

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\  
 Data File : VU032055.D  
 Acq On : 16 May 2019 17:45  
 Operator : JC/SP  
 Sample : K2739-14  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB892

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\_U\METHOD\SOMUTR051619WMA.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         | 1.283       | 51            | 60          | 72           | rBV      | 266616         | 518530        | 40.21%          | 5.138%        |
| 2         | 1.396       | 90            | 95          | 103          | rBV      | 118995         | 128947        | 10.00%          | 1.278%        |
| 3         | 1.675       | 175           | 182         | 194          | rVB      | 102468         | 134722        | 10.45%          | 1.335%        |
| 4         | 2.267       | 357           | 366         | 376          | rBV      | 206947         | 310742        | 24.10%          | 3.079%        |
| 5         | 2.325       | 378           | 384         | 393          | rVB      | 21827          | 31467         | 2.44%           | 0.312%        |
| 6         | 2.450       | 415           | 423         | 432          | rBV2     | 34289          | 52874         | 4.10%           | 0.524%        |
| 7         | 4.190       | 951           | 964         | 998          | rBV      | 190777         | 571088        | 44.28%          | 5.659%        |
| 8         | 4.640       | 1086          | 1104        | 1126         | rBV2     | 193787         | 461660        | 35.80%          | 4.575%        |
| 9         | 5.331       | 1296          | 1319        | 1340         | rBV2     | 361163         | 1015431       | 78.74%          | 10.062%       |
| 10        | 5.881       | 1475          | 1490        | 1513         | rBV      | 431916         | 871071        | 67.54%          | 8.632%        |
| 11        | 6.328       | 1615          | 1629        | 1651         | rBV2     | 237724         | 490401        | 38.03%          | 4.859%        |
| 12        | 7.225       | 1898          | 1908        | 1929         | rBV      | 97036          | 185032        | 14.35%          | 1.834%        |
| 13        | 7.563       | 2000          | 2013        | 2028         | rBV      | 395978         | 730157        | 56.62%          | 7.235%        |
| 14        | 7.636       | 2031          | 2036        | 2050         | rVB2     | 24966          | 45862         | 3.56%           | 0.454%        |
| 15        | 7.852       | 2093          | 2103        | 2117         | rBV3     | 56188          | 103728        | 8.04%           | 1.028%        |
| 16        | 8.312       | 2233          | 2246        | 2281         | rBV      | 654938         | 1289653       | 100.00%         | 12.779%       |
| 17        | 9.087       | 2471          | 2487        | 2515         | rBV      | 646237         | 1135132       | 88.02%          | 11.248%       |
| 18        | 10.427      | 2892          | 2904        | 2936         | rBV      | 219450         | 381290        | 29.57%          | 3.778%        |
| 19        | 11.482      | 3219          | 3232        | 3260         | rBV      | 524791         | 911676        | 70.69%          | 9.034%        |
| 20        | 11.858      | 3335          | 3349        | 3370         | rBV      | 413863         | 722216        | 56.00%          | 7.157%        |

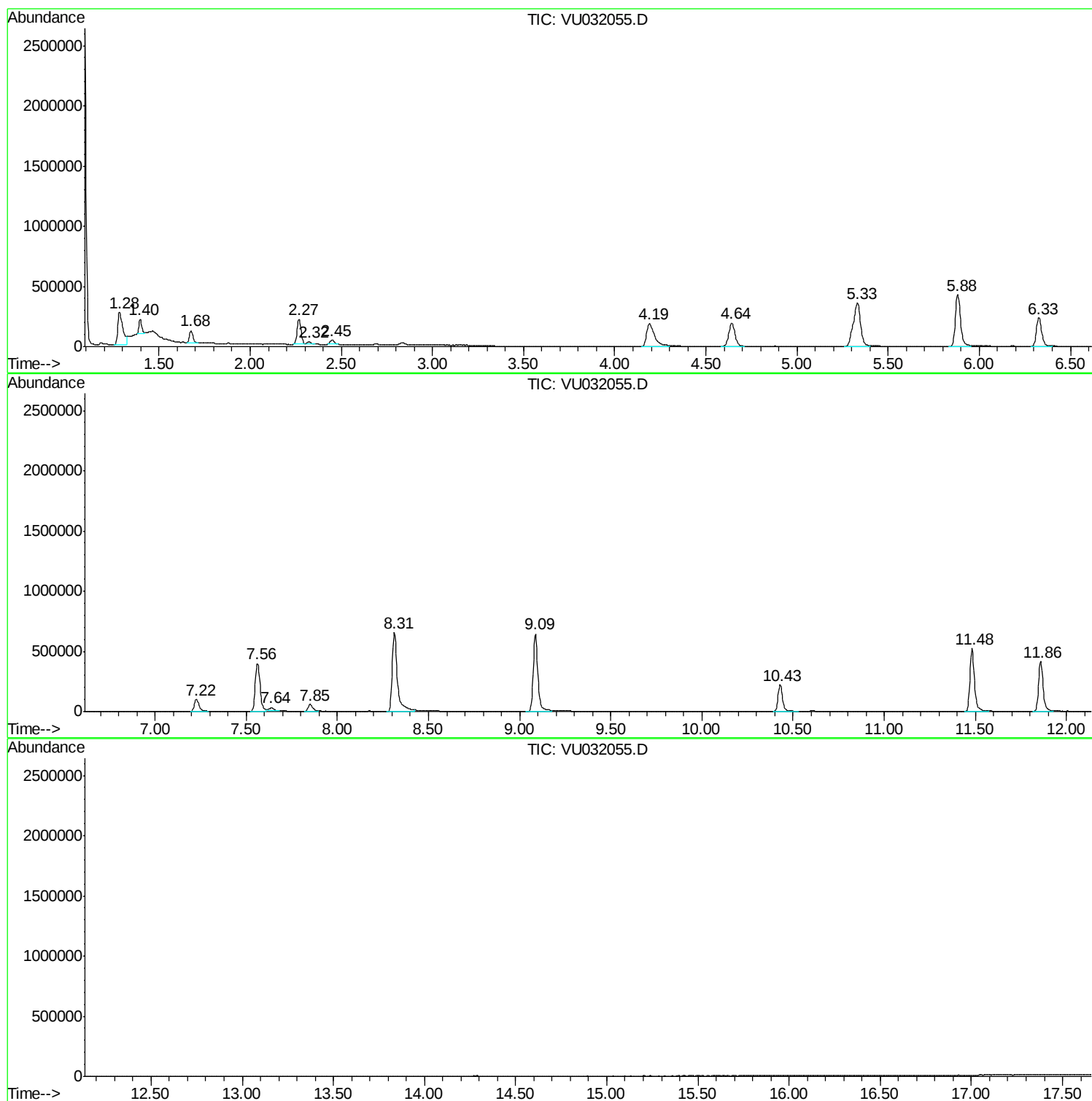
Sum of corrected areas: 10091679

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051619WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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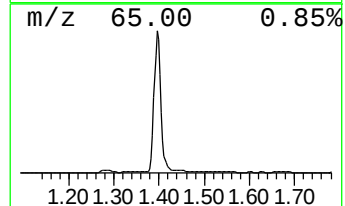
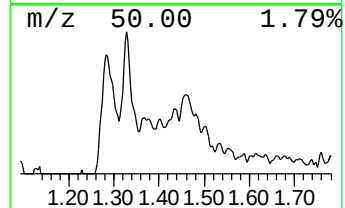
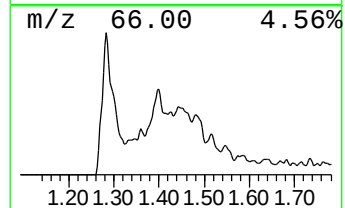
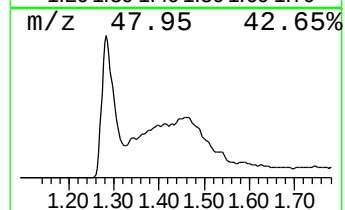
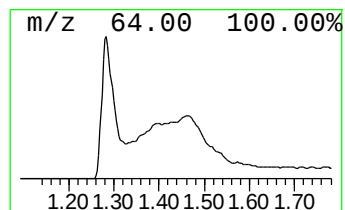
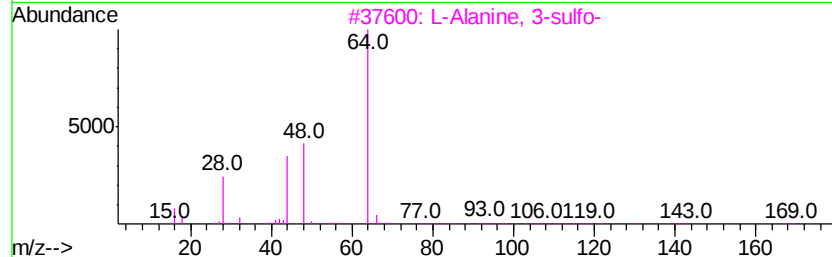
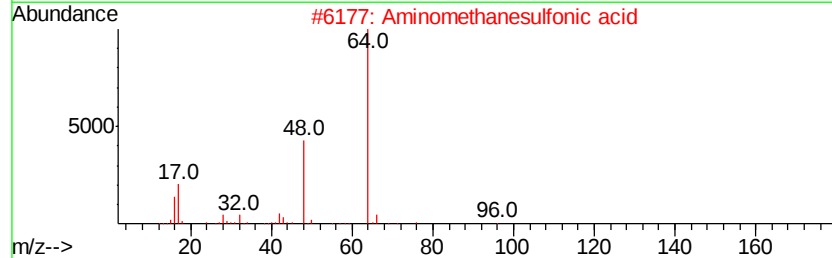
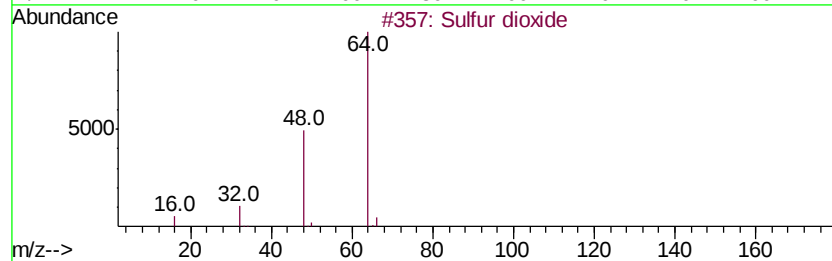
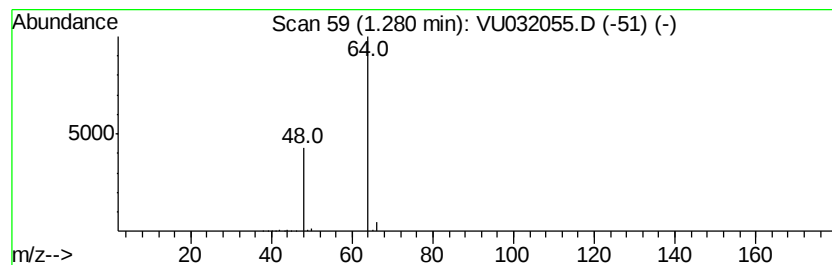
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.    | EstConc   | Area                      | Relative to ISTD    | R.T.           |
|---------|-----------|---------------------------|---------------------|----------------|
| 1.28    | 2.98 ug/L | 518530                    | 1,4-Difluorobenzene | 5.88           |
| 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       |           | Sulfur dioxide            | 64 O2S              | 007446-09-5 4  |
| 5       |           | Ethene, 1,1-difluoro-     | 64 C2H2F2           | 000075-38-7 4  |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.28 | 3.0     | ug/L  | 518530   | 1                     | 5.88 | 871071 | 5.0  |