

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\  
 Data File : VV016346.D  
 Acq On : 30 May 2020 06:02  
 Operator : SY/MD  
 Sample : L2788-02  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXC1

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\_V\METHOD\SOMVTR052620WMA.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         | 1.113       | 3             | 7           | 20           | rVB      | 85534          | 78699         | 31.17%          | 2.782%        |
| 2         | 1.315       | 62            | 70          | 78           | rVB      | 37168          | 37515         | 14.86%          | 1.326%        |
| 3         | 1.579       | 143           | 152         | 164          | rBV      | 27491          | 33899         | 13.43%          | 1.198%        |
| 4         | 2.123       | 310           | 321         | 332          | rBV      | 62153          | 94551         | 37.45%          | 3.343%        |
| 5         | 2.775       | 515           | 524         | 539          | rVB4     | 5983           | 13486         | 5.34%           | 0.477%        |
| 6         | 3.052       | 601           | 610         | 621          | rVB2     | 9626           | 18127         | 7.18%           | 0.641%        |
| 7         | 3.209       | 647           | 659         | 667          | rBV2     | 5565           | 10766         | 4.26%           | 0.381%        |
| 8         | 3.775       | 815           | 835         | 855          | rVB3     | 12728          | 33275         | 13.18%          | 1.176%        |
| 9         | 3.965       | 874           | 894         | 896          | rBV6     | 11991          | 29086         | 11.52%          | 1.028%        |
| 10        | 4.129       | 932           | 945         | 1000         | rVB2     | 59594          | 219813        | 87.05%          | 7.771%        |
| 11        | 4.380       | 1006          | 1023        | 1060         | rBV3     | 45688          | 154505        | 61.19%          | 5.463%        |
| 12        | 4.695       | 1107          | 1121        | 1132         | rVB5     | 3070           | 7575          | 3.00%           | 0.268%        |
| 13        | 5.071       | 1223          | 1238        | 1259         | rBV2     | 108018         | 252501        | 100.00%         | 8.927%        |
| 14        | 5.640       | 1404          | 1415        | 1440         | rBV      | 101133         | 201086        | 79.64%          | 7.109%        |
| 15        | 5.939       | 1497          | 1508        | 1525         | rVB2     | 30187          | 59210         | 23.45%          | 2.093%        |
| 16        | 6.097       | 1544          | 1557        | 1576         | rBV      | 58057          | 118265        | 46.84%          | 4.181%        |
| 17        | 6.499       | 1671          | 1682        | 1717         | rBV      | 99231          | 215804        | 85.47%          | 7.630%        |
| 18        | 7.010       | 1830          | 1841        | 1861         | rBV2     | 24193          | 43818         | 17.35%          | 1.549%        |
| 19        | 7.338       | 1930          | 1943        | 1960         | rBV      | 120924         | 207902        | 82.34%          | 7.350%        |
| 20        | 7.646       | 2030          | 2039        | 2061         | rVB2     | 13701          | 23960         | 9.49%           | 0.847%        |
| 21        | 7.997       | 2137          | 2148        | 2162         | rBV      | 85167          | 140459        | 55.63%          | 4.966%        |
| 22        | 8.122       | 2173          | 2187        | 2215         | rBV      | 106191         | 222649        | 88.18%          | 7.872%        |
| 23        | 8.875       | 2409          | 2421        | 2451         | rBV      | 145606         | 239437        | 94.83%          | 8.465%        |
| 24        | 10.238      | 2831          | 2845        | 2859         | rBV      | 33952          | 53767         | 21.29%          | 1.901%        |
| 25        | 11.273      | 3154          | 3167        | 3184         | rBV      | 116679         | 178612        | 70.74%          | 6.315%        |
| 26        | 11.646      | 3273          | 3283        | 3297         | rBV      | 86096          | 133139        | 52.73%          | 4.707%        |
| 27        | 13.530      | 3860          | 3869        | 3883         | rBV      | 4371           | 6547          | 2.59%           | 0.231%        |

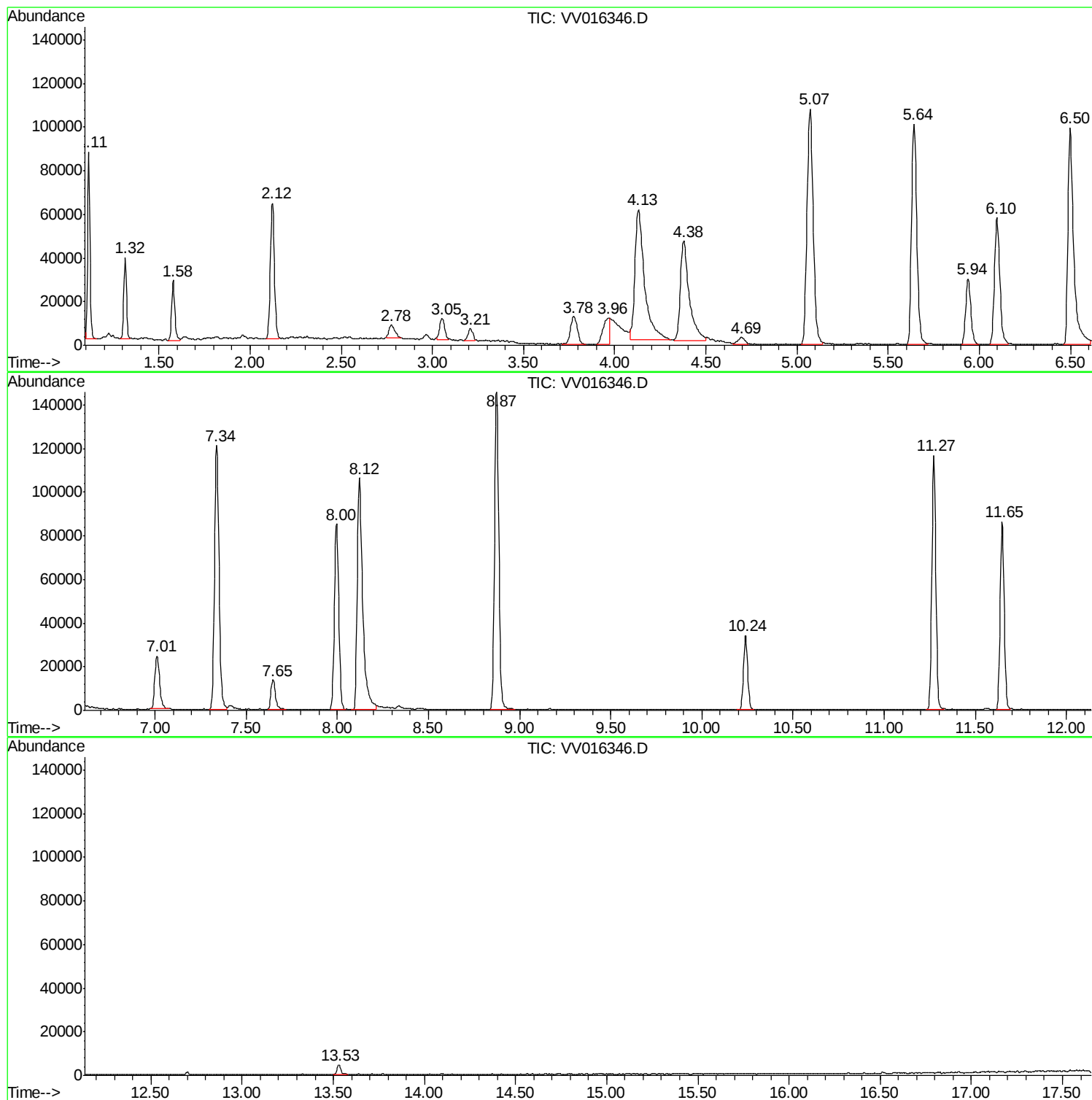
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Instrument :  
MSVOA\_V  
ClientSampled :  
BFXC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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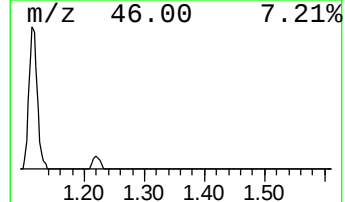
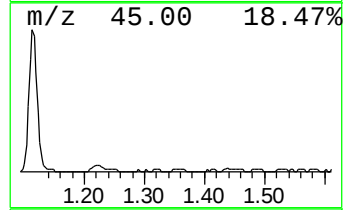
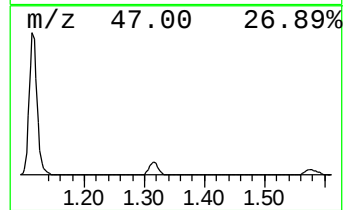
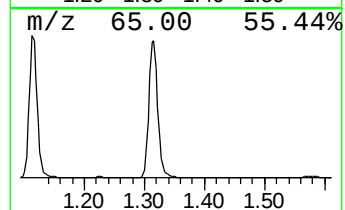
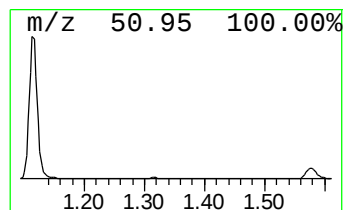
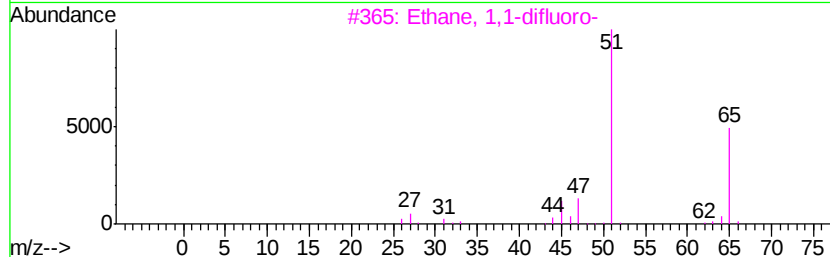
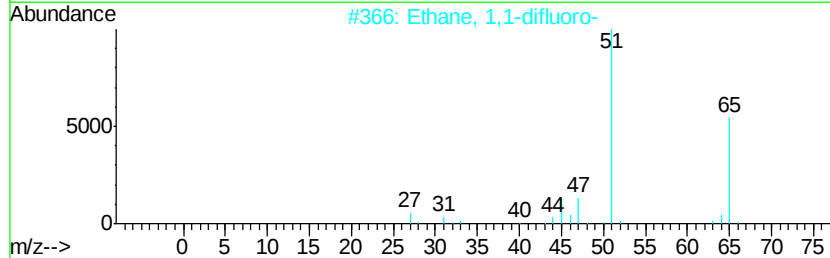
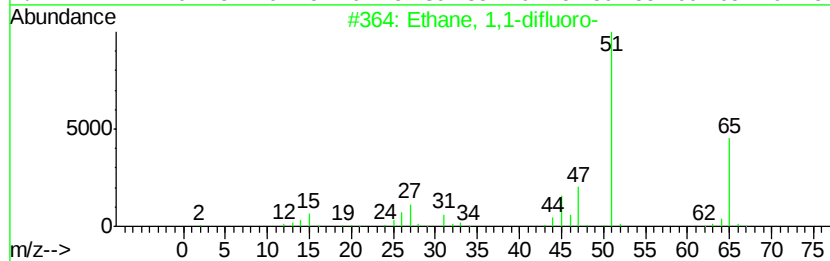
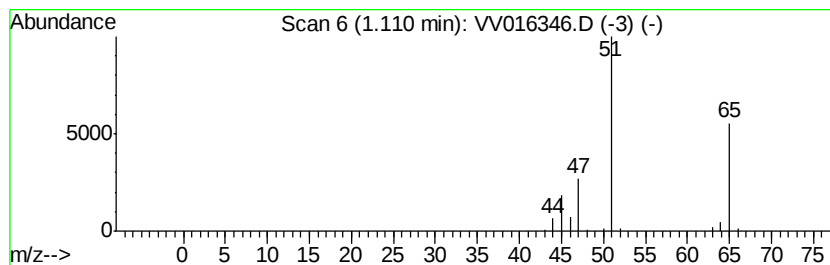
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.11 | 1.96 ug/L | 78699 | 1,4-Difluorobenzene | 5.64 |

| 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 | 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

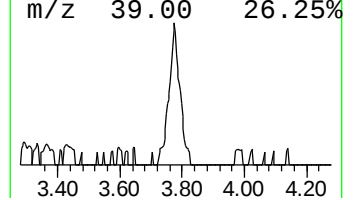
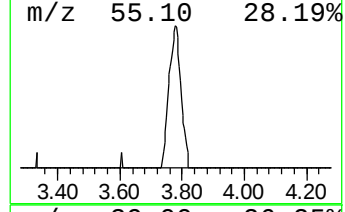
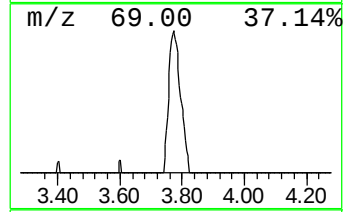
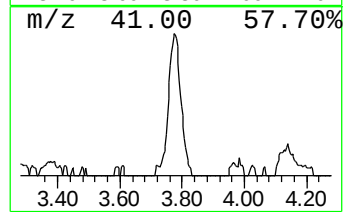
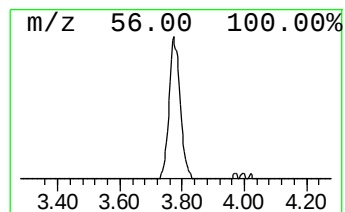
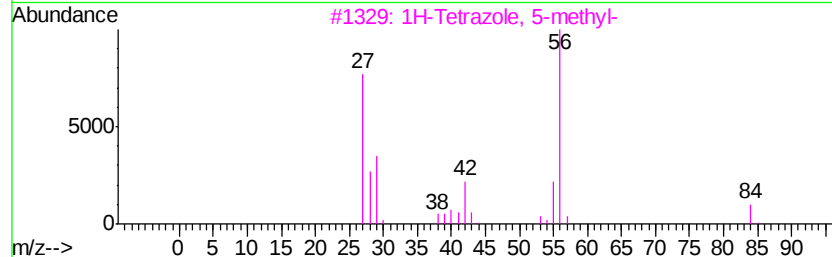
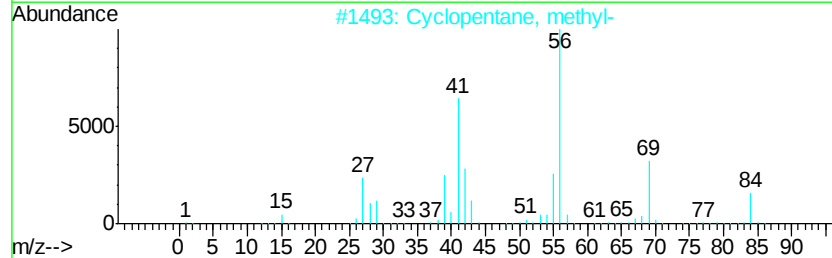
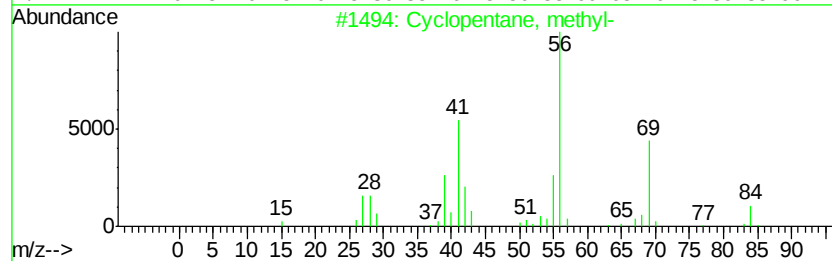
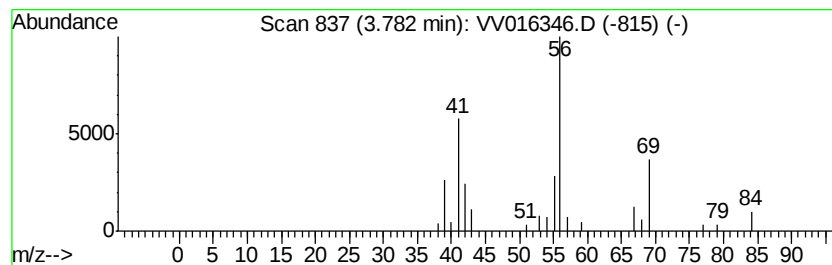
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Cyclic3.78 Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 3.78 | 0.83 ug/L | 33275 | 1,4-Difluorobenzene | 5.64 |

| Hit# of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|---------|---|-------------------------|----|---------|-------------|------|
| 1       |   | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 87   |
| 2       |   | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 86   |
| 3       |   | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 72   |
| 4       |   | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 72   |
| 5       |   | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 59   |



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 MSVOA\_V  
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 BFXC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
 Quant Title : TRACE VOA SOM01.0

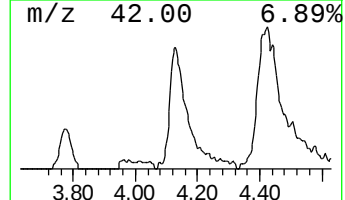
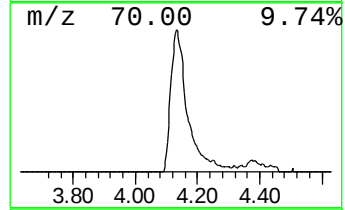
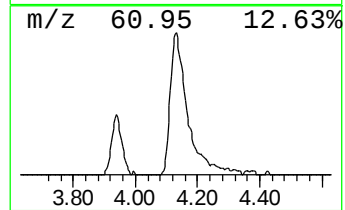
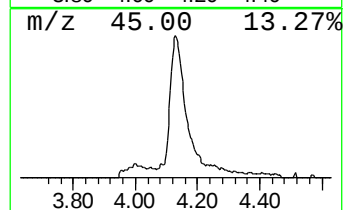
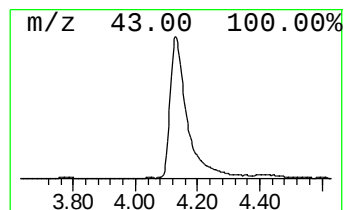
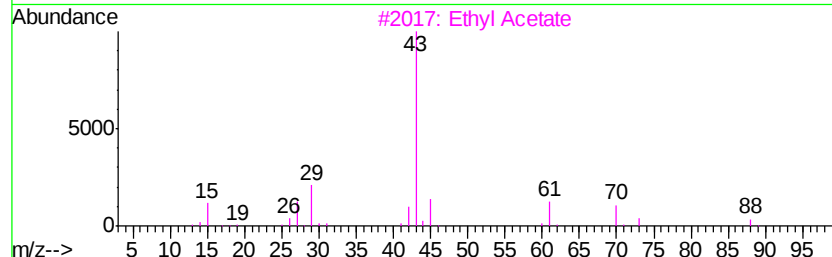
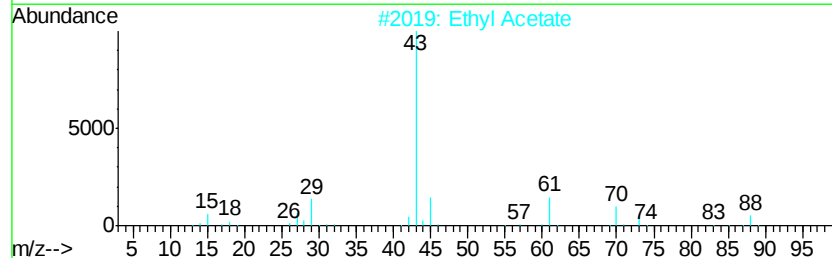
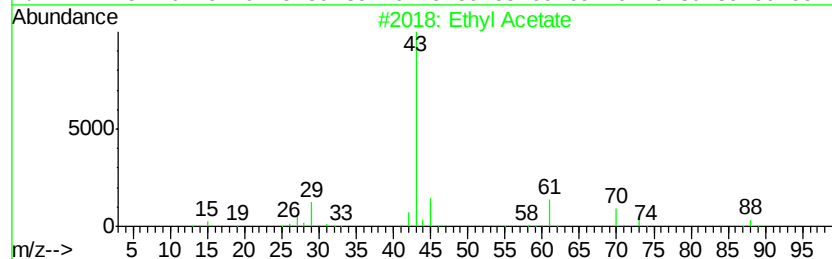
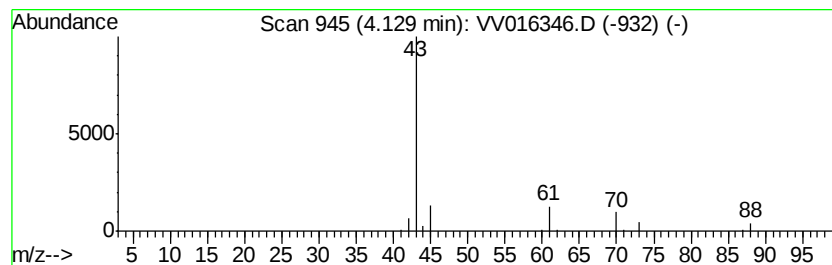
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 3 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.13 | 5.47 ug/L | 219813 | 1,4-Difluorobenzene | 5.64 |

| Hit# of | 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|---------|---|-----------------|----|---------|-------------|------|
| 1       |   | 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 | 64   |
| 5       |   | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 64   |



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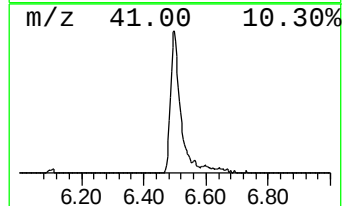
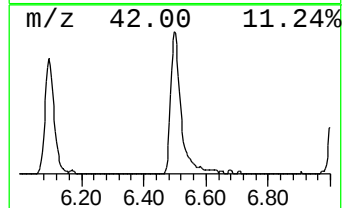
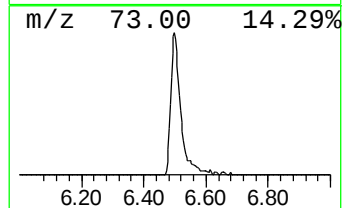
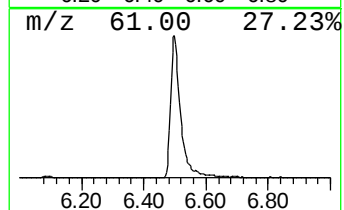
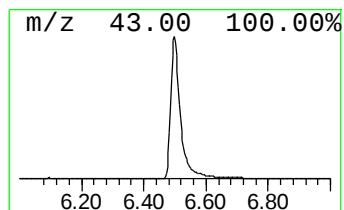
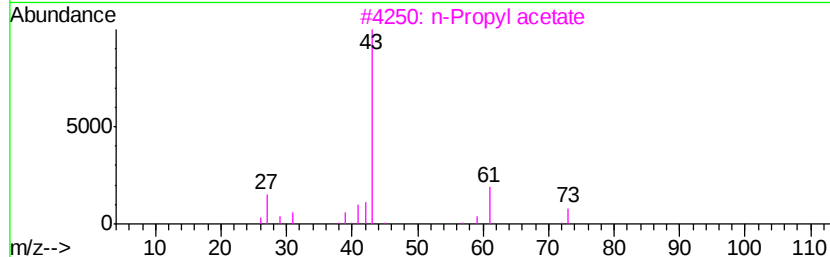
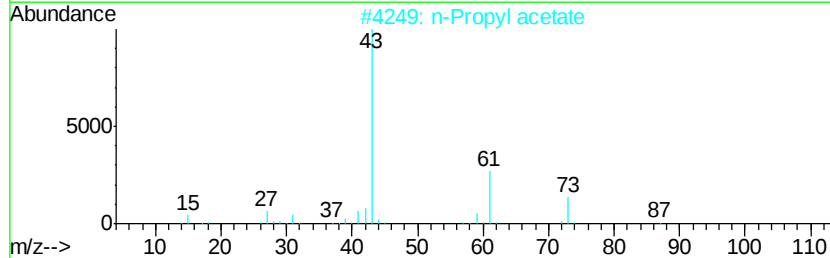
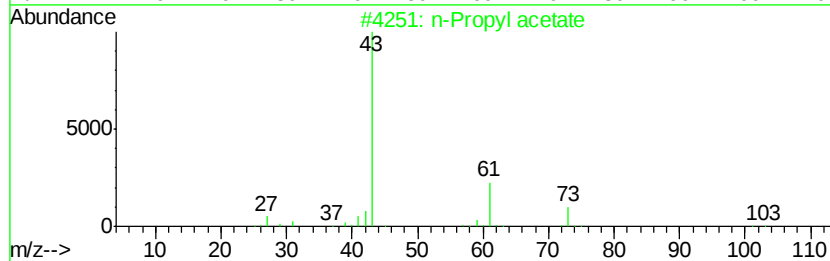
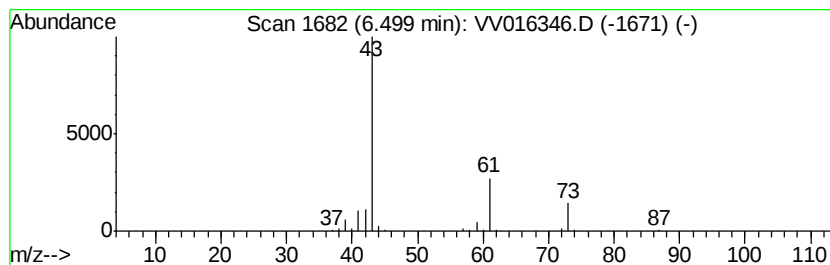
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Peak Number 4 n-Propyl acetate Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 6.50 | 5.37 ug/L | 215804 | 1,4-Difluorobenzene | 5.64 |

| 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 | 78   |
| 4    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36   |
| 5    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 33   |



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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... | 1.11 | 2.0     | ug/L  | 78699    | 1                     | 5.64 | 201086 | 5.0  |
| (DEL) Alkane: Cyc... | 3.78 | 0.8     | ug/L  | 33275    | 1                     | 5.64 | 201086 | 5.0  |
| Ethyl Acetate        | 4.13 | 5.5     | ug/L  | 219813   | 1                     | 5.64 | 201086 | 5.0  |
| n-Propyl acetate     | 6.50 | 5.4     | ug/L  | 215804   | 1                     | 5.64 | 201086 | 5.0  |