

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042719\  
 Data File : VV010521.D  
 Acq On : 27 Apr 2019 01:48  
 Operator : SY/MD  
 Sample : K2592-01  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0XG6

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\SOMVTR042719WMA.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         | 1.119       | 3             | 9           | 21           | rVB      | 96654          | 103337        | 13.37%          | 1.388%        |
| 2         | 1.222       | 36            | 41          | 48           | rVB      | 21607          | 21084         | 2.73%           | 0.283%        |
| 3         | 1.319       | 62            | 71          | 87           | rVB      | 84992          | 105426        | 13.64%          | 1.416%        |
| 4         | 1.573       | 144           | 150         | 163          | rVB      | 53899          | 65379         | 8.46%           | 0.878%        |
| 5         | 1.766       | 200           | 210         | 224          | rVB      | 92935          | 121546        | 15.72%          | 1.632%        |
| 6         | 2.126       | 309           | 322         | 335          | rBV      | 166928         | 236812        | 30.63%          | 3.180%        |
| 7         | 2.200       | 335           | 345         | 359          | rVB      | 20289          | 35567         | 4.60%           | 0.478%        |
| 8         | 2.341       | 378           | 389         | 397          | rBV2     | 8485           | 17350         | 2.24%           | 0.233%        |
| 9         | 3.942       | 875           | 887         | 912          | rBV      | 89256          | 259386        | 33.55%          | 3.483%        |
| 10        | 4.135       | 933           | 947         | 966          | rBV3     | 42056          | 105059        | 13.59%          | 1.411%        |
| 11        | 4.402       | 1014          | 1030        | 1054         | rBV2     | 139114         | 339647        | 43.93%          | 4.561%        |
| 12        | 5.097       | 1228          | 1246        | 1280         | rBV2     | 306863         | 773090        | 100.00%         | 10.382%       |
| 13        | 5.662       | 1408          | 1422        | 1452         | rBV      | 242898         | 509274        | 65.88%          | 6.839%        |
| 14        | 5.962       | 1502          | 1515        | 1530         | rBV4     | 21191          | 46662         | 6.04%           | 0.627%        |
| 15        | 6.119       | 1550          | 1564        | 1586         | rBV      | 168329         | 346663        | 44.84%          | 4.656%        |
| 16        | 7.029       | 1832          | 1847        | 1862         | rBV      | 78089          | 142792        | 18.47%          | 1.918%        |
| 17        | 7.360       | 1937          | 1950        | 1969         | rBV      | 362991         | 655790        | 84.83%          | 8.807%        |
| 18        | 7.666       | 2033          | 2045        | 2060         | rBV2     | 47948          | 82351         | 10.65%          | 1.106%        |
| 19        | 8.019       | 2134          | 2155        | 2177         | rBV      | 313620         | 570094        | 73.74%          | 7.656%        |
| 20        | 8.135       | 2180          | 2191        | 2220         | rVV      | 356378         | 640033        | 82.79%          | 8.595%        |
| 21        | 8.897       | 2415          | 2428        | 2453         | rBV      | 368658         | 630488        | 81.55%          | 8.467%        |
| 22        | 10.260      | 2841          | 2852        | 2869         | rVB      | 128852         | 213178        | 27.57%          | 2.863%        |
| 23        | 10.424      | 2891          | 2903        | 2915         | rBV2     | 13029          | 22327         | 2.89%           | 0.300%        |
| 24        | 11.296      | 3159          | 3174        | 3194         | rVB      | 352697         | 565013        | 73.09%          | 7.588%        |
| 25        | 11.575      | 3250          | 3261        | 3279         | rBV2     | 110058         | 193040        | 24.97%          | 2.592%        |
| 26        | 11.672      | 3279          | 3291        | 3308         | rVB      | 401061         | 644774        | 83.40%          | 8.659%        |

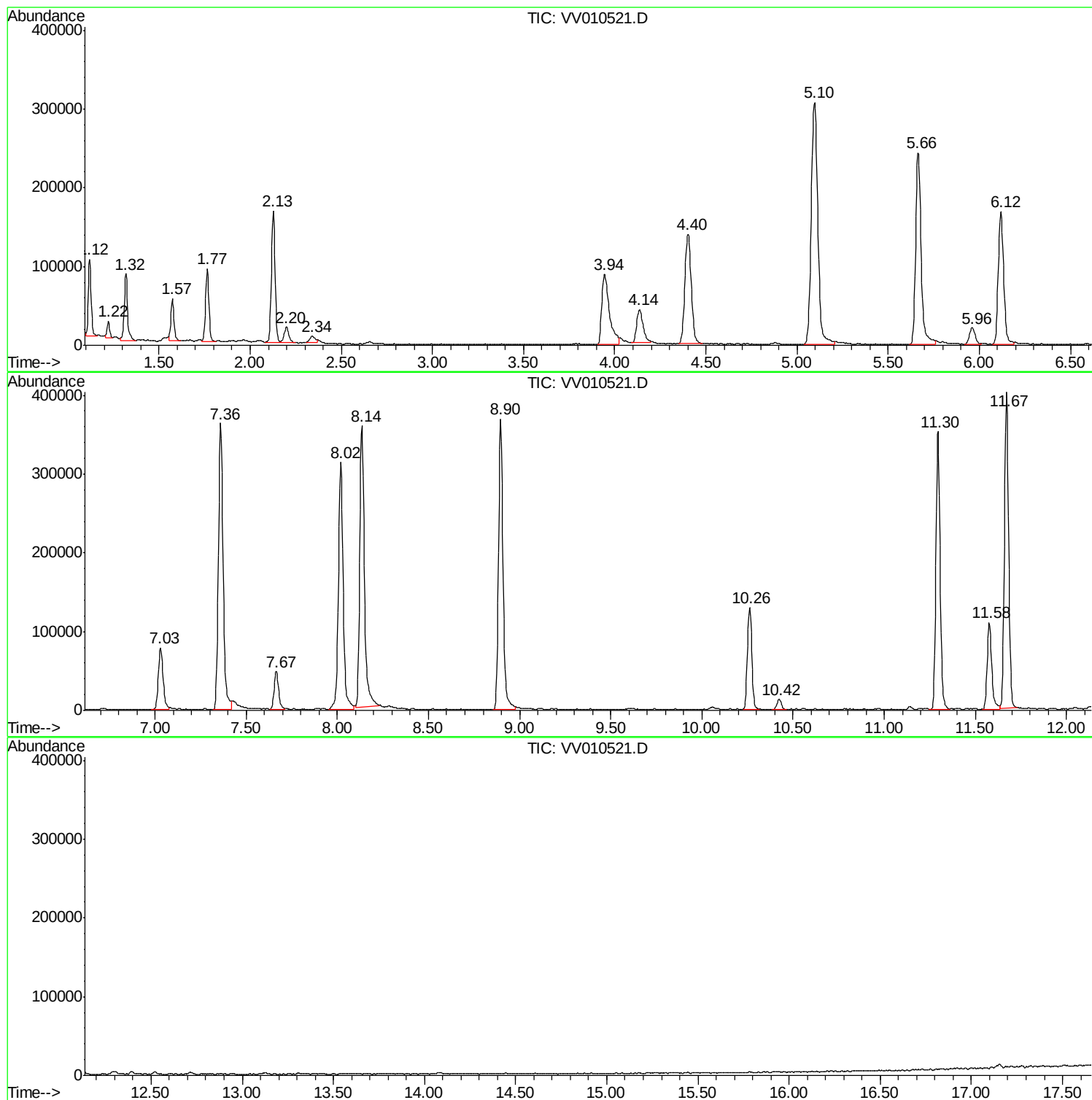
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ClientSampleId :  
C0XG6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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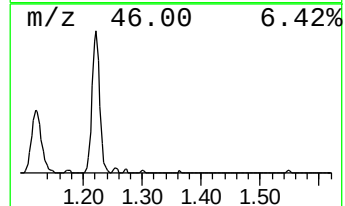
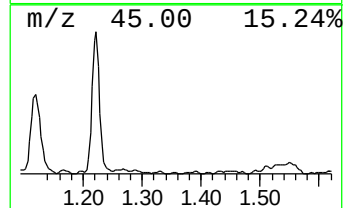
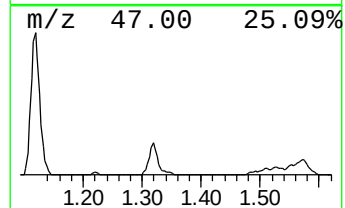
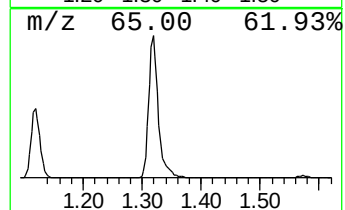
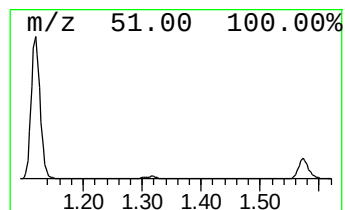
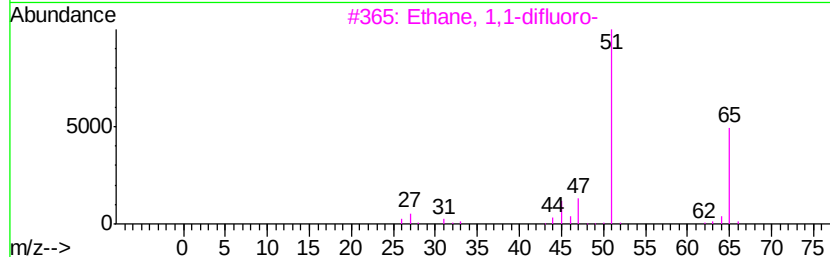
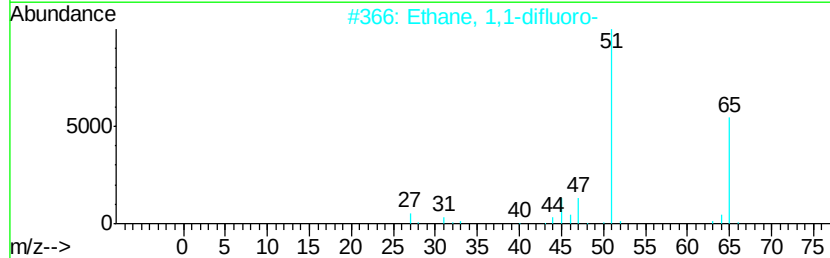
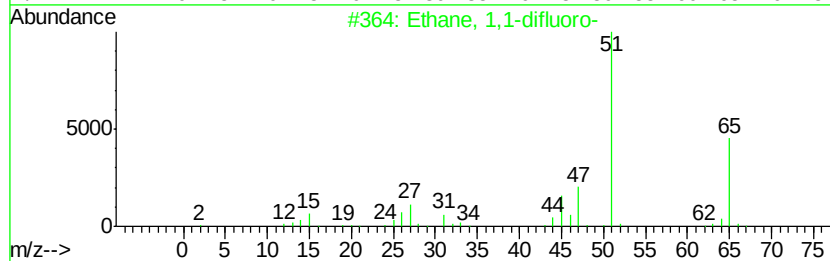
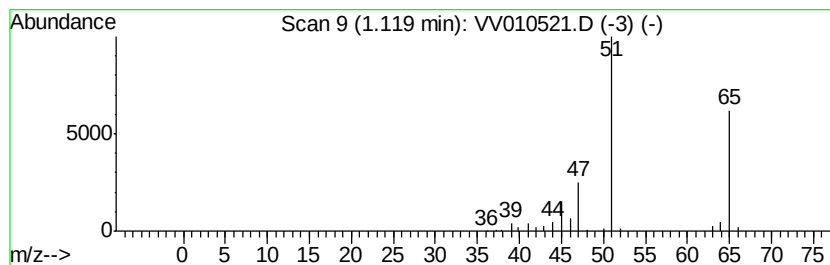
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.12 | 1.01 ug/L | 103337 | 1,4-Difluorobenzene | 5.67 |

| 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    |    |   | Propane, 2,2-difluoro- | 80 | C3H6F2  | 000420-45-1 | 4    |
| 5    |    |   | Propiolonitrile        | 51 | C3HN    | 001070-71-9 | 3    |



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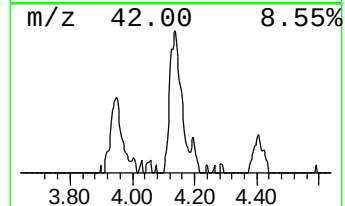
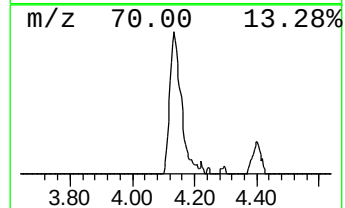
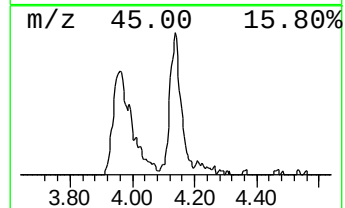
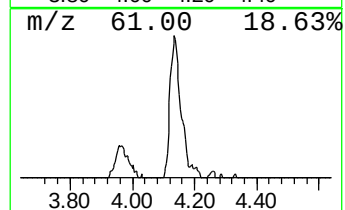
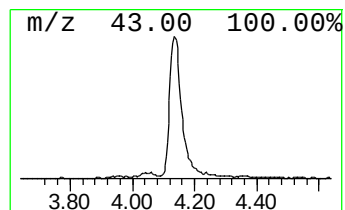
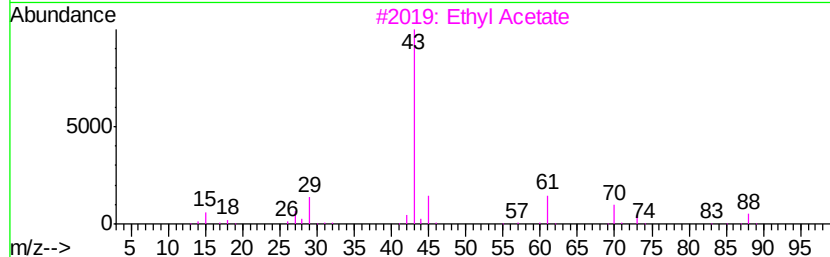
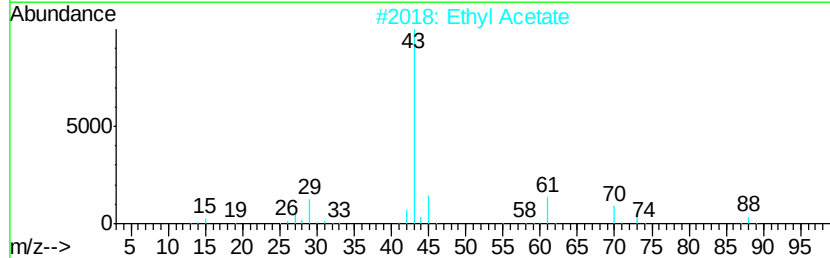
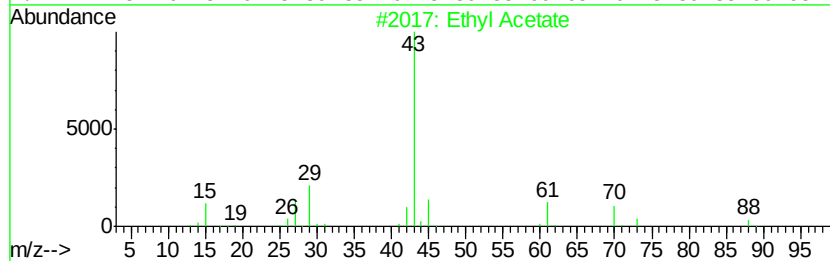
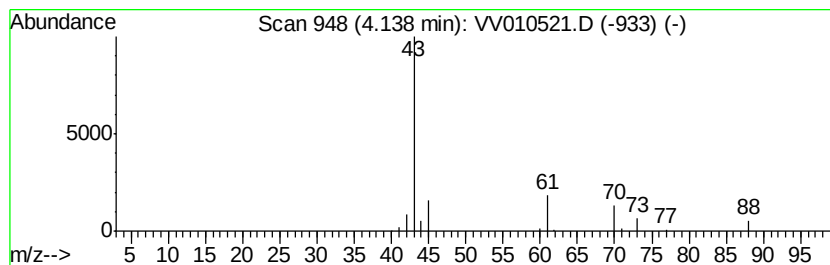
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Ethyl Acetate Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.14 | 1.03 ug/L | 105059 | 1,4-Difluorobenzene | 5.67 |

| 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 | 78   |
| 5    |    | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 53   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
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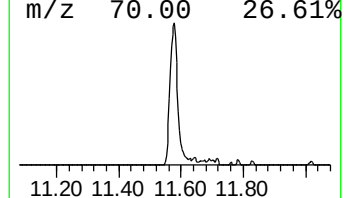
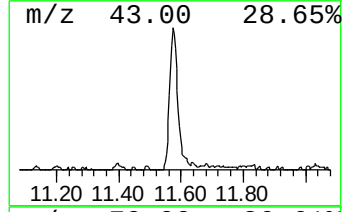
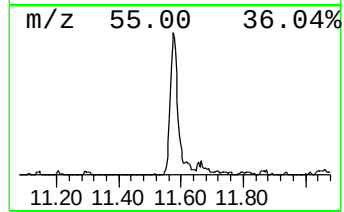
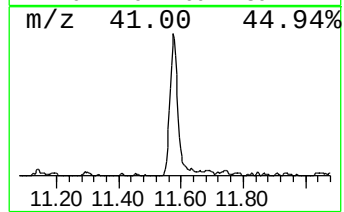
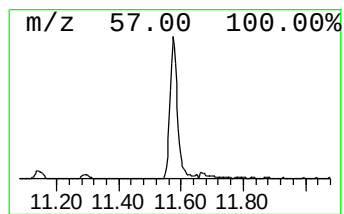
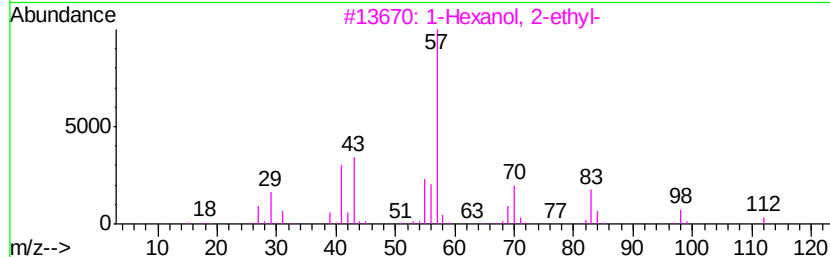
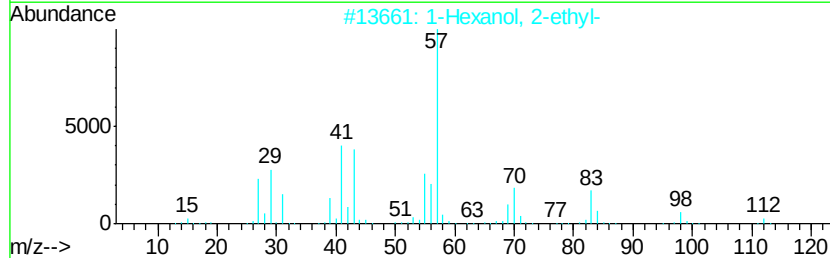
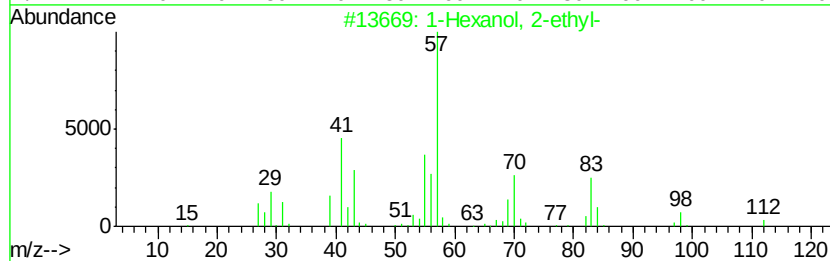
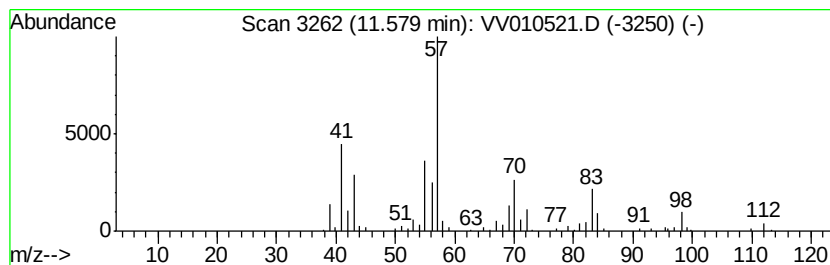
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Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 11.58 | 1.71 ug/L | 193040 | 1,4-Dichlorobenzene-d4 | 11.30 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Hexanol, 2-ethyl-           | 130 | C8H18O  | 000104-76-7 | 90   |
| 2    |    |   | 1-Hexanol, 2-ethyl-           | 130 | C8H18O  | 000104-76-7 | 80   |
| 3    |    |   | 1-Hexanol, 2-ethyl-           | 130 | C8H18O  | 000104-76-7 | 78   |
| 4    |    |   | 1-Hexanol, 2-ethyl-           | 130 | C8H18O  | 000104-76-7 | 64   |
| 5    |    |   | 1-Pentanol, 2-ethyl-4-methyl- | 130 | C8H18O  | 000106-67-2 | 53   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Ethane, 1,1-diflu... | 1.12  | 1.0     | ug/L  | 103337   | 1                     | 5.67  | 509274 | 5.0  |
| Ethyl Acetate        | 4.14  | 1.0     | ug/L  | 105059   | 1                     | 5.67  | 509274 | 5.0  |
| 1-Hexanol, 2-ethyl-  | 11.58 | 1.7     | ug/L  | 193040   | 3                     | 11.30 | 565013 | 5.0  |