

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\  
Data File : VX002032.D  
Acq On : 26 May 2018 21:13  
Operator : JC/MD  
Sample : J3118-15  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW720-180521

## 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 : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.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          | 94           | rBV      | 2605671        | 3110506       | 100.00%         | 24.695%       |
| 2         | 1.355       | 119           | 126         | 128          | rBV      | 45282          | 108395        | 3.48%           | 0.861%        |
| 3         | 1.404       | 132           | 134         | 146          | rVB      | 37313          | 90139         | 2.90%           | 0.716%        |
| 4         | 4.611       | 647           | 660         | 670          | rBV3     | 9880           | 34801         | 1.12%           | 0.276%        |
| 5         | 5.513       | 795           | 808         | 822          | rBV      | 246728         | 711897        | 22.89%          | 5.652%        |
| 6         | 5.672       | 822           | 834         | 850          | rVB      | 313660         | 878807        | 28.25%          | 6.977%        |
| 7         | 6.074       | 889           | 900         | 916          | rBV      | 278143         | 725389        | 23.32%          | 5.759%        |
| 8         | 6.867       | 1020          | 1030        | 1047         | rBV      | 434615         | 1034096       | 33.25%          | 8.210%        |
| 9         | 8.720       | 1326          | 1334        | 1354         | rBV      | 1324056        | 2088418       | 67.14%          | 16.580%       |
| 10        | 10.116      | 1556          | 1563        | 1578         | rBV      | 863056         | 1190677       | 38.28%          | 9.453%        |
| 11        | 11.140      | 1725          | 1731        | 1743         | rBV      | 1087654        | 1400023       | 45.01%          | 11.115%       |
| 12        | 12.085      | 1880          | 1886        | 1899         | rVB      | 963738         | 1222785       | 39.31%          | 9.708%        |

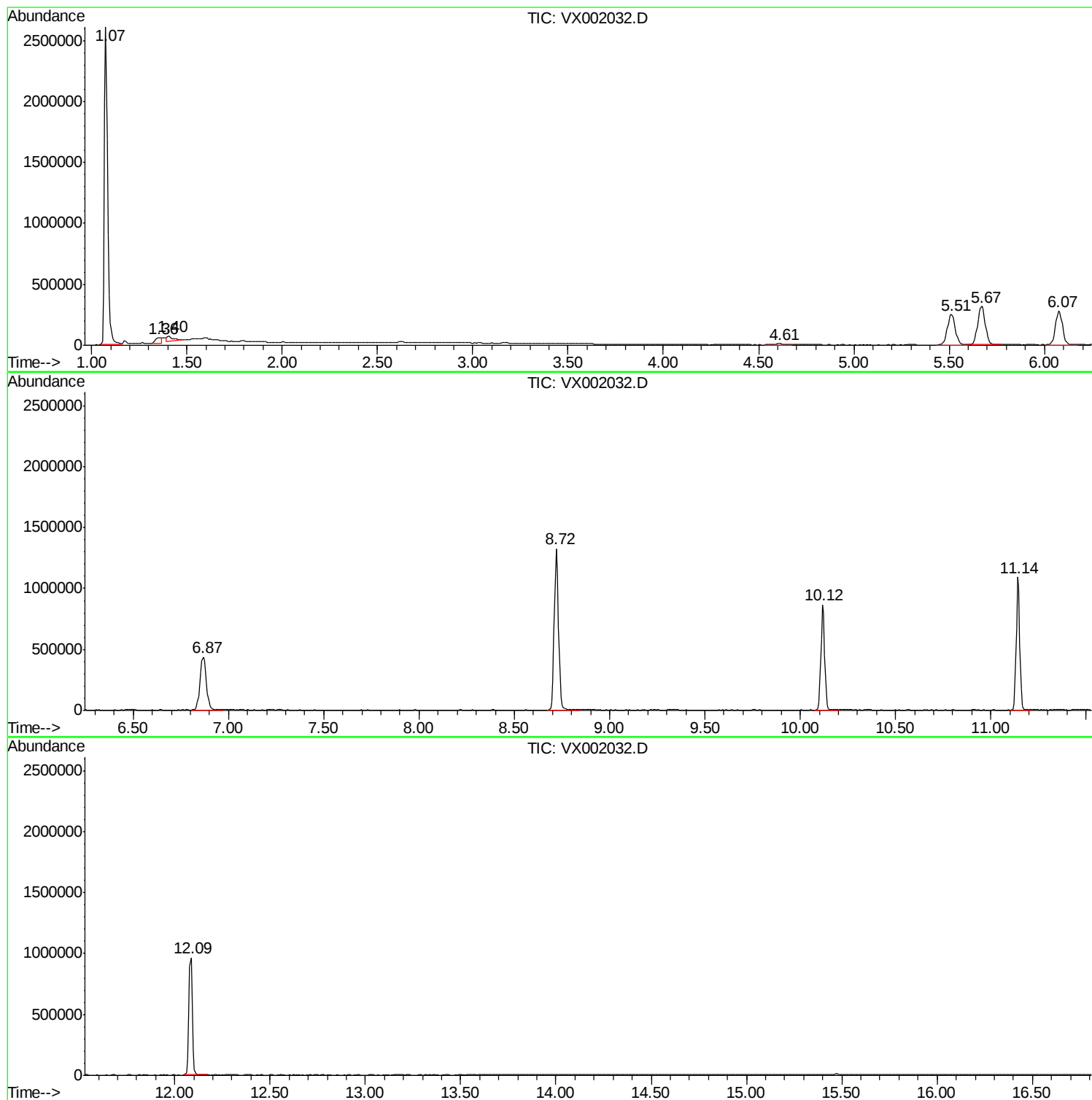
Sum of corrected areas: 12595933

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Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
Quant Title : SW846 8260

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



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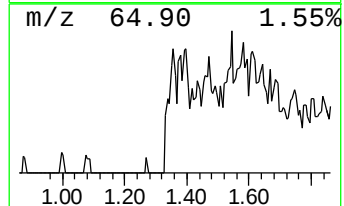
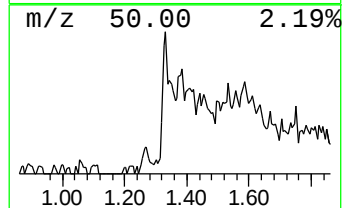
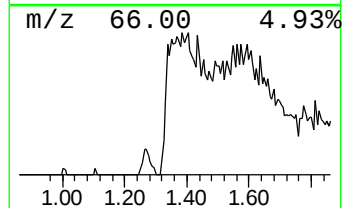
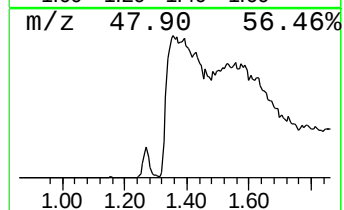
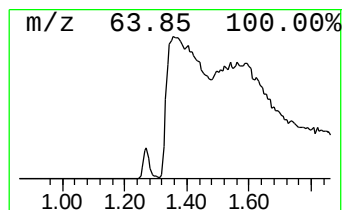
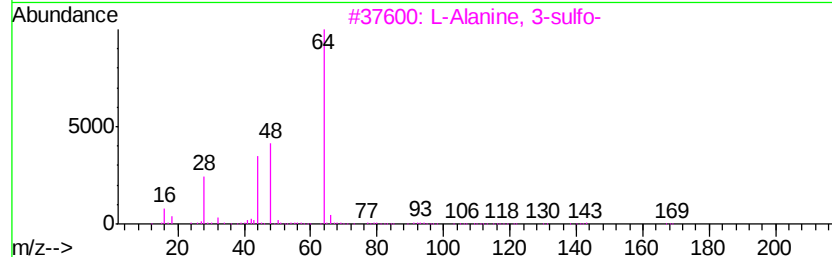
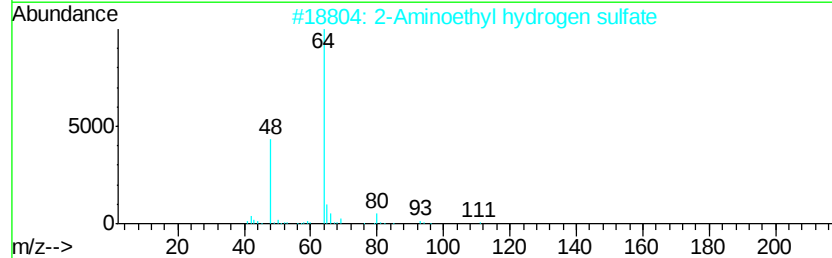
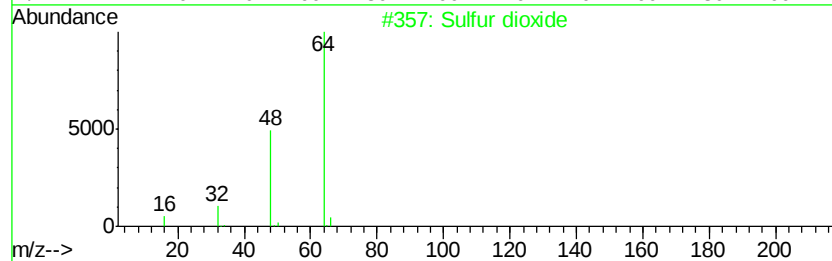
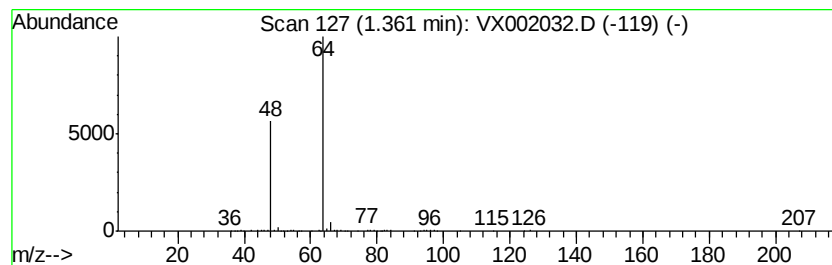
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Peak Number 2 Sulfur dioxide Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD   | R.T. |
|------|-----------|--------|--------------------|------|
| 1.36 | 6.17 ug/l | 108395 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|-------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | Sulfur dioxide                      | 64  | O2S          | 007446-09-5 | 90   |
| 2    |    | 2-Aminoethyl hydrogen sulfate       | 141 | C2H7N04S     | 000926-39-6 | 83   |
| 3    |    | L-Alanine, 3-sulfo-                 | 169 | C3H7N05S     | 000498-40-8 | 74   |
| 4    |    | Aminomethanesulfonic acid           | 111 | CH5N03S      | 013881-91-9 | 64   |
| 5    |    | S-2-[4-Glutarimidobutylamino]eth... | 324 | C11H20N2O5S2 | 031701-78-7 | 9    |



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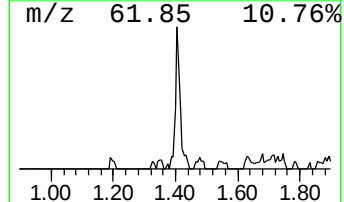
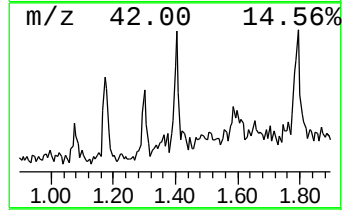
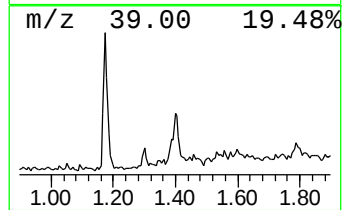
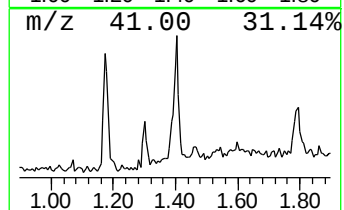
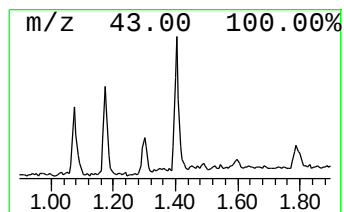
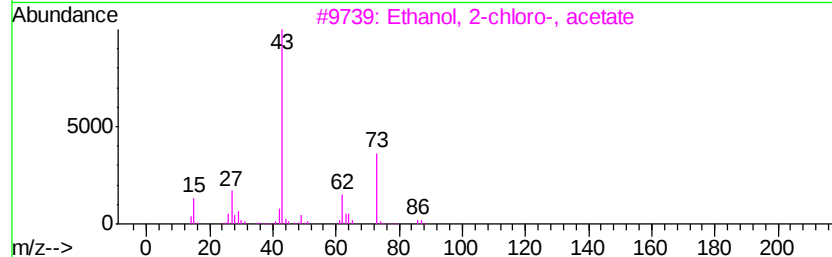
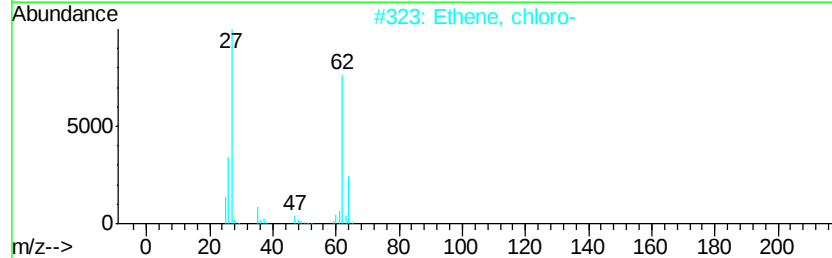
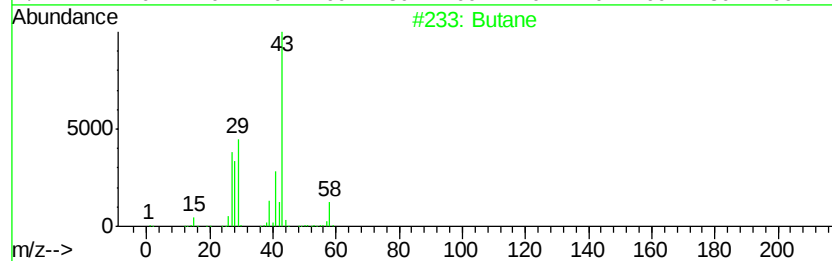
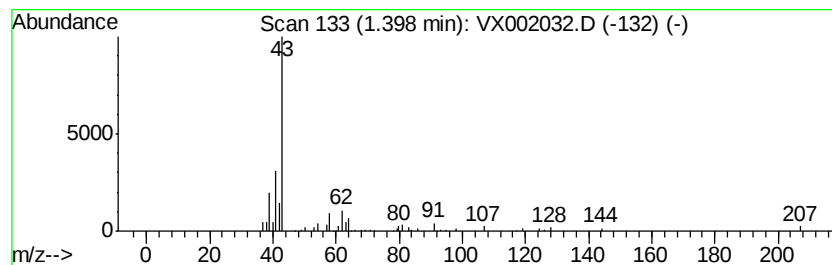
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Peak Number 3 unknown1.40 Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD   | R.T. |
|------|-----------|-------|--------------------|------|
| 1.40 | 5.13 ug/l | 90139 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------------|-----|----------|-------------|------|
| 1    | 5  | Butane                      | 58  | C4H10    | 000106-97-8 | 9    |
| 2    |    | Ethene, chloro-             | 62  | C2H3Cl   | 000075-01-4 | 9    |
| 3    |    | Ethanol, 2-chloro-, acetate | 122 | C4H7ClO2 | 000542-58-5 | 9    |
| 4    |    | Propane, 1-bromo-           | 122 | C3H7Br   | 000106-94-5 | 9    |
| 5    |    | Ethanethiol                 | 62  | C2H6S    | 000075-08-1 | 5    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.36 | 6.2     | ug/l  | 108395   | 1                     | 5.67 | 878807 | 50.0 |
| unknown1.40      | 1.40 | 5.1     | ug/l  | 90139    | 1                     | 5.67 | 878807 | 50.0 |