

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
 Data File : VU038075.D  
 Acq On : 08 May 2020 06:08  
 Operator : JC/MD  
 Sample : L2526-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFSF9

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           | 19           | rBV      | 109491         | 108255        | 6.91%           | 0.790%        |
| 2         | 1.613       | 75            | 85          | 95           | rBV      | 209620         | 232516        | 14.85%          | 1.696%        |
| 3         | 1.928       | 175           | 183         | 194          | rBV      | 168172         | 212763        | 13.59%          | 1.552%        |
| 4         | 2.591       | 375           | 389         | 400          | rBV      | 284963         | 464067        | 29.64%          | 3.385%        |
| 5         | 2.652       | 400           | 408         | 425          | rVB      | 22561          | 40138         | 2.56%           | 0.293%        |
| 6         | 2.781       | 434           | 448         | 466          | rBV      | 57050          | 105662        | 6.75%           | 0.771%        |
| 7         | 3.218       | 568           | 584         | 600          | rBV2     | 25529          | 58392         | 3.73%           | 0.426%        |
| 8         | 3.395       | 623           | 639         | 654          | rBV3     | 17426          | 38168         | 2.44%           | 0.278%        |
| 9         | 3.735       | 729           | 745         | 766          | rVB3     | 22194          | 49636         | 3.17%           | 0.362%        |
| 10        | 4.568       | 988           | 1004        | 1017         | rBV4     | 17933          | 45508         | 2.91%           | 0.332%        |
| 11        | 4.665       | 1017          | 1034        | 1075         | rVV3     | 310293         | 835730        | 53.38%          | 6.096%        |
| 12        | 4.842       | 1075          | 1089        | 1122         | rVB      | 191714         | 419896        | 26.82%          | 3.063%        |
| 13        | 5.102       | 1153          | 1170        | 1194         | rBV4     | 271752         | 658306        | 42.05%          | 4.802%        |
| 14        | 5.423       | 1256          | 1270        | 1285         | rBV3     | 18919          | 42017         | 2.68%           | 0.307%        |
| 15        | 5.758       | 1352          | 1374        | 1400         | rBV2     | 515738         | 1344391       | 85.87%          | 9.807%        |
| 16        | 6.279       | 1521          | 1536        | 1564         | rBV      | 449917         | 861652        | 55.04%          | 6.285%        |
| 17        | 6.571       | 1615          | 1627        | 1642         | rVB3     | 43477          | 85219         | 5.44%           | 0.622%        |
| 18        | 6.719       | 1658          | 1673        | 1691         | rBV      | 323666         | 634092        | 40.50%          | 4.625%        |
| 19        | 7.067       | 1768          | 1781        | 1799         | rBV      | 139235         | 241234        | 15.41%          | 1.760%        |
| 20        | 7.591       | 1927          | 1944        | 1957         | rBV2     | 162612         | 279228        | 17.84%          | 2.037%        |
| 21        | 7.922       | 2033          | 2047        | 2078         | rBV      | 625921         | 1147488       | 73.30%          | 8.371%        |
| 22        | 8.202       | 2121          | 2134        | 2152         | rBV2     | 99611          | 167855        | 10.72%          | 1.224%        |
| 23        | 8.575       | 2236          | 2250        | 2262         | rBV2     | 230614         | 398913        | 25.48%          | 2.910%        |
| 24        | 8.655       | 2262          | 2275        | 2313         | rVB      | 796823         | 1565572       | 100.00%         | 11.420%       |
| 25        | 9.436       | 2503          | 2518        | 2545         | rBV      | 640594         | 1105336       | 70.60%          | 8.063%        |
| 26        | 10.771      | 2921          | 2933        | 2948         | rBV      | 232733         | 373973        | 23.89%          | 2.728%        |
| 27        | 11.825      | 3245          | 3261        | 3276         | rBV      | 668845         | 1062739       | 67.88%          | 7.752%        |
| 28        | 12.205      | 3364          | 3379        | 3397         | rVB      | 609808         | 976617        | 62.38%          | 7.124%        |
| 29        | 17.375      | 4977          | 4987        | 5002         | rBV      | 84426          | 153274        | 9.79%           | 1.118%        |

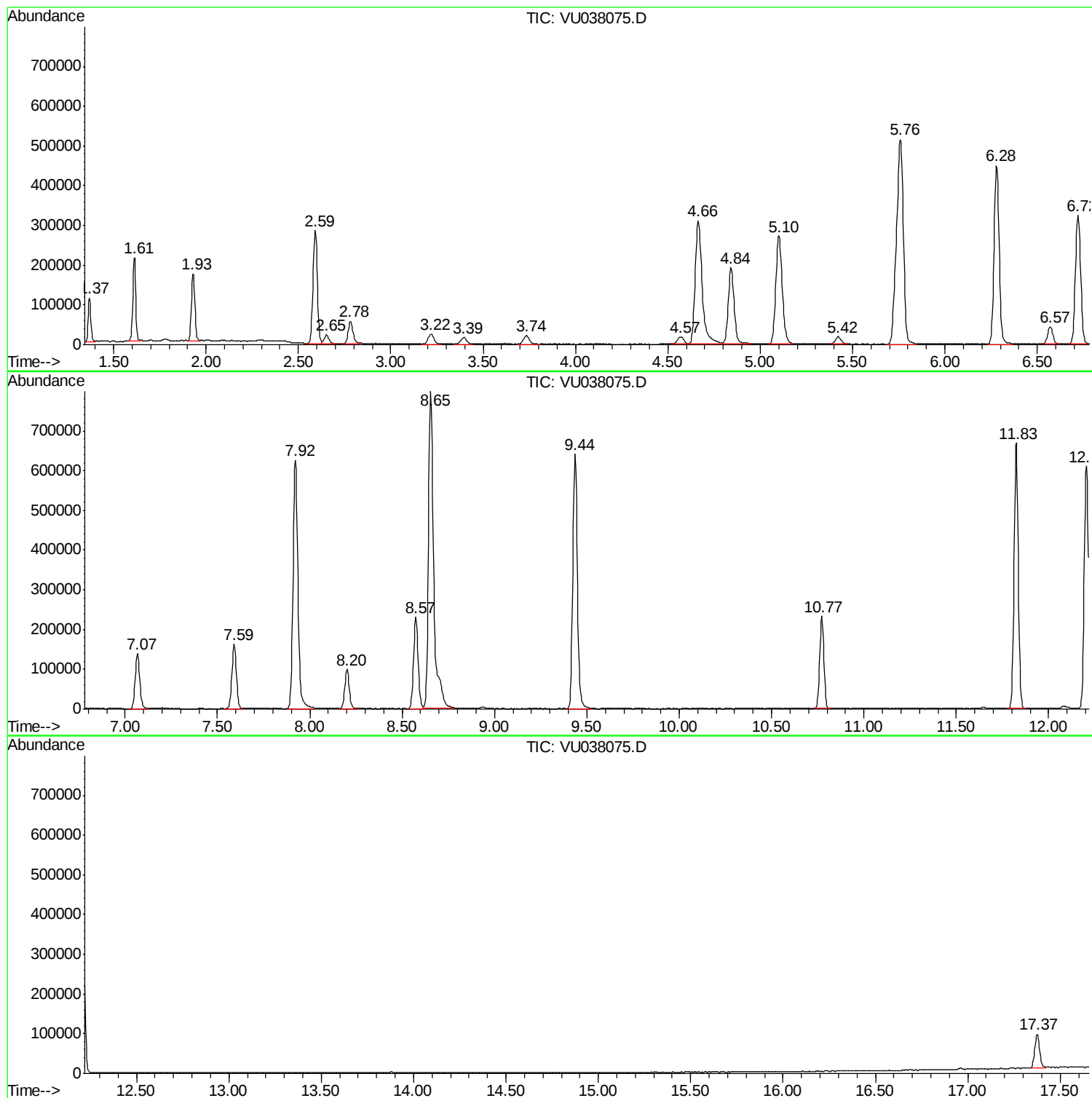
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Instrument :  
MSVOA\_U  
ClientSampleId :  
BFSF9

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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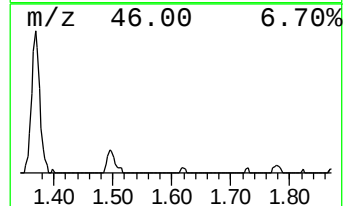
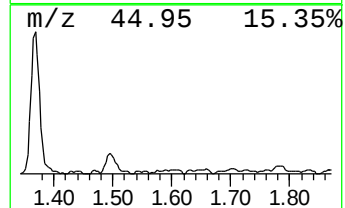
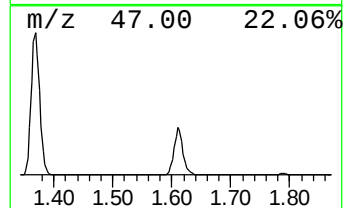
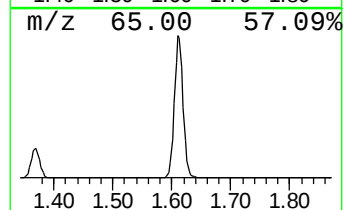
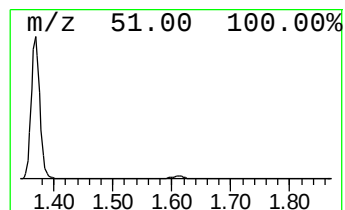
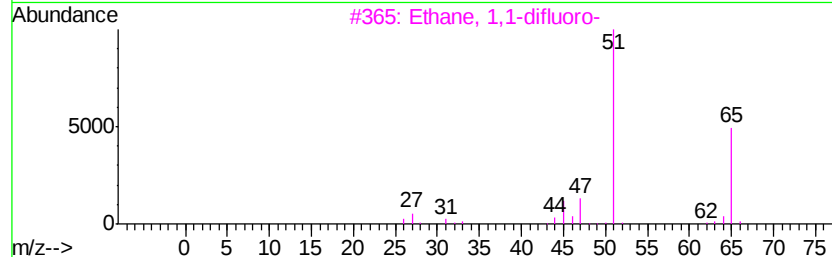
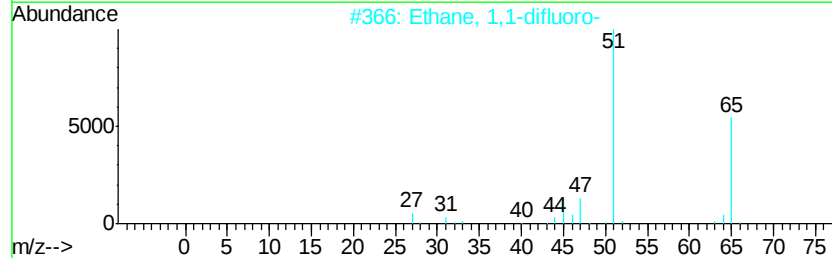
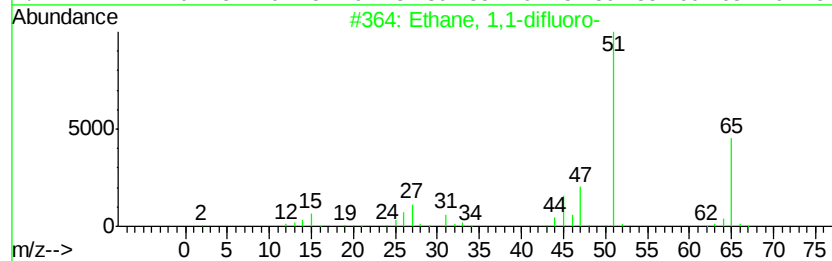
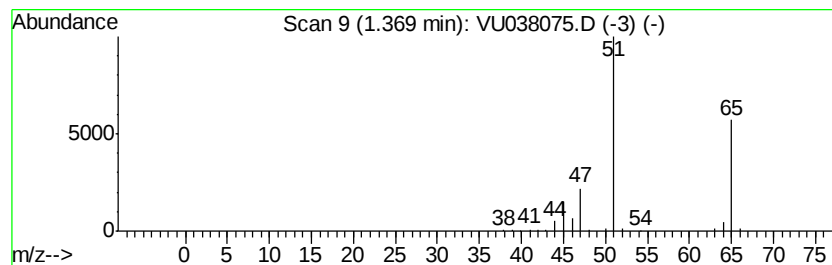
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Quant Title : TRACE VOA SOM01.0

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 | 0.63 ug/L | 108255 | 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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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFSF9

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

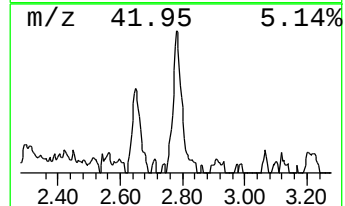
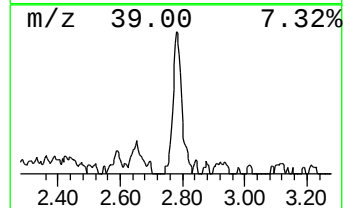
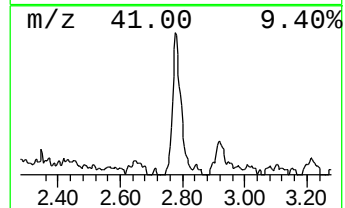
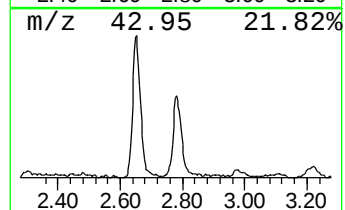
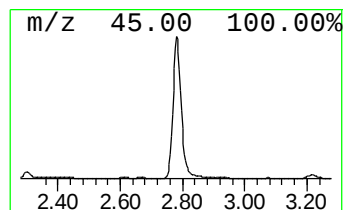
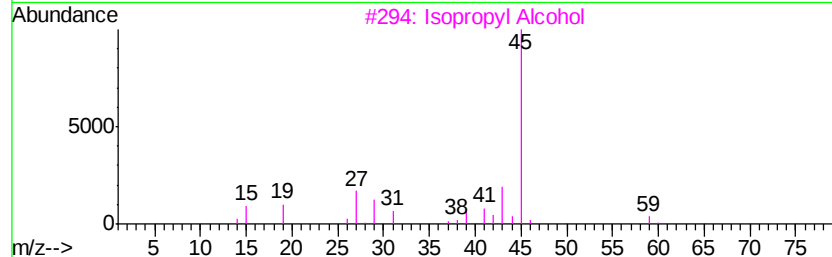
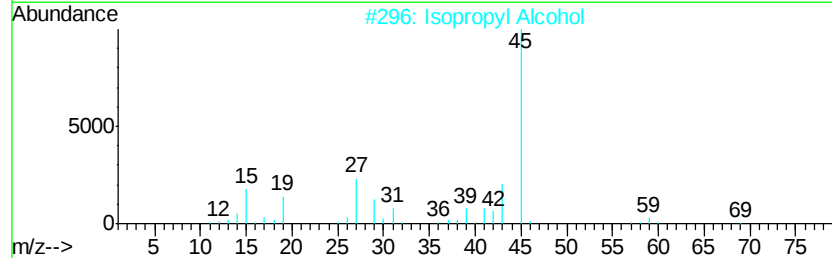
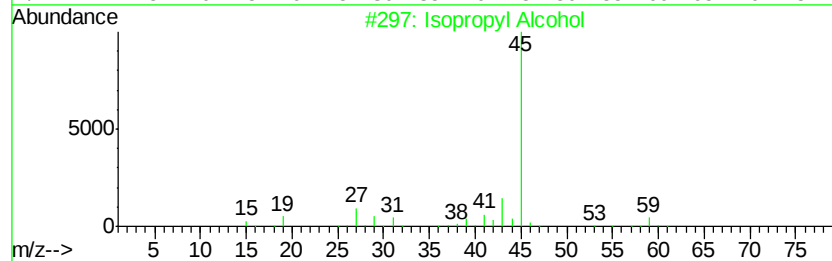
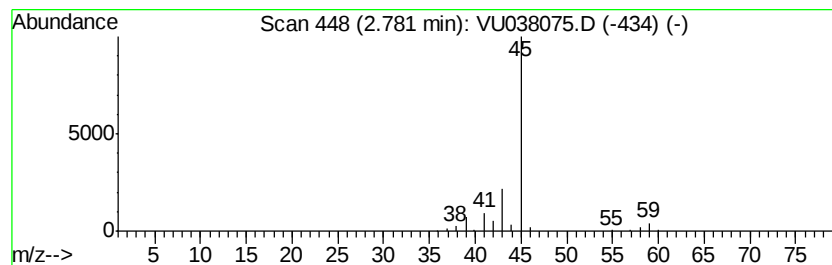
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Isopropyl Alcohol Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.78 | 0.61 ug/L | 105662 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 86   |
| 2    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 72   |
| 3    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 72   |
| 4    |    |   | Hydrazine, ethyl- | 60 | C2H8N2  | 000624-80-6 | 40   |
| 5    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 9    |



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Sample : L2526-02  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFSF9

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

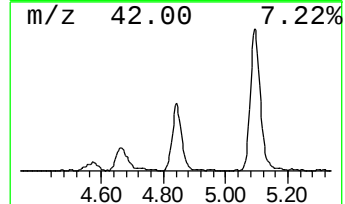
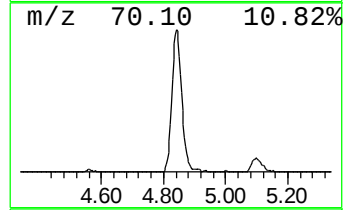
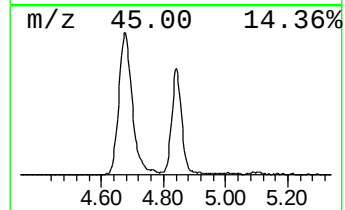
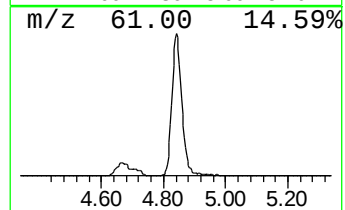
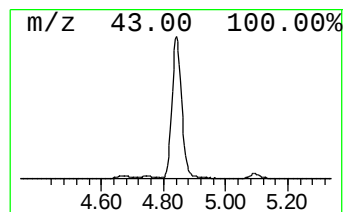
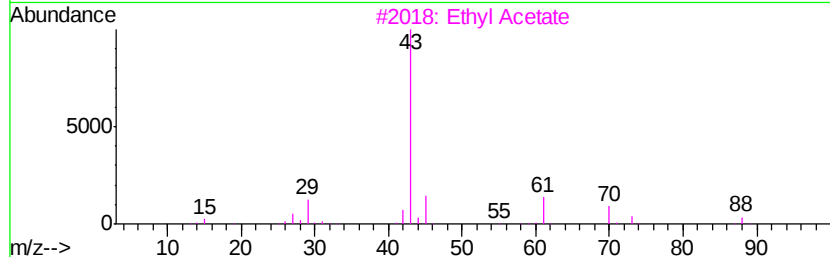
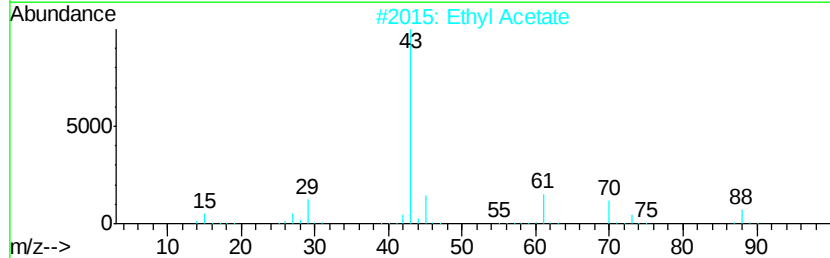
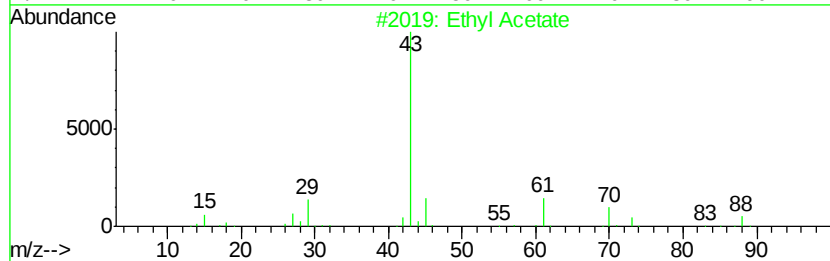
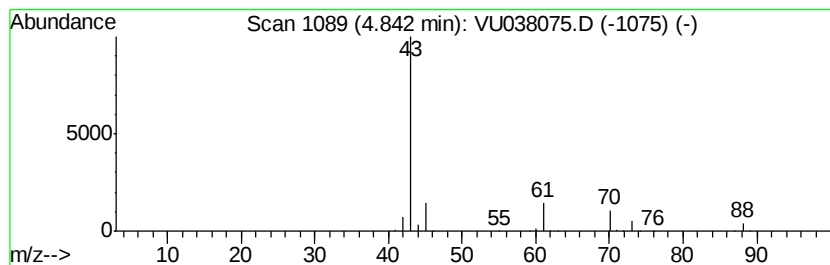
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.84 | 2.44 ug/L | 419896 | 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 | 90   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 38   |



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
BFSF9

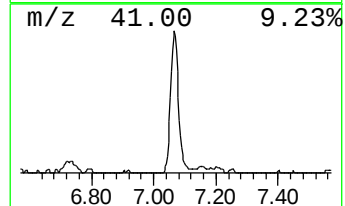
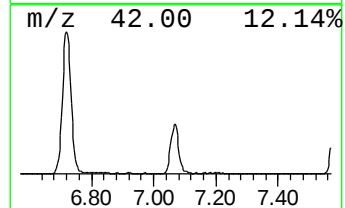
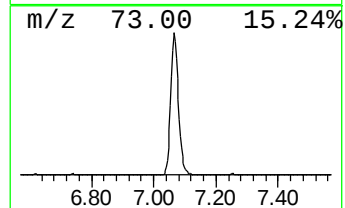
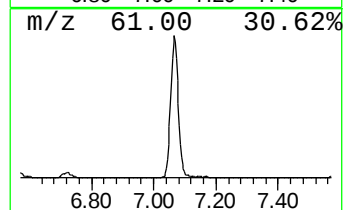
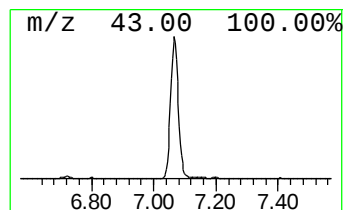
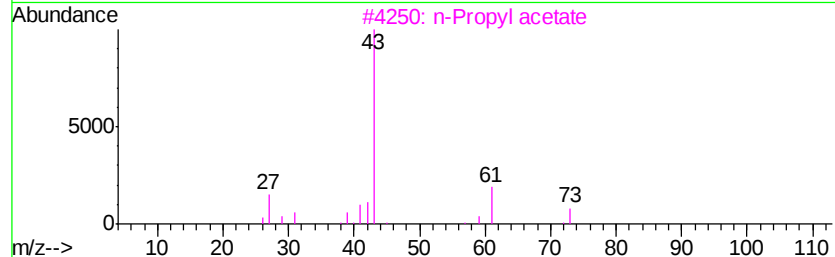
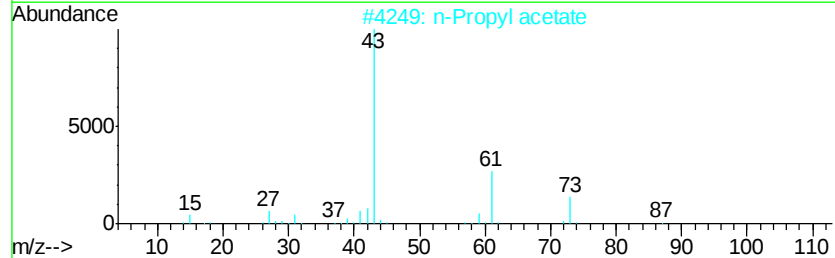
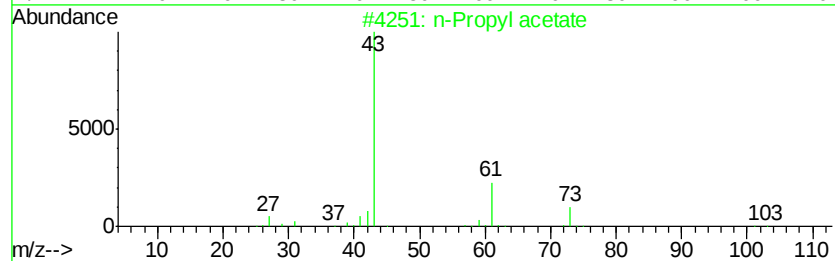
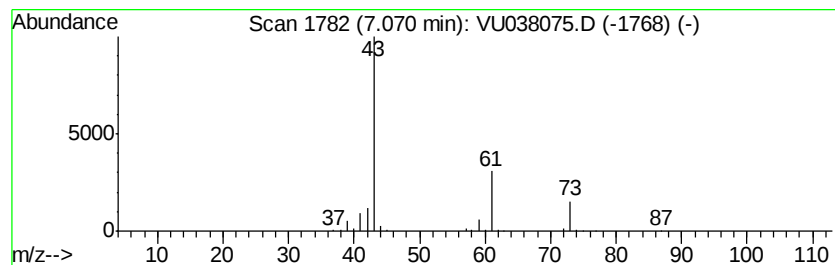
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Peak Number 4 n-Propyl acetate Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 7.07 | 1.40 ug/L | 241234 | 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 | 38   |
| 5    |    | Isobutylamine     | 73  | C4H11N  | 000078-81-9 | 9    |



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

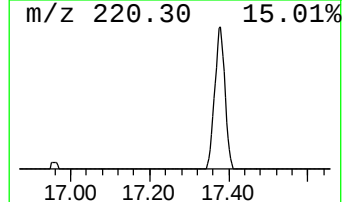
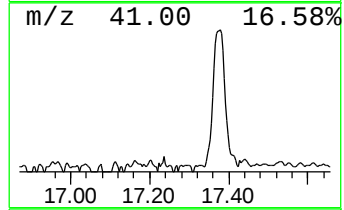
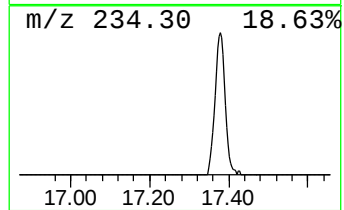
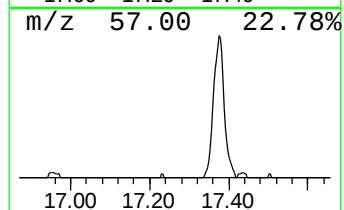
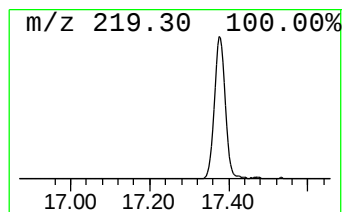
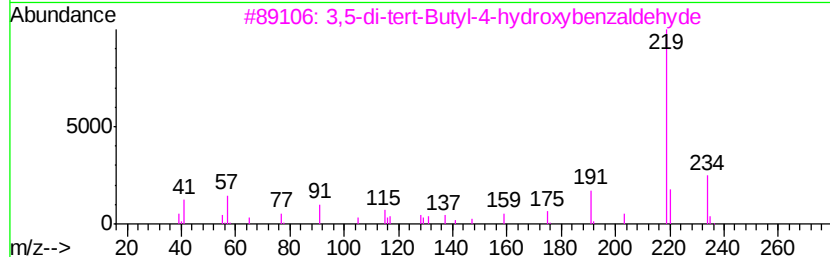
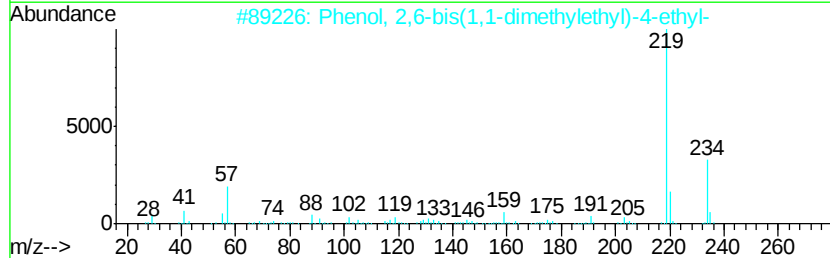
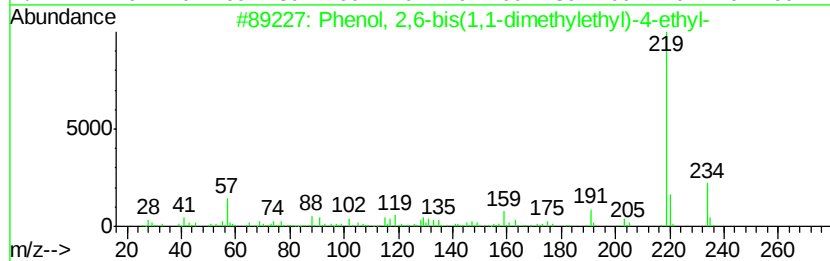
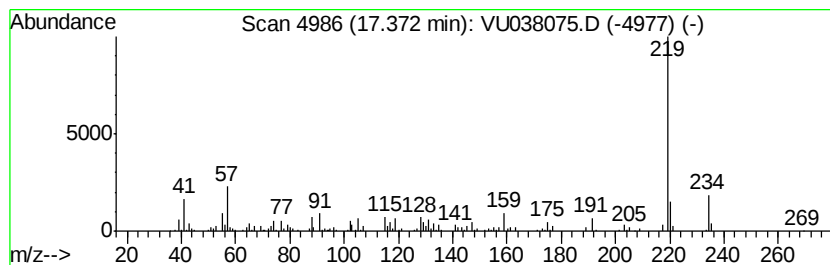
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 17.37 | 0.72 ug/L | 153274 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O  | 004130-42-1 | 96   |
| 2    |    | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O  | 004130-42-1 | 95   |
| 3    |    | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0 | 94   |
| 4    |    | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0 | 93   |
| 5    |    | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0 | 87   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050720\  
Data File : VU038075.D  
Acq On : 08 May 2020 06:08  
Operator : JC/MD  
Sample : L2526-02  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFSF9

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  | 0.6     | ug/L  | 108255   | 1                     | 6.28  | 861652  | 5.0  |
| Isopropyl Alcohol    | 2.78  | 0.6     | ug/L  | 105662   | 1                     | 6.28  | 861652  | 5.0  |
| Ethyl Acetate        | 4.84  | 2.4     | ug/L  | 419896   | 1                     | 6.28  | 861652  | 5.0  |
| n-Propyl acetate     | 7.07  | 1.4     | ug/L  | 241234   | 1                     | 6.28  | 861652  | 5.0  |
| Phenol, 2,6-bis(1... | 17.37 | 0.7     | ug/L  | 153274   | 3                     | 11.83 | 1062740 | 5.0  |