

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050418\  
 Data File : VU023648.D  
 Acq On : 04 May 2018 23:10  
 Operator : MD/SY  
 Sample : J2630-03DL 10X  
 Misc : 25mL/MSVOA U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

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 : W:\HPCHEM1\MSVOA U\METHOD\SOMUTR050418WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

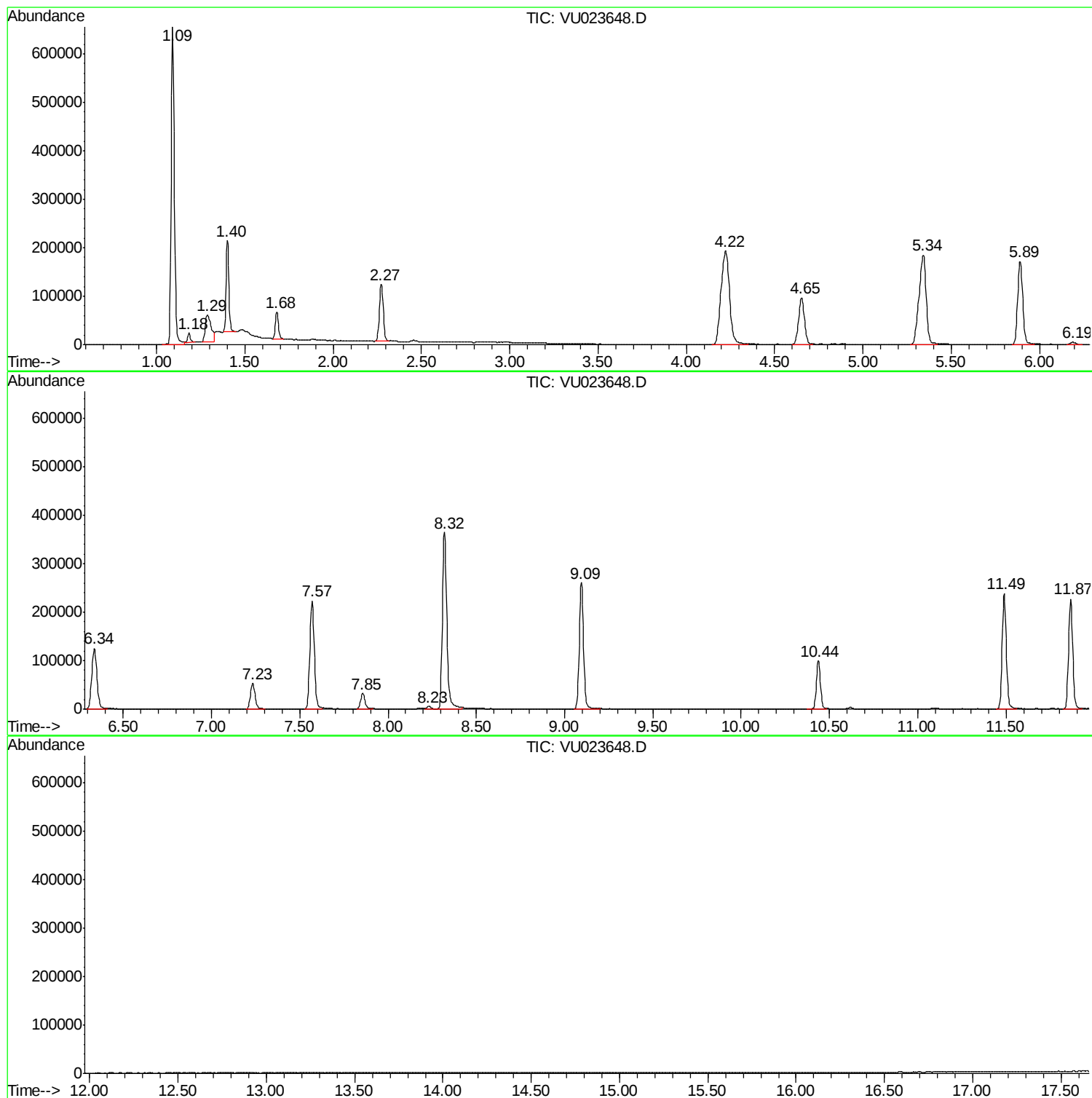
| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.092       | 137           | 156         | 177          | rBV      | 654983         | 813377        | 100.00%         | 13.731%       |
| 2         | 1.182       | 179           | 184         | 194          | rVV2     | 18988          | 20244         | 2.49%           | 0.342%        |
| 3         | 1.288       | 207           | 217         | 229          | rBV      | 55544          | 131812        | 16.21%          | 2.225%        |
| 4         | 1.400       | 245           | 252         | 267          | rBV2     | 188877         | 208357        | 25.62%          | 3.517%        |
| 5         | 1.680       | 332           | 339         | 351          | rVB      | 55136          | 69511         | 8.55%           | 1.173%        |
| 6         | 2.272       | 513           | 523         | 536          | rBV      | 117423         | 174517        | 21.46%          | 2.946%        |
| 7         | 4.223       | 1106          | 1130        | 1170         | rBV2     | 193387         | 645191        | 79.32%          | 10.891%       |
| 8         | 4.651       | 1247          | 1263        | 1283         | rBV      | 96446          | 221441        | 27.22%          | 3.738%        |
| 9         | 5.342       | 1455          | 1478        | 1502         | rBV2     | 184964         | 514510        | 63.26%          | 8.685%        |
| 10        | 5.889       | 1634          | 1648        | 1673         | rBV      | 170862         | 339806        | 41.78%          | 5.736%        |
| 11        | 6.188       | 1731          | 1741        | 1757         | rBV5     | 4675           | 8869          | 1.09%           | 0.150%        |
| 12        | 6.336       | 1773          | 1787        | 1810         | rBV      | 124828         | 252469        | 31.04%          | 4.262%        |
| 13        | 7.233       | 2054          | 2066        | 2087         | rBV      | 52998          | 93815         | 11.53%          | 1.584%        |
| 14        | 7.571       | 2157          | 2171        | 2189         | rBV      | 222561         | 388679        | 47.79%          | 6.561%        |
| 15        | 7.853       | 2249          | 2259        | 2277         | rBV2     | 31873          | 55865         | 6.87%           | 0.943%        |
| 16        | 8.230       | 2369          | 2376        | 2389         | rVB3     | 5267           | 8457          | 1.04%           | 0.143%        |
| 17        | 8.320       | 2391          | 2404        | 2435         | rBV      | 364292         | 629525        | 77.40%          | 10.627%       |
| 18        | 9.095       | 2632          | 2645        | 2678         | rBV      | 260284         | 435763        | 53.57%          | 7.356%        |
| 19        | 10.435      | 3043          | 3062        | 3077         | rBV      | 98536          | 158741        | 19.52%          | 2.680%        |
| 20        | 11.490      | 3376          | 3390        | 3412         | rBV      | 238133         | 386647        | 47.54%          | 6.527%        |
| 21        | 11.866      | 3494          | 3507        | 3527         | rBV      | 226613         | 366260        | 45.03%          | 6.183%        |

Sum of corrected areas: 5923856

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Quant Method : W:\HPCHEM1\MSVOA U\METHOD\SOMUTR050418WMA.M  
Quant Title : TRACE VOA SOM01.0

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



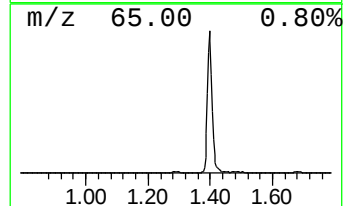
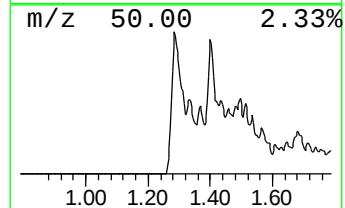
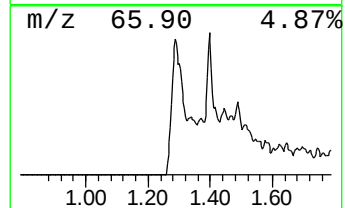
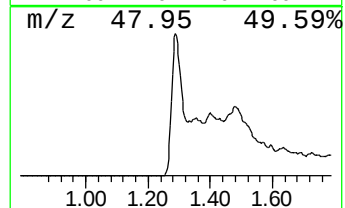
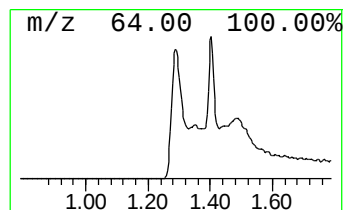
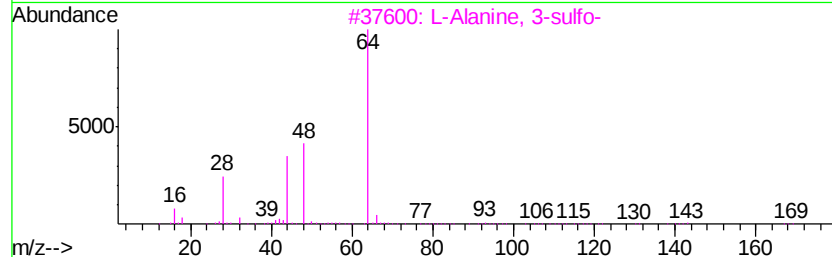
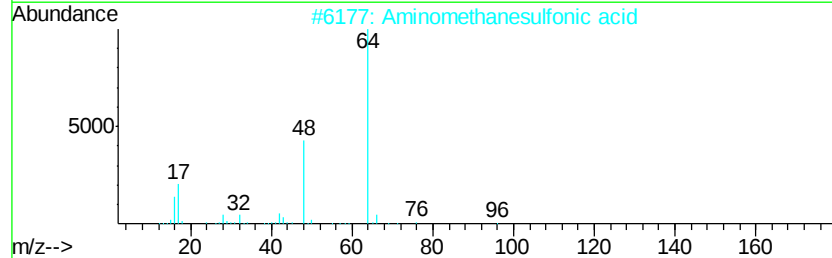
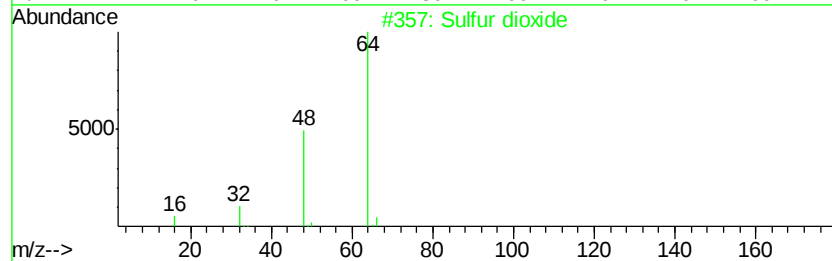
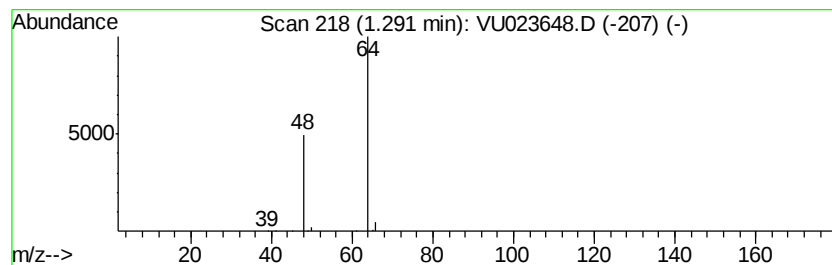
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Sulfur dioxide Concentration Rank 2

| R.T.    | EstConc                   | Area         | Relative to ISTD    | R.T.      |
|---------|---------------------------|--------------|---------------------|-----------|
| 1.29    | 1.94 ug/L                 | 131812       | 1,4-Difluorobenzene | 5.89      |
| Hit# of | 5                         | Tentative ID | MW MolForm          | CAS# Qual |
| 1       | Sulfur dioxide            | 64 02S       | 007446-09-5         | 83        |
| 2       | Aminomethanesulfonic acid | 111 CH5N03S  | 013881-91-9         | 74        |
| 3       | L-Alanine, 3-sulfo-       | 169 C3H7N05S | 000498-40-8         | 9         |
| 4       | Aminomethanesulfonic acid | 111 CH5N03S  | 013881-91-9         | 9         |
| 5       | Aminomethanesulfonic acid | 111 CH5N03S  | 013881-91-9         | 9         |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide   | 1.29 | 1.9     | ug/L  | 131812   | 1                     | 5.89 | 339806 | 5.0  |