

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\  
 Data File : VX002751.D  
 Acq On : 20 Jun 2018 19:27  
 Operator : JC/MD  
 Sample : J3597-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 W-21

Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 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\_X\METHOD\82X061518W.M  
 Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.075    | 76         | 80       | 89        | rBV   | 1252419     | 1523479    | 98.20%       | 15.698%    |
| 2      | 1.148    | 89         | 92       | 103       | rVB   | 57296       | 101164     | 6.52%        | 1.042%     |
| 3      | 1.270    | 108        | 112      | 114       | rBV   | 213519      | 250203     | 16.13%       | 2.578%     |
| 4      | 1.319    | 114        | 120      | 145       | rVB   | 498763      | 1551339    | 100.00%      | 15.985%    |
| 5      | 1.587    | 160        | 164      | 174       | rVB4  | 15994       | 38029      | 2.45%        | 0.392%     |
| 6      | 2.660    | 332        | 340      | 346       | rBV2  | 6583        | 26675      | 1.72%        | 0.275%     |
| 7      | 5.507    | 795        | 807      | 822       | rBV2  | 142953      | 408740     | 26.35%       | 4.212%     |
| 8      | 5.666    | 822        | 833      | 847       | rVV   | 209718      | 588932     | 37.96%       | 6.068%     |
| 9      | 6.074    | 886        | 900      | 912       | rBV   | 148833      | 389260     | 25.09%       | 4.011%     |
| 10     | 6.867    | 1019       | 1030     | 1044      | rBV   | 302397      | 709096     | 45.71%       | 7.307%     |
| 11     | 8.720    | 1326       | 1334     | 1343      | rBV   | 727656      | 1116843    | 71.99%       | 11.508%    |
| 12     | 10.116   | 1557       | 1563     | 1573      | rBV   | 623984      | 859382     | 55.40%       | 8.855%     |
| 13     | 11.140   | 1726       | 1731     | 1737      | rBV   | 645643      | 808962     | 52.15%       | 8.336%     |
| 14     | 11.774   | 1828       | 1835     | 1839      | rBV2  | 13152       | 18774      | 1.21%        | 0.193%     |
| 15     | 12.079   | 1880       | 1885     | 1897      | rBV   | 751503      | 963368     | 62.10%       | 9.927%     |
| 16     | 12.719   | 1985       | 1990     | 1995      | rBV3  | 12610       | 19942      | 1.29%        | 0.205%     |
| 17     | 12.817   | 2003       | 2006     | 2011      | rVB   | 18836       | 24907      | 1.61%        | 0.257%     |
| 18     | 12.878   | 2011       | 2016     | 2021      | rVB2  | 15372       | 21997      | 1.42%        | 0.227%     |
| 19     | 12.963   | 2021       | 2030     | 2032      | rBV   | 9107        | 17079      | 1.10%        | 0.176%     |
| 20     | 13.304   | 2081       | 2086     | 2090      | rBV   | 14759       | 20563      | 1.33%        | 0.212%     |
| 21     | 13.463   | 2107       | 2112     | 2118      | rBV4  | 8812        | 16249      | 1.05%        | 0.167%     |
| 22     | 13.640   | 2138       | 2141     | 2146      | rBV2  | 10162       | 16225      | 1.05%        | 0.167%     |
| 23     | 14.384   | 2256       | 2263     | 2267      | rBV   | 40981       | 56407      | 3.64%        | 0.581%     |
| 24     | 14.432   | 2267       | 2271     | 2278      | rVB4  | 15049       | 27766      | 1.79%        | 0.286%     |
| 25     | 14.847   | 2335       | 2339     | 2344      | rVB2  | 29969       | 44627      | 2.88%        | 0.460%     |
| 26     | 14.993   | 2354       | 2363     | 2367      | rBV10 | 9351        | 22911      | 1.48%        | 0.236%     |
| 27     | 15.243   | 2398       | 2404     | 2412      | rVB10 | 9377        | 19920      | 1.28%        | 0.205%     |
| 28     | 15.670   | 2467       | 2474     | 2481      | rBV   | 12048       | 21657      | 1.40%        | 0.223%     |
| 29     | 15.810   | 2493       | 2497     | 2505      | rVB2  | 9123        | 20390      | 1.31%        | 0.210%     |

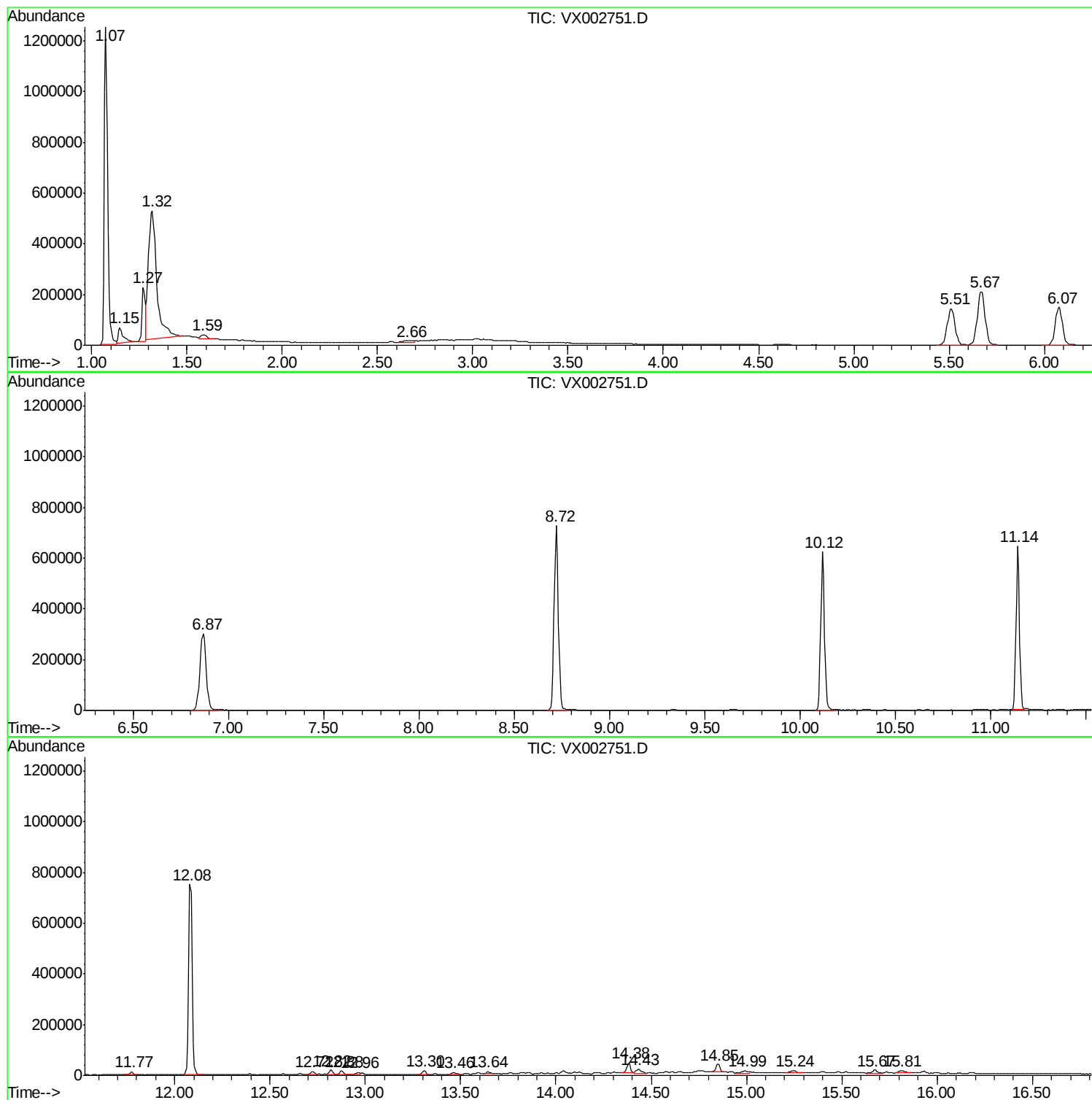
Sum of corrected areas: 9704886

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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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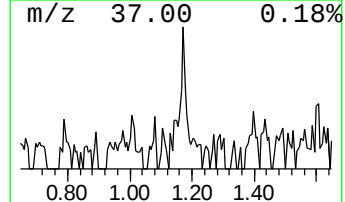
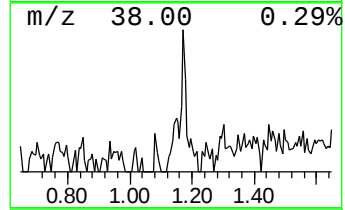
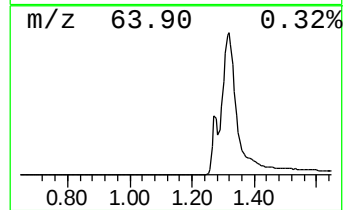
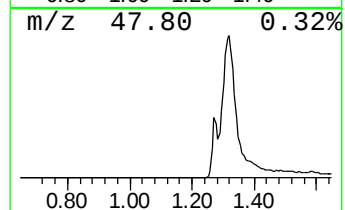
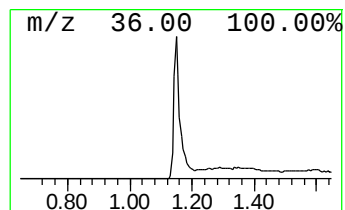
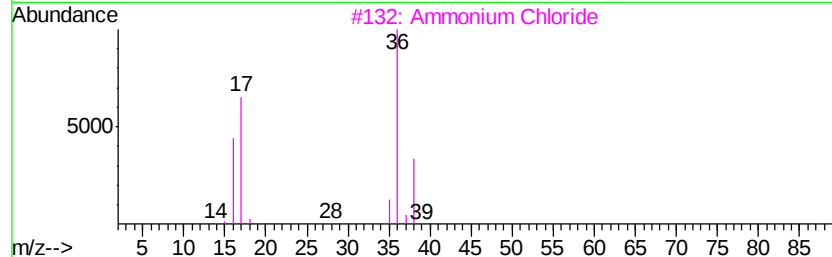
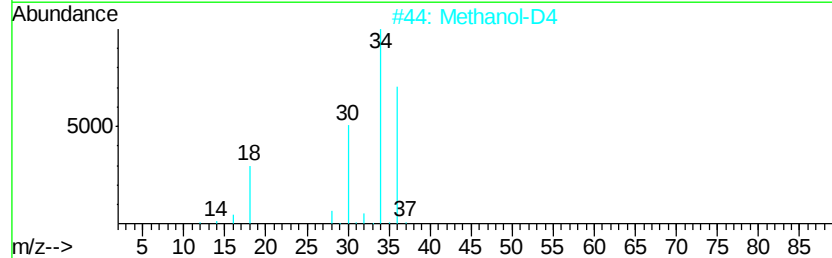
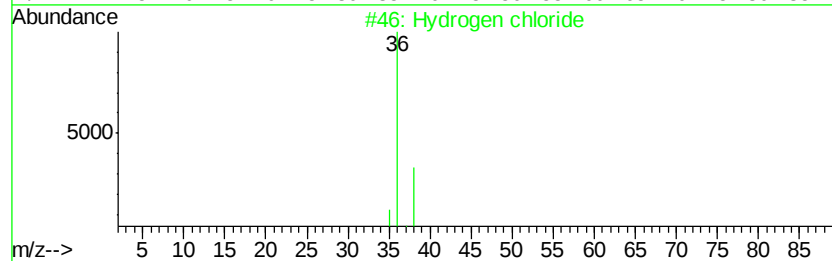
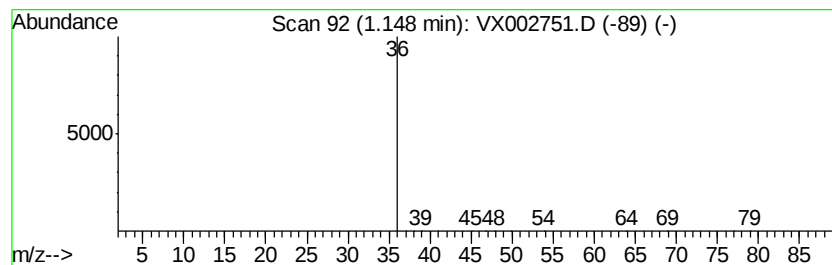
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Peak Number 2 unknown1.15 Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD   | R.T. |
|------|-----------|--------|--------------------|------|
| 1.15 | 8.59 ug/l | 101164 | Pentafluorobenzene | 5.67 |

| Hit# of | 5 | Tentative ID       | MW | MolForm | CAS#        | Qual |
|---------|---|--------------------|----|---------|-------------|------|
| 1       |   | Hydrogen chloride  | 36 | ClH     | 007647-01-0 | 2    |
| 2       |   | Methanol-D4        | 36 | CD4O    | 000811-98-3 | 2    |
| 3       |   | Ammonium Chloride  | 53 | ClH4N   | 012125-02-9 | 1    |
| 4       |   | 2-Chloroethylamine | 79 | C2H6ClN | 000689-98-5 | 1    |
| 5       |   | Hydrogen sulfide   | 34 | H2S     | 007783-06-4 | 1    |



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Quant Title : SW846 8260

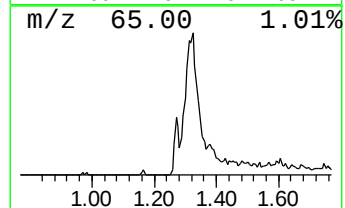
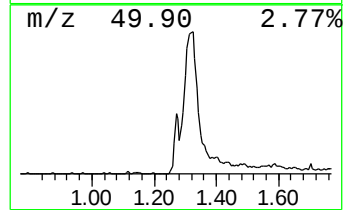
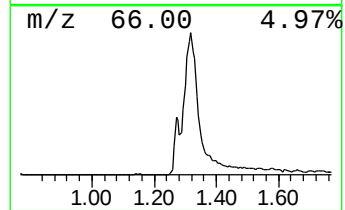
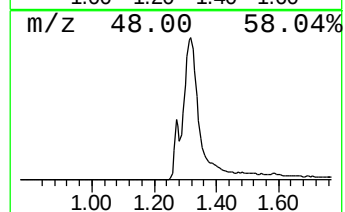
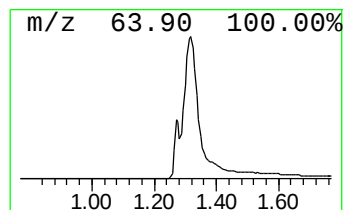
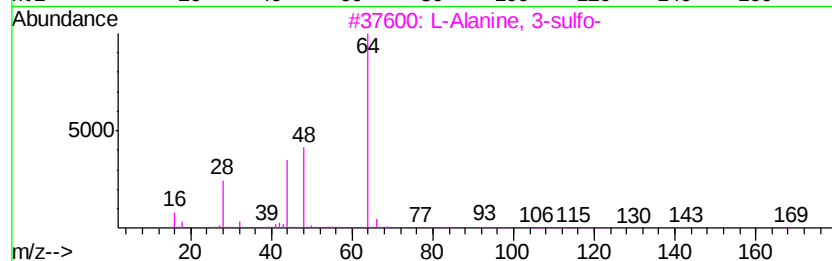
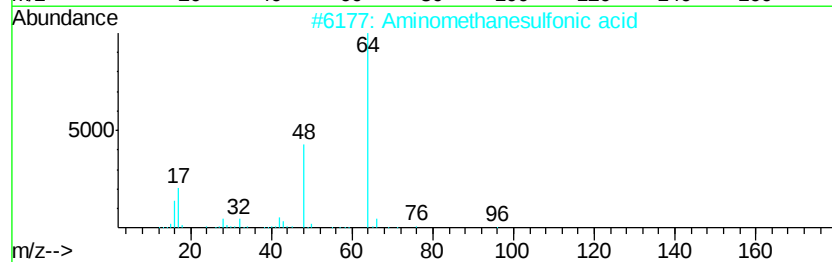
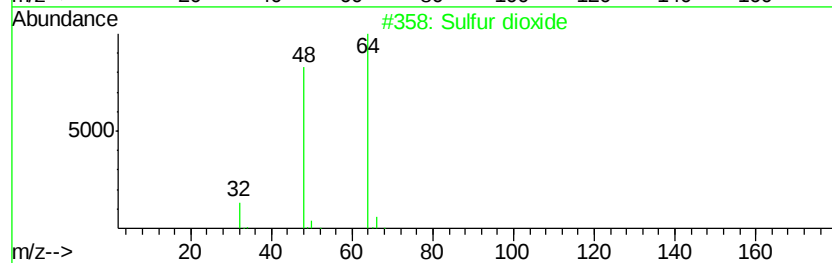
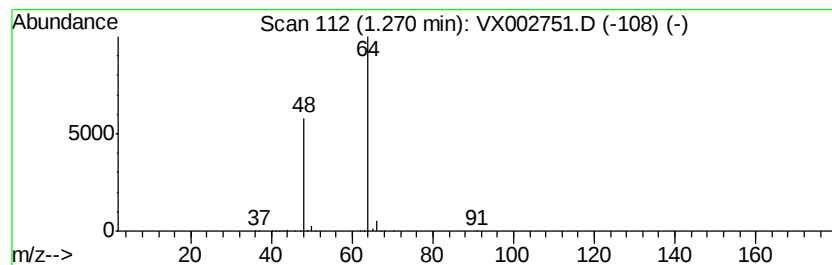
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Peak Number 3 Sulfur dioxide Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 1.27 | 21.24 ug/l | 250203 | 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 | 74   |
| 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 |
| unknown1.15      | 1.15 | 8.6     | ug/l  | 101164   | 1                     | 5.67 | 588932 | 50.0 |
| Sulfur dioxide   | 1.27 | 21.2    | ug/l  | 250203   | 1                     | 5.67 | 588932 | 50.0 |