

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\  
 Data File : VV013744.D  
 Acq On : 22 Nov 2019 19:23  
 Operator : SY/MD  
 Sample : K5941-09  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 B0AC1

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\SOMVTR112219WMA.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         | 1.209       | 31            | 37          | 47           | rBV2     | 61521          | 114464        | 1.31%           | 0.556%        |
| 2         | 1.315       | 63            | 70          | 81           | rVB      | 188146         | 200212        | 2.30%           | 0.972%        |
| 3         | 1.582       | 145           | 153         | 167          | rVB      | 157265         | 187305        | 2.15%           | 0.910%        |
| 4         | 2.135       | 311           | 325         | 335          | rBV4     | 691669         | 1135547       | 13.04%          | 5.516%        |
| 5         | 2.302       | 368           | 377         | 393          | rBV2     | 61405          | 118306        | 1.36%           | 0.575%        |
| 6         | 2.991       | 579           | 591         | 607          | rBV      | 48629          | 100185        | 1.15%           | 0.487%        |
| 7         | 3.228       | 650           | 665         | 680          | rBV      | 233189         | 491196        | 5.64%           | 2.386%        |
| 8         | 3.926       | 869           | 882         | 910          | rBV2     | 170899         | 561097        | 6.45%           | 2.725%        |
| 9         | 4.396       | 1010          | 1028        | 1053         | rBV      | 227404         | 587773        | 6.75%           | 2.855%        |
| 10        | 5.093       | 1224          | 1245        | 1266         | rBV2     | 479670         | 1199294       | 13.78%          | 5.825%        |
| 11        | 5.659       | 1408          | 1421        | 1442         | rBV      | 376861         | 736706        | 8.46%           | 3.578%        |
| 12        | 5.955       | 1495          | 1513        | 1549         | rBV      | 4573093        | 8704991       | 100.00%         | 42.282%       |
| 13        | 6.113       | 1550          | 1562        | 1581         | rVB      | 281740         | 572890        | 6.58%           | 2.783%        |
| 14        | 7.026       | 1832          | 1846        | 1864         | rBV      | 139064         | 253410        | 2.91%           | 1.231%        |
| 15        | 7.177       | 1881          | 1893        | 1908         | rBV2     | 49673          | 104448        | 1.20%           | 0.507%        |
| 16        | 7.357       | 1934          | 1949        | 1967         | rBV      | 592763         | 1026943       | 11.80%          | 4.988%        |
| 17        | 7.662       | 2032          | 2044        | 2059         | rBV2     | 84413          | 152111        | 1.75%           | 0.739%        |
| 18        | 8.129       | 2176          | 2189        | 2223         | rBV      | 552050         | 1232883       | 14.16%          | 5.988%        |
| 19        | 8.891       | 2411          | 2426        | 2449         | rBV      | 588262         | 963233        | 11.07%          | 4.679%        |
| 20        | 10.257      | 2840          | 2851        | 2869         | rVB      | 220735         | 357780        | 4.11%           | 1.738%        |
| 21        | 11.289      | 3161          | 3172        | 3195         | rBV      | 550973         | 871210        | 10.01%          | 4.232%        |
| 22        | 11.665      | 3277          | 3289        | 3308         | rBV      | 571897         | 915875        | 10.52%          | 4.449%        |

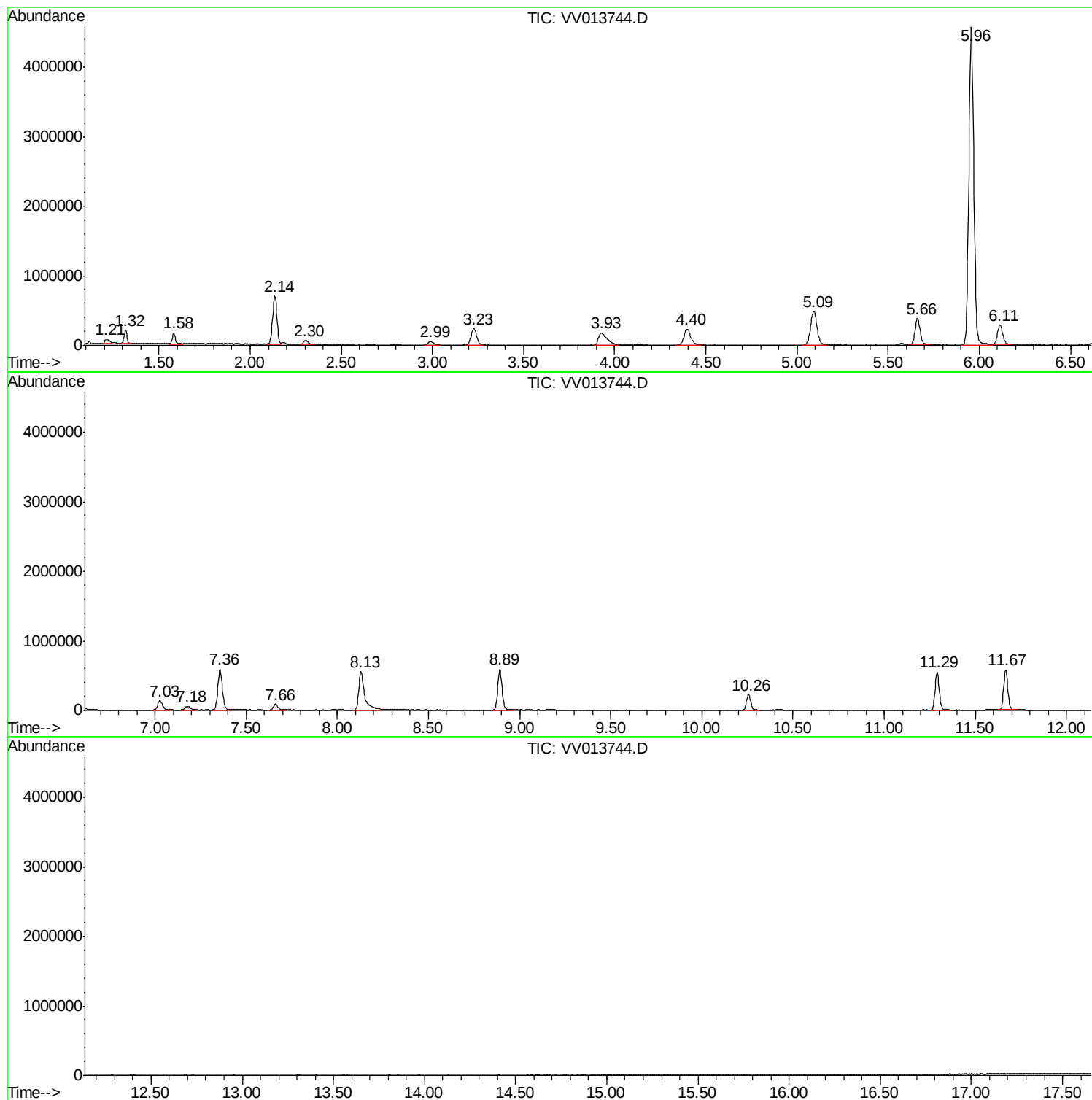
Sum of corrected areas: 20587859

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Instrument :  
MSVOA\_V  
ClientSampleId :  
B0AC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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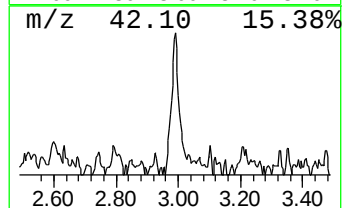
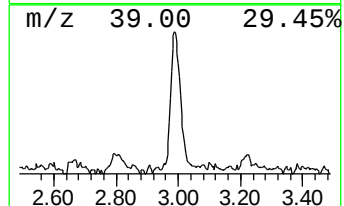
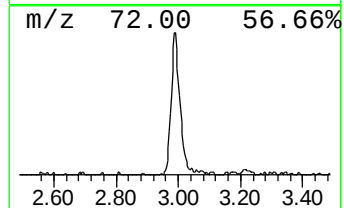
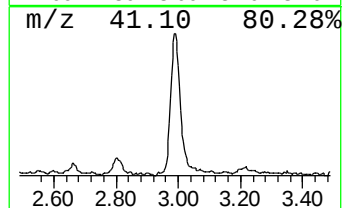
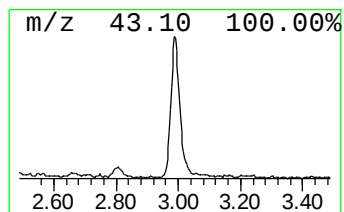
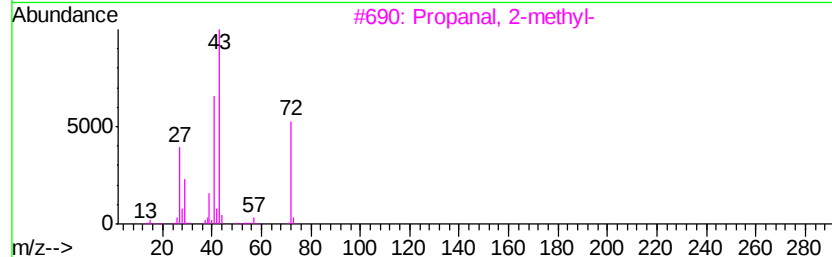
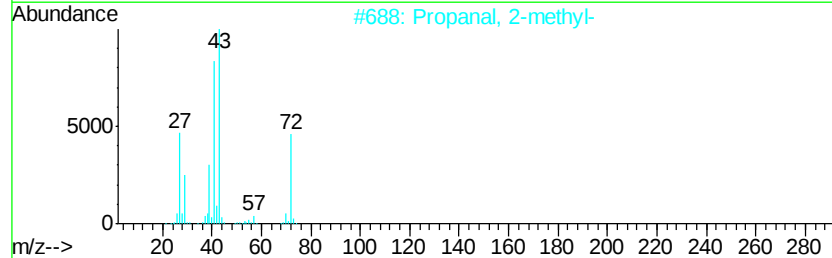
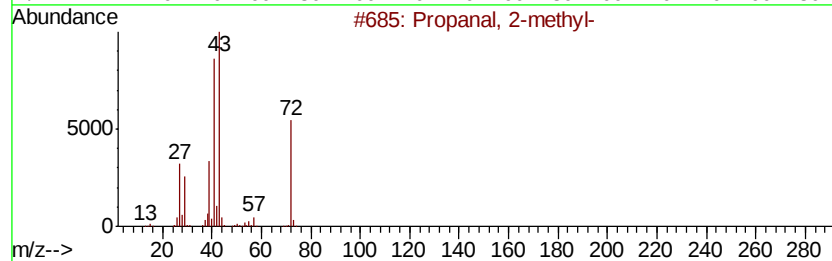
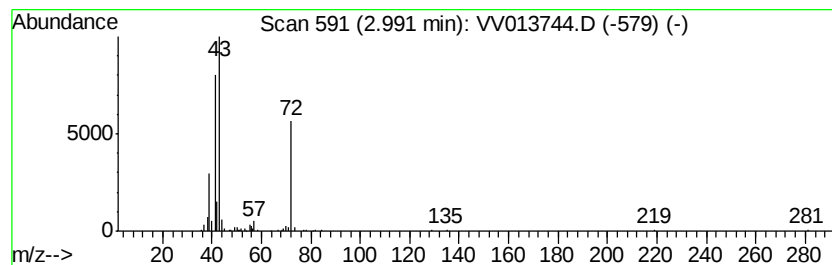
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propanal, 2-methyl- Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.99 | 0.68 ug/L | 100185 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID        | MW | MolForm | CAS#        | Qual |
|------|----|---------------------|----|---------|-------------|------|
| 1    | 5  | Propanal, 2-methyl- | 72 | C4H8O   | 000078-84-2 | 87   |
| 2    |    | Propanal, 2-methyl- | 72 | C4H8O   | 000078-84-2 | 80   |
| 3    |    | Propanal, 2-methyl- | 72 | C4H8O   | 000078-84-2 | 72   |
| 4    |    | Butanal             | 72 | C4H8O   | 000123-72-8 | 50   |
| 5    |    | Isobutylene epoxide | 72 | C4H8O   | 000558-30-5 | 47   |



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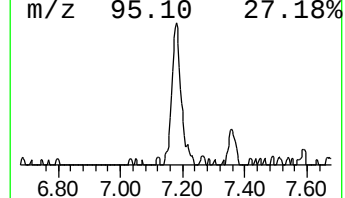
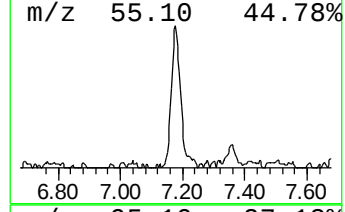
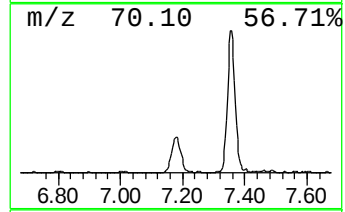
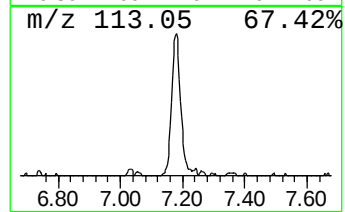
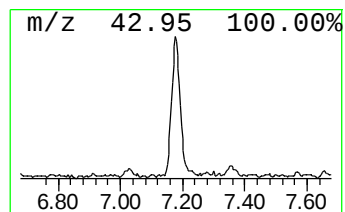
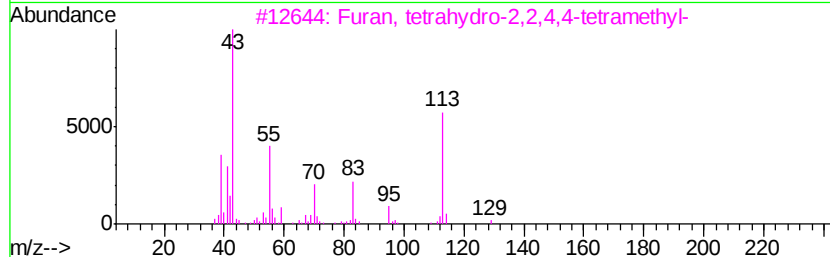
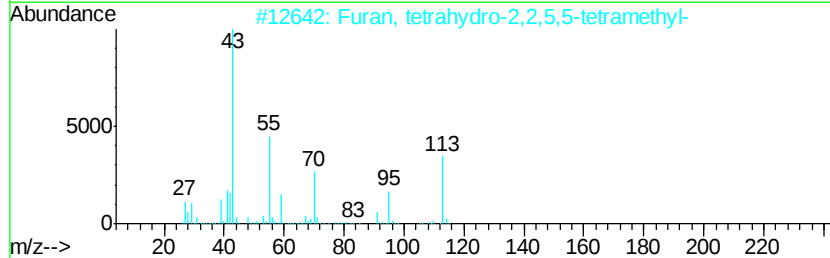
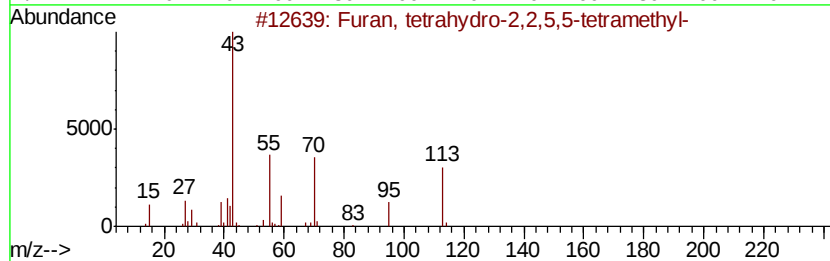
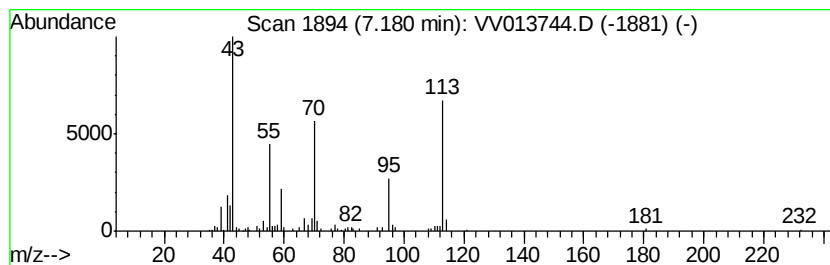
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 7.18 | 0.71 ug/L | 104448 | 1,4-Difluorobenzene | 5.66 |

| 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 | 72      |      |      |
| 3    | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O       | 003358-28-9 | 53      |      |      |
| 4    | Ethosuximide                        | 141 | C7H11NO2     | 000077-67-8 | 47      |      |      |
| 5    | (S)-2,6-Dioxohexahydro-4-pyrimid... | 158 | C5H6N2O4     | 005988-19-2 | 47      |      |      |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Propanal, 2-methyl-  | 2.99 | 0.7     | ug/L  | 100185   | 1                     | 5.66 | 736706 | 5.0  |
| Furan, tetrahydro... | 7.18 | 0.7     | ug/L  | 104448   | 1                     | 5.66 | 736706 | 5.0  |