

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
 Data File : VU038064.D  
 Acq On : 08 May 2020 01:52  
 Operator : JC/MD  
 Sample : L2528-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFS1

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           | 18           | rVB      | 133431         | 132616        | 8.27%           | 0.995%        |
| 2         | 1.610       | 76            | 84          | 93           | rBV      | 220287         | 234776        | 14.65%          | 1.761%        |
| 3         | 1.929       | 174           | 183         | 198          | rVB      | 176761         | 226145        | 14.11%          | 1.696%        |
| 4         | 2.588       | 375           | 388         | 400          | rBV      | 290221         | 479479        | 29.91%          | 3.596%        |
| 5         | 2.652       | 400           | 408         | 422          | rVB      | 35289          | 60592         | 3.78%           | 0.454%        |
| 6         | 2.781       | 435           | 448         | 474          | rBV      | 80765          | 150443        | 9.38%           | 1.128%        |
| 7         | 3.215       | 566           | 583         | 602          | rVB2     | 23071          | 53756         | 3.35%           | 0.403%        |
| 8         | 3.395       | 625           | 639         | 653          | rBV5     | 7296           | 17716         | 1.11%           | 0.133%        |
| 9         | 3.729       | 729           | 743         | 761          | rBV3     | 7877           | 17787         | 1.11%           | 0.133%        |
| 10        | 4.665       | 1016          | 1034        | 1069         | rBV3     | 311590         | 846739        | 52.82%          | 6.350%        |
| 11        | 4.842       | 1075          | 1089        | 1116         | rVB      | 137101         | 296028        | 18.47%          | 2.220%        |
| 12        | 5.099       | 1153          | 1169        | 1191         | rBV2     | 283428         | 670924        | 41.85%          | 5.032%        |
| 13        | 5.758       | 1352          | 1374        | 1399         | rBV2     | 534312         | 1370159       | 85.47%          | 10.276%       |
| 14        | 6.279       | 1521          | 1536        | 1571         | rBV      | 475479         | 901118        | 56.21%          | 6.758%        |
| 15        | 6.568       | 1607          | 1626        | 1639         | rBV4     | 34335          | 70780         | 4.42%           | 0.531%        |
| 16        | 6.720       | 1656          | 1673        | 1692         | rBV      | 332051         | 650153        | 40.56%          | 4.876%        |
| 17        | 7.067       | 1767          | 1781        | 1797         | rBV      | 99672          | 174821        | 10.91%          | 1.311%        |
| 18        | 7.588       | 1930          | 1943        | 1958         | rBV      | 165219         | 291573        | 18.19%          | 2.187%        |
| 19        | 7.922       | 2029          | 2047        | 2077         | rBV      | 650292         | 1180108       | 73.62%          | 8.851%        |
| 20        | 8.202       | 2122          | 2134        | 2147         | rBV      | 104426         | 174764        | 10.90%          | 1.311%        |
| 21        | 8.572       | 2239          | 2249        | 2261         | rBV4     | 10651          | 16940         | 1.06%           | 0.127%        |
| 22        | 8.655       | 2261          | 2275        | 2310         | rBV      | 813321         | 1603046       | 100.00%         | 12.023%       |
| 23        | 9.436       | 2504          | 2518        | 2536         | rBV      | 670673         | 1141980       | 71.24%          | 8.565%        |
| 24        | 10.771      | 2920          | 2933        | 2950         | rBV      | 235719         | 378348        | 23.60%          | 2.838%        |
| 25        | 11.822      | 3245          | 3260        | 3276         | rBV      | 696719         | 1103233       | 68.82%          | 8.274%        |
| 26        | 12.083      | 3331          | 3341        | 3353         | rBV4     | 8930           | 18274         | 1.14%           | 0.137%        |
| 27        | 12.205      | 3365          | 3379        | 3394         | rBV      | 610992         | 992877        | 61.94%          | 7.447%        |
| 28        | 17.375      | 4978          | 4987        | 5000         | rBV2     | 43946          | 78261         | 4.88%           | 0.587%        |

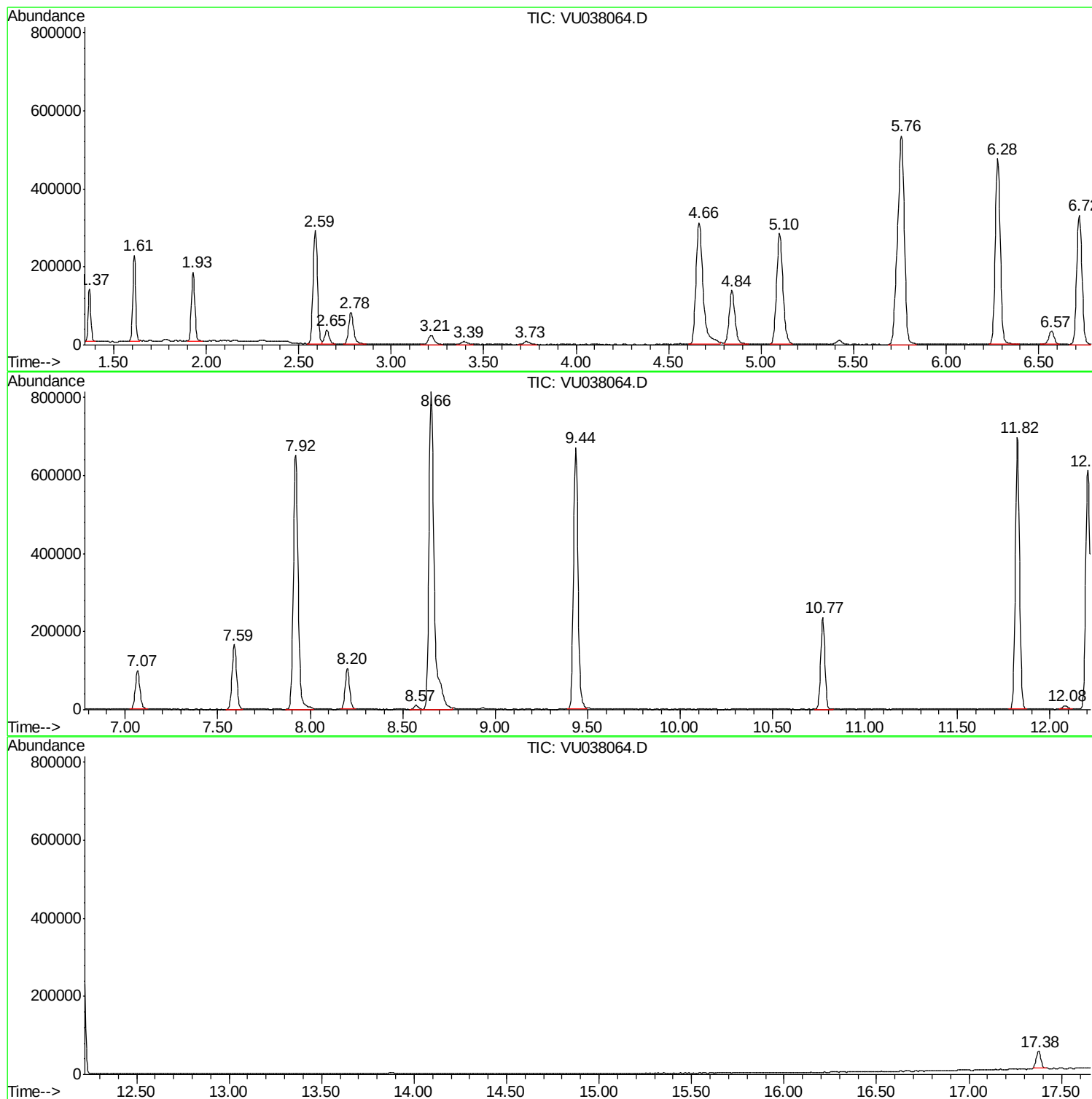
Sum of corrected areas: 13333436

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
Data File : VU038064.D  
Acq On : 08 May 2020 01:52  
Operator : JC/MD  
Sample : L2528-04  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFS1

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
Data File : VU038064.D  
Acq On : 08 May 2020 01:52  
Operator : JC/MD  
Sample : L2528-04  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFS11

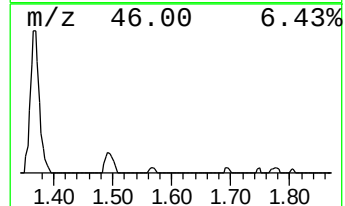
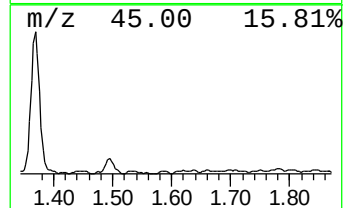
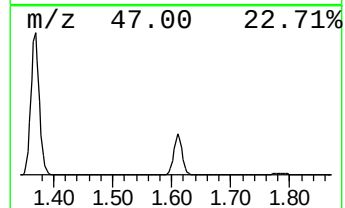
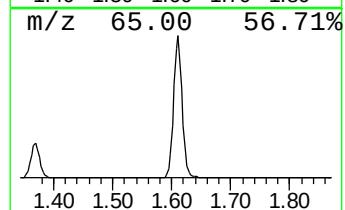
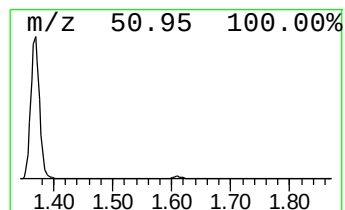
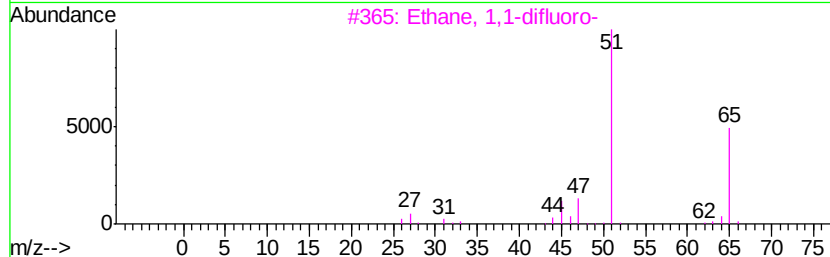
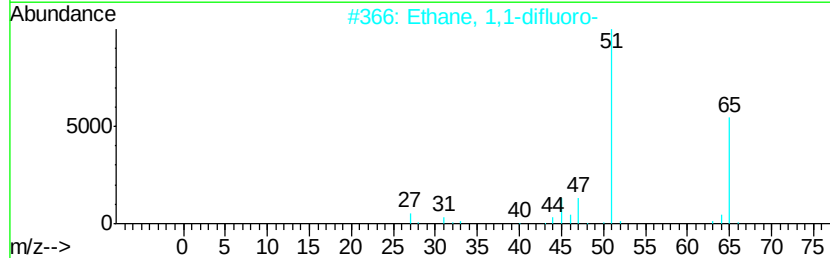
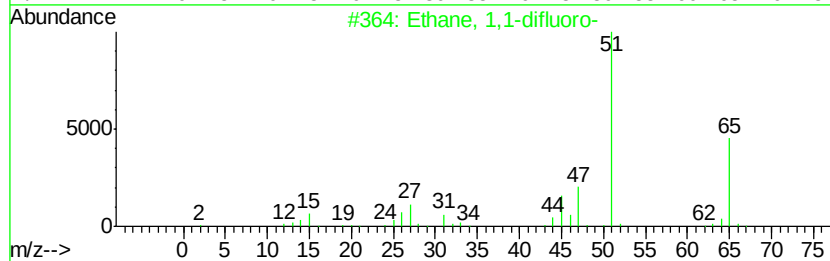
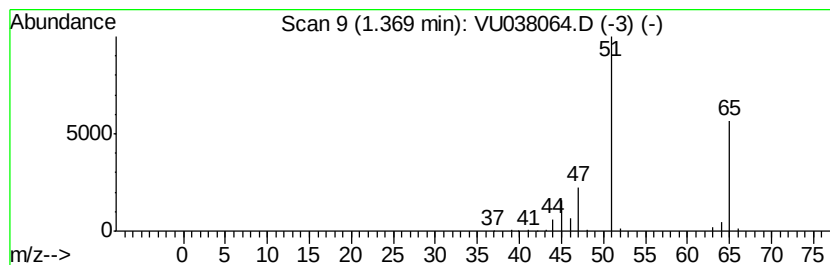
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.37 | 0.74 ug/L | 132616 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | 5 | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|---|------------------------|----|---------|-------------|------|
| 1    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 91   |
| 2    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 90   |
| 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    |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
Data File : VU038064.D  
Acq On : 08 May 2020 01:52  
Operator : JC/MD  
Sample : L2528-04  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFS11

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

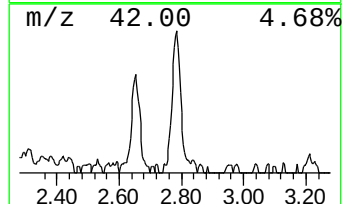
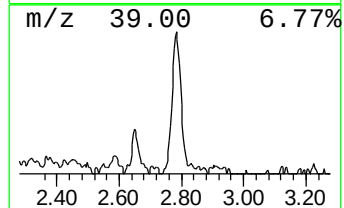
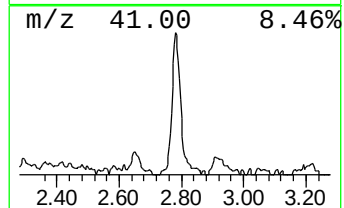
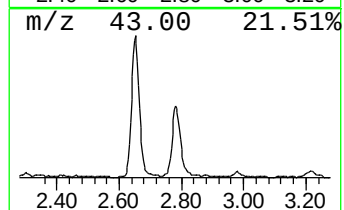
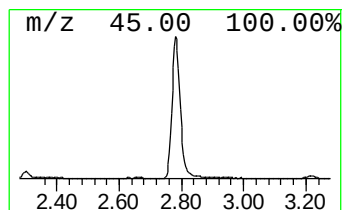
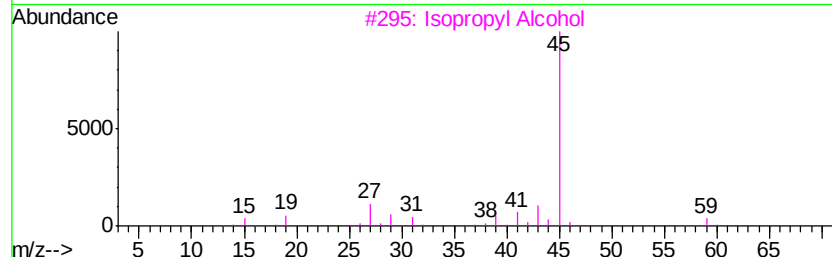
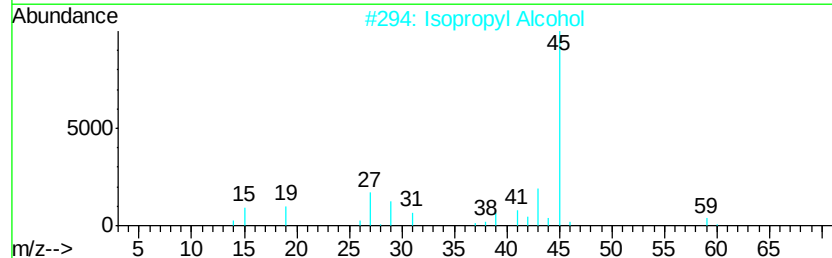
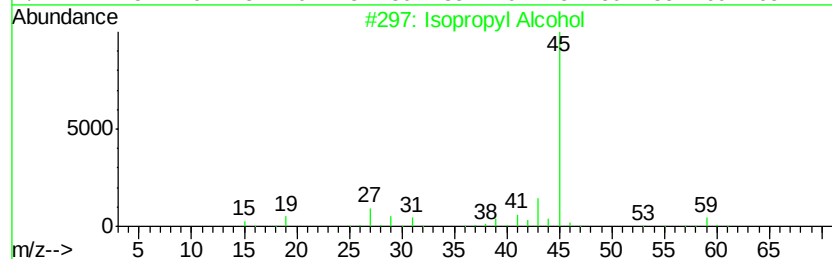
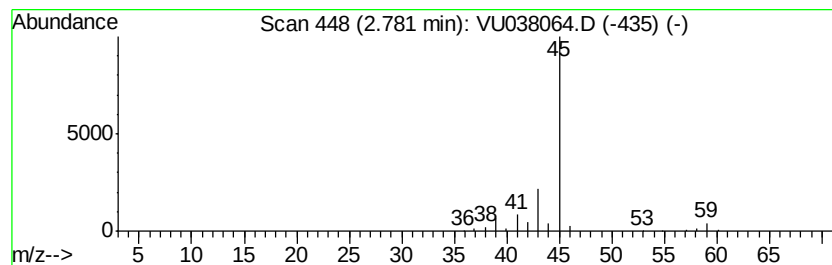
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Isopropyl Alcohol Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.78 | 0.83 ug/L | 150443 | 1,4-Difluorobenzene | 6.28 |

| Hit# of | 5                        | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|----|---------|-------------|------|
| 1       | Isopropyl Alcohol        |              | 60 | C3H8O   | 000067-63-0 | 90   |
| 2       | Isopropyl Alcohol        |              | 60 | C3H8O   | 000067-63-0 | 83   |
| 3       | Isopropyl Alcohol        |              | 60 | C3H8O   | 000067-63-0 | 78   |
| 4       | Isopropyl Alcohol        |              | 60 | C3H8O   | 000067-63-0 | 64   |
| 5       | Hydrazine, 1,2-dimethyl- |              | 60 | C2H8N2  | 000540-73-8 | 9    |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
Data File : VU038064.D  
Acq On : 08 May 2020 01:52  
Operator : JC/MD  
Sample : L2528-04  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFS11

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

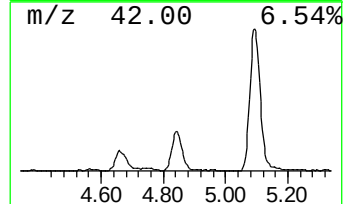
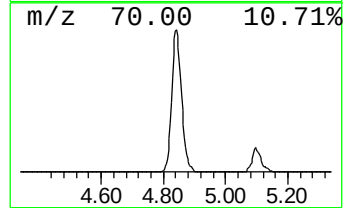
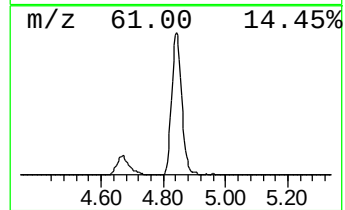
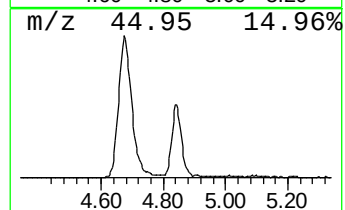
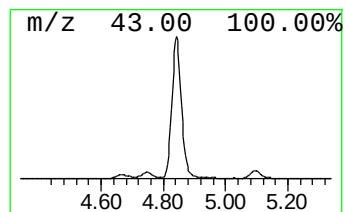
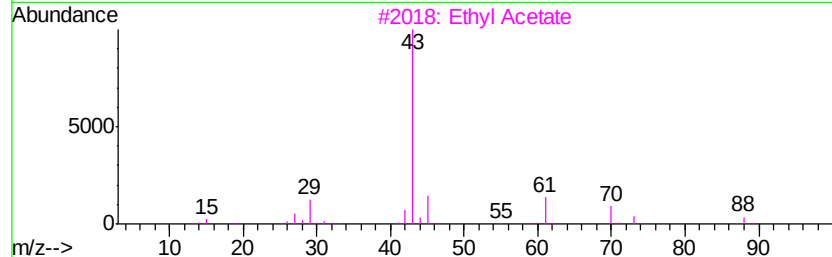
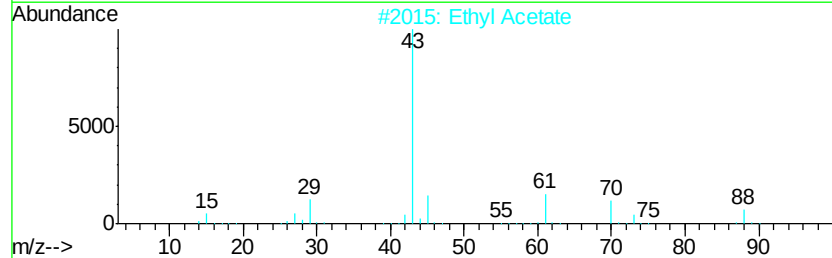
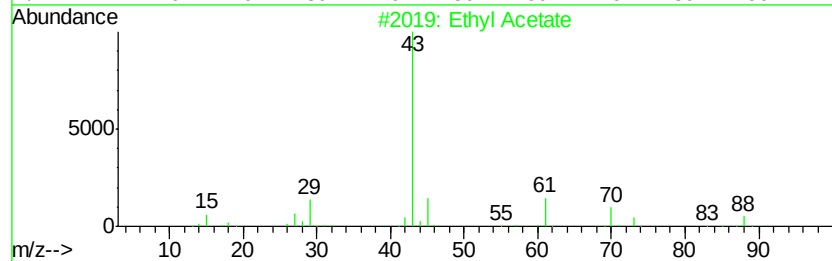
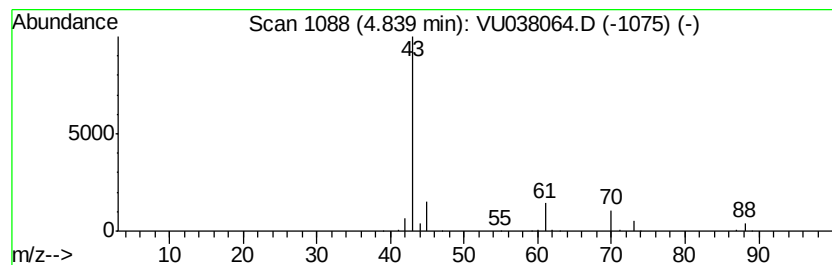
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.84 | 1.64 ug/L | 296028 | 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 | 86   |
| 3    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 4    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 72   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 33   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
Data File : VU038064.D  
Acq On : 08 May 2020 01:52  
Operator : JC/MD  
Sample : L2528-04  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFSL1

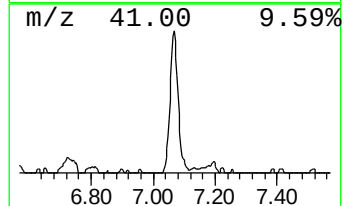
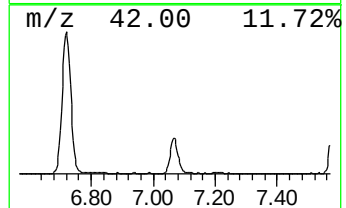
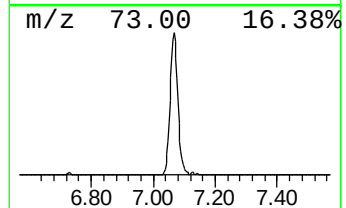
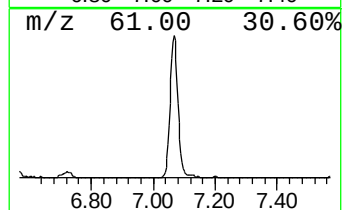
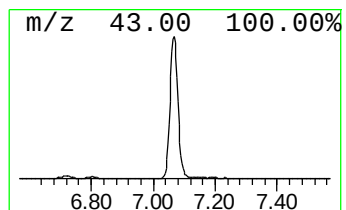
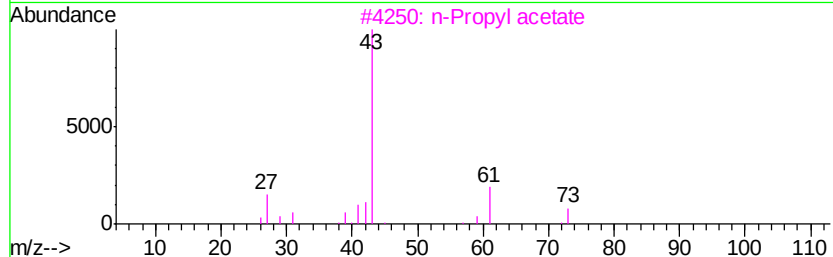
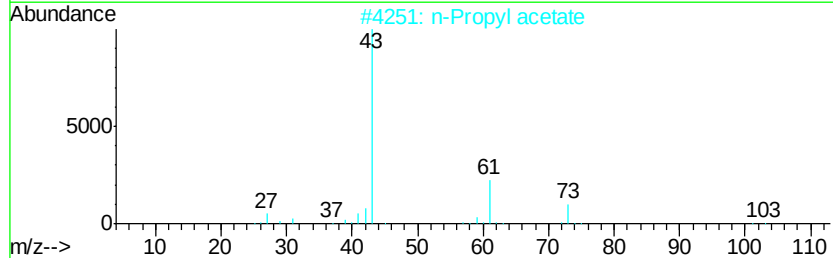
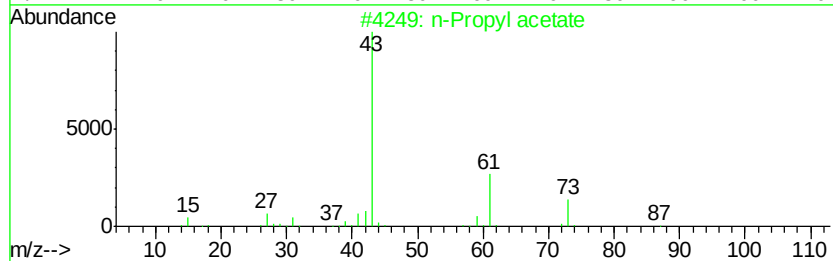
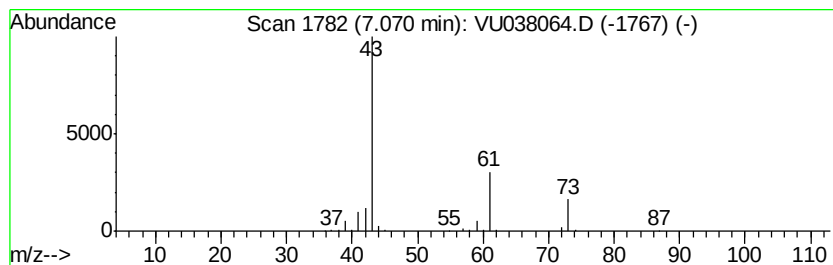
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 4 n-Propyl acetate Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 7.07 | 0.97 ug/L | 174821 | 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    |    | Isobutylamine     | 73  | C4H11N  | 000078-81-9 | 9    |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050720\  
Data File : VU038064.D  
Acq On : 08 May 2020 01:52  
Operator : JC/MD  
Sample : L2528-04  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFSL1

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  | 132616   | 1                     | 6.28 | 901118 | 5.0  |
| Isopropyl Alcohol    | 2.78 | 0.8     | ug/L  | 150443   | 1                     | 6.28 | 901118 | 5.0  |
| Ethyl Acetate        | 4.84 | 1.6     | ug/L  | 296028   | 1                     | 6.28 | 901118 | 5.0  |
| n-Propyl acetate     | 7.07 | 1.0     | ug/L  | 174821   | 1                     | 6.28 | 901118 | 5.0  |