

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\  
 Data File : VU038069.D  
 Acq On : 08 May 2020 03:48  
 Operator : JC/MD  
 Sample : L2528-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFS6

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           | rBV      | 97399          | 99559         | 6.27%           | 0.773%        |
| 2         | 1.610       | 76            | 84          | 99           | rBV      | 210447         | 227170        | 14.31%          | 1.763%        |
| 3         | 1.929       | 174           | 183         | 196          | rVB      | 168926         | 215249        | 13.56%          | 1.671%        |
| 4         | 2.591       | 373           | 389         | 400          | rBV      | 282144         | 461889        | 29.09%          | 3.585%        |
| 5         | 2.652       | 401           | 408         | 421          | rVB      | 20630          | 34126         | 2.15%           | 0.265%        |
| 6         | 2.781       | 437           | 448         | 464          | rBV      | 48855          | 91767         | 5.78%           | 0.712%        |
| 7         | 3.218       | 567           | 584         | 599          | rBV      | 21751          | 50008         | 3.15%           | 0.388%        |
| 8         | 4.665       | 1016          | 1034        | 1075         | rBV3     | 314046         | 840279        | 52.92%          | 6.522%        |
| 9         | 4.842       | 1076          | 1089        | 1117         | rVB2     | 159078         | 346105        | 21.80%          | 2.686%        |
| 10        | 5.099       | 1153          | 1169        | 1193         | rBV3     | 284146         | 685116        | 43.14%          | 5.318%        |
| 11        | 5.421       | 1258          | 1269        | 1284         | rVB5     | 8611           | 20635         | 1.30%           | 0.160%        |
| 12        | 5.758       | 1352          | 1374        | 1400         | rBV2     | 525316         | 1347942       | 84.89%          | 10.463%       |
| 13        | 6.279       | 1521          | 1536        | 1567         | rBV      | 459028         | 874253        | 55.06%          | 6.786%        |
| 14        | 6.562       | 1613          | 1624        | 1634         | rBV      | 7928           | 17357         | 1.09%           | 0.135%        |
| 15        | 6.720       | 1659          | 1673        | 1696         | rBV      | 328394         | 629619        | 39.65%          | 4.887%        |
| 16        | 7.067       | 1767          | 1781        | 1801         | rBV      | 100209         | 174690        | 11.00%          | 1.356%        |
| 17        | 7.591       | 1931          | 1944        | 1964         | rBV      | 162404         | 282722        | 17.80%          | 2.194%        |
| 18        | 7.922       | 2032          | 2047        | 2078         | rBV      | 635193         | 1149546       | 72.39%          | 8.923%        |
| 19        | 8.202       | 2121          | 2134        | 2149         | rBV      | 99872          | 166219        | 10.47%          | 1.290%        |
| 20        | 8.655       | 2259          | 2275        | 2309         | rBV      | 815755         | 1587943       | 100.00%         | 12.325%       |
| 21        | 9.436       | 2504          | 2518        | 2551         | rBV      | 640364         | 1112167       | 70.04%          | 8.632%        |
| 22        | 10.771      | 2921          | 2933        | 2949         | rBV      | 232776         | 373097        | 23.50%          | 2.896%        |
| 23        | 11.822      | 3247          | 3260        | 3278         | rBV      | 678909         | 1067699       | 67.24%          | 8.287%        |
| 24        | 12.205      | 3364          | 3379        | 3395         | rBV      | 596740         | 972618        | 61.25%          | 7.549%        |
| 25        | 17.378      | 4978          | 4988        | 4999         | rBV3     | 30254          | 55717         | 3.51%           | 0.432%        |

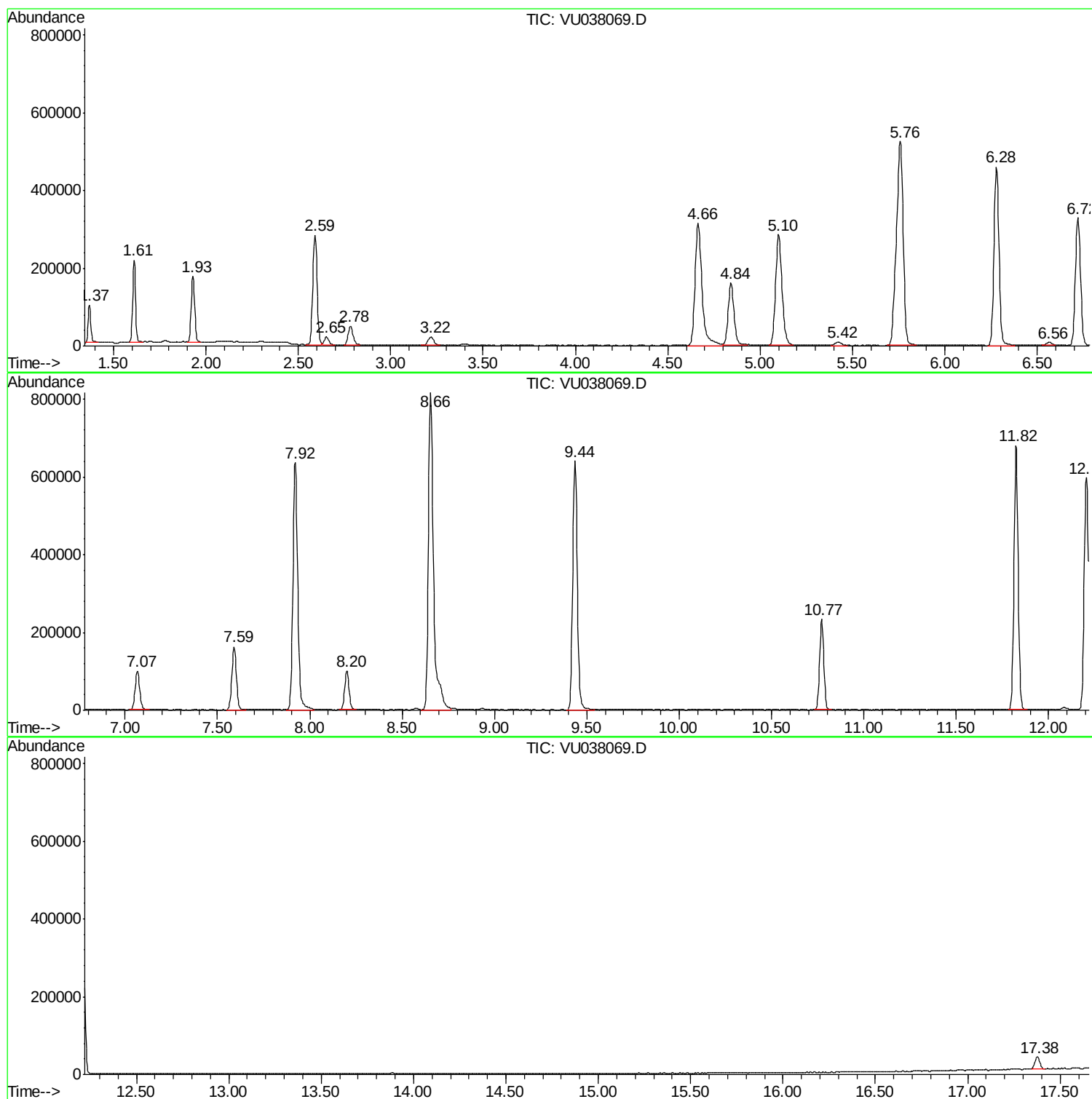
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFSL6

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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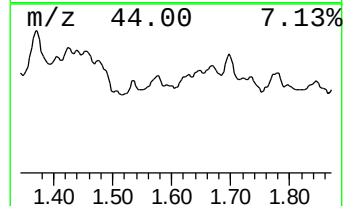
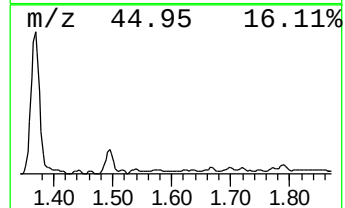
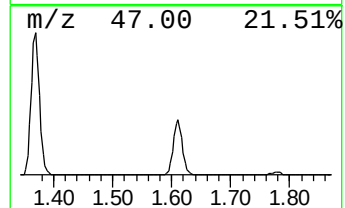
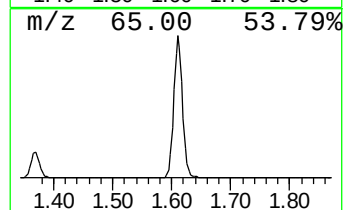
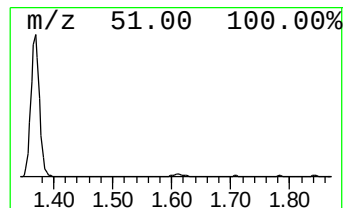
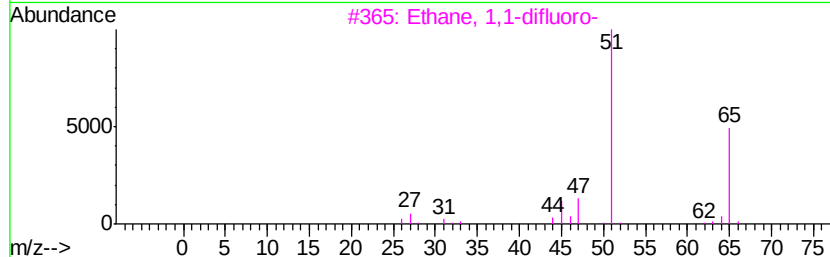
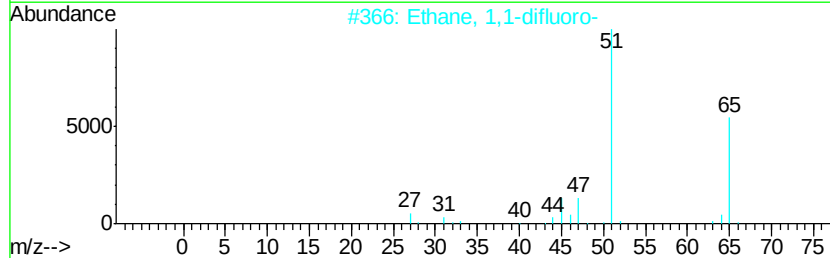
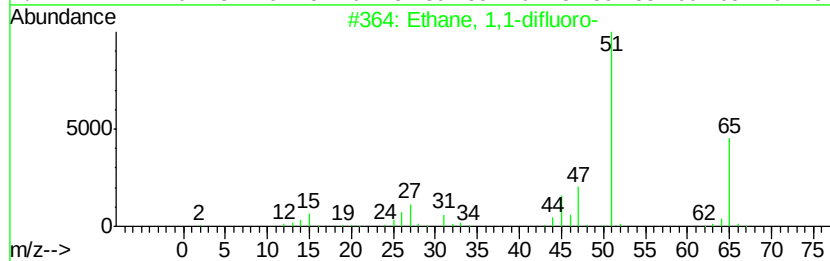
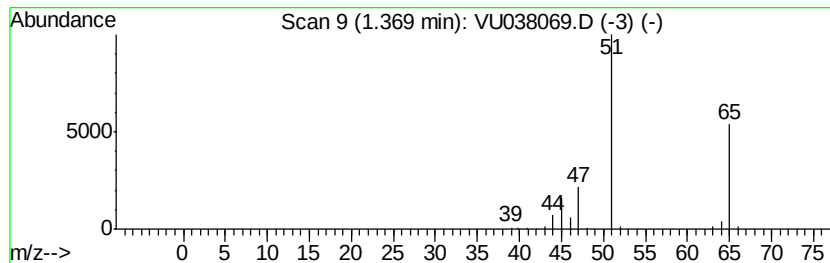
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.37 | 0.57 ug/L | 99559 | 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    |



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

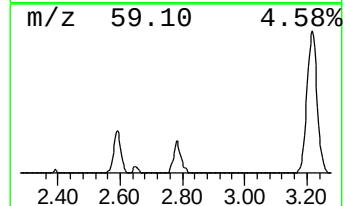
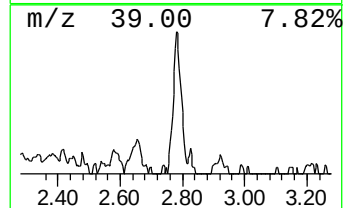
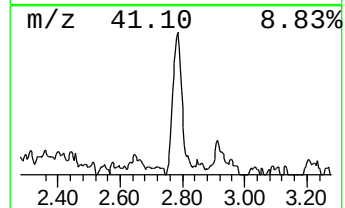
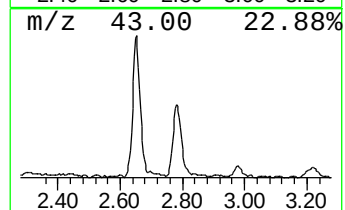
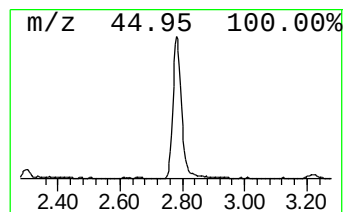
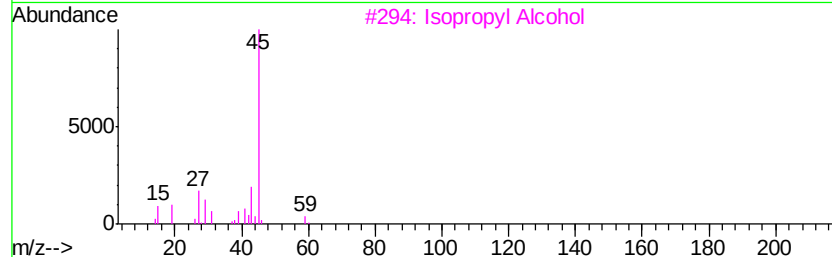
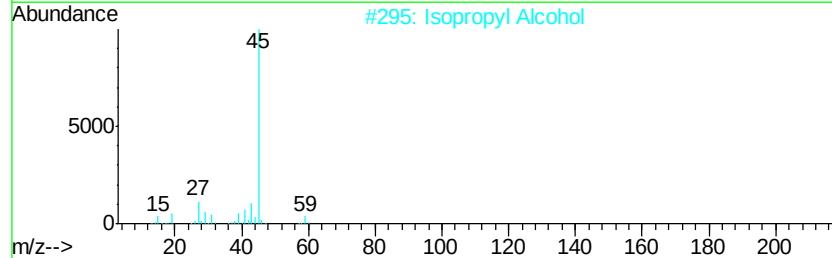
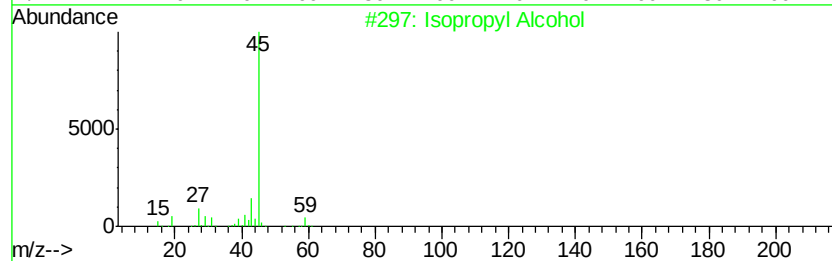
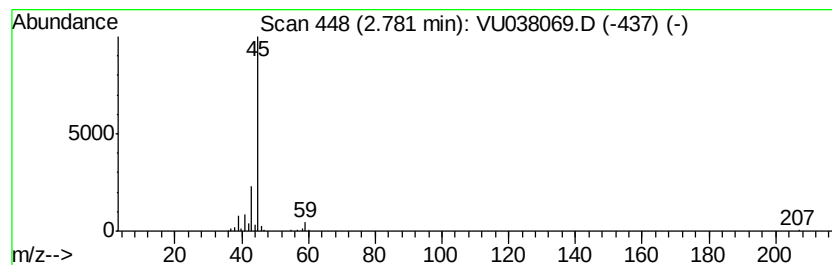
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Isopropyl Alcohol Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.78 | 0.52 ug/L | 91767 | 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 | 78   |
| 3    |    | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 78   |
| 4    |    | Propane, 2-ethoxy- | 88 | C5H12O  | 000625-54-7 | 64   |
| 5    |    | Propane, 2-ethoxy- | 88 | C5H12O  | 000625-54-7 | 64   |



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

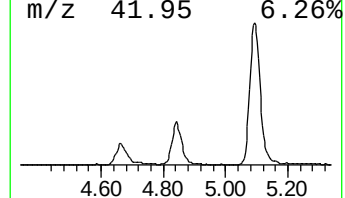
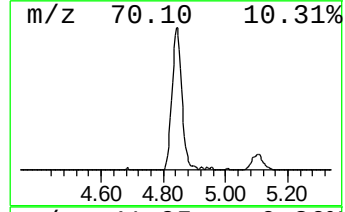
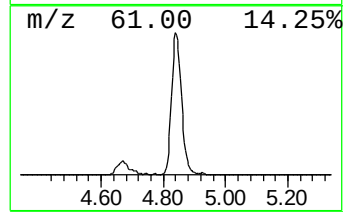
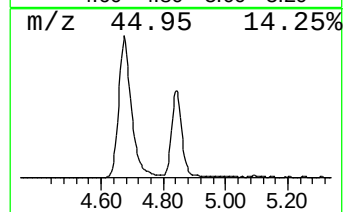
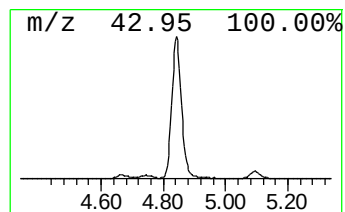
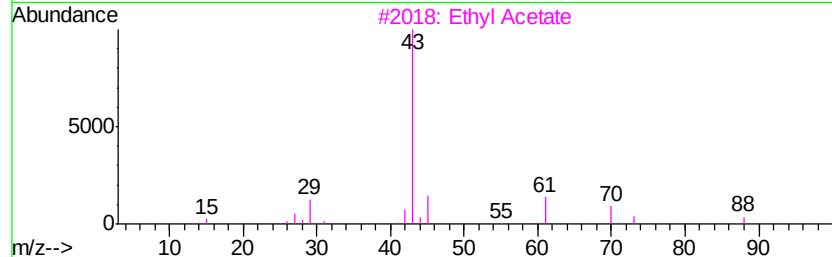
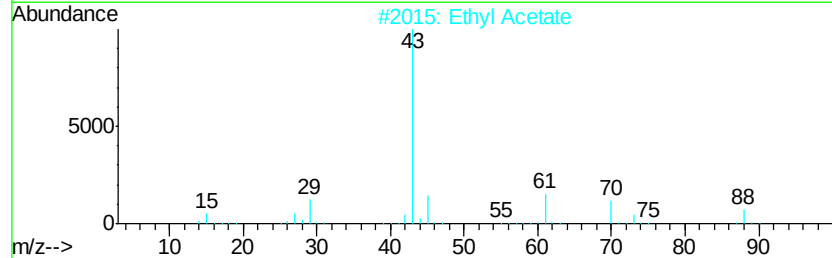
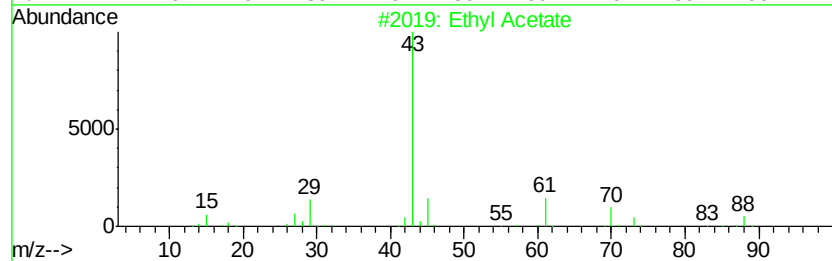
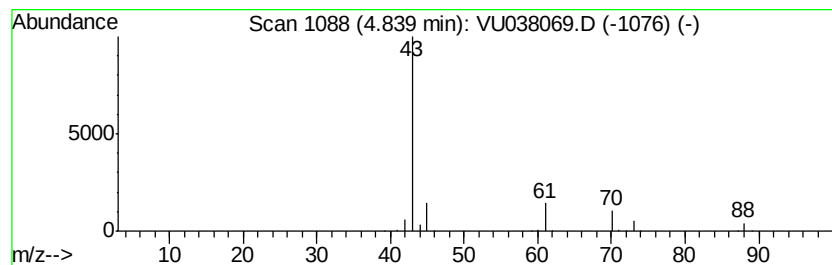
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.84 | 1.98 ug/L | 346105 | 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 | 86   |
| 4    |    | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 59   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 40   |



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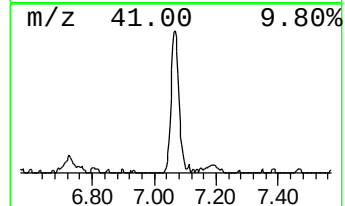
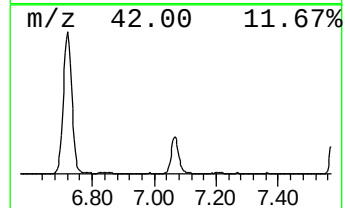
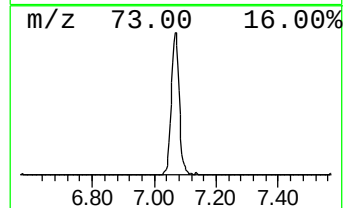
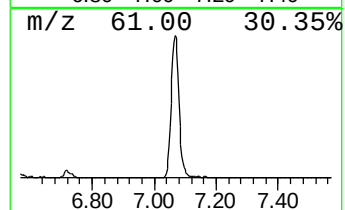
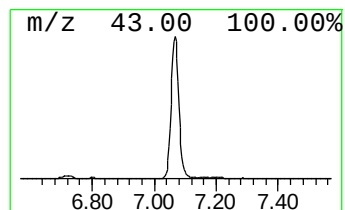
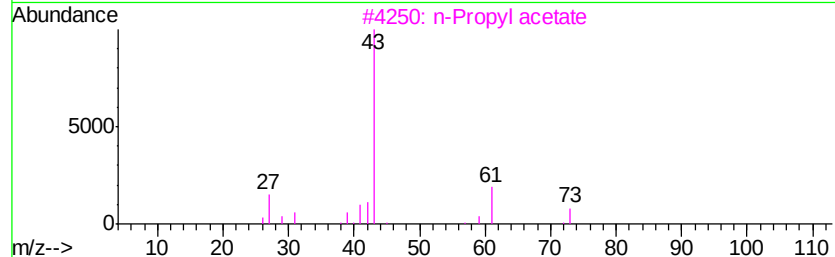
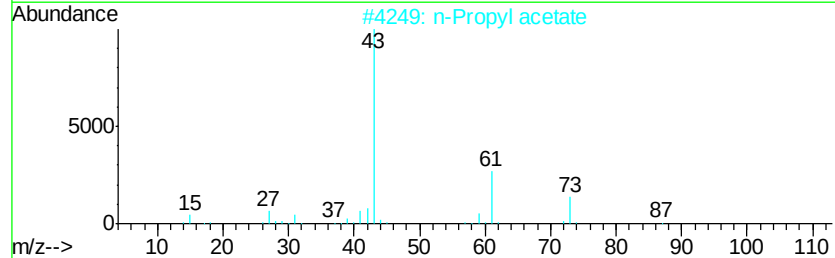
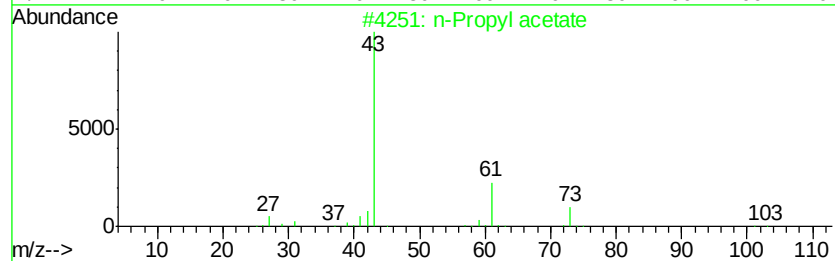
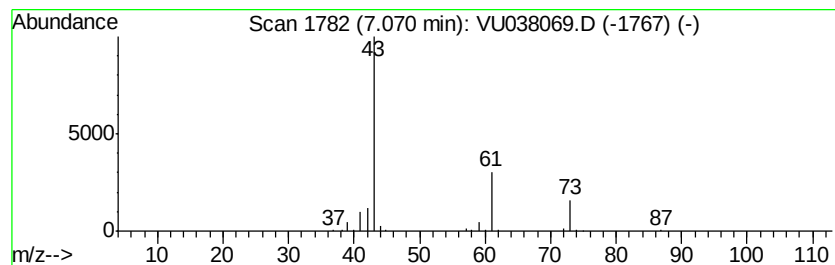
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 4 n-Propyl acetate Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 7.07 | 1.00 ug/L | 174690 | 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 | 78   |
| 3    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 64   |
| 4    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 9    |
| 5    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 9    |



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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  | 99559    | 1                     | 6.28 | 874253 | 5.0  |
| Isopropyl Alcohol    | 2.78 | 0.5     | ug/L  | 91767    | 1                     | 6.28 | 874253 | 5.0  |
| Ethyl Acetate        | 4.84 | 2.0     | ug/L  | 346105   | 1                     | 6.28 | 874253 | 5.0  |
| n-Propyl acetate     | 7.07 | 1.0     | ug/L  | 174690   | 1                     | 6.28 | 874253 | 5.0  |