

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082818\  
 Data File : VU026414.D  
 Acq On : 28 Aug 2018 22:08  
 Operator : MD/SY  
 Sample : J4633-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB3J7

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       | 139           | 155         | 175          | rBV      | 253223         | 279712        | 100.00%         | 12.626%       |
| 2         | 1.397       | 244           | 251         | 262          | rVB      | 32268          | 32665         | 11.68%          | 1.474%        |
| 3         | 1.471       | 266           | 274         | 282          | rBV2     | 3210           | 3901          | 1.39%           | 0.176%        |
| 4         | 1.680       | 331           | 339         | 349          | rBV      | 27678          | 33803         | 12.08%          | 1.526%        |
| 5         | 2.272       | 512           | 523         | 533          | rBV      | 54831          | 83469         | 29.84%          | 3.768%        |
| 6         | 2.326       | 533           | 540         | 549          | rVB      | 5503           | 8816          | 3.15%           | 0.398%        |
| 7         | 2.452       | 568           | 579         | 598          | rVB      | 13128          | 24666         | 8.82%           | 1.113%        |
| 8         | 2.841       | 693           | 700         | 711          | rVB4     | 2705           | 5114          | 1.83%           | 0.231%        |
| 9         | 4.214       | 1108          | 1127        | 1165         | rBV3     | 41516          | 170949        | 61.12%          | 7.716%        |
| 10        | 4.651       | 1247          | 1263        | 1282         | rBV2     | 37624          | 87451         | 31.26%          | 3.947%        |
| 11        | 5.339       | 1457          | 1477        | 1500         | rBV2     | 73681          | 202143        | 72.27%          | 9.124%        |
| 12        | 5.889       | 1635          | 1648        | 1673         | rBV      | 73291          | 140194        | 50.12%          | 6.328%        |
| 13        | 6.188       | 1727          | 1741        | 1753         | rBV3     | 12143          | 22829         | 8.16%           | 1.030%        |
| 14        | 6.336       | 1773          | 1787        | 1806         | rVB      | 51572          | 99754         | 35.66%          | 4.503%        |
| 15        | 7.230       | 2054          | 2065        | 2080         | rBV2     | 20564          | 35443         | 12.67%          | 1.600%        |
| 16        | 7.567       | 2158          | 2170        | 2186         | rBV      | 91641          | 155355        | 55.54%          | 7.012%        |
| 17        | 7.853       | 2250          | 2259        | 2275         | rVB2     | 12605          | 20859         | 7.46%           | 0.942%        |
| 18        | 8.184       | 2349          | 2362        | 2382         | rBV3     | 10467          | 28402         | 10.15%          | 1.282%        |
| 19        | 8.320       | 2392          | 2404        | 2429         | rBV      | 122116         | 218708        | 78.19%          | 9.872%        |
| 20        | 8.471       | 2445          | 2451        | 2467         | rVB5     | 3861           | 6474          | 2.31%           | 0.292%        |
| 21        | 9.091       | 2632          | 2644        | 2663         | rBV      | 111328         | 179243        | 64.08%          | 8.091%        |
| 22        | 10.435      | 3050          | 3062        | 3077         | rBV      | 38409          | 60068         | 21.47%          | 2.711%        |
| 23        | 10.615      | 3107          | 3118        | 3126         | rBV4     | 3675           | 7408          | 2.65%           | 0.334%        |
| 24        | 11.487      | 3377          | 3389        | 3408         | rBV      | 100595         | 156613        | 55.99%          | 7.069%        |
| 25        | 11.747      | 3462          | 3470        | 3480         | rVB3     | 4693           | 7278          | 2.60%           | 0.329%        |
| 26        | 11.863      | 3494          | 3506        | 3525         | rBV      | 91178          | 144085        | 51.51%          | 6.504%        |

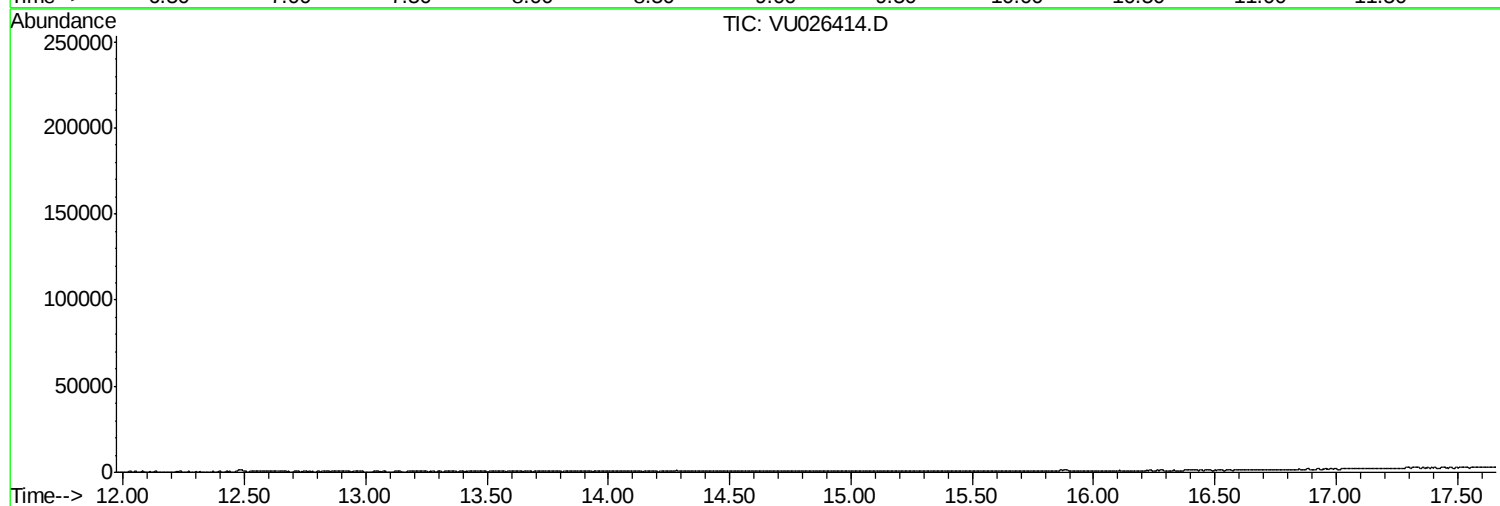
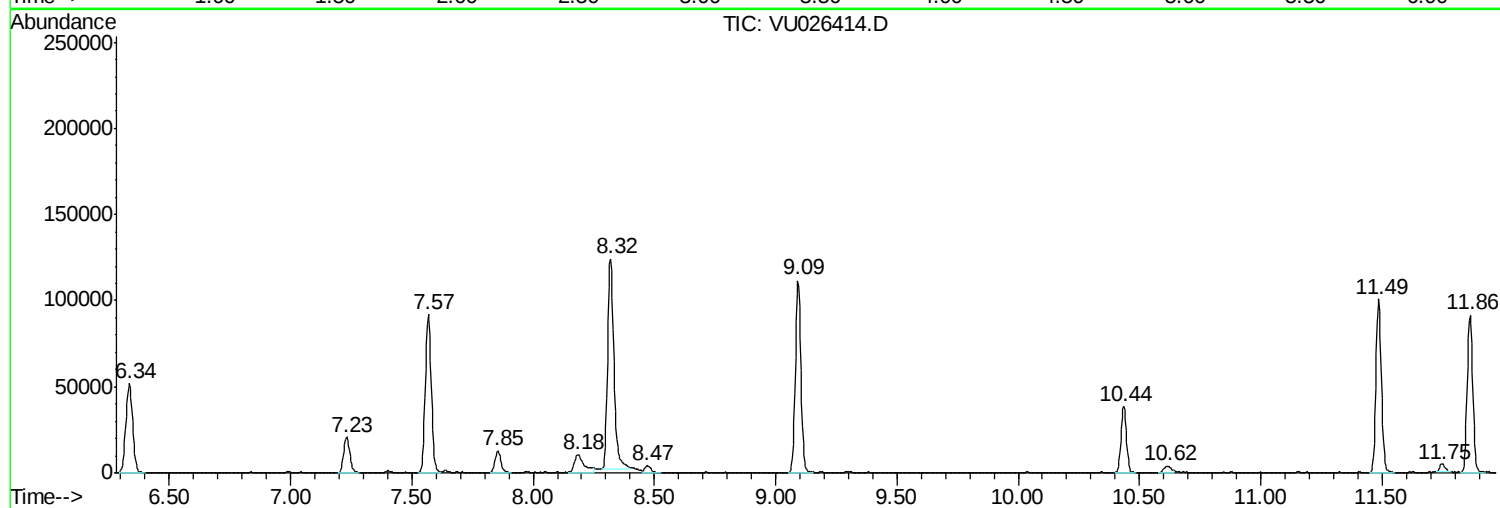
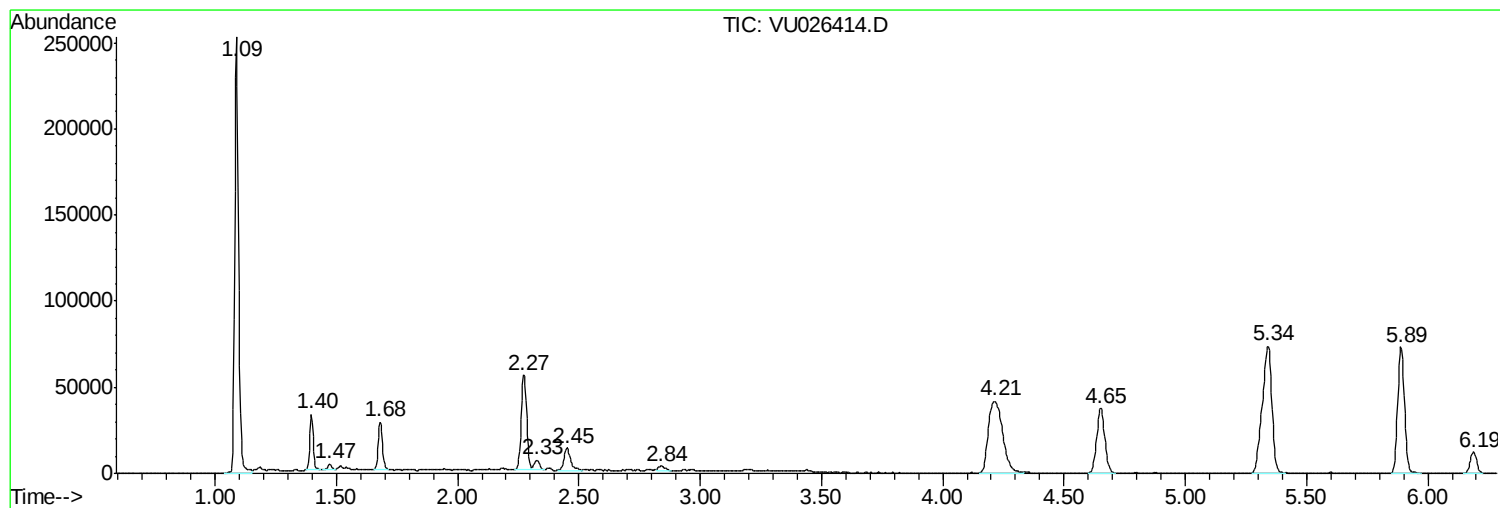
Sum of corrected areas: 2215402

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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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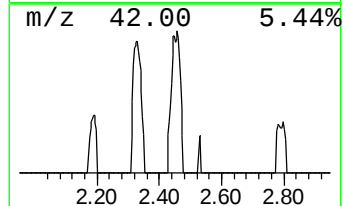
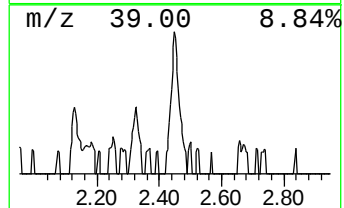
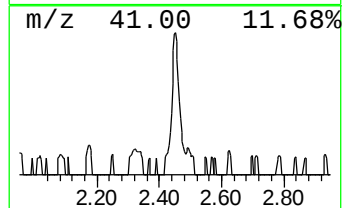
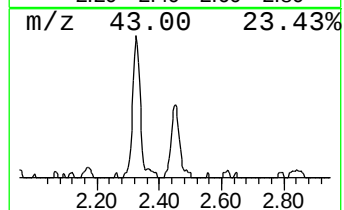
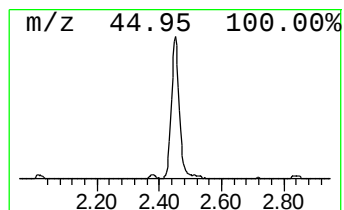
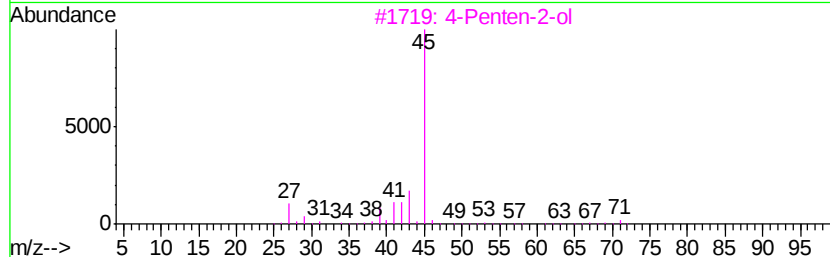
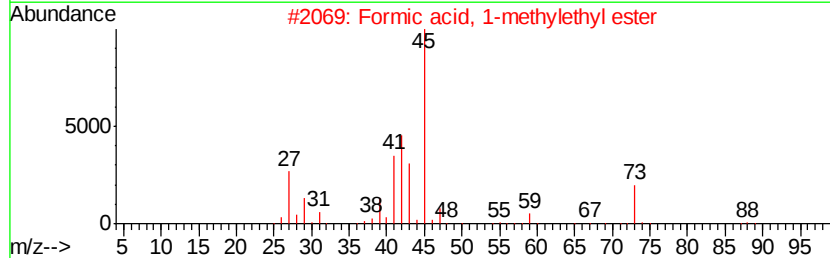
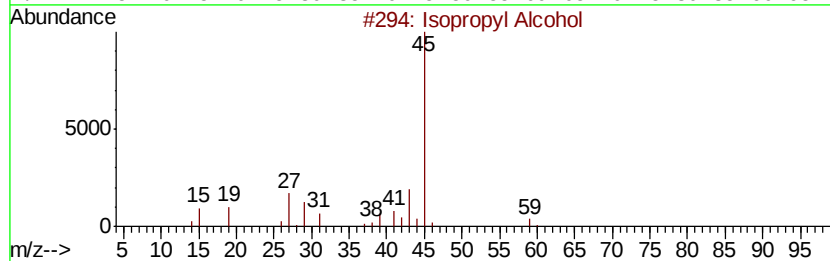
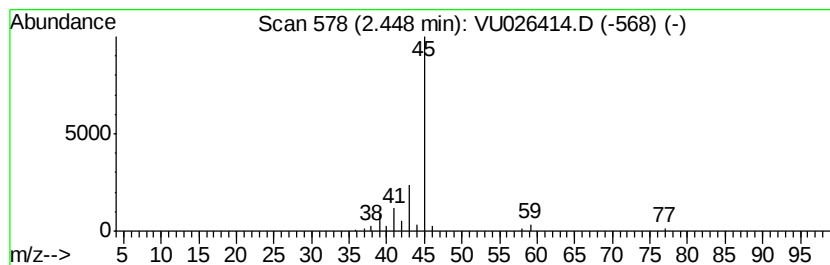
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 unknown-01 Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.45 | 0.88 ug/L | 24666 | 1,4-Difluorobenzene | 5.89 |

| Hit# | of | 5 | Tentative ID                     | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol                | 60 | C3H8O   | 000067-63-0 | 43   |
| 2    |    |   | Formic acid, 1-methylethyl ester | 88 | C4H8O2  | 000625-55-8 | 43   |
| 3    |    |   | 4-Penten-2-ol                    | 86 | C5H10O  | 000625-31-0 | 39   |
| 4    |    |   | Hydrazine, propyl-               | 74 | C3H10N2 | 005039-61-2 | 9    |
| 5    |    |   | (R)-(-)-2-Pentanol               | 88 | C5H12O  | 031087-44-2 | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown-01       | 2.45 | 0.9     | ug/L  | 24666    | 1                     | 5.89 | 140194 | 5.0  |