

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051121\  
 Data File : VX021900.D  
 Acq On : 11 May 2021 15:35  
 Operator : JC/MD  
 Sample : M2337-03  
 Misc : 25.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG6K0

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXTR051021WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VX021900.D\data.ms

| 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         | 1.307       | 31            | 36          | 38           | rBV      | 89113          | 148700        | 14.77%          | 3.692%        |
| 2         | 1.374       | 43            | 47          | 51           | rVB2     | 101031         | 156347        | 15.53%          | 3.882%        |
| 3         | 1.672       | 92            | 96          | 107          | rVB      | 47326          | 66433         | 6.60%           | 1.649%        |
| 4         | 2.136       | 167           | 172         | 183          | rVB2     | 57720          | 95061         | 9.44%           | 2.360%        |
| 5         | 2.306       | 195           | 200         | 208          | rBV      | 69547          | 111594        | 11.08%          | 2.771%        |
| 6         | 3.617       | 406           | 415         | 423          | rVB      | 9445           | 21289         | 2.11%           | 0.529%        |
| 7         | 4.501       | 545           | 560         | 584          | rBV2     | 338233         | 1006747       | 100.00%         | 24.995%       |
| 8         | 5.074       | 642           | 654         | 665          | rBV      | 44950          | 137319        | 13.64%          | 3.409%        |
| 9         | 5.983       | 790           | 803         | 810          | rBV3     | 107801         | 331302        | 32.91%          | 8.225%        |
| 10        | 6.044       | 810           | 813         | 830          | rVB2     | 37303          | 90444         | 8.98%           | 2.245%        |
| 11        | 6.769       | 923           | 932         | 943          | rBV      | 79378          | 185908        | 18.47%          | 4.616%        |
| 12        | 7.318       | 1013          | 1022        | 1035         | rBV      | 69981          | 154816        | 15.38%          | 3.844%        |
| 13        | 8.330       | 1181          | 1188        | 1197         | rBV2     | 49156          | 81623         | 8.11%           | 2.026%        |
| 14        | 8.653       | 1229          | 1241        | 1249         | rBV      | 175961         | 280237        | 27.84%          | 6.958%        |
| 15        | 8.958       | 1285          | 1291        | 1299         | rBV      | 32229          | 48203         | 4.79%           | 1.197%        |
| 16        | 9.391       | 1355          | 1362        | 1377         | rBV      | 227703         | 336329        | 33.41%          | 8.350%        |
| 17        | 10.055      | 1464          | 1471        | 1484         | rBV      | 162117         | 225080        | 22.36%          | 5.588%        |
| 18        | 11.195      | 1653          | 1658        | 1665         | rVB      | 71967          | 93207         | 9.26%           | 2.314%        |
| 19        | 12.024      | 1789          | 1794        | 1800         | rBV      | 185590         | 218935        | 21.75%          | 5.436%        |
| 20        | 12.323      | 1837          | 1843        | 1849         | rVB      | 192490         | 238225        | 23.66%          | 5.915%        |

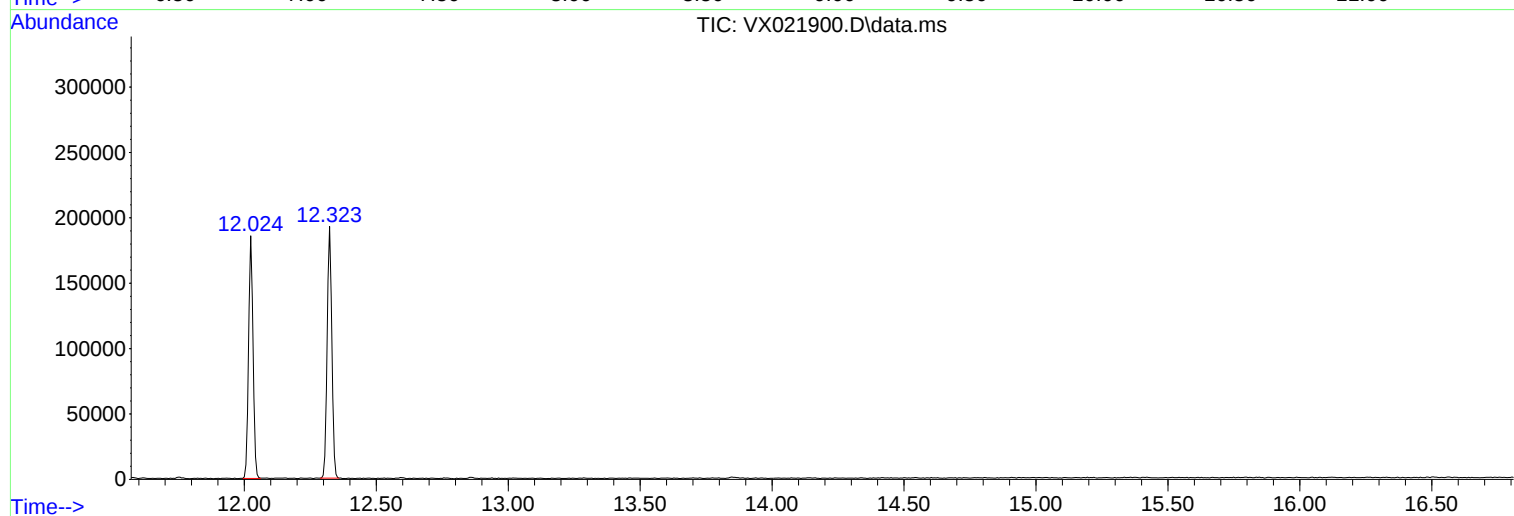
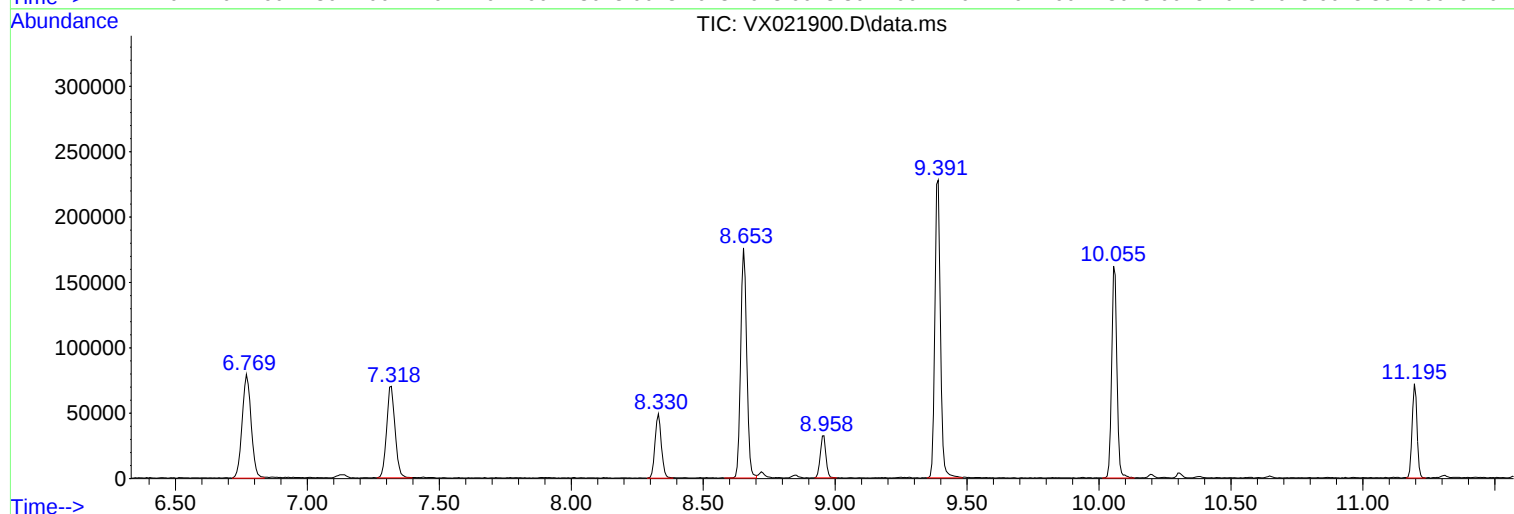
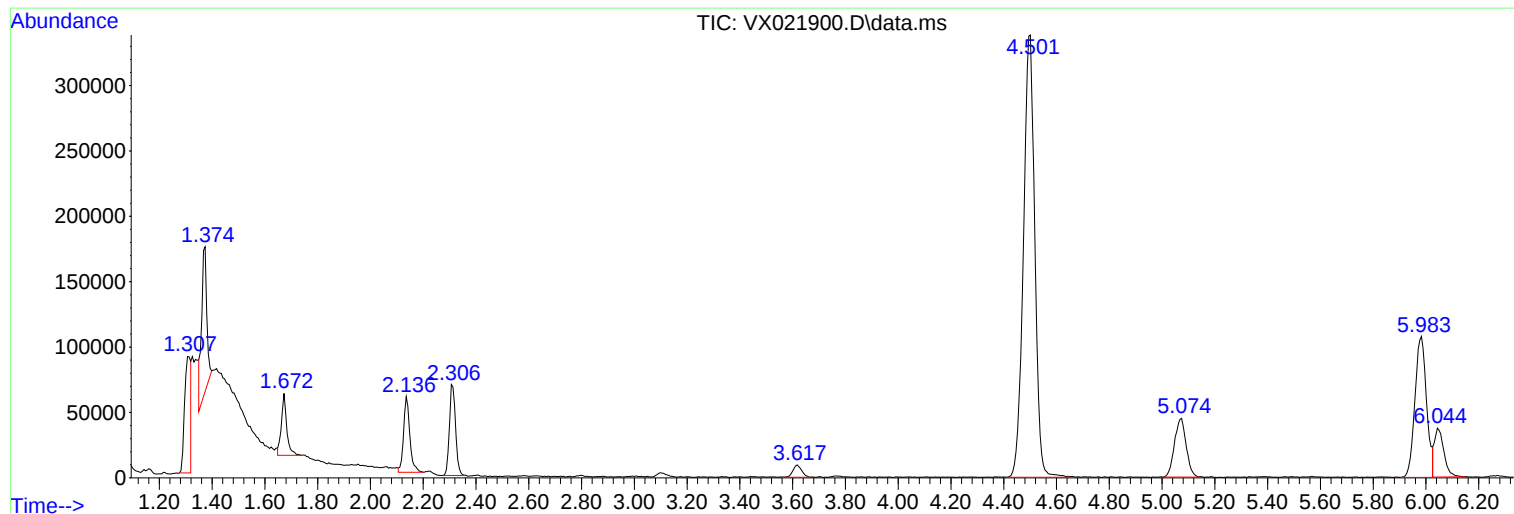
Sum of corrected areas: 4027799

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG6K0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXTR051021WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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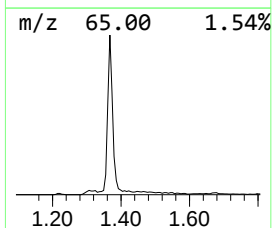
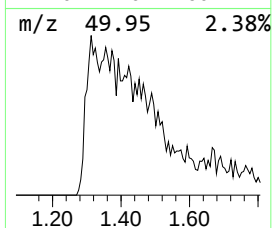
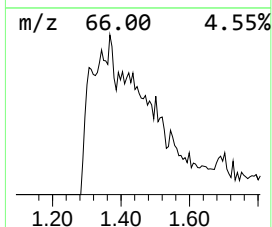
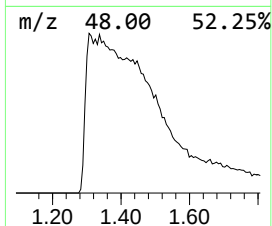
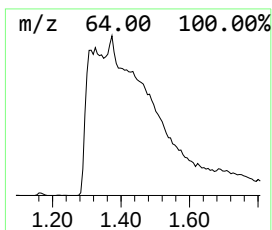
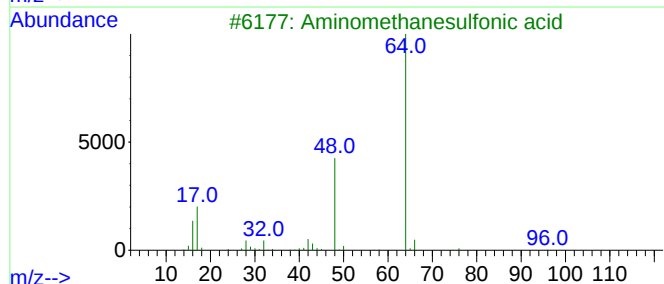
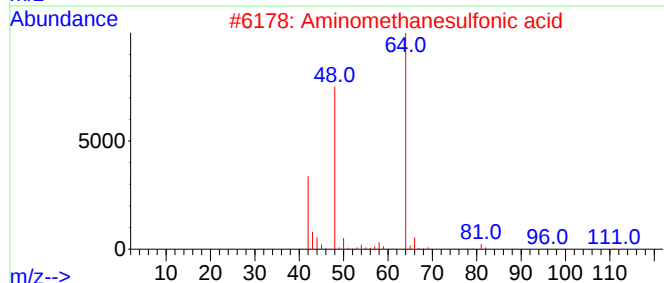
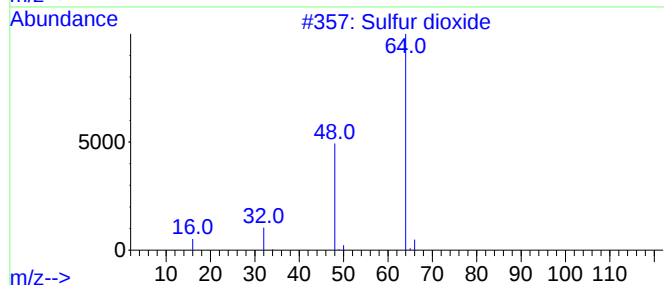
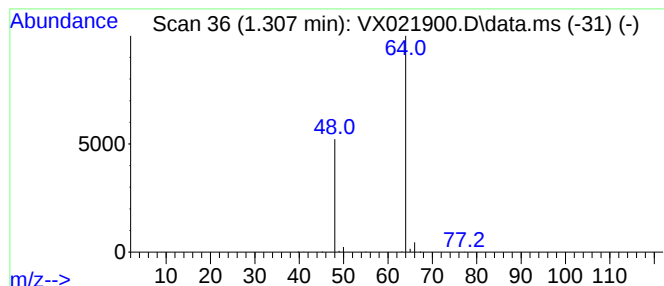
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Quant Title : TRACE VOA SFAM1.0

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.  |
|-------|-----------|--------|---------------------|-------|
| 1.307 | 4.00 ug/L | 148700 | 1,4-Difluorobenzene | 6.769 |

| 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    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 4    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 5    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |



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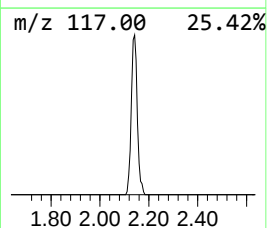
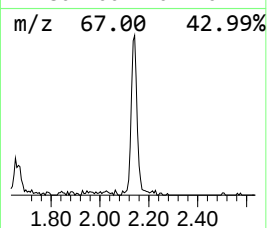
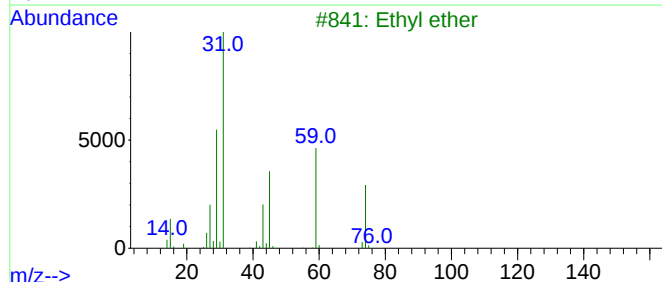
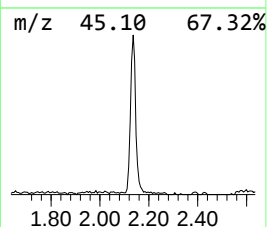
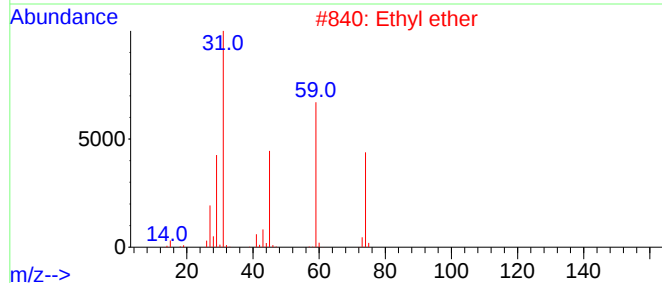
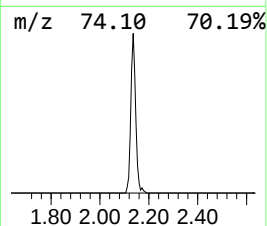
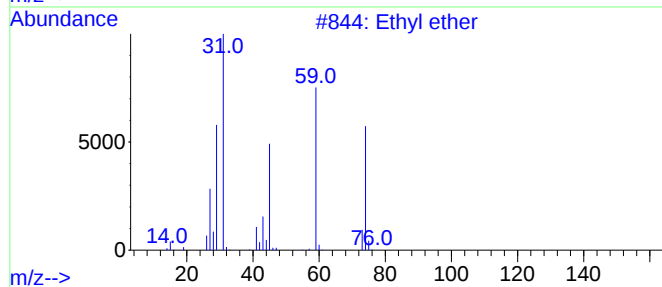
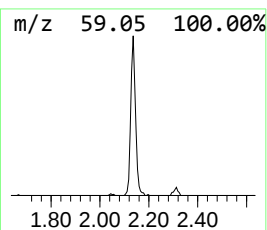
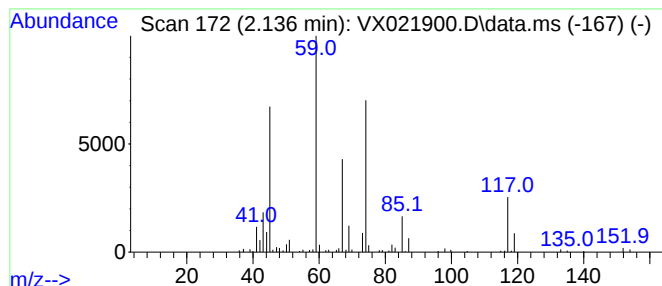
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Quant Title : TRACE VOA SFAM1.0

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

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Peak Number 2 Ethyl ether Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.136 | 2.56 ug/L | 95061 | 1,4-Difluorobenzene | 6.769 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 52   |
| 2    |    |   | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 52   |
| 3    |    |   | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 50   |
| 4    |    |   | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 43   |
| 5    |    |   | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 43   |



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Quant Title : TRACE VOA SFAM1.0

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.307 | 4.0     | ug/L  | 148700   | 1                     | 6.769 | 185908 | 5.0  |
| Ethyl ether      | 2.136 | 2.6     | ug/L  | 95061    | 1                     | 6.769 | 185908 | 5.0  |