

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102519\  
 Data File : VU035493.D  
 Acq On : 25 Oct 2019 17:57  
 Operator : JC/SP  
 Sample : K5554-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQ82

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\SOMUTR102519WMA.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         | 1.369       | 4             | 9           | 19           | rBV      | 48403          | 49071         | 4.24%           | 0.574%        |
| 2         | 1.491       | 39            | 47          | 61           | rBV3     | 20478          | 53918         | 4.65%           | 0.631%        |
| 3         | 1.617       | 77            | 86          | 102          | rBV      | 211830         | 243978        | 21.06%          | 2.855%        |
| 4         | 1.935       | 176           | 185         | 203          | rVB      | 152853         | 203876        | 17.60%          | 2.386%        |
| 5         | 2.594       | 379           | 390         | 406          | rBV      | 262235         | 440348        | 38.01%          | 5.153%        |
| 6         | 4.703       | 1027          | 1046        | 1073         | rBV      | 157003         | 431586        | 37.25%          | 5.051%        |
| 7         | 4.880       | 1091          | 1101        | 1123         | rVB3     | 23749          | 56668         | 4.89%           | 0.663%        |
| 8         | 5.115       | 1158          | 1174        | 1194         | rBV      | 210108         | 477383        | 41.20%          | 5.587%        |
| 9         | 5.771       | 1358          | 1378        | 1420         | rBV2     | 448725         | 1158571       | 100.00%         | 13.558%       |
| 10        | 6.292       | 1526          | 1540        | 1565         | rBV      | 237913         | 477058        | 41.18%          | 5.583%        |
| 11        | 6.736       | 1662          | 1678        | 1699         | rBV      | 266091         | 547072        | 47.22%          | 6.402%        |
| 12        | 7.607       | 1935          | 1949        | 1973         | rBV      | 114475         | 234342        | 20.23%          | 2.742%        |
| 13        | 7.935       | 2037          | 2051        | 2067         | rBV      | 468946         | 871181        | 75.19%          | 10.195%       |
| 14        | 8.006       | 2068          | 2073        | 2086         | rVB      | 25678          | 47000         | 4.06%           | 0.550%        |
| 15        | 8.218       | 2127          | 2139        | 2163         | rBV2     | 65344          | 139712        | 12.06%          | 1.635%        |
| 16        | 8.588       | 2245          | 2254        | 2265         | rBV7     | 7938           | 13515         | 1.17%           | 0.158%        |
| 17        | 8.700       | 2273          | 2289        | 2345         | rBV2     | 285487         | 1073599       | 92.67%          | 12.564%       |
| 18        | 9.452       | 2508          | 2523        | 2559         | rBV2     | 324423         | 672473        | 58.04%          | 7.870%        |
| 19        | 10.790      | 2923          | 2939        | 2967         | rVB      | 181372         | 330779        | 28.55%          | 3.871%        |
| 20        | 11.845      | 3251          | 3267        | 3284         | rBV      | 235569         | 459067        | 39.62%          | 5.372%        |
| 21        | 12.224      | 3371          | 3385        | 3407         | rVB      | 303529         | 563983        | 48.68%          | 6.600%        |

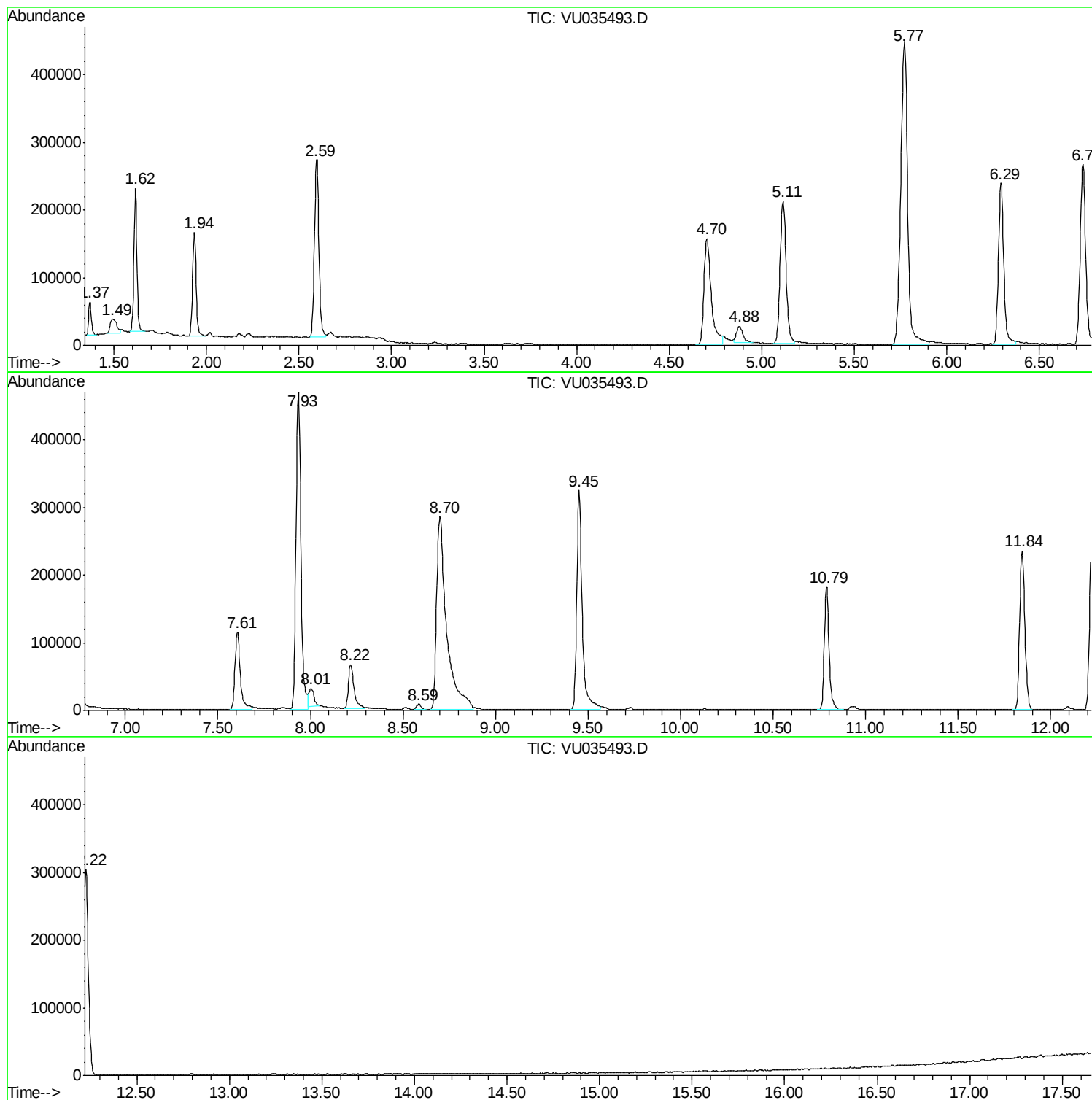
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MSVOA\_U  
ClientSampleId :  
GAQ82

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102519WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Quant Title : TRACE VOA SOM01.0

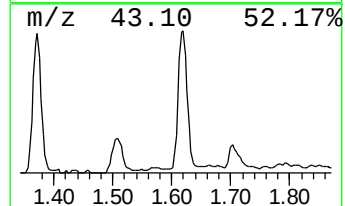
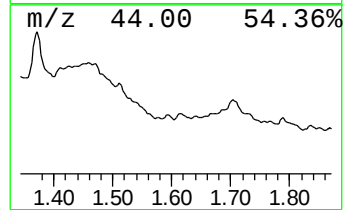
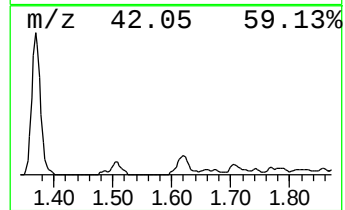
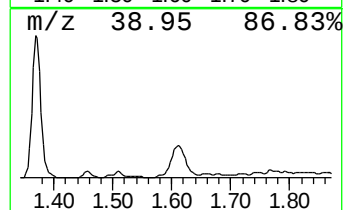
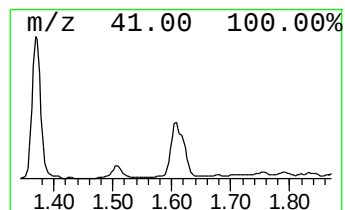
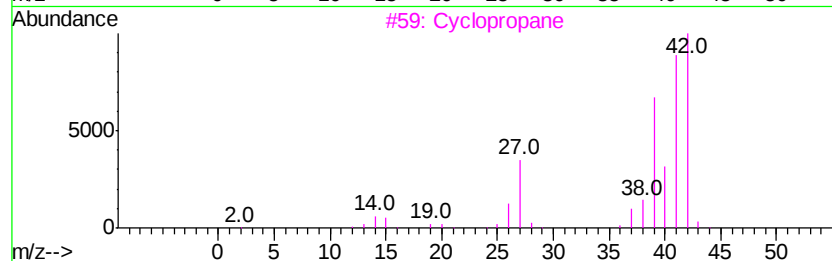
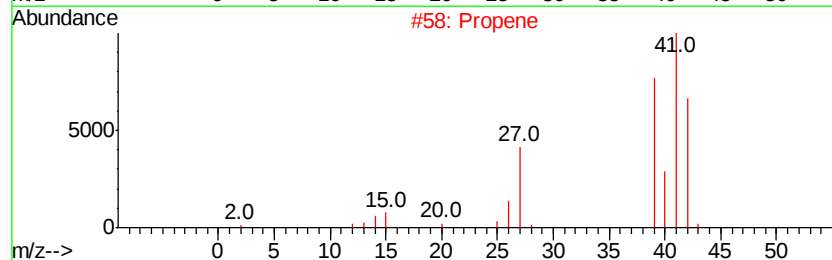
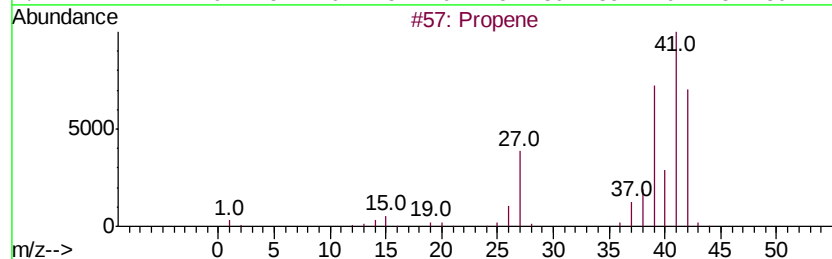
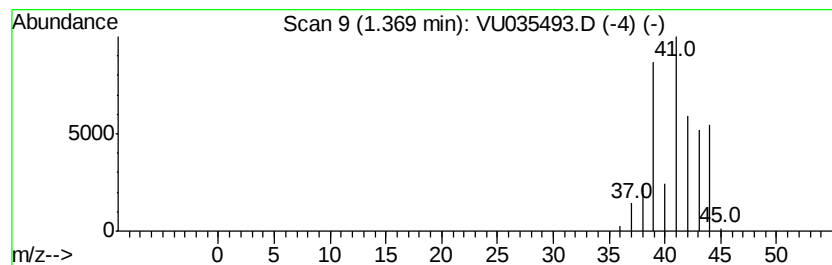
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Cyclic1.37 Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.37 | 0.51 ug/L | 49071 | 1,4-Difluorobenzene | 6.29 |

| Hit# | of           | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|--------------|---|--------------|----|---------|-------------|------|
| 1    | Propene      |   |              | 42 | C3H6    | 000115-07-1 | 86   |
| 2    | Propene      |   |              | 42 | C3H6    | 000115-07-1 | 42   |
| 3    | Cyclopropane |   |              | 42 | C3H6    | 000075-19-4 | 10   |
| 4    | Cyclopropane |   |              | 42 | C3H6    | 000075-19-4 | 9    |
| 5    | Cyclopropene |   |              | 40 | C3H4    | 002781-85-3 | 9    |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102519WMA.M  
Quant Title : TRACE VOA SOM01.0

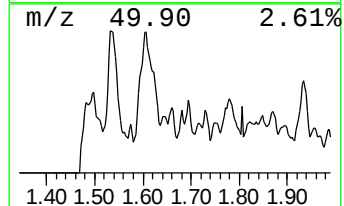
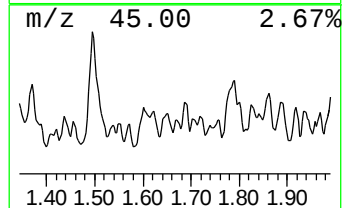
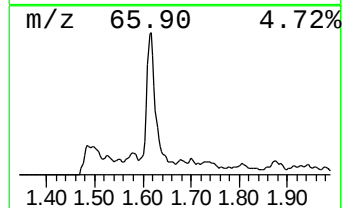
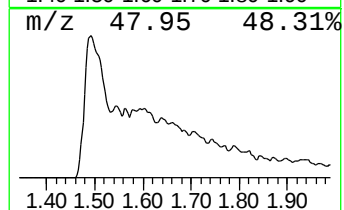
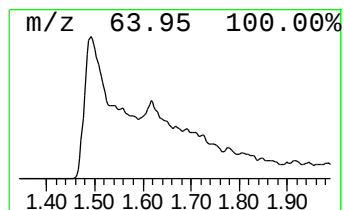
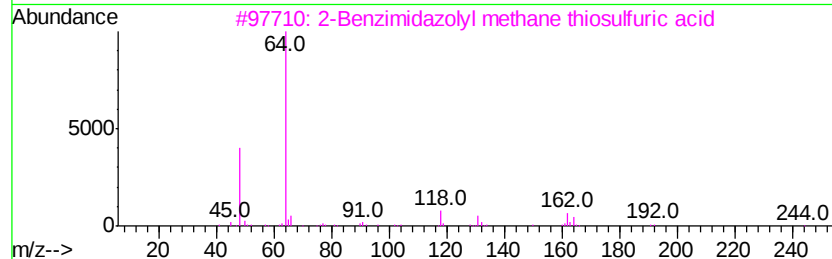
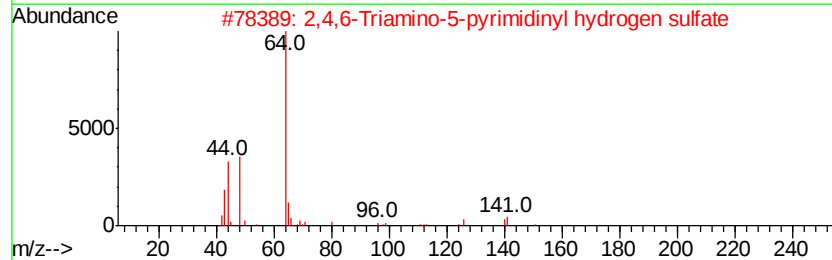
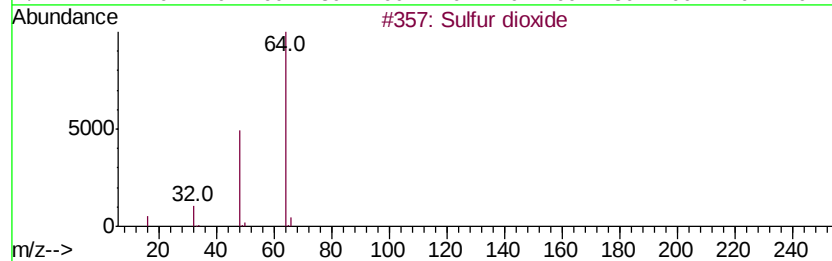
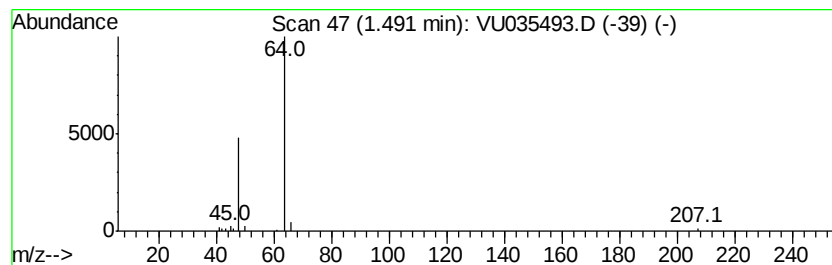
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 2 Sulfur dioxide Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.49 | 0.57 ug/L | 53918 | 1,4-Difluorobenzene | 6.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | Sulfur dioxide                      | 64  | O2S          | 007446-09-5  | 74   |
| 2    |    | 2,4,6-Triamino-5-pyrimidinyl hyd... | 221 | C4H7N5O4S    | 071552-23-3  | 64   |
| 3    |    | 2-Benzimidazolyl methane thiosul... | 244 | C8H8N2O3S2   | 1000256-39-2 | 64   |
| 4    |    | N,N'-Hexamethylenebis[s-3-aminop... | 424 | C12H28N2O6S4 | 035871-55-7  | 64   |
| 5    |    | Aminomethanesulfonic acid           | 111 | CH5NO3S      | 013881-91-9  | 64   |



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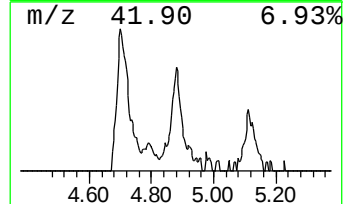
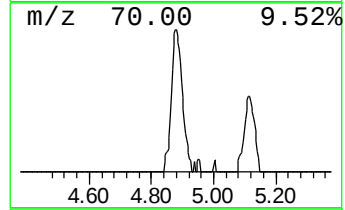
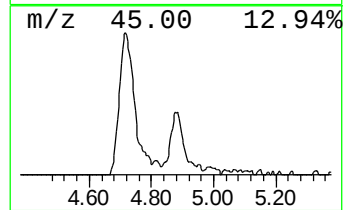
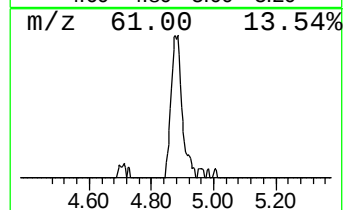
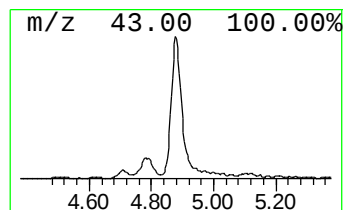
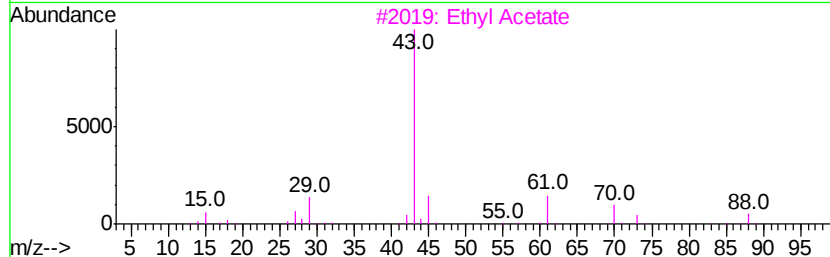
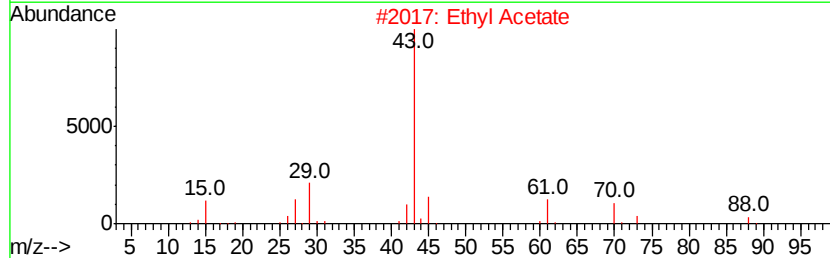
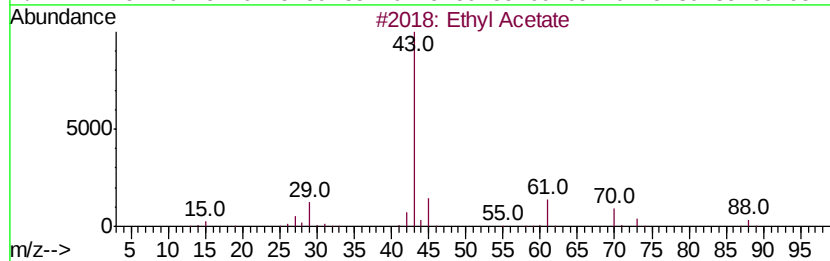
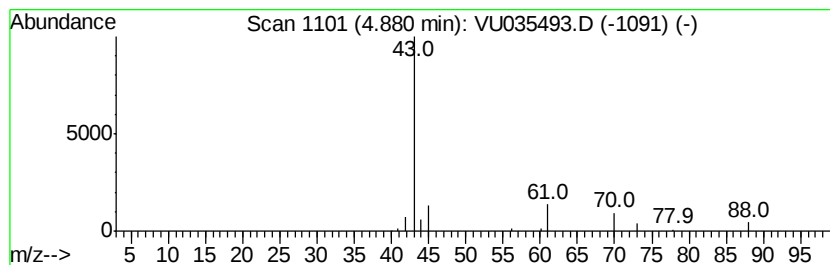
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Ethyl Acetate Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 4.88 | 0.59 ug/L | 56668 | 1,4-Difluorobenzene | 6.29 |

| Hit# | of | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|-----------------|----|---------|-------------|------|
| 1    | 5  | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 2    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 3    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 78   |
| 4    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 78   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 33   |



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MSVOA\_U  
ClientSampleId :  
GAQ82

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Quant Title : TRACE VOA SOM01.0

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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Cyc... | 1.37 | 0.5     | ug/L  | 49071    | 1                     | 6.29 | 477058 | 5.0  |
| Sulfur dioxide       | 1.49 | 0.6     | ug/L  | 53918    | 1                     | 6.29 | 477058 | 5.0  |
| Ethyl Acetate        | 4.88 | 0.6     | ug/L  | 56668    | 1                     | 6.29 | 477058 | 5.0  |