

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082619\  
 Data File : VV012394.D  
 Acq On : 26 Aug 2019 11:12  
 Operator : SY/MD  
 Sample : K4501-04  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GANL9

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\SOMVTR082319WMA.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       | 4             | 8           | 16           | rVB2     | 13445          | 12000         | 1.49%           | 0.171%        |
| 2         | 1.229       | 37            | 43          | 49           | rVB      | 25280          | 24785         | 3.07%           | 0.352%        |
| 3         | 1.309       | 60            | 68          | 90           | rVB2     | 176893         | 273318        | 33.89%          | 3.886%        |
| 4         | 1.582       | 145           | 153         | 165          | rVB      | 77639          | 92487         | 11.47%          | 1.315%        |
| 5         | 1.936       | 255           | 263         | 275          | rVB      | 10649          | 16532         | 2.05%           | 0.235%        |
| 6         | 2.132       | 313           | 324         | 333          | rBV      | 167718         | 239195        | 29.66%          | 3.401%        |
| 7         | 2.187       | 333           | 341         | 356          | rVB      | 32716          | 48755         | 6.05%           | 0.693%        |
| 8         | 2.409       | 397           | 410         | 430          | rBV      | 29696          | 53447         | 6.63%           | 0.760%        |
| 9         | 2.663       | 474           | 489         | 503          | rBV2     | 38886          | 81330         | 10.08%          | 1.156%        |
| 10        | 3.737       | 807           | 823         | 842          | rBV3     | 35941          | 98164         | 12.17%          | 1.396%        |
| 11        | 3.936       | 871           | 885         | 916          | rBV2     | 97182          | 303201        | 37.59%          | 4.310%        |
| 12        | 4.399       | 1010          | 1029        | 1053         | rBV2     | 139340         | 385161        | 47.76%          | 5.476%        |
| 13        | 5.094       | 1225          | 1245        | 1266         | rBV2     | 329004         | 806503        | 100.00%         | 11.466%       |
| 14        | 5.663       | 1407          | 1422        | 1443         | rBV      | 266778         | 541676        | 67.16%          | 7.701%        |
| 15        | 5.946       | 1494          | 1510        | 1528         | rVB2     | 24920          | 52874         | 6.56%           | 0.752%        |
| 16        | 6.116       | 1546          | 1563        | 1593         | rBV      | 189023         | 402419        | 49.90%          | 5.721%        |
| 17        | 6.579       | 1695          | 1707        | 1711         | rBV7     | 8197           | 14029         | 1.74%           | 0.199%        |
| 18        | 6.624       | 1711          | 1721        | 1735         | rVB      | 49548          | 101244        | 12.55%          | 1.439%        |
| 19        | 7.029       | 1834          | 1847        | 1863         | rBV      | 88258          | 163553        | 20.28%          | 2.325%        |
| 20        | 7.357       | 1935          | 1949        | 1966         | rBV      | 369269         | 656194        | 81.36%          | 9.329%        |
| 21        | 7.434       | 1966          | 1973        | 1985         | rVB      | 11826          | 23328         | 2.89%           | 0.332%        |
| 22        | 7.663       | 2029          | 2044        | 2058         | rBV      | 53873          | 96941         | 12.02%          | 1.378%        |
| 23        | 7.974       | 2131          | 2141        | 2150         | rBV7     | 6551           | 13247         | 1.64%           | 0.188%        |
| 24        | 8.135       | 2178          | 2191        | 2234         | rBV5     | 206796         | 646389        | 80.15%          | 9.189%        |
| 25        | 8.685       | 2349          | 2362        | 2375         | rBV3     | 6237           | 11790         | 1.46%           | 0.168%        |
| 26        | 8.894       | 2414          | 2427        | 2454         | rBV      | 401010         | 682633        | 84.64%          | 9.705%        |
| 27        | 9.180       | 2507          | 2516        | 2524         | rBV4     | 7794           | 12578         | 1.56%           | 0.179%        |
| 28        | 10.261      | 2838          | 2852        | 2871         | rBV      | 91104          | 152564        | 18.92%          | 2.169%        |
| 29        | 11.296      | 3161          | 3174        | 3194         | rBV      | 288373         | 527629        | 65.42%          | 7.501%        |
| 30        | 11.672      | 3277          | 3291        | 3313         | rBV      | 280645         | 500101        | 62.01%          | 7.110%        |

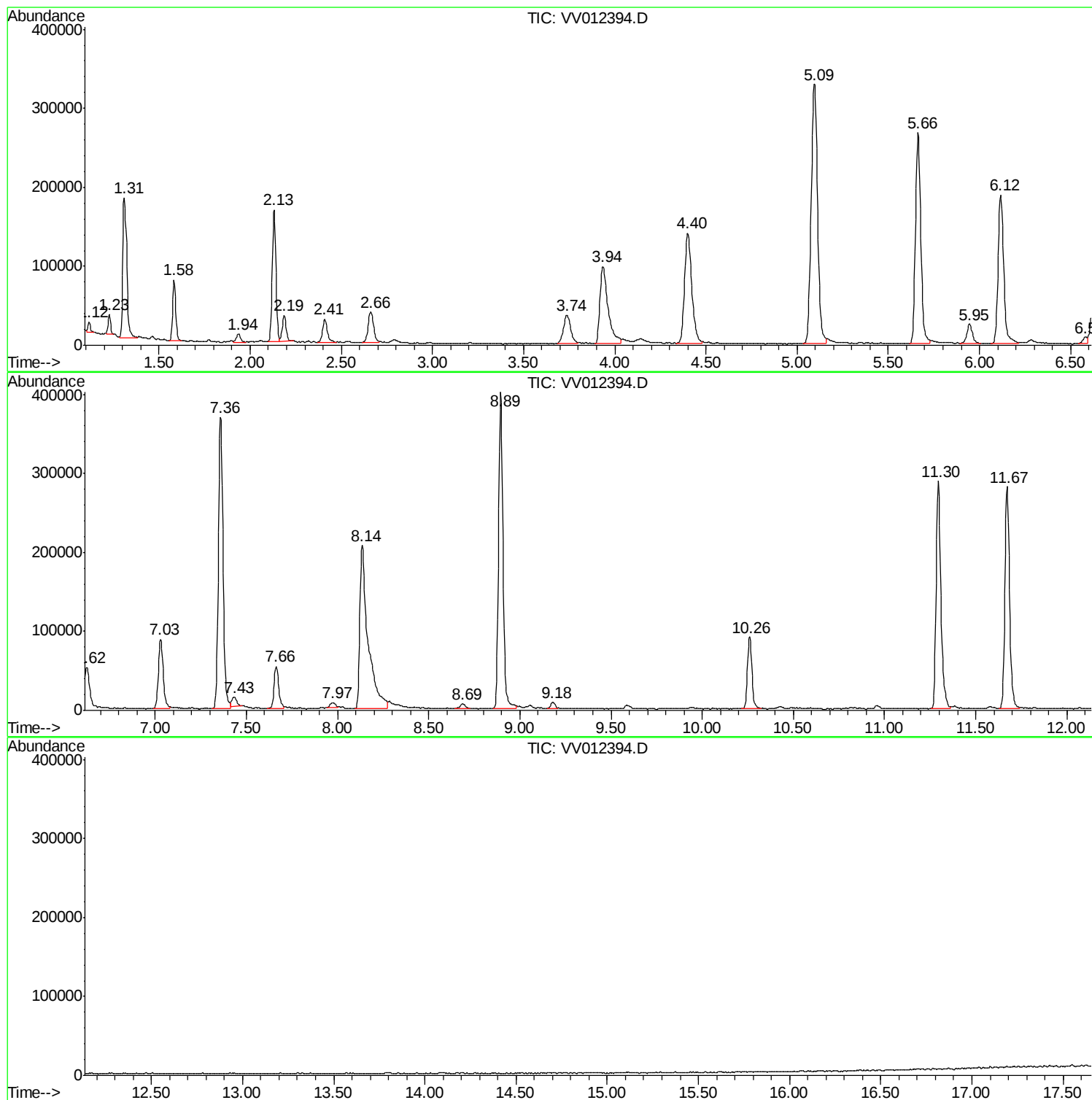
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MSVOA\_V  
ClientSampleId :  
GANL9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082319WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Instrument :  
MSVOA\_V  
ClientSampled :  
GANL9

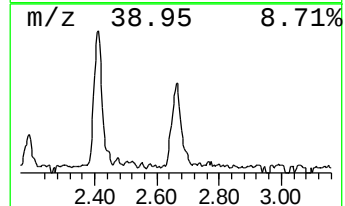
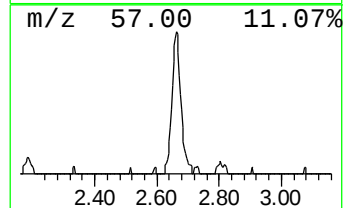
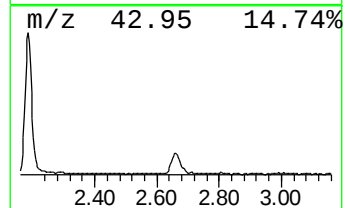
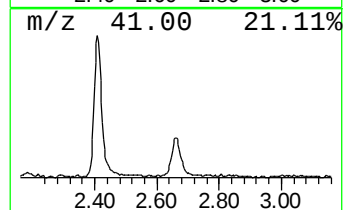
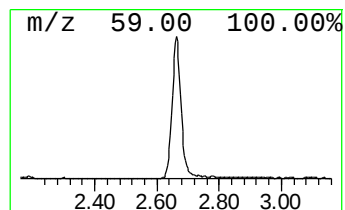
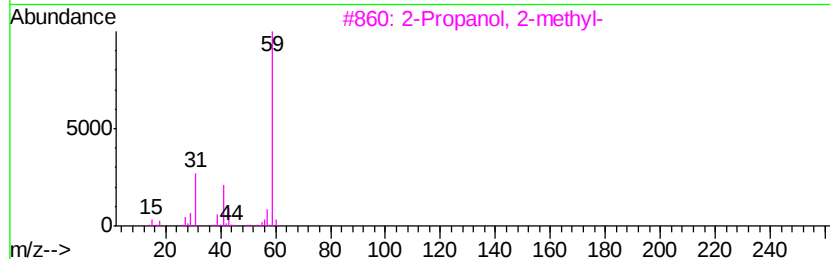
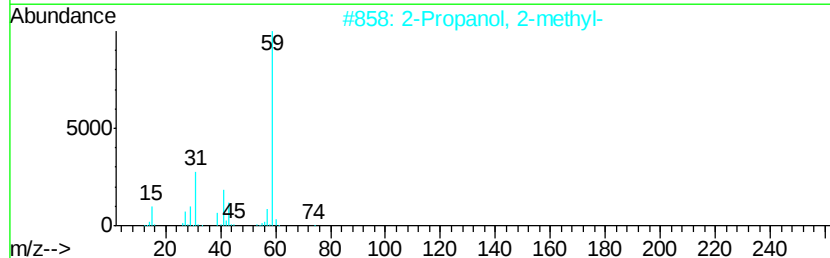
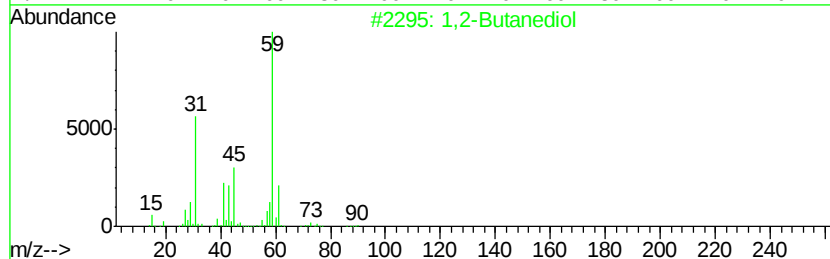
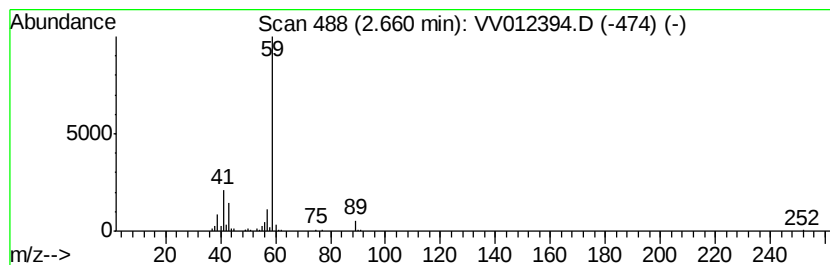
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082319WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 1,2-Butanediol Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.66 | 0.75 ug/L | 81330 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------|----|---------|-------------|------|
| 1    | 5  | 1,2-Butanediol        | 90 | C4H10O2 | 000584-03-2 | 64   |
| 2    |    | 2-Propanol, 2-methyl- | 74 | C4H10O  | 000075-65-0 | 56   |
| 3    |    | 2-Propanol, 2-methyl- | 74 | C4H10O  | 000075-65-0 | 56   |
| 4    |    | 2-Propanol, 2-methyl- | 74 | C4H10O  | 000075-65-0 | 50   |
| 5    |    | 3-Pentanol            | 88 | C5H12O  | 000584-02-1 | 39   |



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Instrument :  
MSVOA\_V  
ClientSampleId :  
GANL9

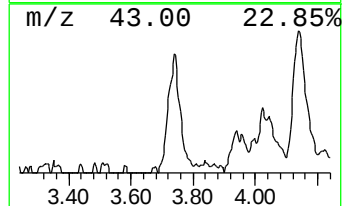
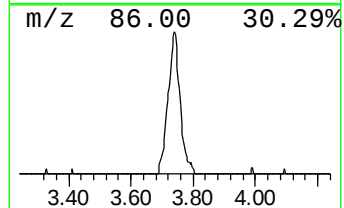
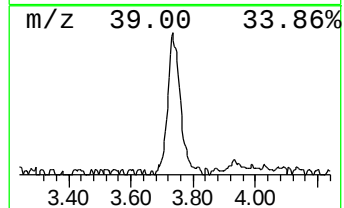
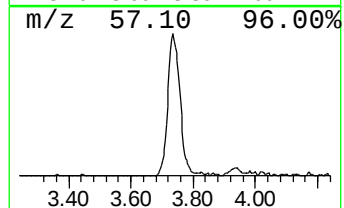
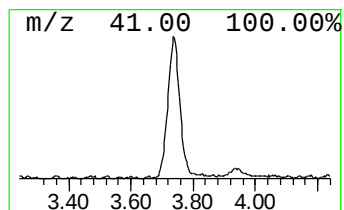
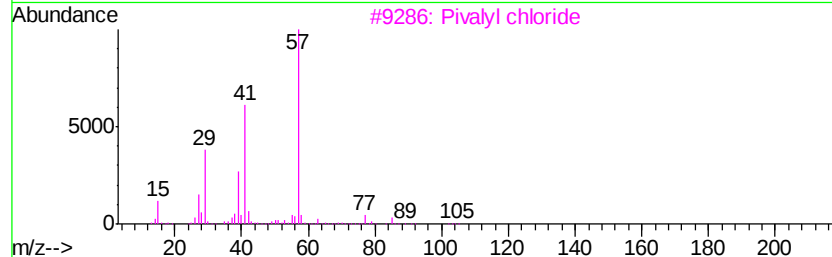
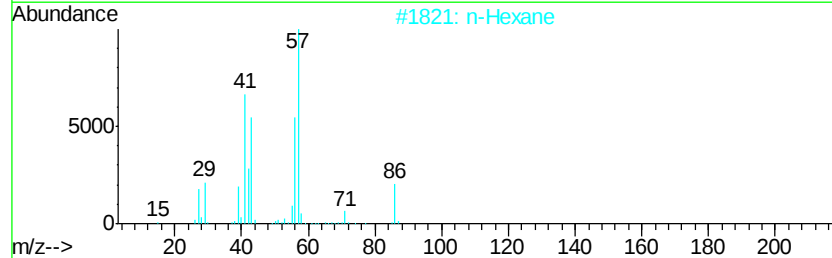
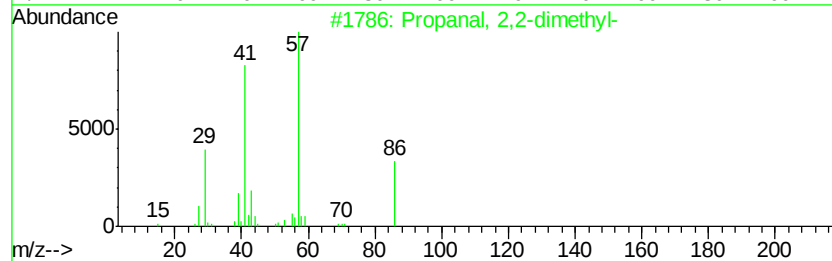
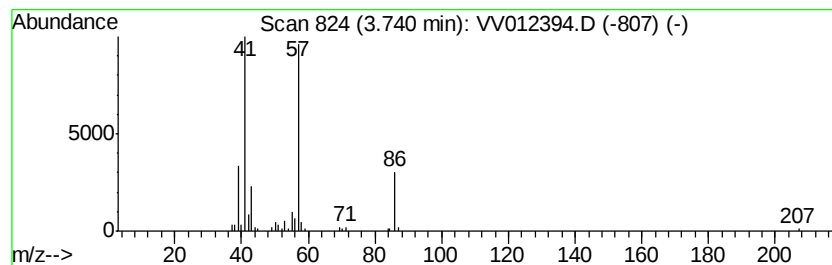
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 Propanal, 2,2-dimethyl- Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 3.74 | 0.91 ug/L | 98164 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propanal, 2,2-dimethyl-             | 86  | C5H10O  | 000630-19-3 | 80   |
| 2    |    | n-Hexane                            | 86  | C6H14   | 000110-54-3 | 53   |
| 3    |    | Pivalyl chloride                    | 120 | C5H9ClO | 003282-30-2 | 50   |
| 4    |    | Butanal, 2-methyl-                  | 86  | C5H10O  | 000096-17-3 | 45   |
| 5    |    | 6-Hepten-3-one, 5-hydroxy-4,6-di... | 156 | C9H16O2 | 062338-59-4 | 40   |



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ClientSampled :  
GANL9

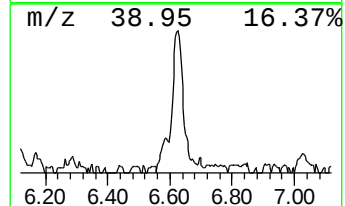
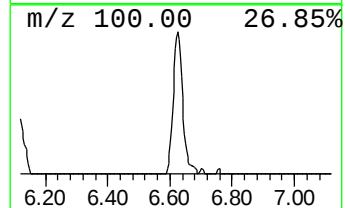
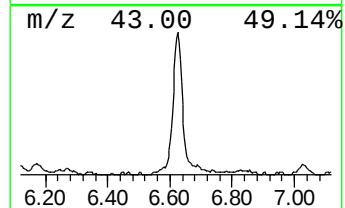
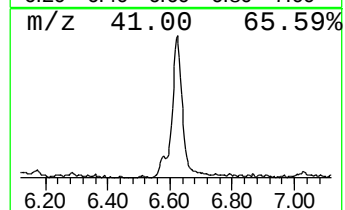
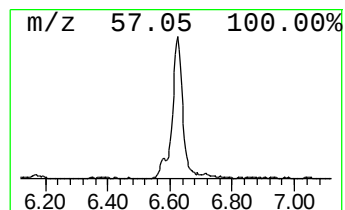
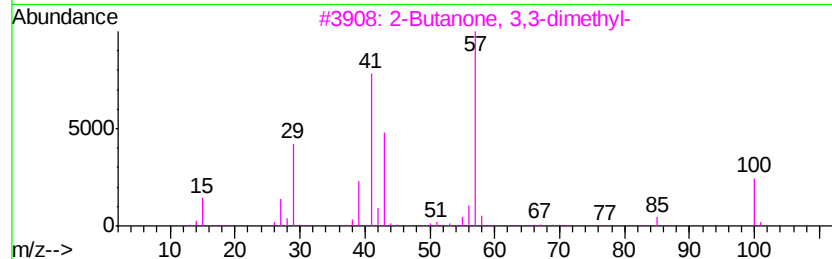
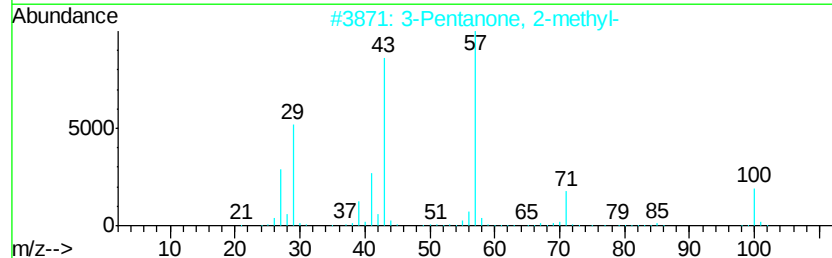
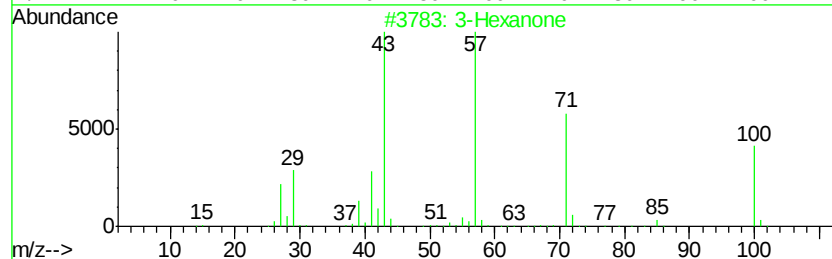
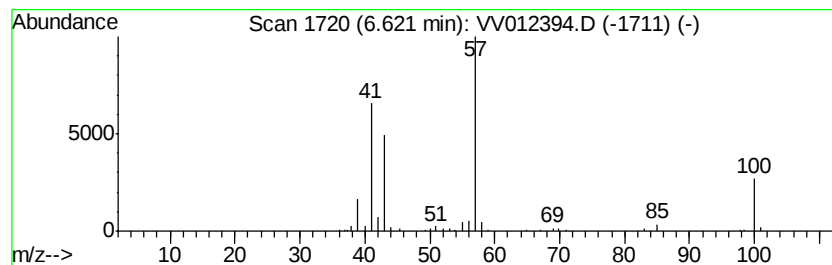
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 3-Hexanone Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 6.62 | 0.93 ug/L | 101244 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | 3-Hexanone                | 100 | C6H12O  | 000589-38-8 | 72   |
| 2    |    | 3-Pentanone, 2-methyl-    | 100 | C6H12O  | 000565-69-5 | 59   |
| 3    |    | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O  | 000075-97-8 | 53   |
| 4    |    | 3-Hexanone                | 100 | C6H12O  | 000589-38-8 | 50   |
| 5    |    | 3-Pentanone, 2-methyl-    | 100 | C6H12O  | 000565-69-5 | 40   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 1,2-Butanediol       | 2.66 | 0.8     | ug/L  | 81330    | 1                     | 5.66 | 541676 | 5.0  |
| Propanal, 2,2-dim... | 3.74 | 0.9     | ug/L  | 98164    | 1                     | 5.66 | 541676 | 5.0  |
| 3-Hexanone           | 6.62 | 0.9     | ug/L  | 101244   | 1                     | 5.66 | 541676 | 5.0  |