

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101920\  
 Data File : VU040823.D  
 Acq On : 19 Oct 2020 23:04  
 Operator : SY/MD  
 Sample : L4420-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AJ8

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\SOMUTR100820WMA.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         | 1.491       | 37            | 47          | 76           | rBV      | 131629         | 460644        | 19.23%          | 3.692%        |
| 2         | 1.604       | 77            | 82          | 93           | rVB      | 49453          | 66932         | 2.79%           | 0.536%        |
| 3         | 1.922       | 174           | 181         | 196          | rVB      | 44555          | 58469         | 2.44%           | 0.469%        |
| 4         | 2.369       | 311           | 320         | 339          | rVB      | 86153          | 146218        | 6.10%           | 1.172%        |
| 5         | 2.594       | 375           | 390         | 409          | rBV      | 1431043        | 2395320       | 100.00%         | 19.197%       |
| 6         | 3.890       | 776           | 793         | 814          | rBV2     | 66694          | 159632        | 6.66%           | 1.279%        |
| 7         | 4.687       | 1010          | 1041        | 1079         | rBV2     | 581824         | 1504240       | 62.80%          | 12.056%       |
| 8         | 5.083       | 1145          | 1164        | 1186         | rBV3     | 94127          | 224685        | 9.38%           | 1.801%        |
| 9         | 5.334       | 1224          | 1242        | 1260         | rBV2     | 41949          | 93853         | 3.92%           | 0.752%        |
| 10        | 5.543       | 1294          | 1307        | 1320         | rBV4     | 14103          | 30014         | 1.25%           | 0.241%        |
| 11        | 5.742       | 1348          | 1369        | 1386         | rBV2     | 157166         | 426451        | 17.80%          | 3.418%        |
| 12        | 6.263       | 1517          | 1531        | 1547         | rBV      | 154860         | 286497        | 11.96%          | 2.296%        |
| 13        | 6.555       | 1606          | 1622        | 1644         | rBV      | 1075629        | 1995767       | 83.32%          | 15.995%       |
| 14        | 6.703       | 1655          | 1668        | 1686         | rVB      | 116698         | 222303        | 9.28%           | 1.782%        |
| 15        | 7.575       | 1928          | 1939        | 1952         | rBV      | 50038          | 87006         | 3.63%           | 0.697%        |
| 16        | 7.906       | 2029          | 2042        | 2059         | rBV      | 161692         | 277998        | 11.61%          | 2.228%        |
| 17        | 8.186       | 2117          | 2129        | 2143         | rBV2     | 34408          | 58185         | 2.43%           | 0.466%        |
| 18        | 8.559       | 2231          | 2245        | 2259         | rBV      | 1269629        | 2146462       | 89.61%          | 17.203%       |
| 19        | 8.642       | 2259          | 2271        | 2296         | rVB      | 367397         | 685458        | 28.62%          | 5.494%        |
| 20        | 9.420       | 2499          | 2513        | 2531         | rBV      | 227558         | 378386        | 15.80%          | 3.033%        |
| 21        | 10.755      | 2916          | 2928        | 2942         | rBV      | 99544          | 158030        | 6.60%           | 1.267%        |
| 22        | 11.806      | 3244          | 3255        | 3273         | rVB      | 196546         | 313932        | 13.11%          | 2.516%        |
| 23        | 12.189      | 3361          | 3374        | 3391         | rBV      | 185357         | 300982        | 12.57%          | 2.412%        |

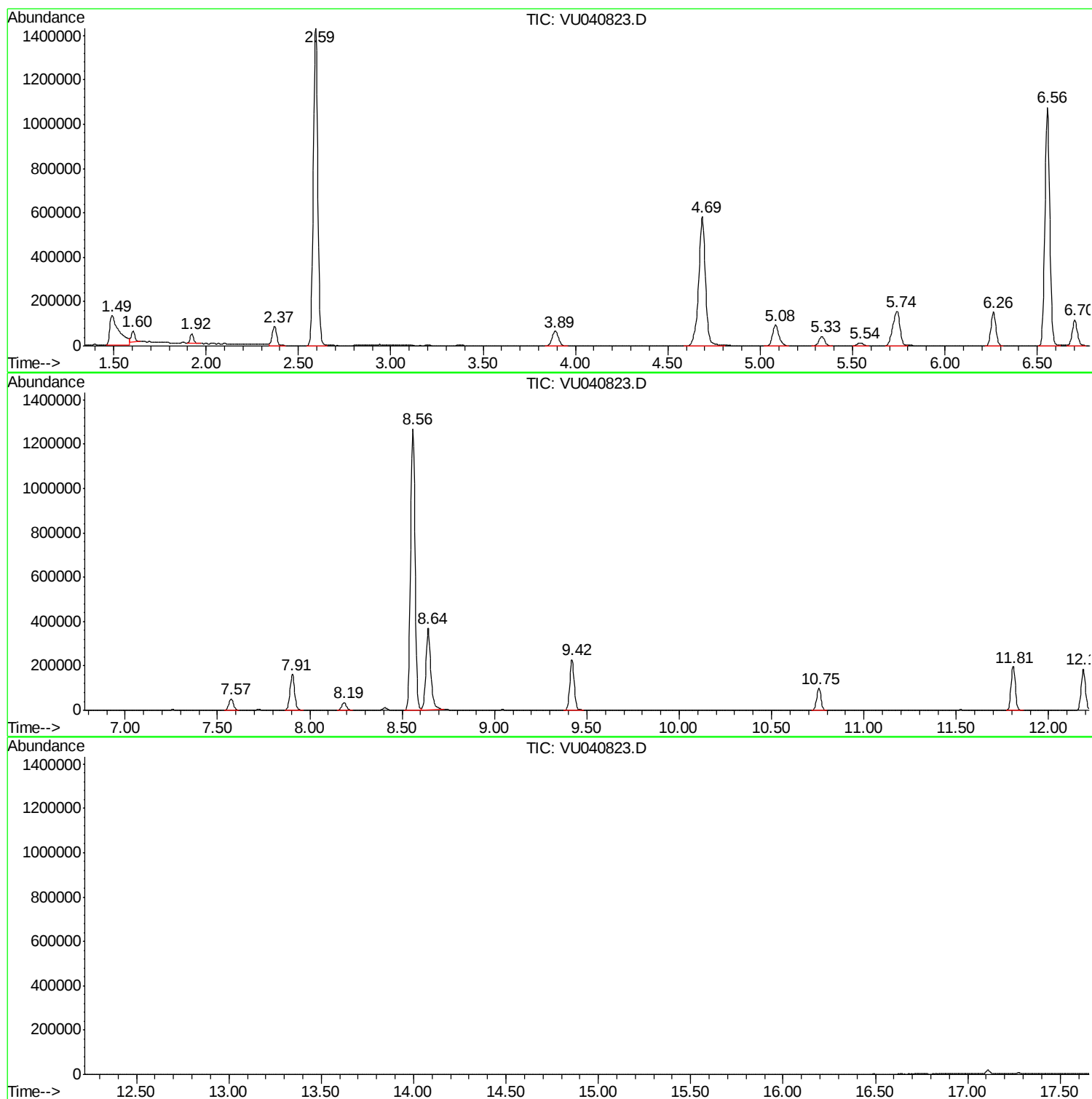
Sum of corrected areas: 12477464

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Instrument :  
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ClientSampleId :  
C0AJ8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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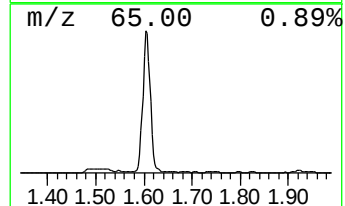
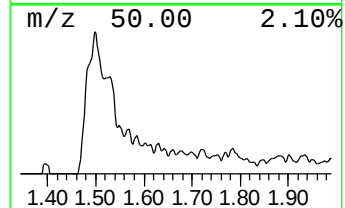
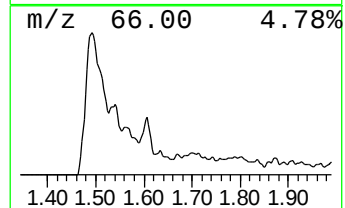
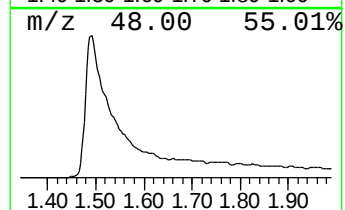
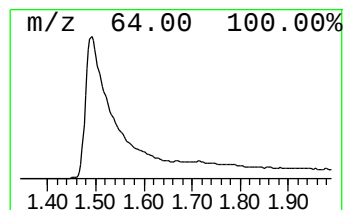
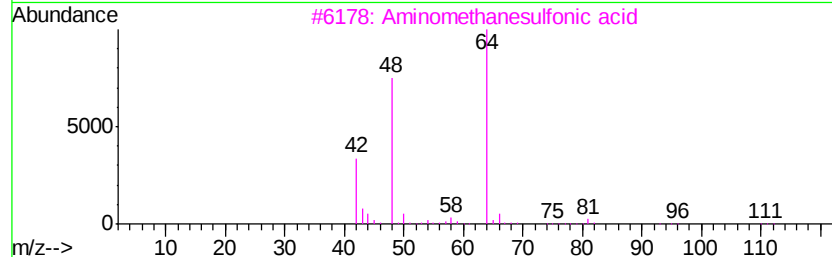
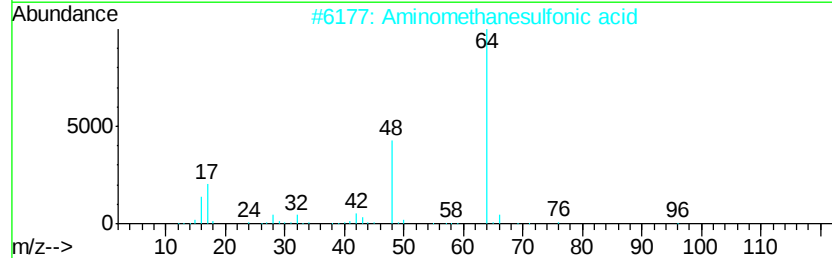
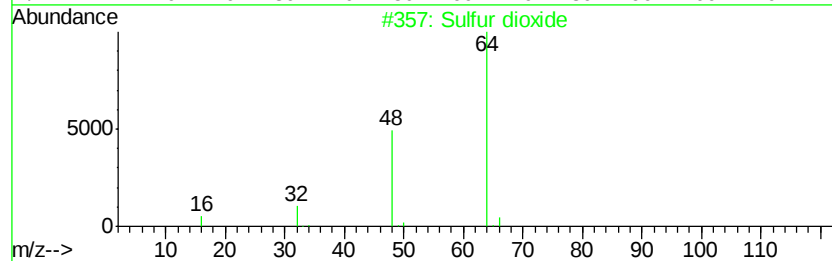
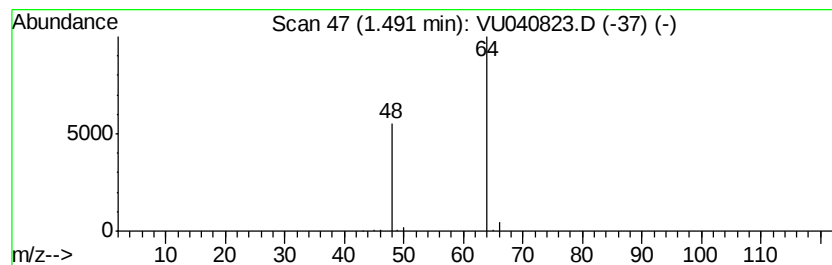
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.    | EstConc                   | Area         | Relative to ISTD    | R.T.      |
|---------|---------------------------|--------------|---------------------|-----------|
| 1.49    | 8.04 ug/L                 | 460644       | 1,4-Difluorobenzene | 6.26      |
| Hit# of | 5                         | Tentative ID | MW MolForm          | CAS# Qual |
| 1       | Sulfur dioxide            | 64 02S       | 007446-09-5         | 90        |
| 2       | Aminomethanesulfonic acid | 111 CH5N03S  | 013881-91-9         | 74        |
| 3       | Aminomethanesulfonic acid | 111 CH5N03S  | 013881-91-9         | 64        |
| 4       | Sulfur dioxide            | 64 02S       | 007446-09-5         | 9         |
| 5       | L-Alanine, 3-sulfo-       | 169 C3H7N05S | 000498-40-8         | 9         |



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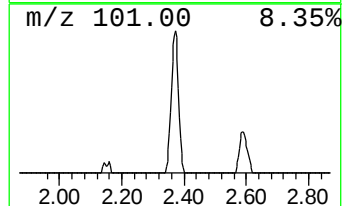
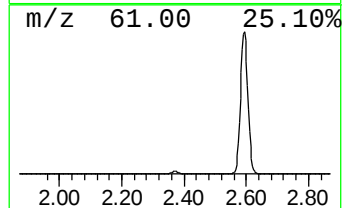
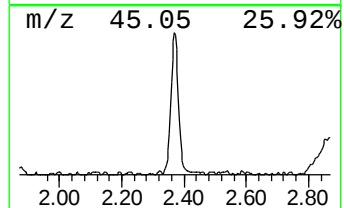
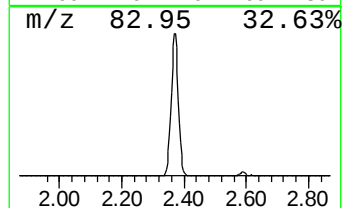
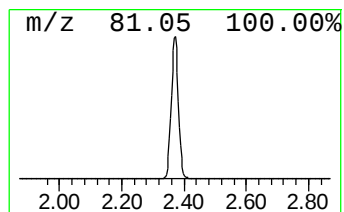
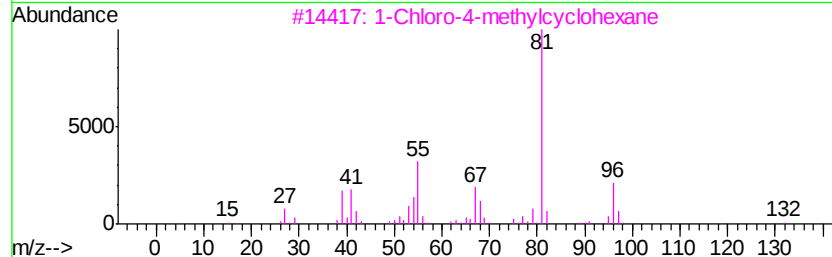
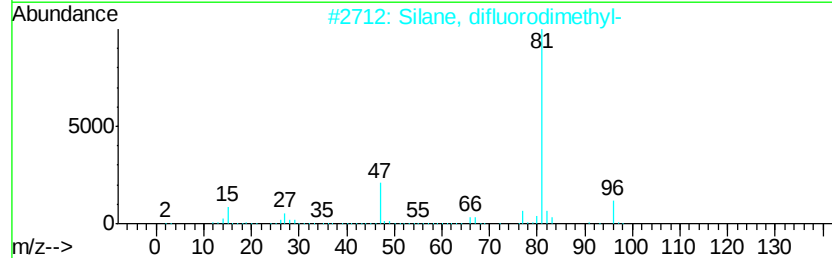
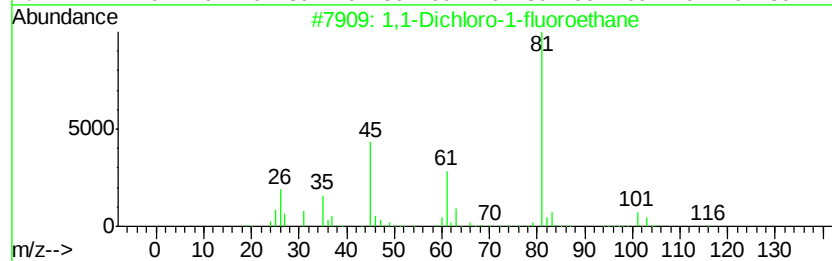
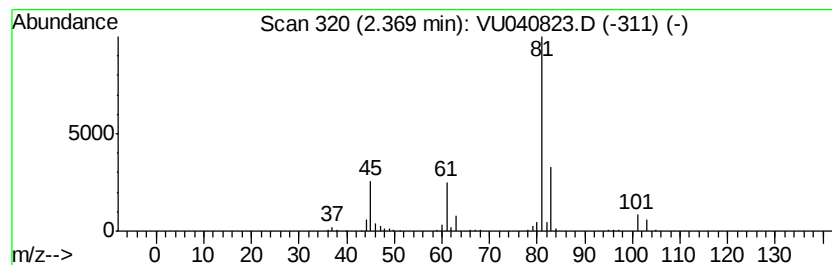
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 1,1-Dichloro-1-fluoroethane Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.37 | 2.55 ug/L | 146218 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1,1-Dichloro-1-fluoroethane        | 116 | C2H3Cl2F | 001717-00-6 | 64   |
| 2    |    |   | Silane, difluorodimethyl-          | 96  | C2H6F2Si | 000353-66-2 | 9    |
| 3    |    |   | 1-Chloro-4-methylcyclohexane       | 132 | C7H13Cl  | 000931-68-0 | 4    |
| 4    |    |   | Silane, difluorodimethyl-          | 96  | C2H6F2Si | 000353-66-2 | 2    |
| 5    |    |   | Acetic acid, hydroxy-, ethyl ester | 104 | C4H8O3   | 000623-50-7 | 2    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide       | 1.49 | 8.0     | ug/L  | 460644   | 1                     | 6.26 | 286497 | 5.0  |
| 1,1-Dichloro-1-fl... | 2.37 | 2.5     | ug/L  | 146218   | 1                     | 6.26 | 286497 | 5.0  |