

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\  
 Data File : VU038651.D  
 Acq On : 07 Jun 2020 05:34  
 Operator : SY/MD  
 Sample : L2911-14  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9D43

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\SOMUTR053120WMA.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           | 16           | rBV      | 21029          | 20539         | 1.32%           | 0.190%        |
| 2         | 1.613       | 76            | 85          | 93           | rBV      | 139985         | 161683        | 10.42%          | 1.495%        |
| 3         | 1.932       | 176           | 184         | 193          | rVB      | 109817         | 139137        | 8.97%           | 1.287%        |
| 4         | 2.594       | 378           | 390         | 403          | rBV      | 230975         | 381230        | 24.58%          | 3.525%        |
| 5         | 2.668       | 403           | 413         | 435          | rVB2     | 24278          | 63279         | 4.08%           | 0.585%        |
| 6         | 2.871       | 448           | 476         | 480          | rBV2     | 23117          | 83875         | 5.41%           | 0.776%        |
| 7         | 4.674       | 1021          | 1037        | 1069         | rBV      | 216049         | 622511        | 40.13%          | 5.757%        |
| 8         | 4.845       | 1078          | 1090        | 1108         | rVB2     | 50814          | 112541        | 7.26%           | 1.041%        |
| 9         | 5.102       | 1151          | 1170        | 1189         | rBV      | 210066         | 458409        | 29.55%          | 4.239%        |
| 10        | 5.423       | 1256          | 1270        | 1287         | rBV3     | 26302          | 59901         | 3.86%           | 0.554%        |
| 11        | 5.761       | 1348          | 1375        | 1401         | rBV2     | 421213         | 1129530       | 72.82%          | 10.445%       |
| 12        | 6.279       | 1521          | 1536        | 1559         | rBV      | 389299         | 755819        | 48.73%          | 6.990%        |
| 13        | 6.719       | 1657          | 1673        | 1691         | rBV      | 263617         | 521179        | 33.60%          | 4.820%        |
| 14        | 7.591       | 1930          | 1944        | 1957         | rBV      | 130331         | 229373        | 14.79%          | 2.121%        |
| 15        | 7.922       | 2030          | 2047        | 2068         | rBV      | 506226         | 904997        | 58.34%          | 8.369%        |
| 16        | 8.202       | 2120          | 2134        | 2147         | rBV      | 84788          | 142248        | 9.17%           | 1.315%        |
| 17        | 8.655       | 2261          | 2275        | 2307         | rBV      | 844408         | 1551169       | 100.00%         | 14.345%       |
| 18        | 9.436       | 2505          | 2518        | 2547         | rBV      | 566831         | 960403        | 61.91%          | 8.881%        |
| 19        | 10.539      | 2851          | 2861        | 2871         | rBV      | 9578           | 16625         | 1.07%           | 0.154%        |
| 20        | 10.771      | 2917          | 2933        | 2950         | rVB      | 222473         | 359663        | 23.19%          | 3.326%        |
| 21        | 11.822      | 3247          | 3260        | 3278         | rBV      | 606647         | 943508        | 60.83%          | 8.725%        |
| 22        | 12.079      | 3325          | 3340        | 3359         | rBV      | 68404          | 142145        | 9.16%           | 1.315%        |
| 23        | 12.205      | 3366          | 3379        | 3396         | rVB      | 550841         | 884124        | 57.00%          | 8.176%        |
| 24        | 17.384      | 4979          | 4990        | 5003         | rBV2     | 92702          | 169711        | 10.94%          | 1.569%        |

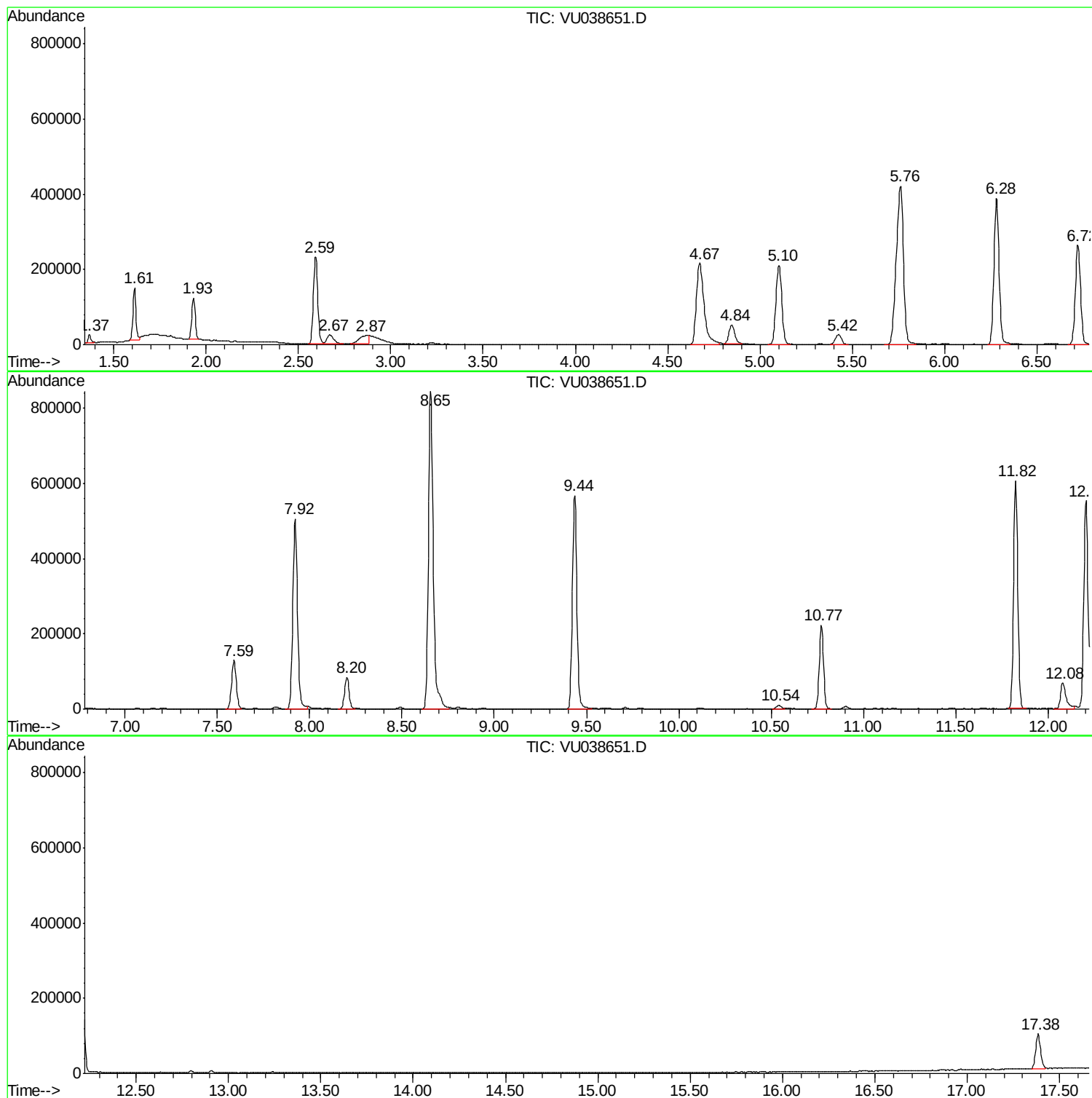
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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :  
F9D43

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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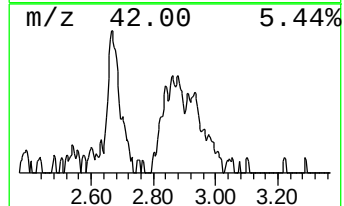
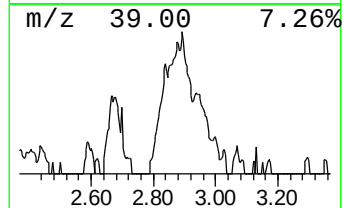
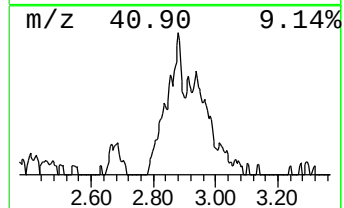
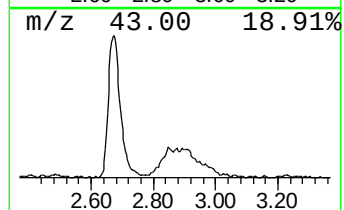
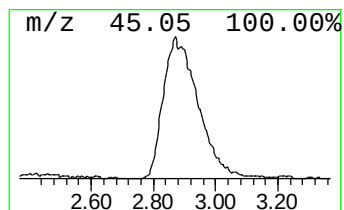
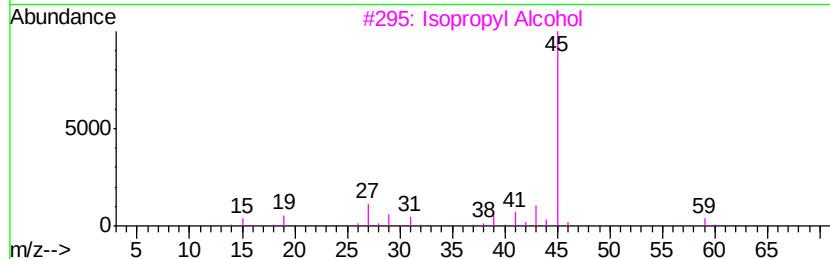
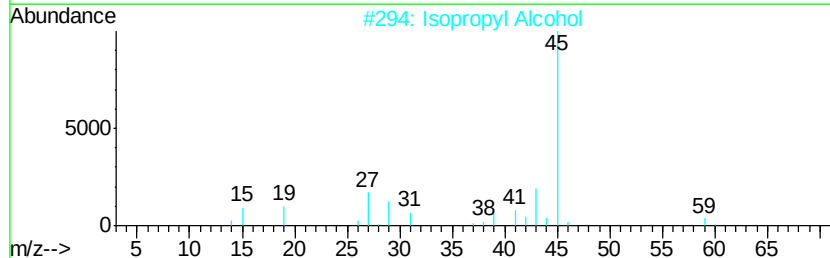
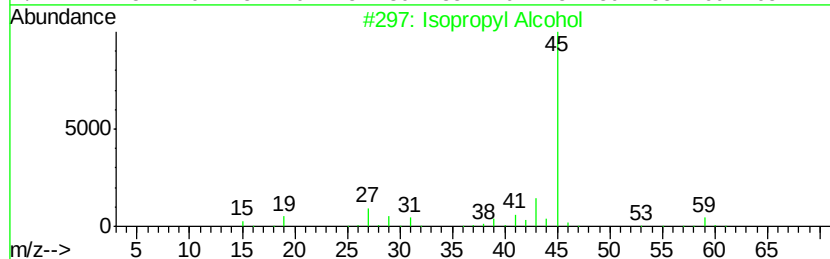
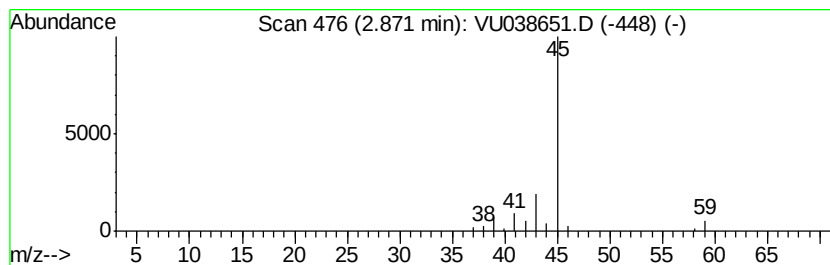
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Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 1 Isopropyl Alcohol Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.87 | 0.55 ug/L | 83875 | 1,4-Difluorobenzene | 6.28 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 78   |
| 2    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 64   |
| 3    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 9    |
| 4    |    |   | Formamide         | 45 | CH3NO   | 000075-12-7 | 7    |
| 5    |    |   | Formamide         | 45 | CH3NO   | 000075-12-7 | 4    |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0

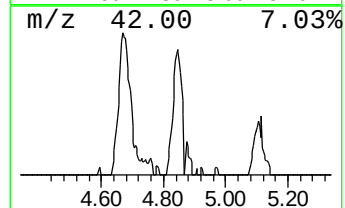
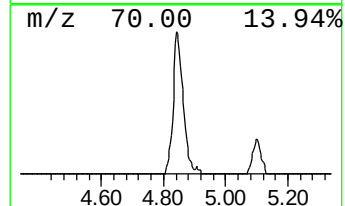
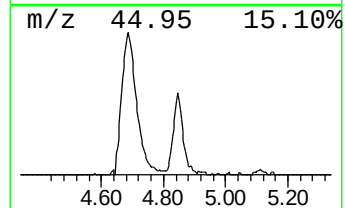
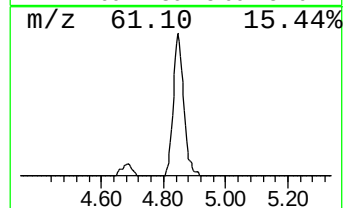
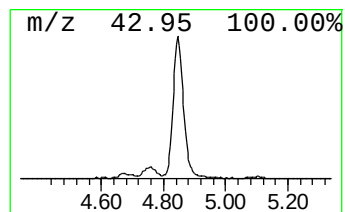
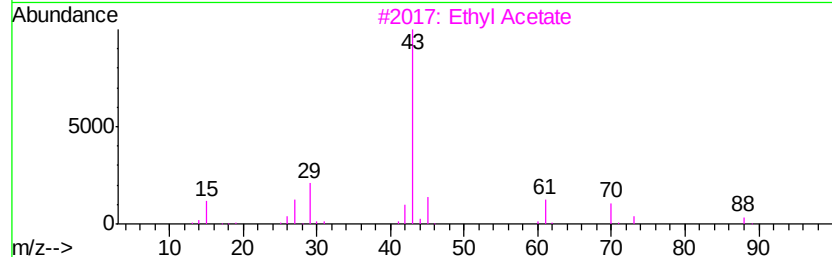
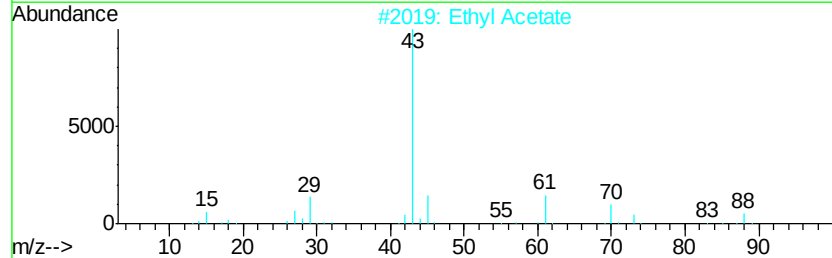
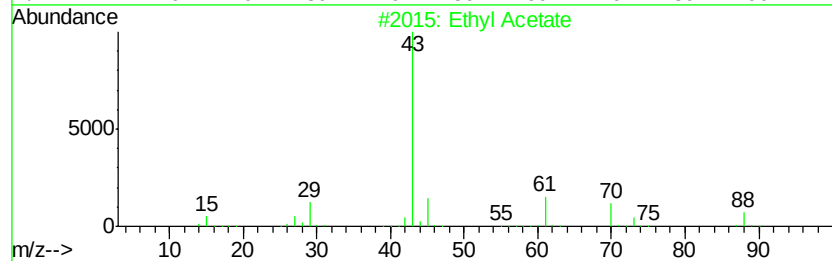
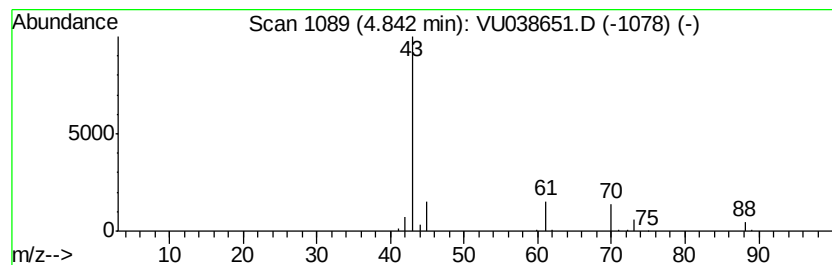
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Ethyl Acetate Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.84 | 0.74 ug/L | 112541 | 1,4-Difluorobenzene | 6.28 |

| 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 | 86   |
| 4       | Ethyl Acetate   |              | 88 | C4H8O2  | 000141-78-6 | 86   |
| 5       | CH3C(O)CH2CH2OH |              | 88 | C4H8O2  | 000590-90-9 | 40   |



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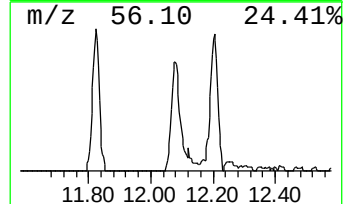
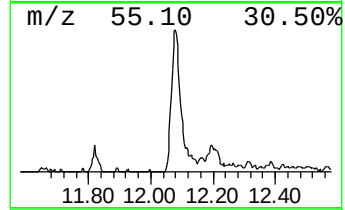
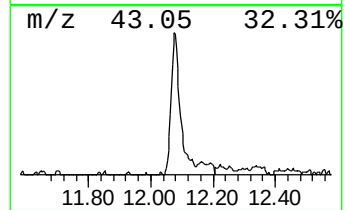
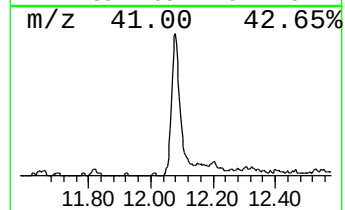
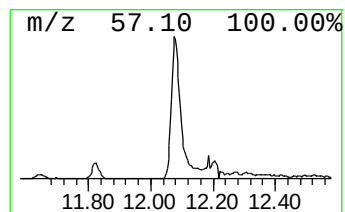
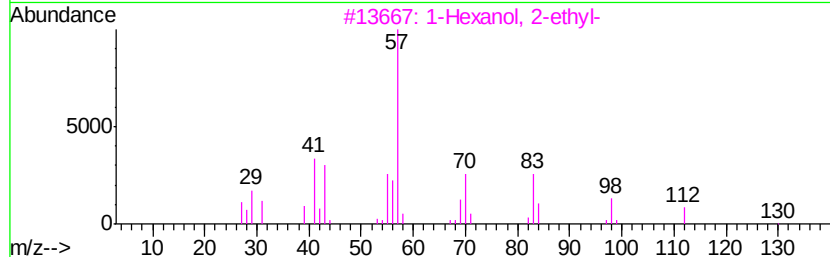
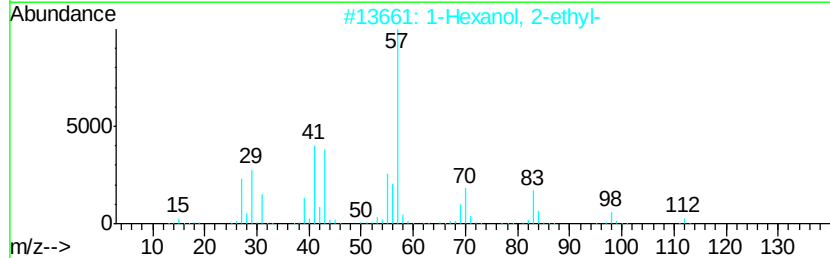
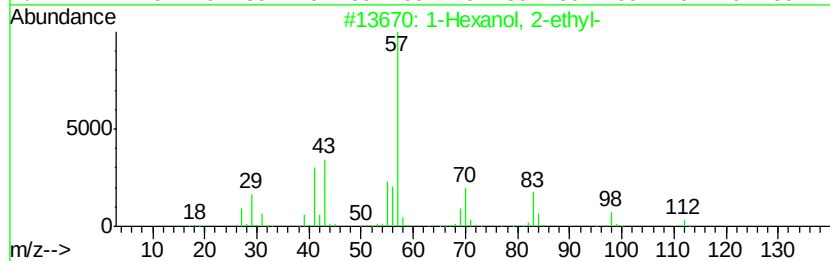
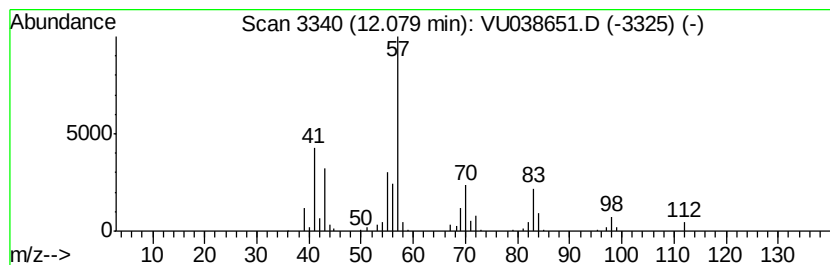
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.08 | 0.75 ug/L | 142145 | 1,4-Dichlorobenzene-d4 | 11.82 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1-Hexanol, 2-ethyl-             | 130 | C8H18O  | 000104-76-7  | 90   |
| 2    |    | 1-Hexanol, 2-ethyl-             | 130 | C8H18O  | 000104-76-7  | 83   |
| 3    |    | 1-Hexanol, 2-ethyl-             | 130 | C8H18O  | 000104-76-7  | 78   |
| 4    |    | 1-Hexanol, 2-ethyl-             | 130 | C8H18O  | 000104-76-7  | 72   |
| 5    |    | 2-Ethyl-1-hexanol, methyl ether | 144 | C9H20O  | 1000365-10-2 | 50   |



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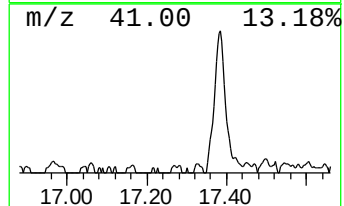
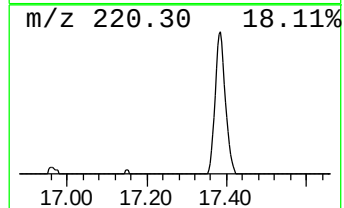
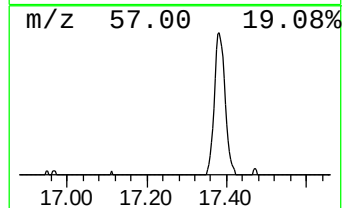
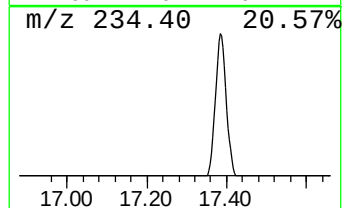
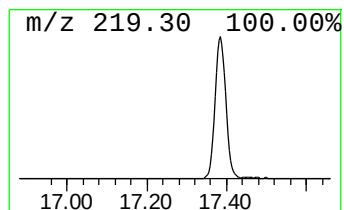
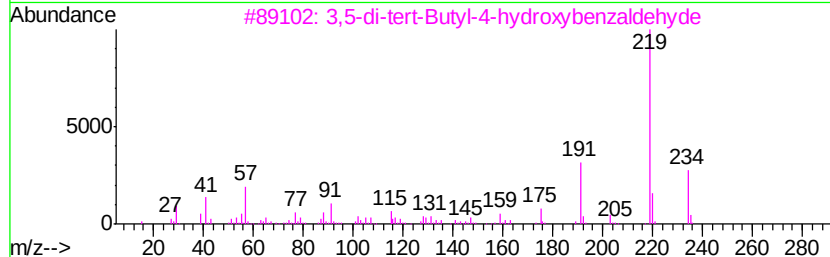
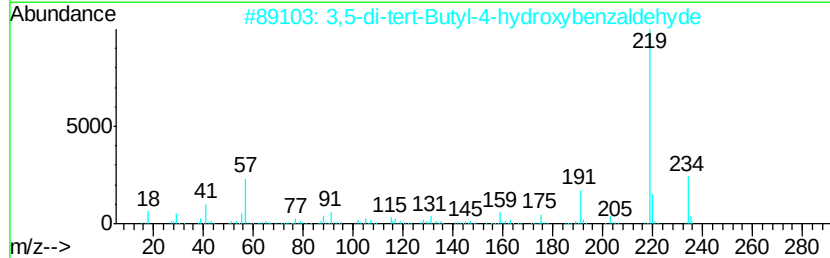
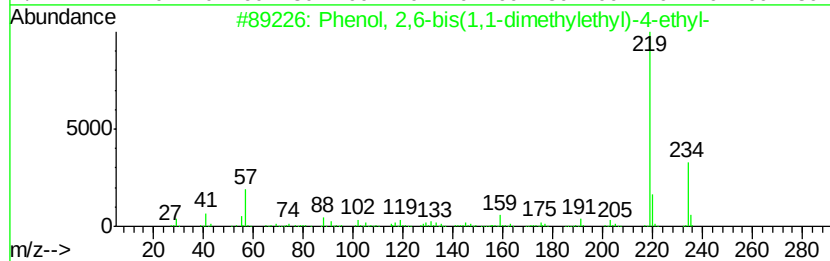
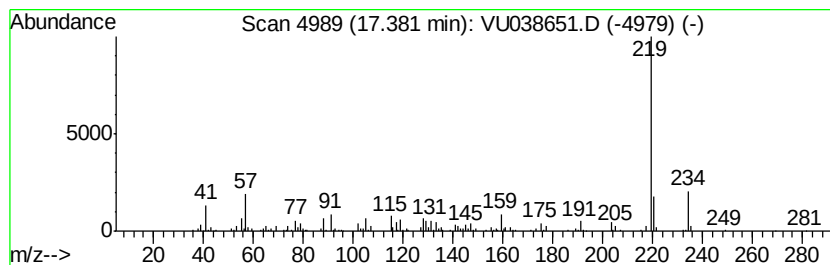
Instrument :  
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ClientSampleId :  
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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 5 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 17.38   | 0.90 ug/L                           | 169711       | 1,4-Dichlorobenzene-d4 | 11.82     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Phenol, 2,6-bis(1,1-dimethylethy... | 234 C16H26O  | 004130-42-1            | 96        |
| 2       | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 C15H22O2 | 001620-98-0            | 93        |
| 3       | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 C15H22O2 | 001620-98-0            | 91        |
| 4       | Phenol, 2,6-bis(1,1-dimethylethy... | 234 C16H26O  | 004130-42-1            | 91        |
| 5       | 4-tert-Butyl-2,6-diisopropylphenol  | 234 C16H26O  | 057354-65-1            | 87        |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Isopropyl Alcohol    | 2.87  | 0.6     | ug/L  | 83875    | 1                     | 6.28  | 755819 | 5.0  |
| Ethyl Acetate        | 4.84  | 0.7     | ug/L  | 112541   | 1                     | 6.28  | 755819 | 5.0  |
| 1-Hexanol, 2-ethyl-  | 12.08 | 0.8     | ug/L  | 142145   | 3                     | 11.82 | 943508 | 5.0  |
| Phenol, 2,6-bis(1... | 17.38 | 0.9     | ug/L  | 169711   | 3                     | 11.82 | 943508 | 5.0  |