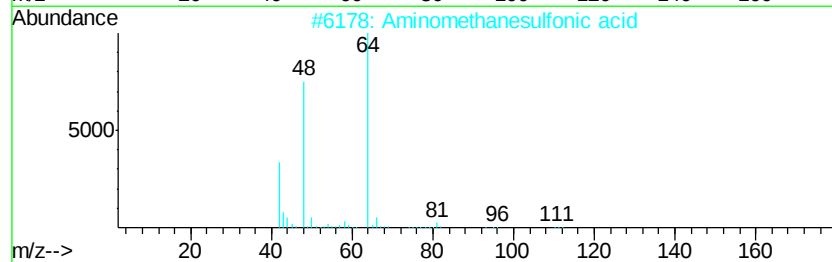
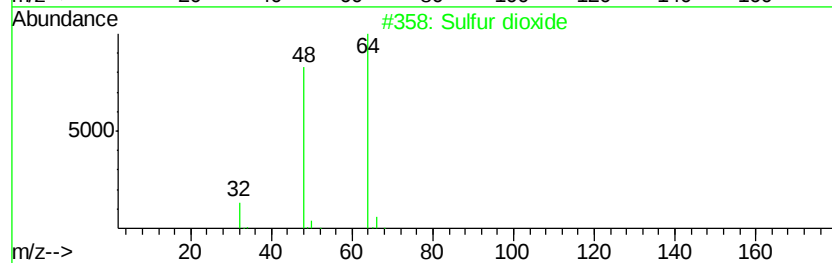
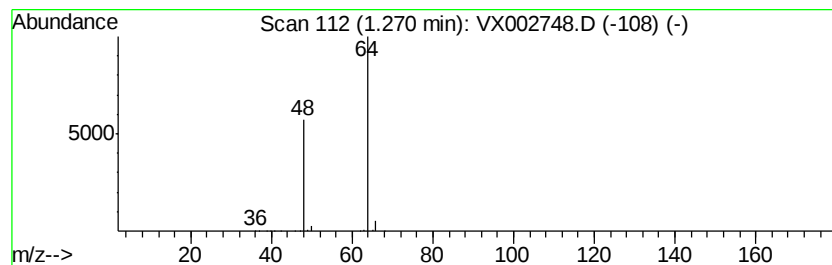
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Sulfur dioxide Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 1.27 | 13.45 ug/l | 173244 | Pentafluorobenzene | 5.67 |

| Hit# of | 5                         | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|---------------------------|--------------|-----|----------|-------------|------|
| 1       | Sulfur dioxide            |              | 64  | O2S      | 007446-09-5 | 83   |
| 2       | Aminomethanesulfonic acid |              | 111 | CH5NO3S  | 013881-91-9 | 64   |
| 3       | L-Alanine, 3-sulfo-       |              | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4       | Ethene, 1,1-difluoro-     |              | 64  | C2H2F2   | 000075-38-7 | 4    |
| 5       | Ethyl Chloride            |              | 64  | C2H5Cl   | 000075-00-3 | 3    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.27 | 13.4    | ug/l  | 173244   | 1                     | 5.67 | 644195 | 50.0 |