

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
 Data File : VU038062.D  
 Acq On : 08 May 2020 01:06  
 Operator : JC/MD  
 Sample : L2528-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFSK9

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\SOMUTR050720WMA.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       | 3             | 9           | 23           | rVB      | 128549         | 132252        | 1.16%           | 0.438%        |
| 2         | 1.610       | 75            | 84          | 96           | rBV      | 227290         | 245375        | 2.15%           | 0.812%        |
| 3         | 1.929       | 175           | 183         | 199          | rVB      | 172409         | 222430        | 1.95%           | 0.736%        |
| 4         | 2.591       | 372           | 389         | 401          | rBV      | 295039         | 484708        | 4.25%           | 1.605%        |
| 5         | 2.784       | 435           | 449         | 471          | rBV      | 65765          | 124956        | 1.09%           | 0.414%        |
| 6         | 4.665       | 1018          | 1034        | 1070         | rBV2     | 351240         | 1008394       | 8.83%           | 3.338%        |
| 7         | 4.842       | 1074          | 1089        | 1117         | rVB      | 272033         | 584511        | 5.12%           | 1.935%        |
| 8         | 5.099       | 1153          | 1169        | 1194         | rBV2     | 300466         | 693292        | 6.07%           | 2.295%        |
| 9         | 5.758       | 1352          | 1374        | 1386         | rBV2     | 532747         | 1383338       | 12.12%          | 4.580%        |
| 10        | 6.279       | 1520          | 1536        | 1564         | rBV      | 474787         | 901831        | 7.90%           | 2.986%        |
| 11        | 6.571       | 1610          | 1627        | 1658         | rBV      | 2544891        | 4704231       | 41.20%          | 15.573%       |
| 12        | 6.719       | 1659          | 1673        | 1695         | rVB      | 334758         | 650132        | 5.69%           | 2.152%        |
| 13        | 7.067       | 1768          | 1781        | 1803         | rBV      | 233205         | 402384        | 3.52%           | 1.332%        |
| 14        | 7.591       | 1931          | 1944        | 1961         | rBV      | 169951         | 296585        | 2.60%           | 0.982%        |
| 15        | 7.922       | 2032          | 2047        | 2079         | rBV      | 655073         | 1175740       | 10.30%          | 3.892%        |
| 16        | 8.202       | 2121          | 2134        | 2156         | rBV2     | 100250         | 173194        | 1.52%           | 0.573%        |
| 17        | 8.575       | 2235          | 2250        | 2265         | rBV      | 6730058        | 11417321      | 100.00%         | 37.797%       |
| 18        | 8.655       | 2265          | 2275        | 2317         | rVB      | 878785         | 1721854       | 15.08%          | 5.700%        |
| 19        | 9.436       | 2504          | 2518        | 2554         | rBV      | 665313         | 1144589       | 10.03%          | 3.789%        |
| 20        | 10.771      | 2921          | 2933        | 2950         | rBV      | 236829         | 374976        | 3.28%           | 1.241%        |
| 21        | 11.825      | 3247          | 3261        | 3277         | rBV      | 700264         | 1108401       | 9.71%           | 3.669%        |
| 22        | 12.205      | 3365          | 3379        | 3397         | rVB      | 611639         | 985560        | 8.63%           | 3.263%        |
| 23        | 17.378      | 4976          | 4988        | 5002         | rBV2     | 145745         | 270946        | 2.37%           | 0.897%        |

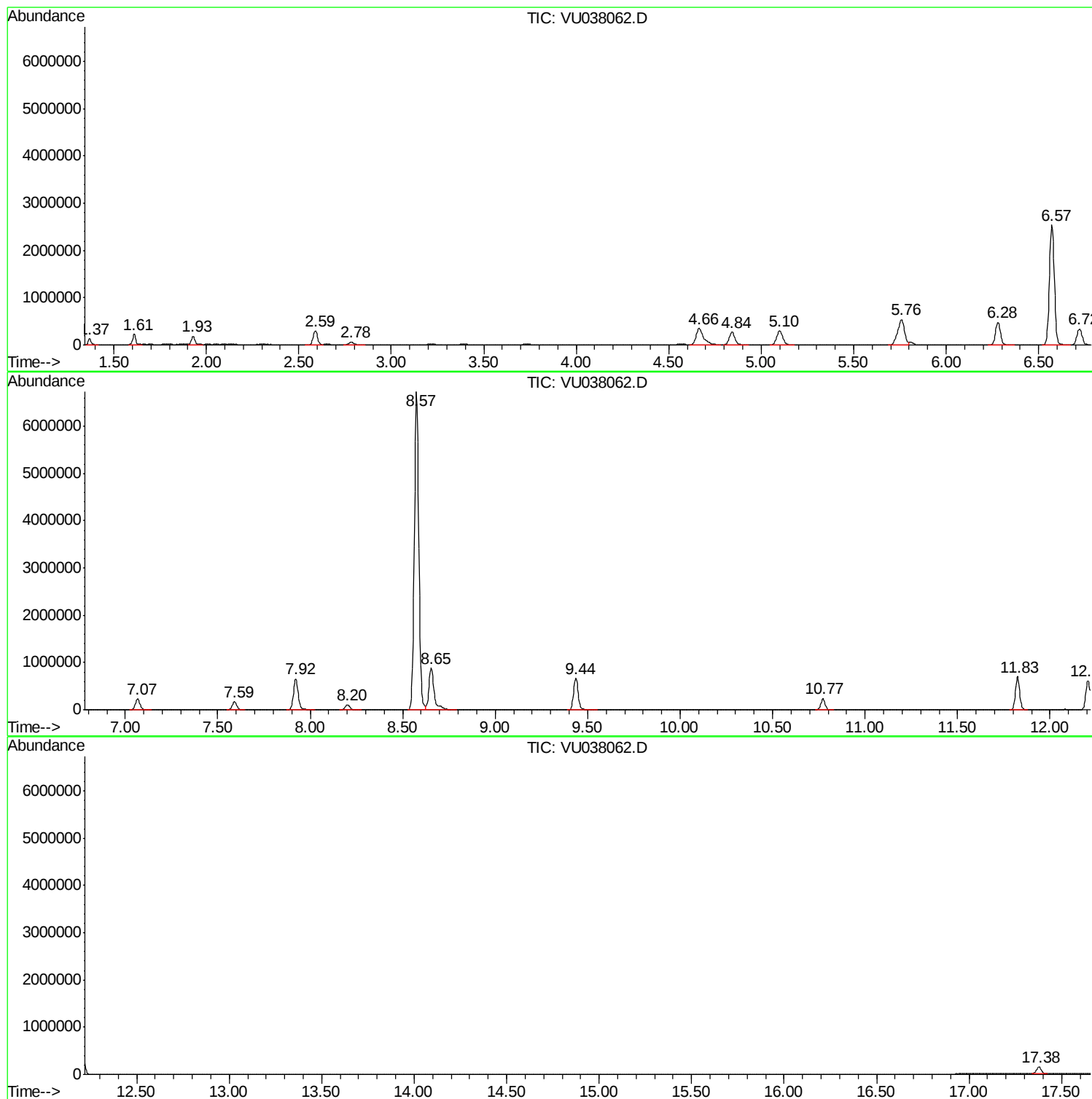
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MSVOA\_U  
ClientSampleId :  
BFSK9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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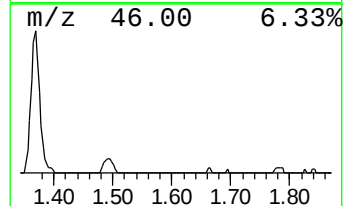
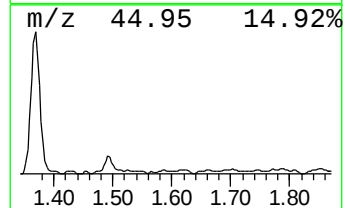
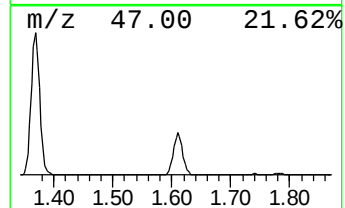
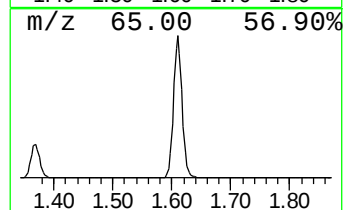
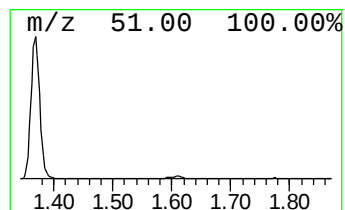
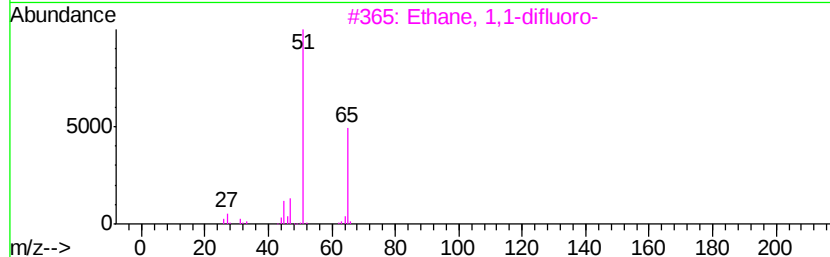
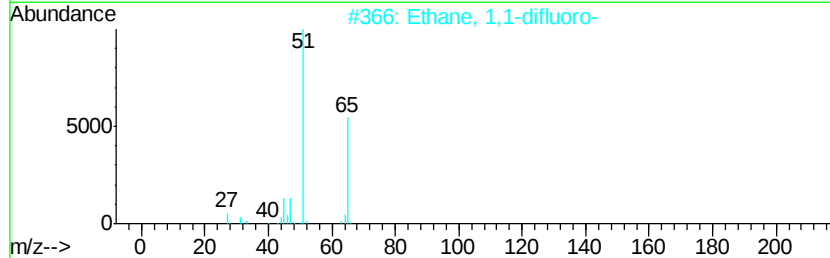
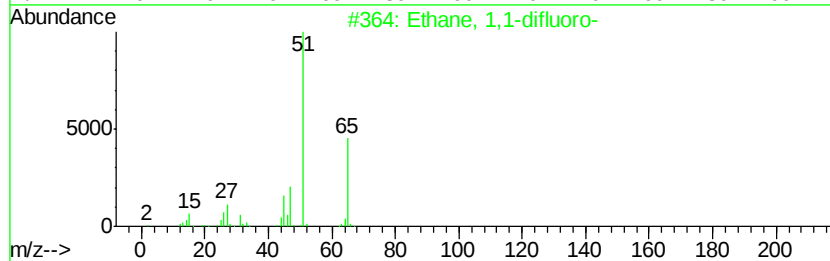
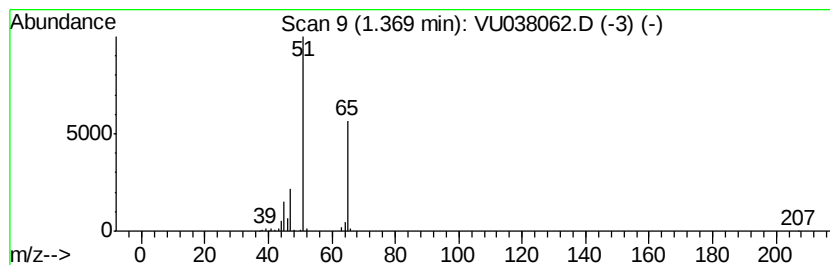
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 5

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.37 | 0.73 ug/L | 132252 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|------------------------|----|---------|-------------|------|
| 1    | 5  | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 91   |
| 2    |    | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 91   |
| 3    |    | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 90   |
| 4    |    | Propiolonitrile        | 51 | C3HN    | 001070-71-9 | 3    |
| 5    |    | Propane, 2,2-difluoro- | 80 | C3H6F2  | 000420-45-1 | 2    |



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Quant Title : TRACE VOA SOM01.0

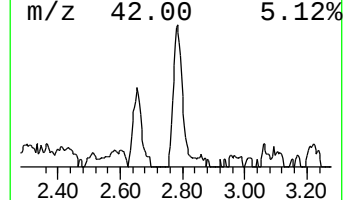
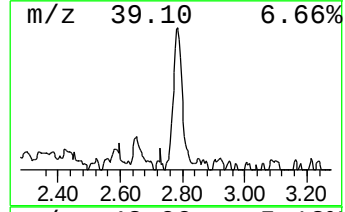
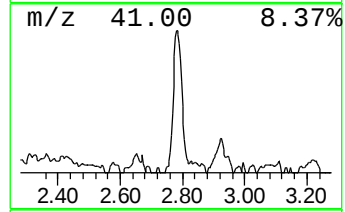
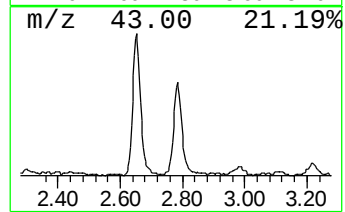
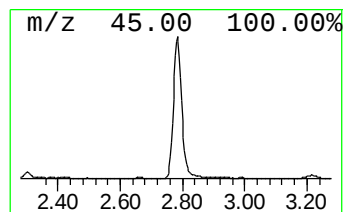
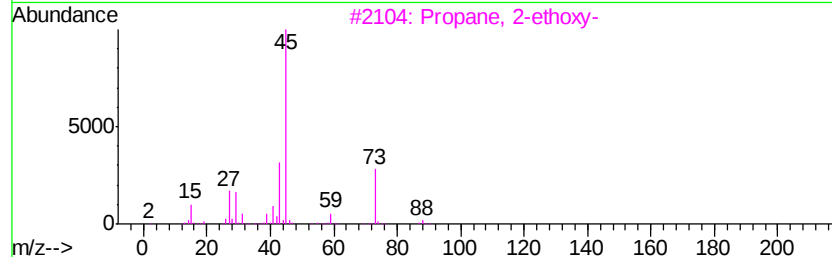
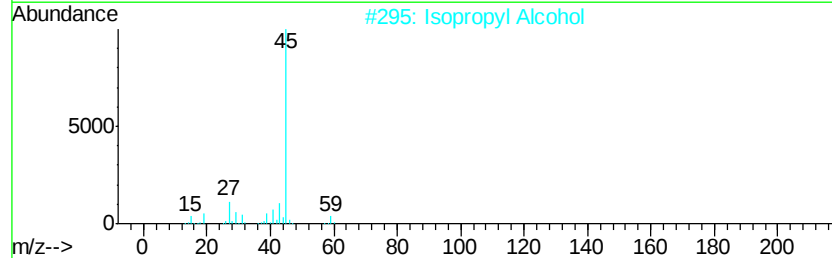
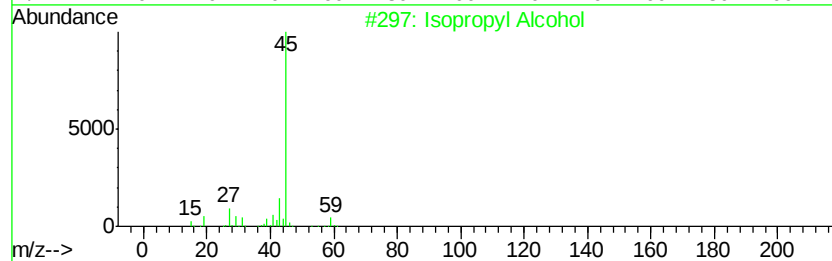
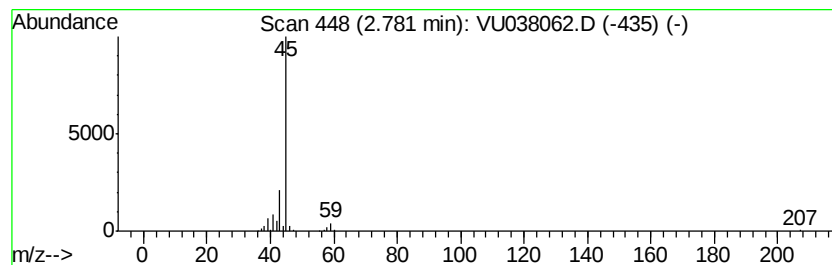
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Isopropyl Alcohol Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.78 | 0.69 ug/L | 124956 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|----|--------------------|----|---------|-------------|------|
| 1    | 5  | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 86   |
| 2    |    | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 86   |
| 3    |    | Propane, 2-ethoxy- | 88 | C5H12O  | 000625-54-7 | 78   |
| 4    |    | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 78   |
| 5    |    | Propane, 2-ethoxy- | 88 | C5H12O  | 000625-54-7 | 64   |



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 Quant Title : TRACE VOA SOM01.0

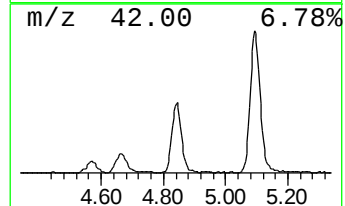
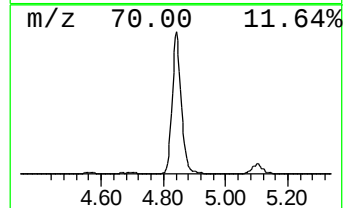
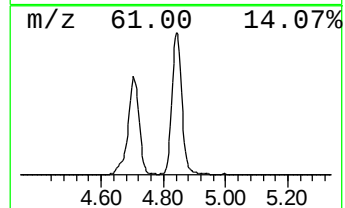
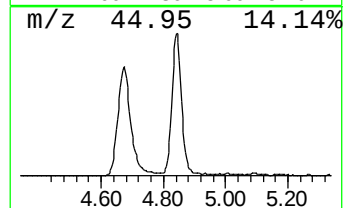
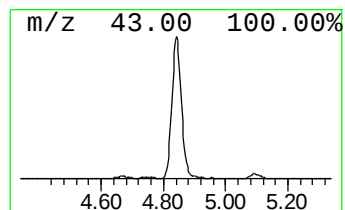
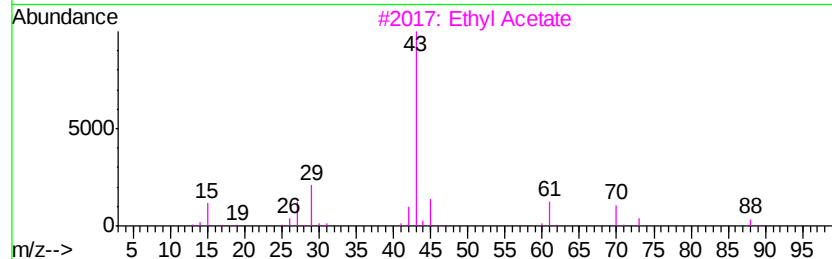
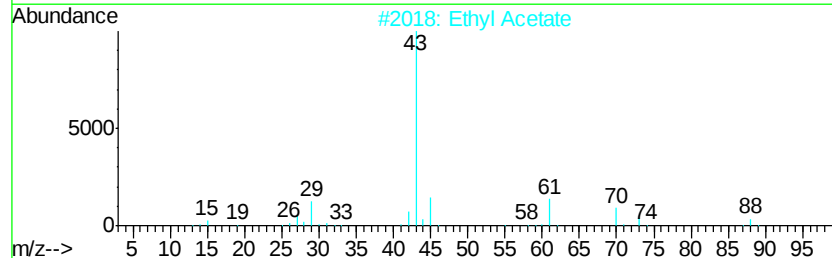
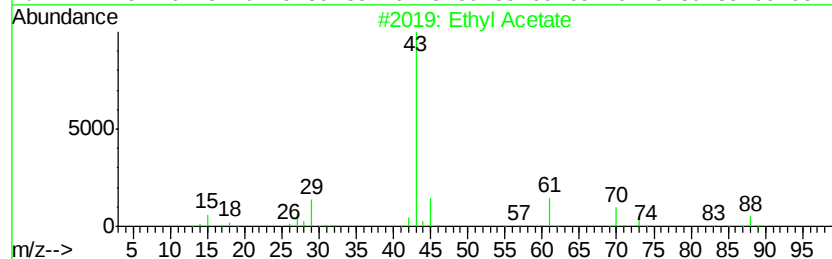
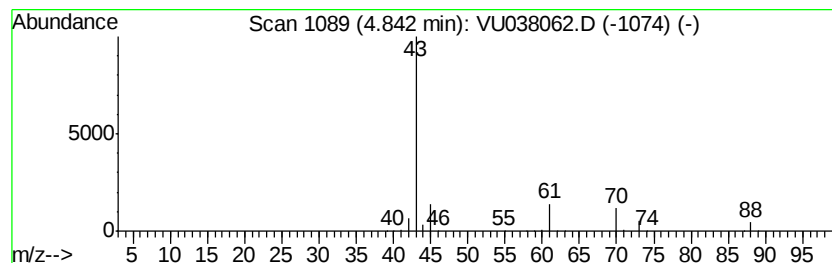
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 3 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.84 | 3.24 ug/L | 584511 | 1,4-Difluorobenzene | 6.28 |

| 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 | 90   |
| 4    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 83   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 33   |



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ClientSampleId :  
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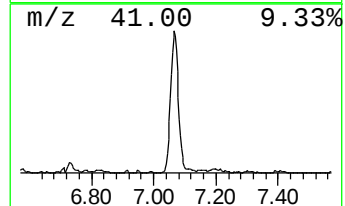
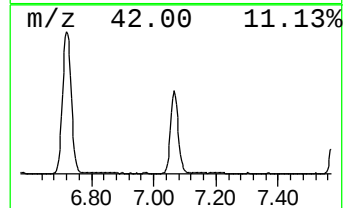
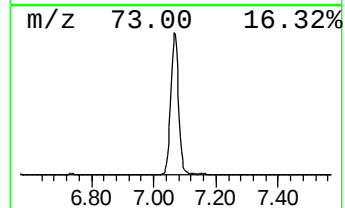
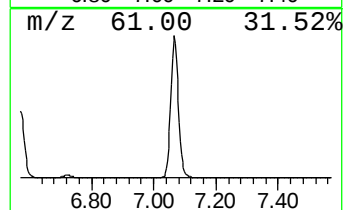
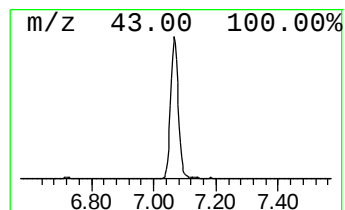
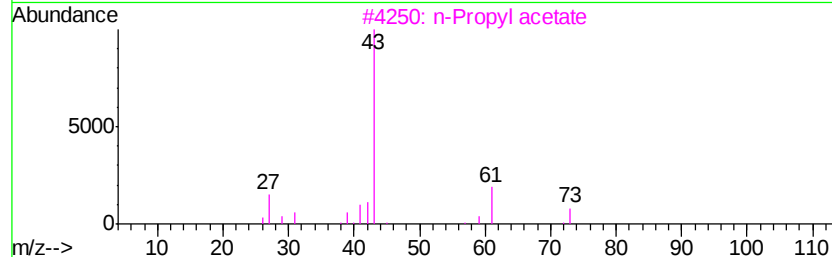
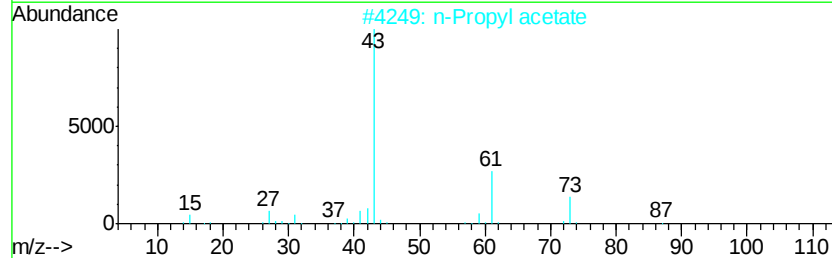
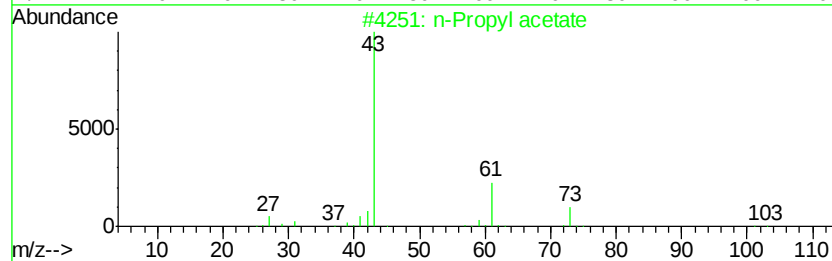
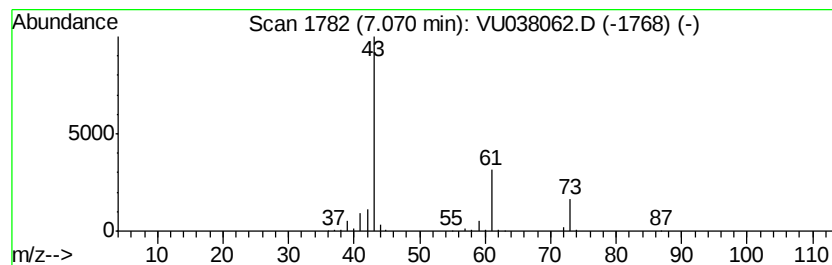
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 4 n-Propyl acetate Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 7.07 | 2.23 ug/L | 402384 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 83   |
| 2    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 83   |
| 3    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 78   |
| 4    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36   |
| 5    |    | 1-Butanamine      | 73  | C4H11N  | 000109-73-9 | 9    |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
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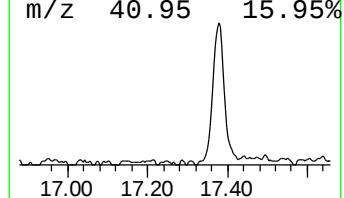
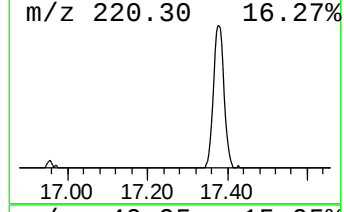
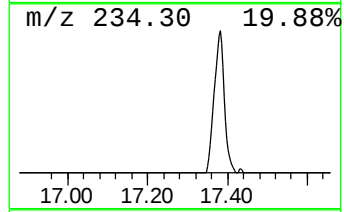
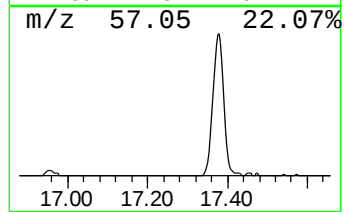
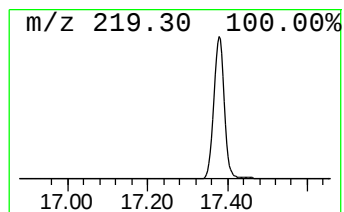
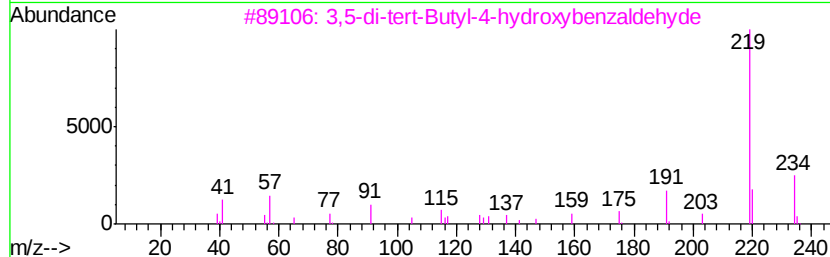
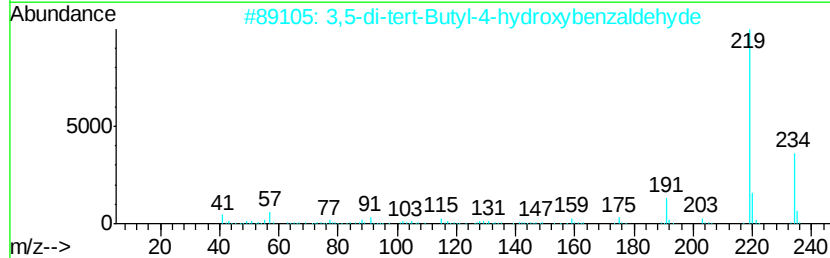
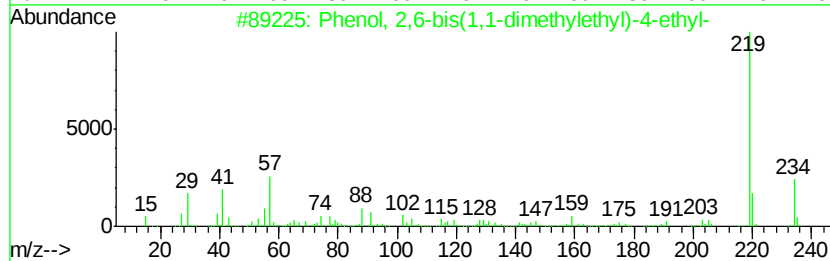
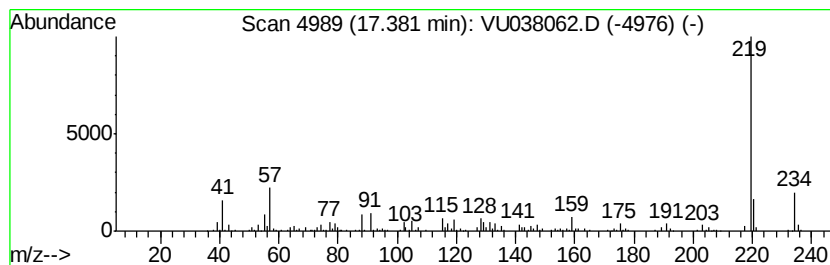
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 17.38 | 1.22 ug/L | 270946 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Phenol, 2,6-bis(1,1-dimethylethyl)... | 234 | C16H26O  | 004130-42-1 | 94   |
| 2    |    |   | 3,5-di-tert-Butyl-4-hydroxybenza...   | 234 | C15H22O2 | 001620-98-0 | 90   |
| 3    |    |   | 3,5-di-tert-Butyl-4-hydroxybenza...   | 234 | C15H22O2 | 001620-98-0 | 90   |
| 4    |    |   | Phenol, 2,6-bis(1,1-dimethylethyl)... | 234 | C16H26O  | 004130-42-1 | 90   |
| 5    |    |   | 3,5-Di-tert-butylbenzoic acid         | 234 | C15H22O2 | 016225-26-6 | 80   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050720\  
Data File : VU038062.D  
Acq On : 08 May 2020 01:06  
Operator : JC/MD  
Sample : L2528-02  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFSK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Ethane, 1,1-diflu... | 1.37  | 0.7     | ug/L  | 132252   | 1                     | 6.28  | 901831  | 5.0  |
| Isopropyl Alcohol    | 2.78  | 0.7     | ug/L  | 124956   | 1                     | 6.28  | 901831  | 5.0  |
| Ethyl Acetate        | 4.84  | 3.2     | ug/L  | 584511   | 1                     | 6.28  | 901831  | 5.0  |
| n-Propyl acetate     | 7.07  | 2.2     | ug/L  | 402384   | 1                     | 6.28  | 901831  | 5.0  |
| Phenol, 2,6-bis(1... | 17.38 | 1.2     | ug/L  | 270946   | 3                     | 11.83 | 1108400 | 5.0  |