

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\  
 Data File : VV015641.D  
 Acq On : 22 Apr 2020 23:07  
 Operator : SY/MD  
 Sample : L2370-05  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETKK1

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\SOMVTR042220WMA.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         | 1.113       | 3             | 7           | 20           | rVB2     | 11948          | 13140         | 2.94%           | 0.344%        |
| 2         | 1.213       | 31            | 38          | 58           | rVB      | 21319          | 39600         | 8.85%           | 1.037%        |
| 3         | 1.315       | 62            | 70          | 73           | rBV      | 67826          | 80305         | 17.95%          | 2.104%        |
| 4         | 1.576       | 145           | 151         | 170          | rVB      | 54118          | 70151         | 15.68%          | 1.838%        |
| 5         | 2.122       | 312           | 321         | 340          | rVB      | 99354          | 153862        | 34.39%          | 4.030%        |
| 6         | 3.910       | 865           | 877         | 910          | rBV2     | 54636          | 168881        | 37.75%          | 4.424%        |
| 7         | 4.376       | 1006          | 1022        | 1043         | rBV      | 75269          | 184627        | 41.27%          | 4.836%        |
| 8         | 5.071       | 1221          | 1238        | 1262         | rBV2     | 166557         | 421368        | 94.18%          | 11.038%       |
| 9         | 5.640       | 1402          | 1415        | 1445         | rBV      | 163681         | 330358        | 73.84%          | 8.654%        |
| 10        | 6.093       | 1541          | 1556        | 1584         | rVB2     | 100290         | 208934        | 46.70%          | 5.473%        |
| 11        | 7.010       | 1830          | 1841        | 1865         | rBV2     | 37517          | 69961         | 15.64%          | 1.833%        |
| 12        | 7.338       | 1932          | 1943        | 1961         | rBV      | 205031         | 357462        | 79.90%          | 9.364%        |
| 13        | 7.643       | 2027          | 2038        | 2057         | rBV2     | 21416          | 38228         | 8.54%           | 1.001%        |
| 14        | 8.109       | 2172          | 2183        | 2219         | rBV      | 233033         | 447386        | 100.00%         | 11.719%       |
| 15        | 8.875       | 2408          | 2421        | 2437         | rBV      | 248044         | 406650        | 90.89%          | 10.652%       |
| 16        | 10.238      | 2834          | 2845        | 2862         | rVB      | 70566          | 109981        | 24.58%          | 2.881%        |
| 17        | 11.270      | 3156          | 3166        | 3184         | rBV      | 253245         | 388767        | 86.90%          | 10.184%       |
| 18        | 11.646      | 3272          | 3283        | 3301         | rVB      | 201926         | 321396        | 71.84%          | 8.419%        |
| 19        | 12.373      | 3499          | 3509        | 3522         | rBV5     | 3480           | 6511          | 1.46%           | 0.171%        |

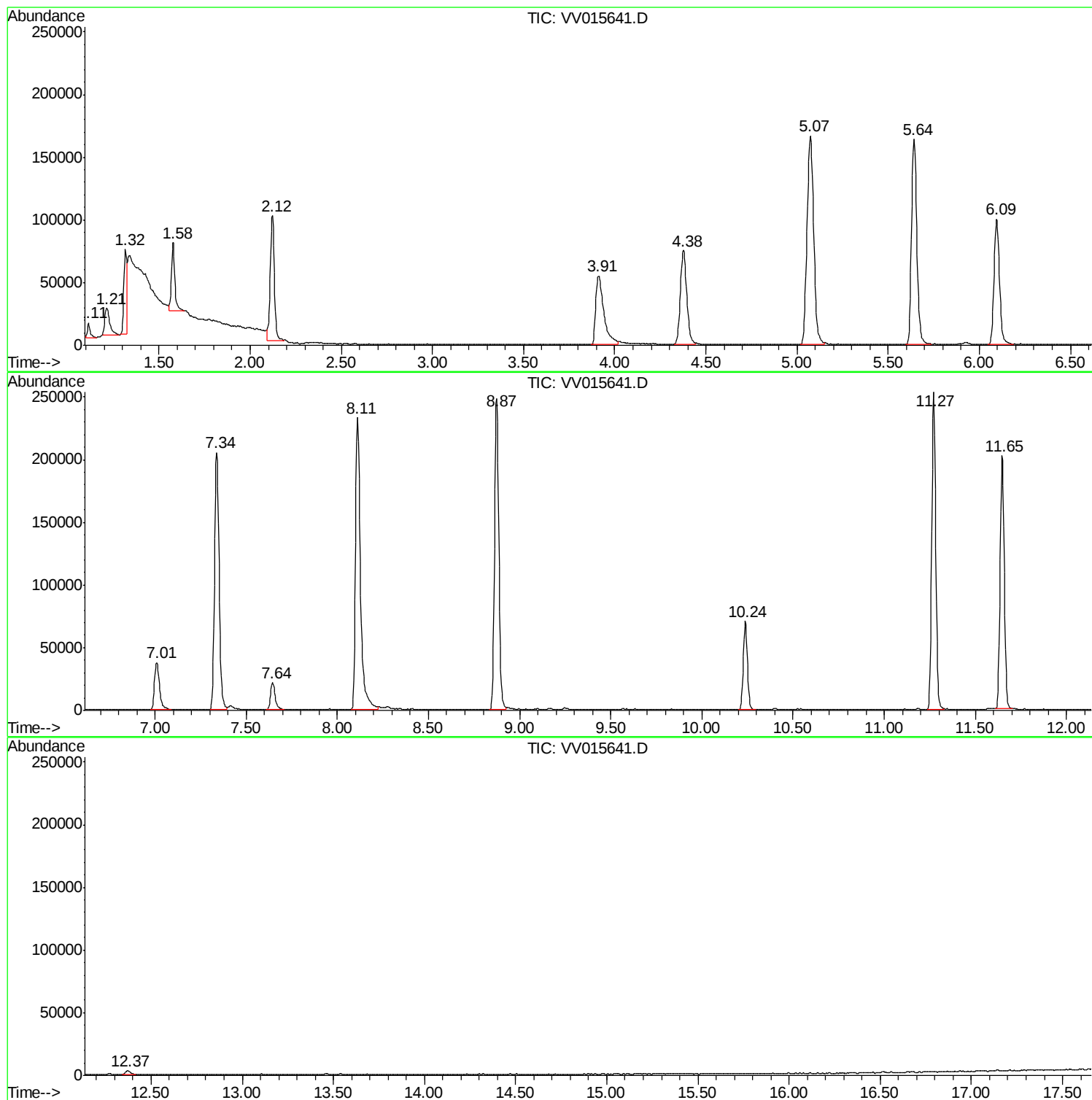
Sum of corrected areas: 3817568

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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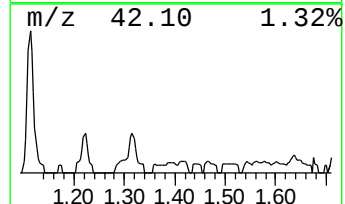
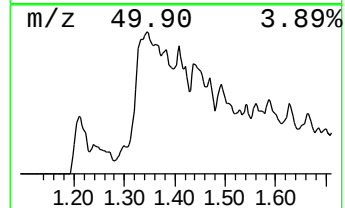
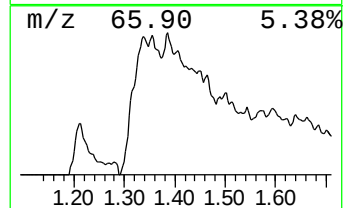
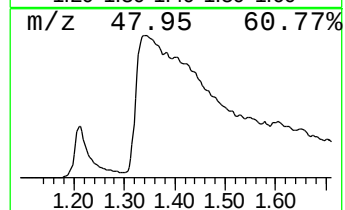
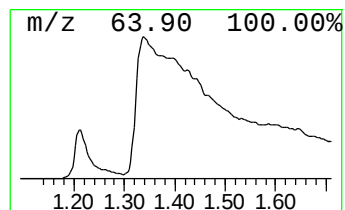
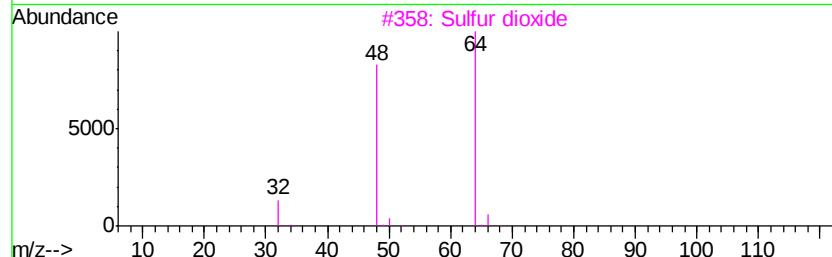
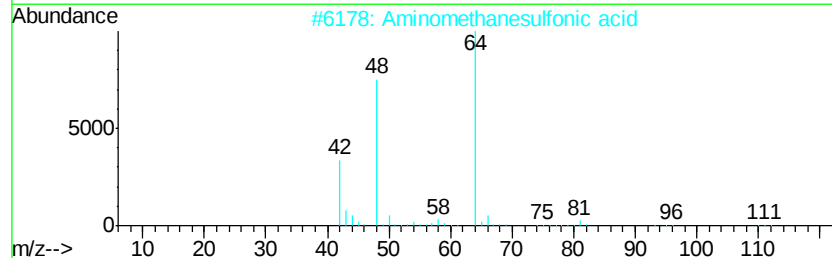
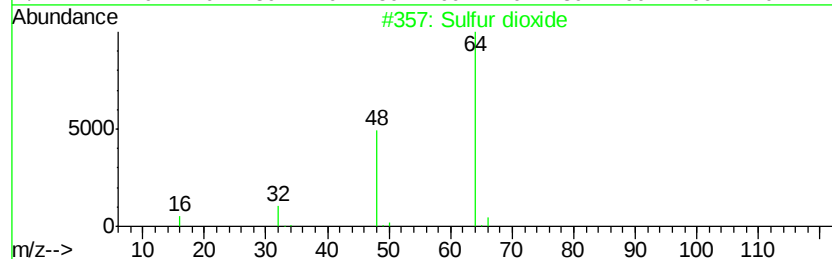
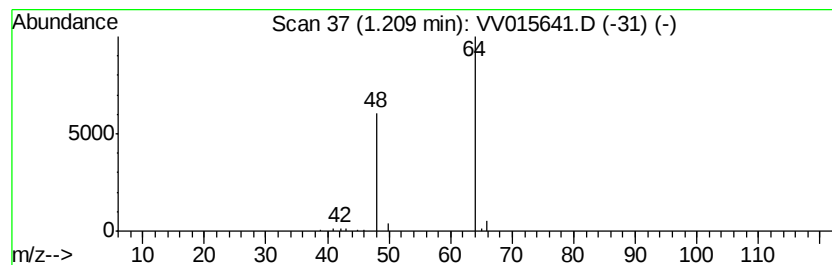
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.21 | 0.60 ug/L | 39600 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 90   |
| 2    |    | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 3    |    | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 74   |
| 4    |    | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 9    |
| 5    |    | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.21 | 0.6     | ug/L  | 39600    | 1                     | 5.64 | 330358 | 5.0  |