

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082818\  
 Data File : VU026416.D  
 Acq On : 28 Aug 2018 22:57  
 Operator : MD/SY  
 Sample : J4633-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB3J8

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\SOMUTR082818WMA.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         | 1.088       | 137           | 155         | 180          | rBV      | 236283         | 265762        | 100.00%         | 12.269%       |
| 2         | 1.397       | 244           | 251         | 260          | rBV      | 31940          | 31894         | 12.00%          | 1.472%        |
| 3         | 1.471       | 269           | 274         | 280          | rBV2     | 3026           | 3278          | 1.23%           | 0.151%        |
| 4         | 1.680       | 331           | 339         | 354          | rVB      | 27997          | 34519         | 12.99%          | 1.594%        |
| 5         | 2.272       | 512           | 523         | 533          | rBV      | 55192          | 83475         | 31.41%          | 3.854%        |
| 6         | 2.323       | 534           | 539         | 549          | rVB      | 6428           | 10039         | 3.78%           | 0.463%        |
| 7         | 2.452       | 568           | 579         | 595          | rBV      | 18650          | 33612         | 12.65%          | 1.552%        |
| 8         | 2.841       | 690           | 700         | 716          | rVB4     | 3544           | 8047          | 3.03%           | 0.371%        |
| 9         | 4.201       | 1107          | 1123        | 1135         | rBV2     | 37427          | 104021        | 39.14%          | 4.802%        |
| 10        | 4.651       | 1247          | 1263        | 1283         | rVB      | 37097          | 87305         | 32.85%          | 4.030%        |
| 11        | 5.342       | 1456          | 1478        | 1497         | rBV3     | 73809          | 202079        | 76.04%          | 9.329%        |
| 12        | 5.889       | 1635          | 1648        | 1666         | rBV      | 71781          | 137120        | 51.60%          | 6.330%        |
| 13        | 6.336       | 1774          | 1787        | 1804         | rBV      | 51338          | 99492         | 37.44%          | 4.593%        |
| 14        | 7.230       | 2054          | 2065        | 2081         | rBV2     | 20952          | 36095         | 13.58%          | 1.666%        |
| 15        | 7.567       | 2157          | 2170        | 2188         | rBV      | 89407          | 154332        | 58.07%          | 7.125%        |
| 16        | 7.853       | 2249          | 2259        | 2276         | rBV      | 13195          | 21332         | 8.03%           | 0.985%        |
| 17        | 8.185       | 2350          | 2362        | 2376         | rBV      | 10030          | 22895         | 8.61%           | 1.057%        |
| 18        | 8.320       | 2393          | 2404        | 2429         | rBV      | 141560         | 249252        | 93.79%          | 11.507%       |
| 19        | 9.091       | 2630          | 2644        | 2659         | rBV      | 109476         | 177276        | 66.70%          | 8.184%        |
| 20        | 10.435      | 3051          | 3062        | 3076         | rBV      | 42521          | 64984         | 24.45%          | 3.000%        |
| 21        | 10.615      | 3108          | 3118        | 3138         | rBV5     | 3930           | 8854          | 3.33%           | 0.409%        |
| 22        | 11.487      | 3377          | 3389        | 3401         | rBV      | 101379         | 154815        | 58.25%          | 7.147%        |
| 23        | 11.747      | 3460          | 3470        | 3484         | rBV2     | 14893          | 24256         | 9.13%           | 1.120%        |
| 24        | 11.863      | 3495          | 3506        | 3523         | rBV      | 94997          | 151442        | 56.98%          | 6.991%        |

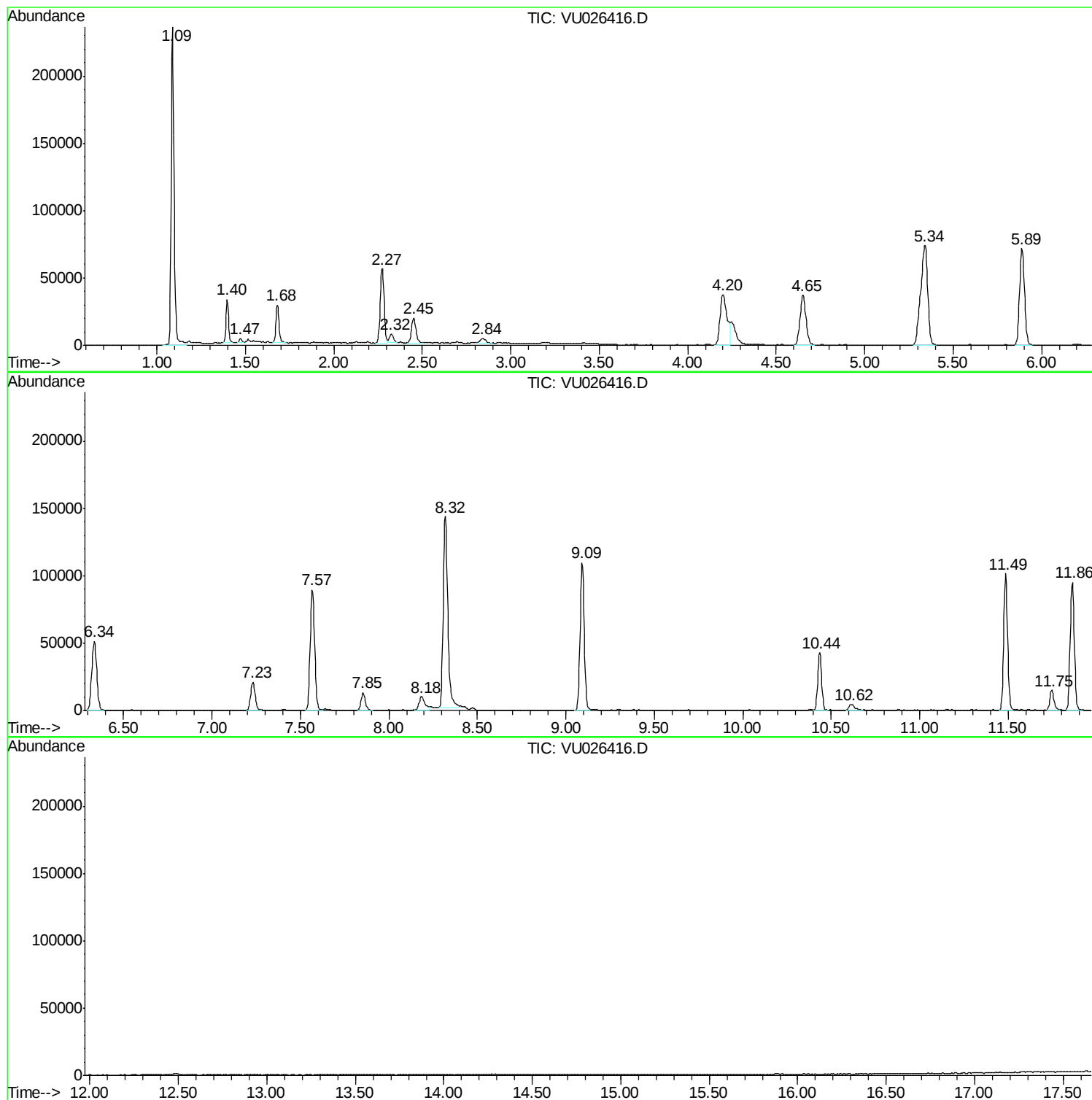
Sum of corrected areas: 2166176

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Instrument :  
MSVOA\_U  
ClientSampleId :  
DB3J8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR082818WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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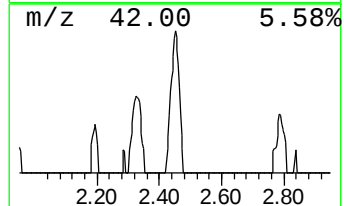
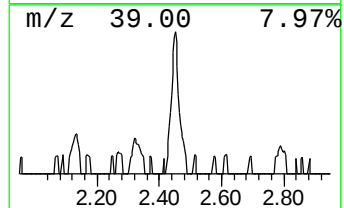
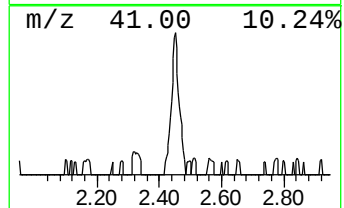
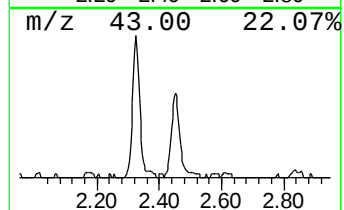
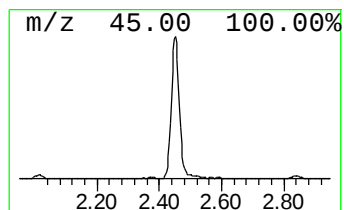
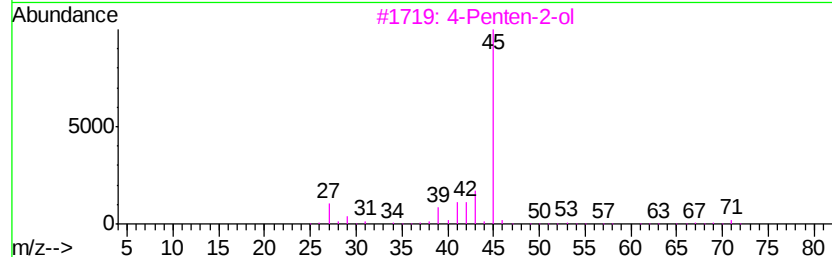
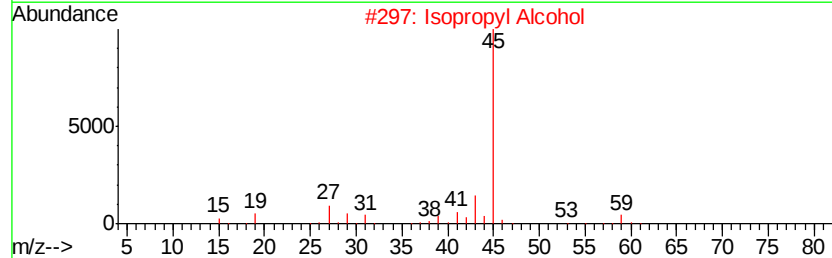
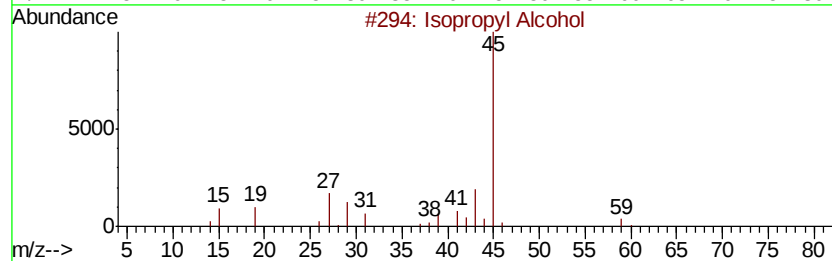
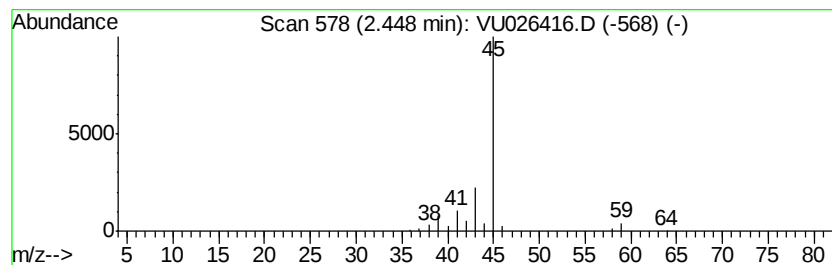
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Isopropyl Alcohol Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.45 | 1.23 ug/L | 33612 | 1,4-Difluorobenzene | 5.89 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 64   |
| 2    |    | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 43   |
| 3    |    | 4-Penten-2-ol     | 86 | C5H10O  | 000625-31-0 | 9    |
| 4    |    | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 9    |
| 5    |    | Ethylamine        | 45 | C2H7N   | 000075-04-7 | 5    |



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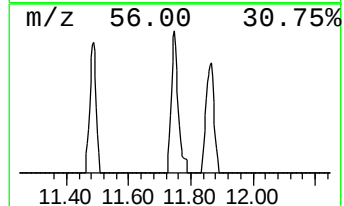
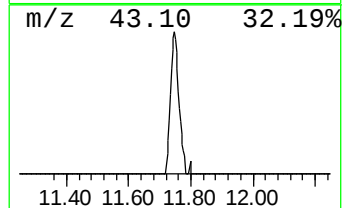
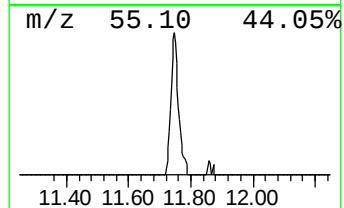
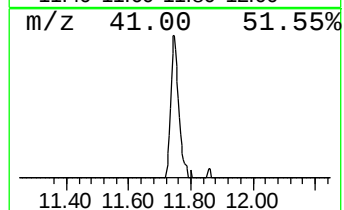
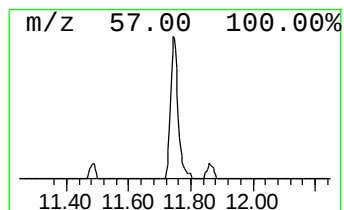
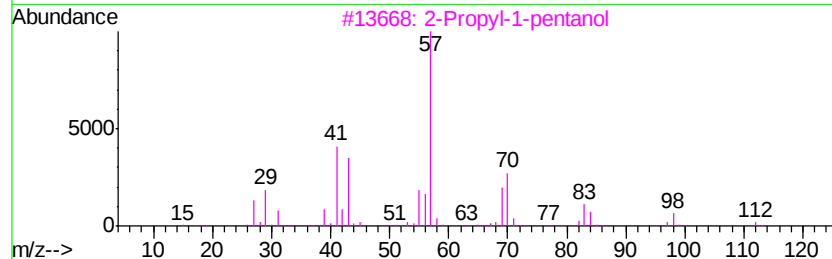
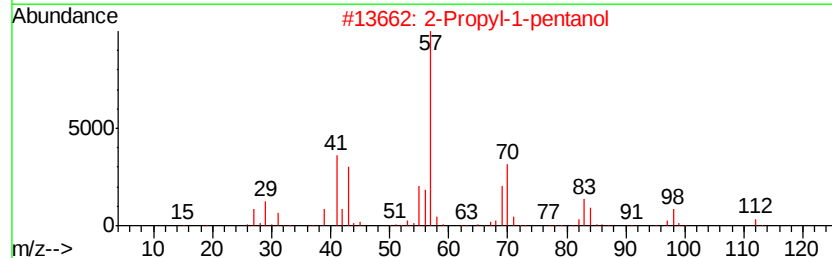
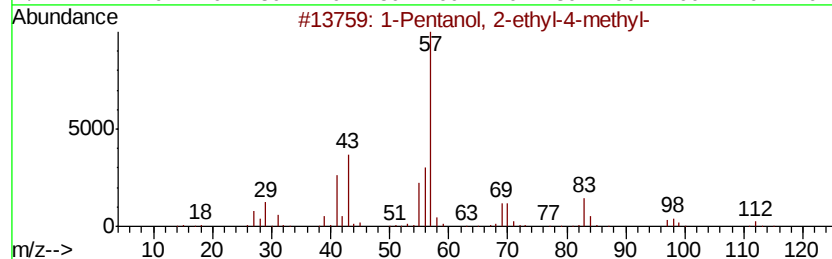
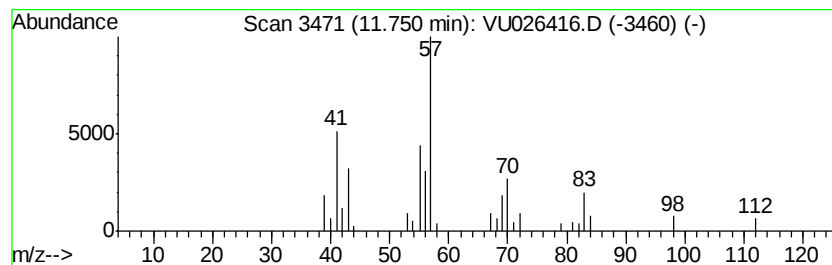
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 1-Pentanol, 2-ethyl-4-methyl- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 11.75 | 0.78 ug/L | 24256 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------|-----|---------|-------------|------|
| 1       |   | 1-Pentanol, 2-ethyl-4-methyl- | 130 | C8H18O  | 000106-67-2 | 64   |
| 2       |   | 2-Propyl-1-pentanol           | 130 | C8H18O  | 058175-57-8 | 53   |
| 3       |   | 2-Propyl-1-pentanol           | 130 | C8H18O  | 058175-57-8 | 53   |
| 4       |   | 1-Hexanol, 2-ethyl-           | 130 | C8H18O  | 000104-76-7 | 50   |
| 5       |   | 1-Hexanol, 2-ethyl-           | 130 | C8H18O  | 000104-76-7 | 50   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Isopropyl Alcohol    | 2.45  | 1.2     | ug/L  | 33612    | 1                     | 5.89  | 137120 | 5.0  |
| 1-Pentanol, 2-eth... | 11.75 | 0.8     | ug/L  | 24256    | 3                     | 11.49 | 154815 | 5.0  |