

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\  
 Data File : VV008303.D  
 Acq On : 16 Oct 2018 17:48  
 Operator : SY/MD  
 Sample : J5406-14  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AK8

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\SOMVTR101518WMA.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         | 1.222       | 37            | 41          | 46           | rBV      | 12770          | 11000         | 3.15%           | 0.429%        |
| 2         | 1.319       | 62            | 71          | 80           | rBV      | 39617          | 43443         | 12.44%          | 1.695%        |
| 3         | 1.582       | 147           | 153         | 161          | rVB      | 32950          | 36329         | 10.40%          | 1.417%        |
| 4         | 2.129       | 315           | 323         | 335          | rBV      | 63720          | 89091         | 25.51%          | 3.475%        |
| 5         | 3.991       | 884           | 902         | 947          | rBV2     | 30181          | 142677        | 40.85%          | 5.566%        |
| 6         | 4.405       | 1016          | 1031        | 1049         | rBV      | 49229          | 117974        | 33.78%          | 4.602%        |
| 7         | 5.097       | 1229          | 1246        | 1266         | rBV3     | 130900         | 300385        | 86.00%          | 11.718%       |
| 8         | 5.666       | 1409          | 1423        | 1446         | rBV      | 105783         | 210083        | 60.15%          | 8.195%        |
| 9         | 5.946       | 1501          | 1510        | 1523         | rVB5     | 7248           | 14517         | 4.16%           | 0.566%        |
| 10        | 6.122       | 1550          | 1565        | 1580         | rBV2     | 72644          | 149199        | 42.72%          | 5.820%        |
| 11        | 7.032       | 1833          | 1848        | 1865         | rBV      | 36451          | 65332         | 18.70%          | 2.549%        |
| 12        | 7.196       | 1888          | 1899        | 1915         | rBV2     | 13156          | 26008         | 7.45%           | 1.015%        |
| 13        | 7.360       | 1938          | 1950        | 1966         | rBV      | 143405         | 249985        | 71.57%          | 9.752%        |
| 14        | 7.669       | 2031          | 2046        | 2063         | rBV      | 21410          | 38700         | 11.08%          | 1.510%        |
| 15        | 8.019       | 2148          | 2155        | 2167         | rVB4     | 6736           | 10497         | 3.01%           | 0.409%        |
| 16        | 8.148       | 2182          | 2195        | 2225         | rBV4     | 133358         | 349287        | 100.00%         | 13.626%       |
| 17        | 8.293       | 2234          | 2240        | 2248         | rVB7     | 3292           | 4870          | 1.39%           | 0.190%        |
| 18        | 8.897       | 2416          | 2428        | 2448         | rBV      | 148031         | 245781        | 70.37%          | 9.588%        |
| 19        | 10.264      | 2841          | 2853        | 2867         | rBV      | 40450          | 65722         | 18.82%          | 2.564%        |
| 20        | 11.299      | 3164          | 3175        | 3199         | rVB      | 109110         | 199884        | 57.23%          | 7.797%        |
| 21        | 11.585      | 3252          | 3264        | 3277         | rBV5     | 4550           | 9379          | 2.69%           | 0.366%        |
| 22        | 11.675      | 3281          | 3292        | 3316         | rVB      | 104693         | 183301        | 52.48%          | 7.151%        |

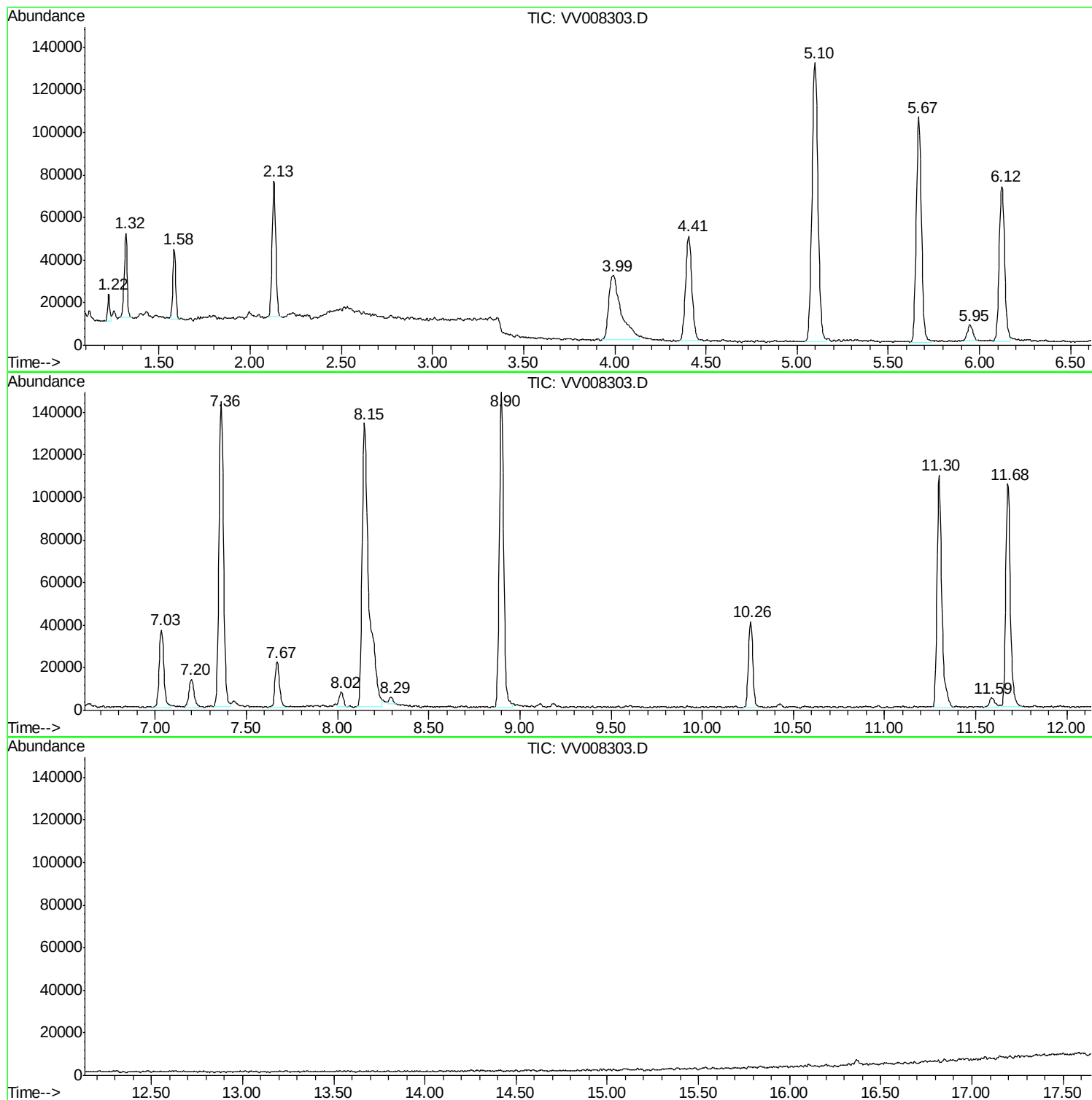
Sum of corrected areas: 2563444

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Instrument :  
MSVOA\_V  
ClientSampled :  
C0AK8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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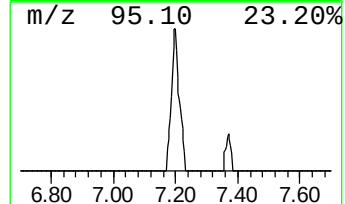
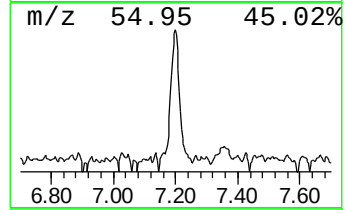
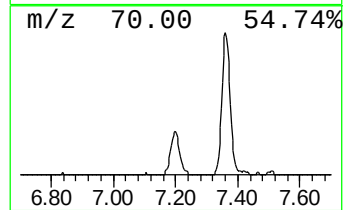
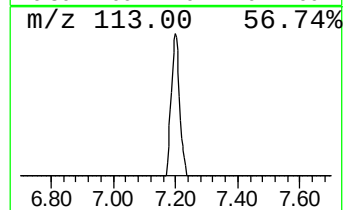
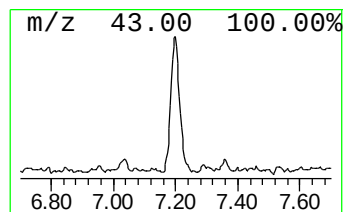
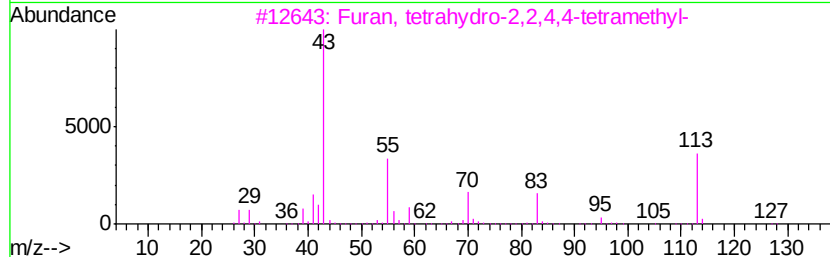
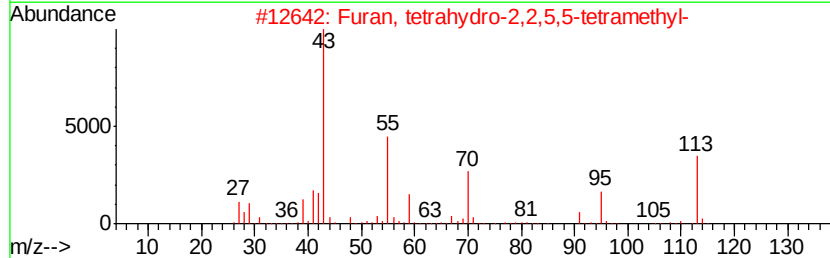
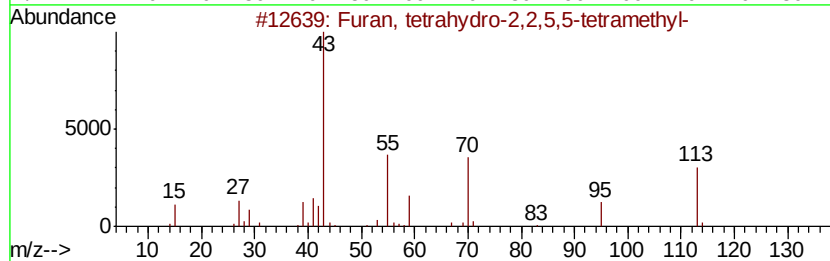
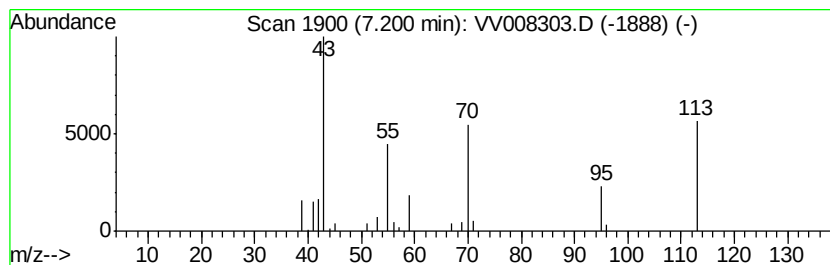
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 7.20 | 0.62 ug/L | 26008 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|--------------|--------------|------|
| 1    |    |   | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O       | 015045-43-9  | 83   |
| 2    |    |   | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O       | 015045-43-9  | 59   |
| 3    |    |   | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O       | 003358-28-9  | 40   |
| 4    |    |   | Ethosuximide                        | 141 | C7H11NO2     | 000077-67-8  | 38   |
| 5    |    |   | Piperazine, 1-[(2,4-dichlorobenz... | 286 | C13H16Cl2N2O | 1000137-95-1 | 37   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Furan, tetrahydro... | 7.20 | 0.6     | ug/L  | 26008    | 1                     | 5.67 | 210083 | 5.0  |