

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
 Data File : VV010564.D  
 Acq On : 29 Apr 2019 22:44  
 Operator : SY/MD  
 Sample : K2590-03  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X88

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         | 1.116       | 3             | 8           | 21           | rVB      | 55911          | 59432         | 2.97%           | 0.720%        |
| 2         | 1.319       | 63            | 71          | 87           | rVB      | 77632          | 88559         | 4.42%           | 1.073%        |
| 3         | 1.566       | 138           | 148         | 160          | rBV      | 48411          | 62249         | 3.11%           | 0.754%        |
| 4         | 2.126       | 311           | 322         | 332          | rBV      | 131986         | 184879        | 9.24%           | 2.240%        |
| 5         | 2.190       | 332           | 342         | 351          | rVB      | 21034          | 29828         | 1.49%           | 0.361%        |
| 6         | 3.936       | 872           | 885         | 908          | rBV2     | 86044          | 242611        | 12.12%          | 2.940%        |
| 7         | 4.129       | 935           | 945         | 967          | rBV3     | 28569          | 64797         | 3.24%           | 0.785%        |
| 8         | 4.399       | 1011          | 1029        | 1053         | rBV      | 131448         | 323209        | 16.15%          | 3.917%        |
| 9         | 5.093       | 1227          | 1245        | 1270         | rBV3     | 285208         | 698040        | 34.88%          | 8.459%        |
| 10        | 5.662       | 1409          | 1422        | 1452         | rBV2     | 237443         | 496484        | 24.81%          | 6.017%        |
| 11        | 5.958       | 1494          | 1514        | 1539         | rBV      | 998863         | 2001466       | 100.00%         | 24.255%       |
| 12        | 6.116       | 1551          | 1563        | 1579         | rVB2     | 155999         | 317570        | 15.87%          | 3.848%        |
| 13        | 7.029       | 1836          | 1847        | 1864         | rBV      | 78220          | 140075        | 7.00%           | 1.697%        |
| 14        | 7.360       | 1933          | 1950        | 1967         | rBV      | 335067         | 609729        | 30.46%          | 7.389%        |
| 15        | 7.662       | 2034          | 2044        | 2062         | rBV2     | 45189          | 78635         | 3.93%           | 0.953%        |
| 16        | 8.019       | 2144          | 2155        | 2179         | rVB      | 109071         | 195695        | 9.78%           | 2.372%        |
| 17        | 8.132       | 2179          | 2190        | 2210         | rBV      | 349476         | 591949        | 29.58%          | 7.174%        |
| 18        | 8.894       | 2411          | 2427        | 2452         | rBV      | 359350         | 614867        | 30.72%          | 7.451%        |
| 19        | 10.260      | 2840          | 2852        | 2865         | rBV2     | 125038         | 198646        | 9.93%           | 2.407%        |
| 20        | 10.424      | 2891          | 2903        | 2913         | rVB2     | 13360          | 20799         | 1.04%           | 0.252%        |
| 21        | 11.296      | 3162          | 3174        | 3194         | rBV      | 348840         | 558708        | 27.91%          | 6.771%        |
| 22        | 11.582      | 3252          | 3263        | 3277         | rBV3     | 41009          | 73521         | 3.67%           | 0.891%        |
| 23        | 11.672      | 3279          | 3291        | 3309         | rVB      | 367482         | 600096        | 29.98%          | 7.272%        |

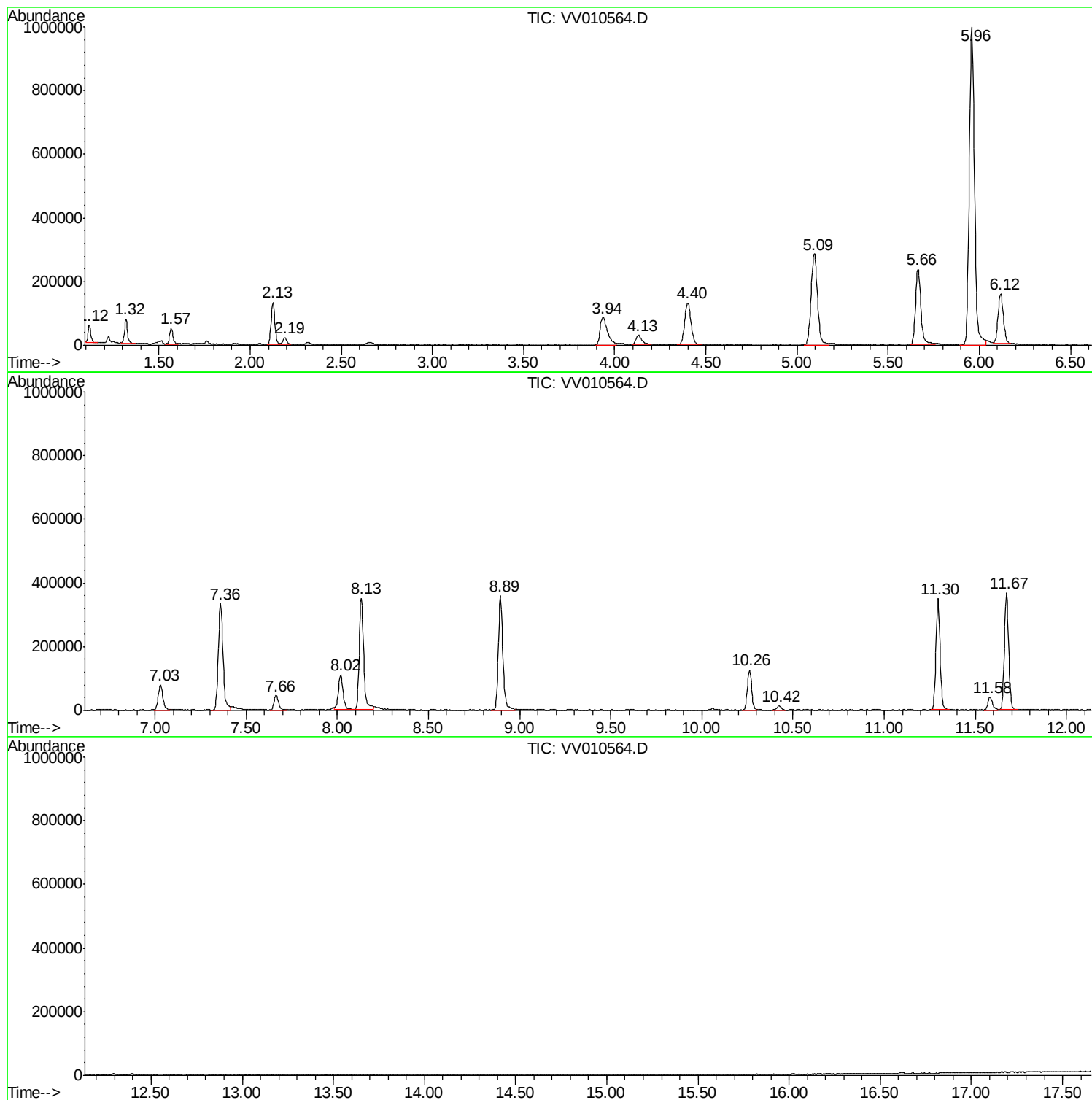
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Instrument :  
MSVOA\_V  
ClientSampled :  
C0X88

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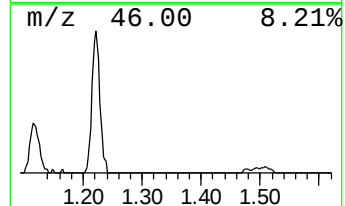
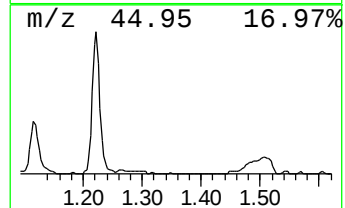
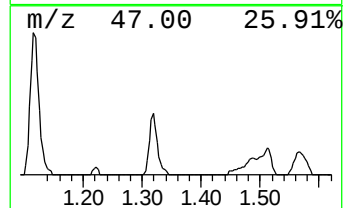
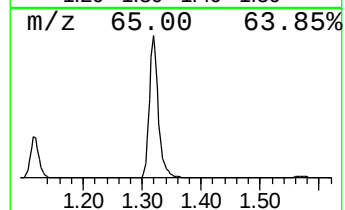
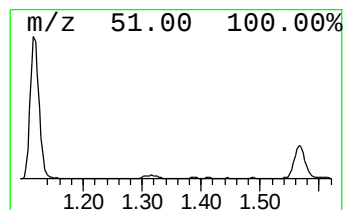
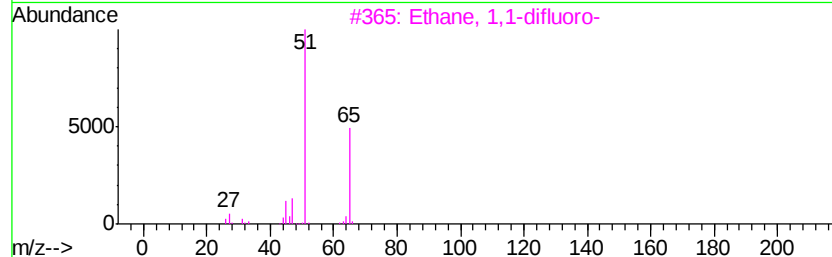
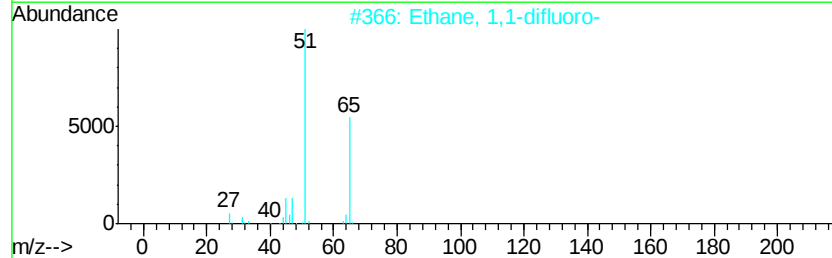
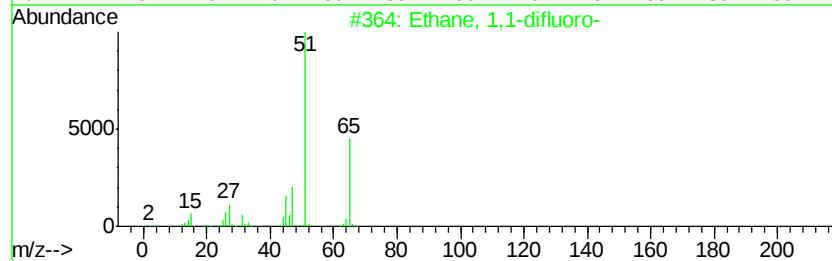
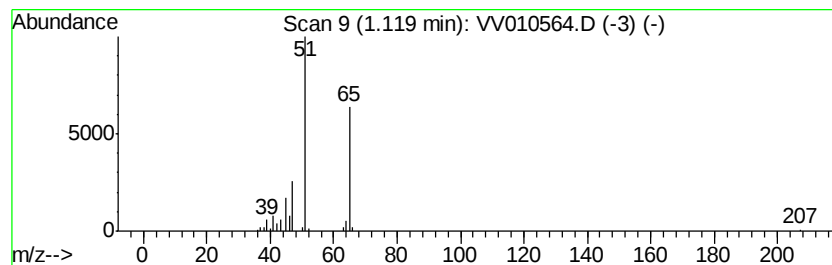
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0

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 | 0.60 ug/L | 59432 | 1,4-Difluorobenzene | 5.66 |

| 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    |    |   | 2-p-Nitrobenzoyl-1,3,5-tribenzyl... | 569 | C33H31N08 | 1000129-85-6 | 9    |
| 5    |    |   | Ethane, 1-chloro-1,1-difluoro-      | 100 | C2H3ClF2  | 000075-68-3  | 9    |



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Quant Title : TRACE VOA SOM01.0

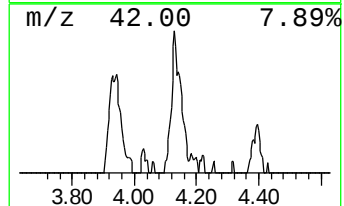
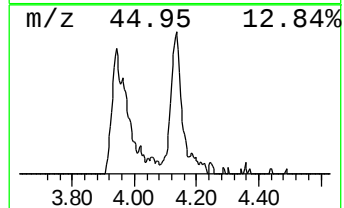
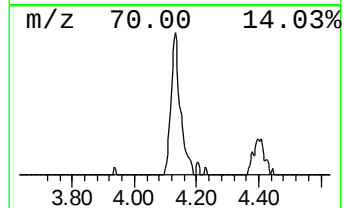
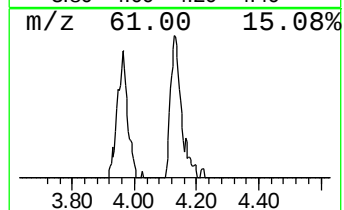
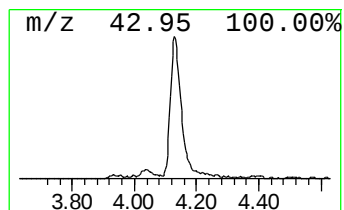
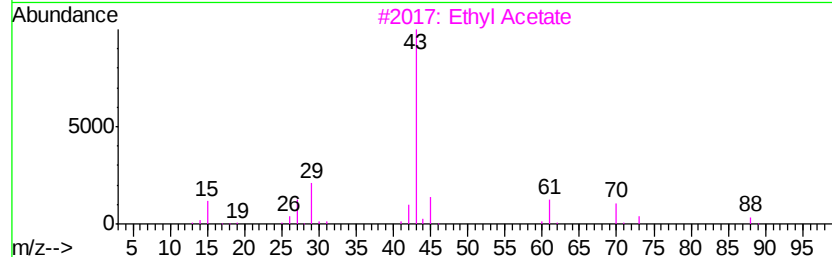
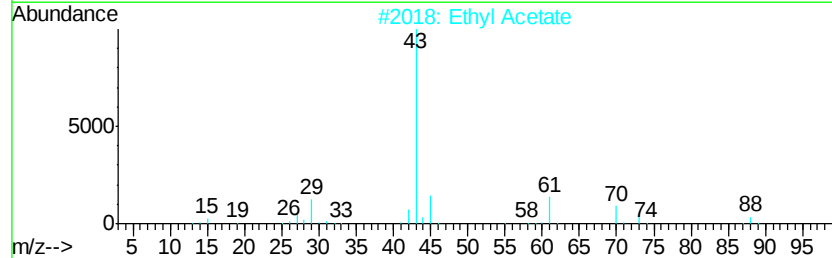
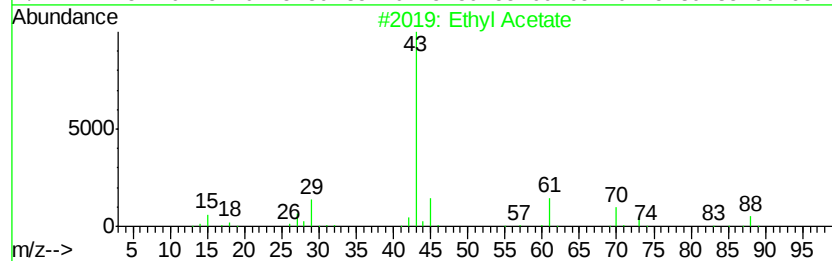
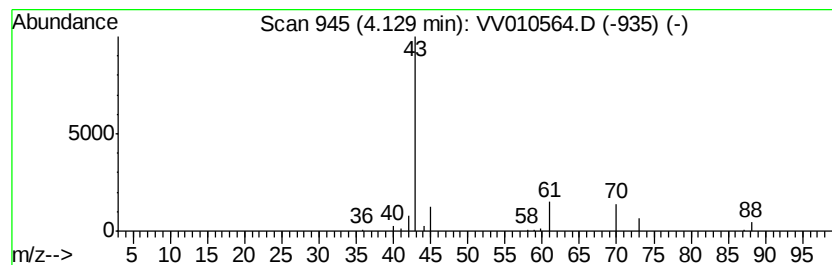
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Ethyl Acetate Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 4.13 | 0.65 ug/L | 64797 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|-----------------|----|---------|-------------|------|
| 1    | 5  | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 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 | 78   |



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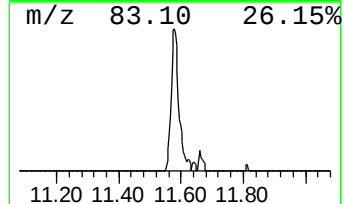
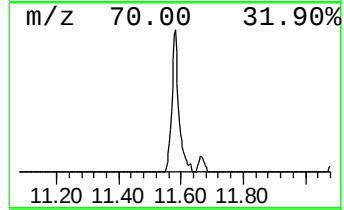
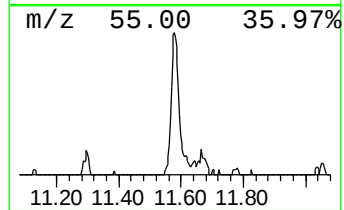
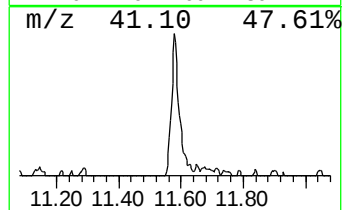
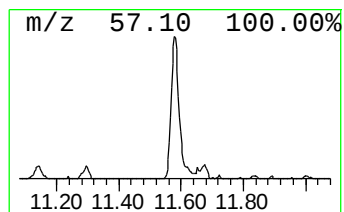
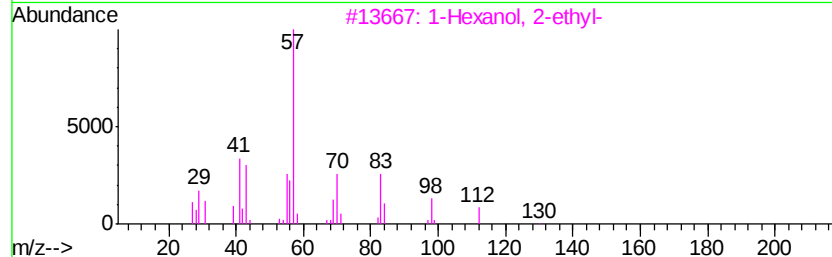
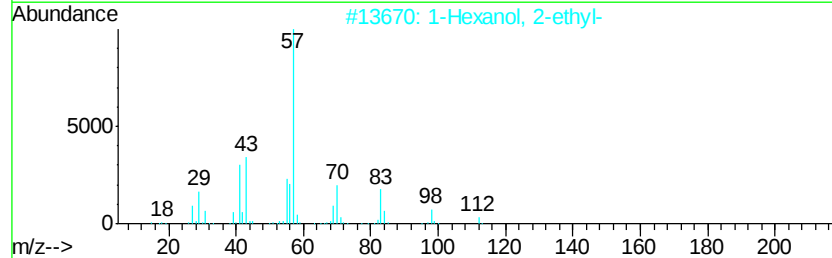
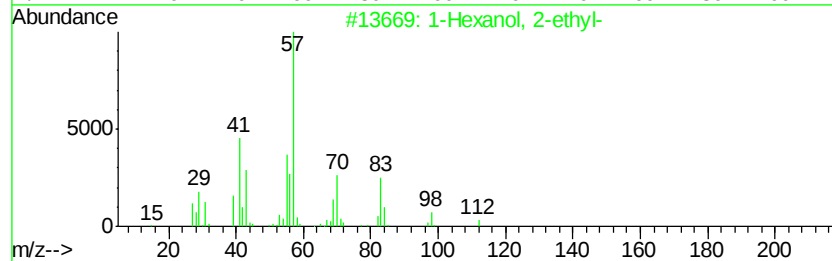
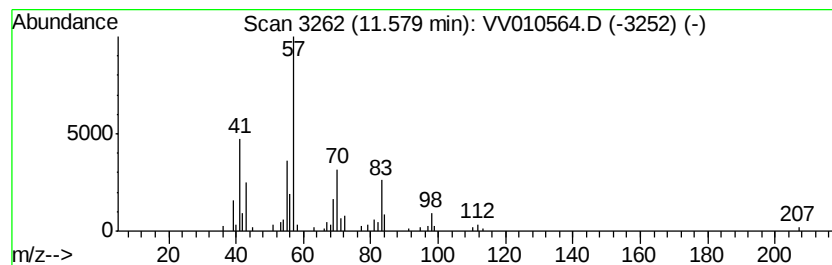
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ClientSampled :  
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 2

| R.T.    | EstConc             | Area         | Relative to ISTD       | R.T.      |
|---------|---------------------|--------------|------------------------|-----------|
| 11.58   | 0.66 ug/L           | 73521        | 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            | 83        |
| 2       | 1-Hexanol, 2-ethyl- | 130 C8H18O   | 000104-76-7            | 78        |
| 3       | 1-Hexanol, 2-ethyl- | 130 C8H18O   | 000104-76-7            | 78        |
| 4       | 1-Hexanol, 2-ethyl- | 130 C8H18O   | 000104-76-7            | 78        |
| 5       | 2-Propyl-1-pentanol | 130 C8H18O   | 058175-57-8            | 72        |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Ethane, 1,1-diflu... | 1.12  | 0.6     | ug/L  | 59432    | 1                     | 5.66  | 496484 | 5.0  |
| Ethyl Acetate        | 4.13  | 0.7     | ug/L  | 64797    | 1                     | 5.66  | 496484 | 5.0  |
| 1-Hexanol, 2-ethyl-  | 11.58 | 0.7     | ug/L  | 73521    | 3                     | 11.30 | 558708 | 5.0  |