

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061019\  
 Data File : VV011374.D  
 Acq On : 11 Jun 2019 04:35  
 Operator : SY/MD  
 Sample : K3229-09  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9P26

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\SOMVTR060419WMA.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       | 4             | 7           | 15           | rVB      | 15098          | 13375         | 2.53%           | 0.293%        |
| 2         | 1.209       | 31            | 37          | 47           | rVB      | 58840          | 78686         | 14.86%          | 1.723%        |
| 3         | 1.315       | 61            | 70          | 81           | rBV      | 75703          | 87662         | 16.55%          | 1.920%        |
| 4         | 1.553       | 139           | 144         | 159          | rVB      | 62261          | 76174         | 14.38%          | 1.668%        |
| 5         | 2.116       | 310           | 319         | 333          | rVB      | 119197         | 168048        | 31.73%          | 3.681%        |
| 6         | 2.193       | 335           | 343         | 352          | rVB2     | 23876          | 36019         | 6.80%           | 0.789%        |
| 7         | 2.325       | 374           | 384         | 396          | rVB      | 26845          | 48665         | 9.19%           | 1.066%        |
| 8         | 2.643       | 472           | 483         | 496          | rBV2     | 33231          | 70292         | 13.27%          | 1.540%        |
| 9         | 3.942       | 873           | 887         | 917          | rBV      | 81866          | 229713        | 43.37%          | 5.031%        |
| 10        | 4.393       | 1010          | 1027        | 1047         | rBV      | 91467          | 218059        | 41.17%          | 4.776%        |
| 11        | 5.087       | 1228          | 1243        | 1268         | rBV2     | 212832         | 500102        | 94.42%          | 10.954%       |
| 12        | 5.659       | 1408          | 1421        | 1441         | rBV      | 189289         | 371416        | 70.12%          | 8.135%        |
| 13        | 6.113       | 1549          | 1562        | 1580         | rBV      | 124922         | 252157        | 47.61%          | 5.523%        |
| 14        | 7.029       | 1833          | 1847        | 1862         | rBV2     | 49725          | 89200         | 16.84%          | 1.954%        |
| 15        | 7.357       | 1935          | 1949        | 1964         | rBV      | 228665         | 399303        | 75.39%          | 8.746%        |
| 16        | 7.662       | 2033          | 2044        | 2062         | rVB2     | 27663          | 49510         | 9.35%           | 1.084%        |
| 17        | 8.132       | 2176          | 2190        | 2215         | rBV      | 299681         | 529657        | 100.00%         | 11.601%       |
| 18        | 8.894       | 2414          | 2427        | 2445         | rBV      | 268323         | 448709        | 84.72%          | 9.828%        |
| 19        | 9.058       | 2470          | 2478        | 2489         | rVB8     | 4105           | 7707          | 1.46%           | 0.169%        |
| 20        | 9.180       | 2506          | 2516        | 2525         | rBV3     | 12592          | 22242         | 4.20%           | 0.487%        |
| 21        | 9.588       | 2635          | 2643        | 2654         | rBV3     | 8320           | 12853         | 2.43%           | 0.282%        |
| 22        | 10.260      | 2838          | 2852        | 2867         | rBV      | 86320          | 141886        | 26.79%          | 3.108%        |
| 23        | 11.293      | 3161          | 3173        | 3191         | rBV      | 216480         | 358248        | 67.64%          | 7.847%        |
| 24        | 11.669      | 3278          | 3290        | 3306         | rBV2     | 204877         | 334925        | 63.23%          | 7.336%        |
| 25        | 16.759      | 4865          | 4873        | 4887         | rVB3     | 13511          | 20976         | 3.96%           | 0.459%        |

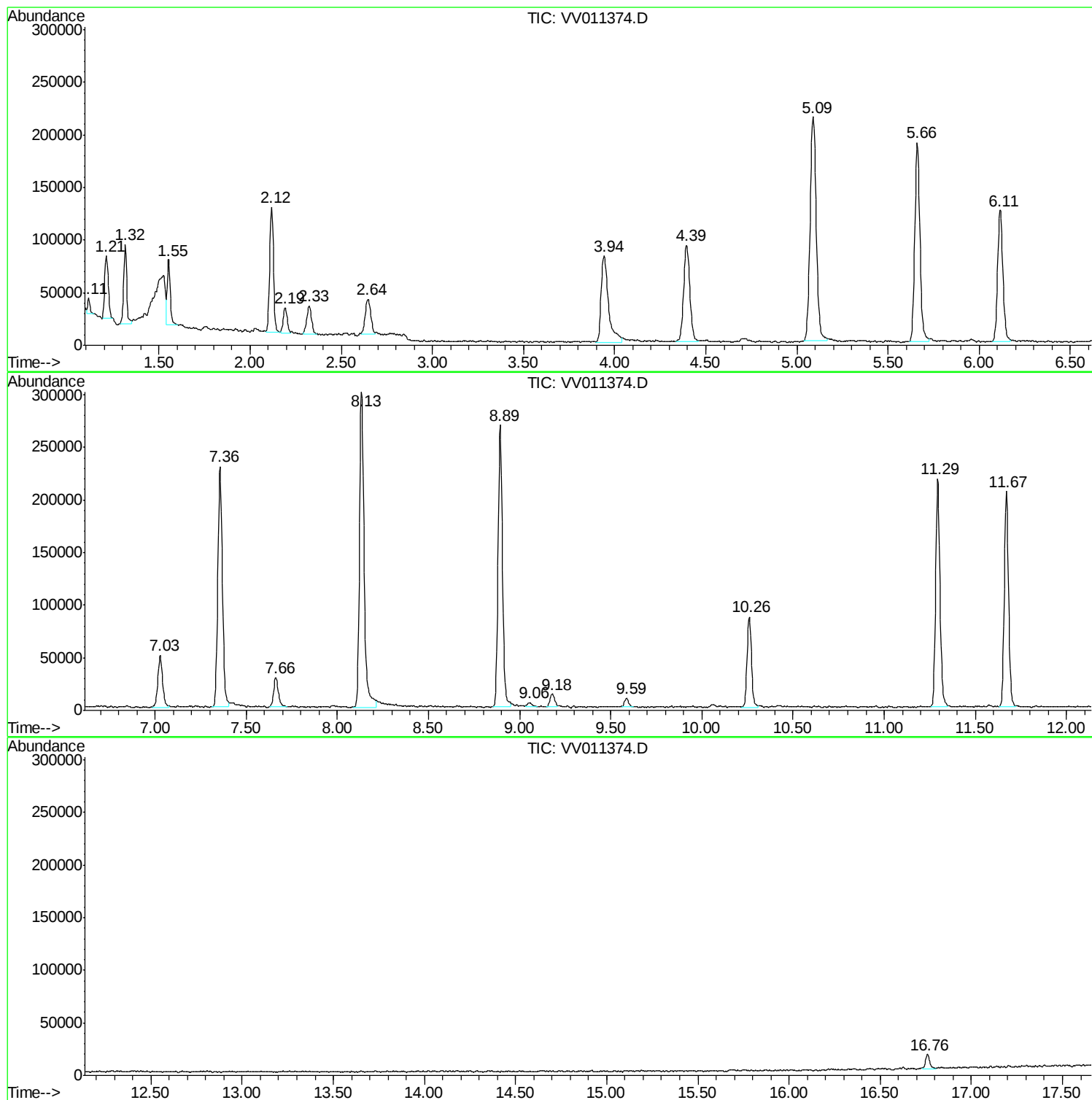
Sum of corrected areas: 4565584

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061019\  
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Misc : 25ML/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9P26

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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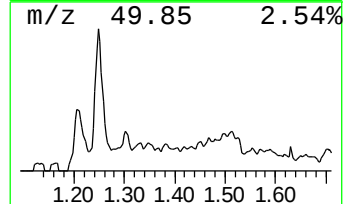
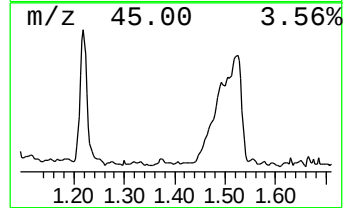
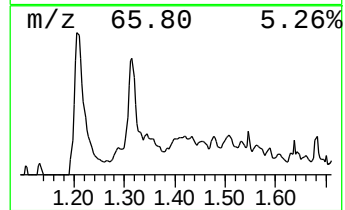
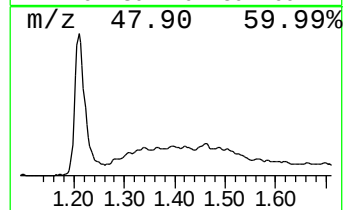
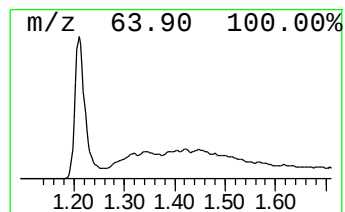
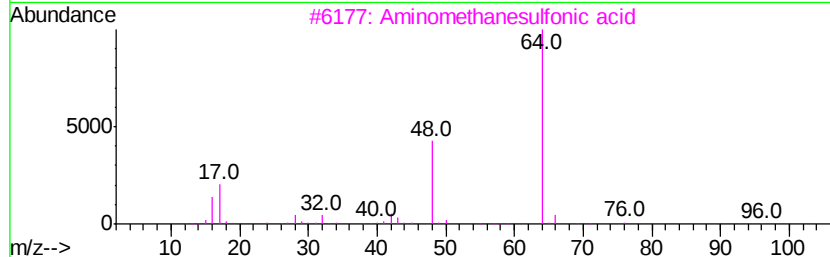
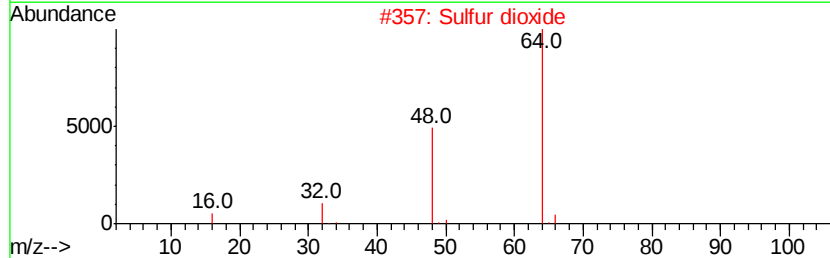
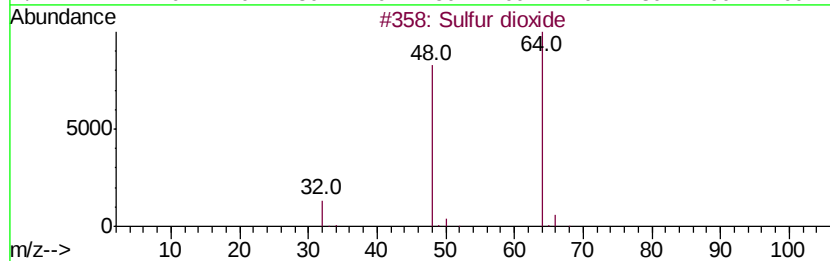
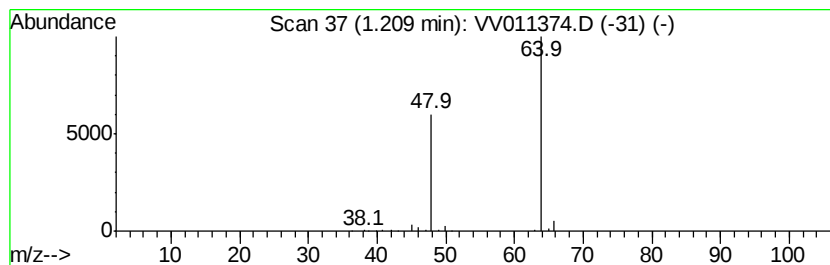
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0

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 | 1.06 ug/L | 78686 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 83   |
| 2    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 83   |
| 3    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 4    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 64   |
| 5    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 64   |



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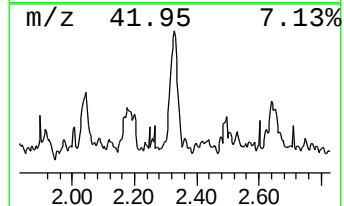
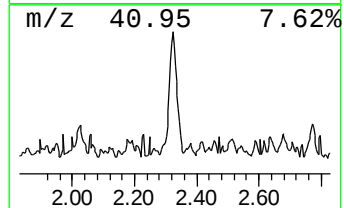
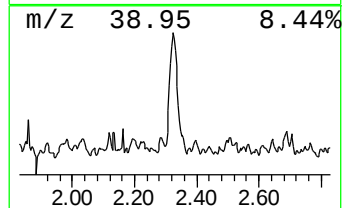
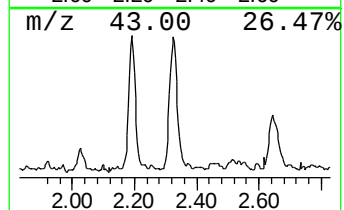
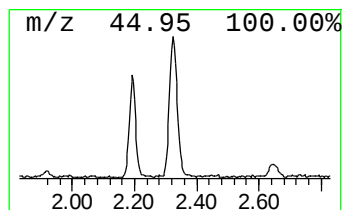
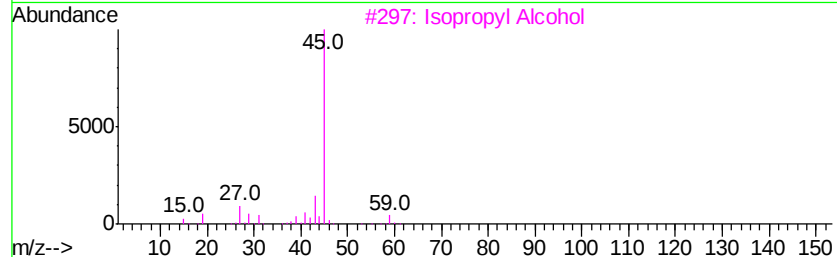
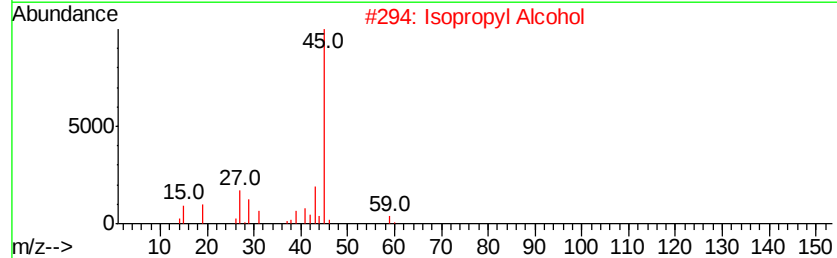
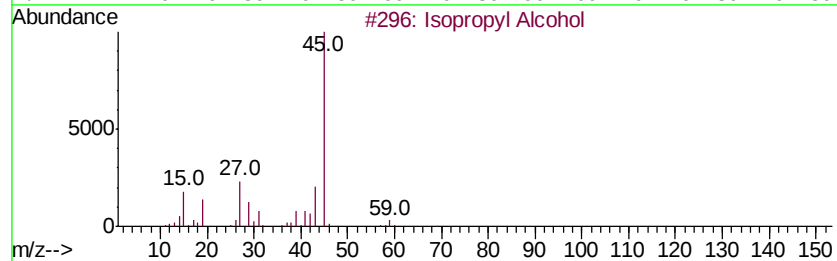
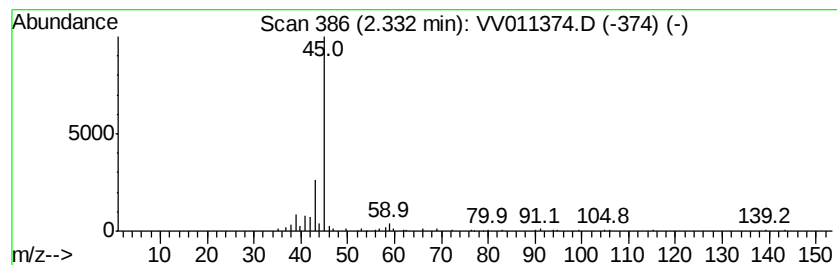
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Peak Number 2 Isopropyl Alcohol Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.33 | 0.66 ug/L | 48665 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Isopropyl Alcohol    | 60  | C3H8O   | 000067-63-0 | 72   |
| 2    |    | Isopropyl Alcohol    | 60  | C3H8O   | 000067-63-0 | 56   |
| 3    |    | Isopropyl Alcohol    | 60  | C3H8O   | 000067-63-0 | 43   |
| 4    |    | 2-Propanol, 1-bromo- | 138 | C3H7BrO | 019686-73-8 | 40   |
| 5    |    | 2,4-Pentanediol      | 104 | C5H12O2 | 000625-69-4 | 40   |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|-------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                   |      |         |       |          | #                     | RT   | Resp   | Conc |
| Sulfur dioxide    | 1.21 | 1.1     | ug/L  | 78686    | 1                     | 5.66 | 371416 | 5.0  |
| Isopropyl Alcohol | 2.33 | 0.7     | ug/L  | 48665    | 1                     | 5.66 | 371416 | 5.0  |