

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082018\  
 Data File : VV007068.D  
 Acq On : 20 Aug 2018 13:02  
 Operator : SY/MD  
 Sample : J4515-04  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0327

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\SOMVTR080918WMA.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         | 1.032       | 28            | 44          | 68           | rBV      | 1837225        | 2422042       | 100.00%         | 23.892%       |
| 2         | 1.222       | 97            | 103         | 111          | rVB      | 145531         | 131214        | 5.42%           | 1.294%        |
| 3         | 1.318       | 124           | 133         | 143          | rVB      | 126152         | 142514        | 5.88%           | 1.406%        |
| 4         | 1.585       | 209           | 216         | 225          | rBV      | 117620         | 130507        | 5.39%           | 1.287%        |
| 5         | 2.132       | 376           | 386         | 399          | rBV      | 221557         | 322188        | 13.30%          | 3.178%        |
| 6         | 2.205       | 403           | 409         | 422          | rVB      | 23969          | 44384         | 1.83%           | 0.438%        |
| 7         | 2.540       | 503           | 513         | 528          | rVB      | 97886          | 157921        | 6.52%           | 1.558%        |
| 8         | 3.967       | 941           | 957         | 1003         | rBV      | 106362         | 415656        | 17.16%          | 4.100%        |
| 9         | 4.405       | 1073          | 1093        | 1120         | rBV      | 169112         | 427349        | 17.64%          | 4.216%        |
| 10        | 5.099       | 1289          | 1309        | 1334         | rBV2     | 389391         | 940184        | 38.82%          | 9.274%        |
| 11        | 5.668       | 1470          | 1486        | 1513         | rBV      | 298632         | 598736        | 24.72%          | 5.906%        |
| 12        | 6.125       | 1612          | 1628        | 1647         | rBV      | 221734         | 450028        | 18.58%          | 4.439%        |
| 13        | 7.035       | 1897          | 1911        | 1931         | rBV      | 65920          | 121387        | 5.01%           | 1.197%        |
| 14        | 7.363       | 2001          | 2013        | 2026         | rBV      | 356797         | 629299        | 25.98%          | 6.208%        |
| 15        | 7.437       | 2027          | 2036        | 2049         | rVB      | 61597          | 109421        | 4.52%           | 1.079%        |
| 16        | 7.668       | 2096          | 2108        | 2130         | rBV      | 39759          | 74198         | 3.06%           | 0.732%        |
| 17        | 8.151       | 2245          | 2258        | 2295         | rBV4     | 267341         | 805917        | 33.27%          | 7.950%        |
| 18        | 8.292       | 2296          | 2302        | 2316         | rVB7     | 18169          | 34737         | 1.43%           | 0.343%        |
| 19        | 8.900       | 2477          | 2491        | 2515         | rBV      | 424107         | 722645        | 29.84%          | 7.128%        |
| 20        | 9.186       | 2568          | 2580        | 2592         | rBV2     | 21074          | 37027         | 1.53%           | 0.365%        |
| 21        | 9.594       | 2698          | 2707        | 2718         | rBV6     | 15514          | 28514         | 1.18%           | 0.281%        |
| 22        | 10.266      | 2905          | 2916        | 2930         | rBV      | 151520         | 246020        | 10.16%          | 2.427%        |
| 23        | 11.302      | 3226          | 3238        | 3260         | rBV      | 312661         | 572427        | 23.63%          | 5.647%        |
| 24        | 11.597      | 3318          | 3330        | 3343         | rBV5     | 16761          | 35767         | 1.48%           | 0.353%        |
| 25        | 11.678      | 3343          | 3355        | 3382         | rVB      | 297956         | 537361        | 22.19%          | 5.301%        |

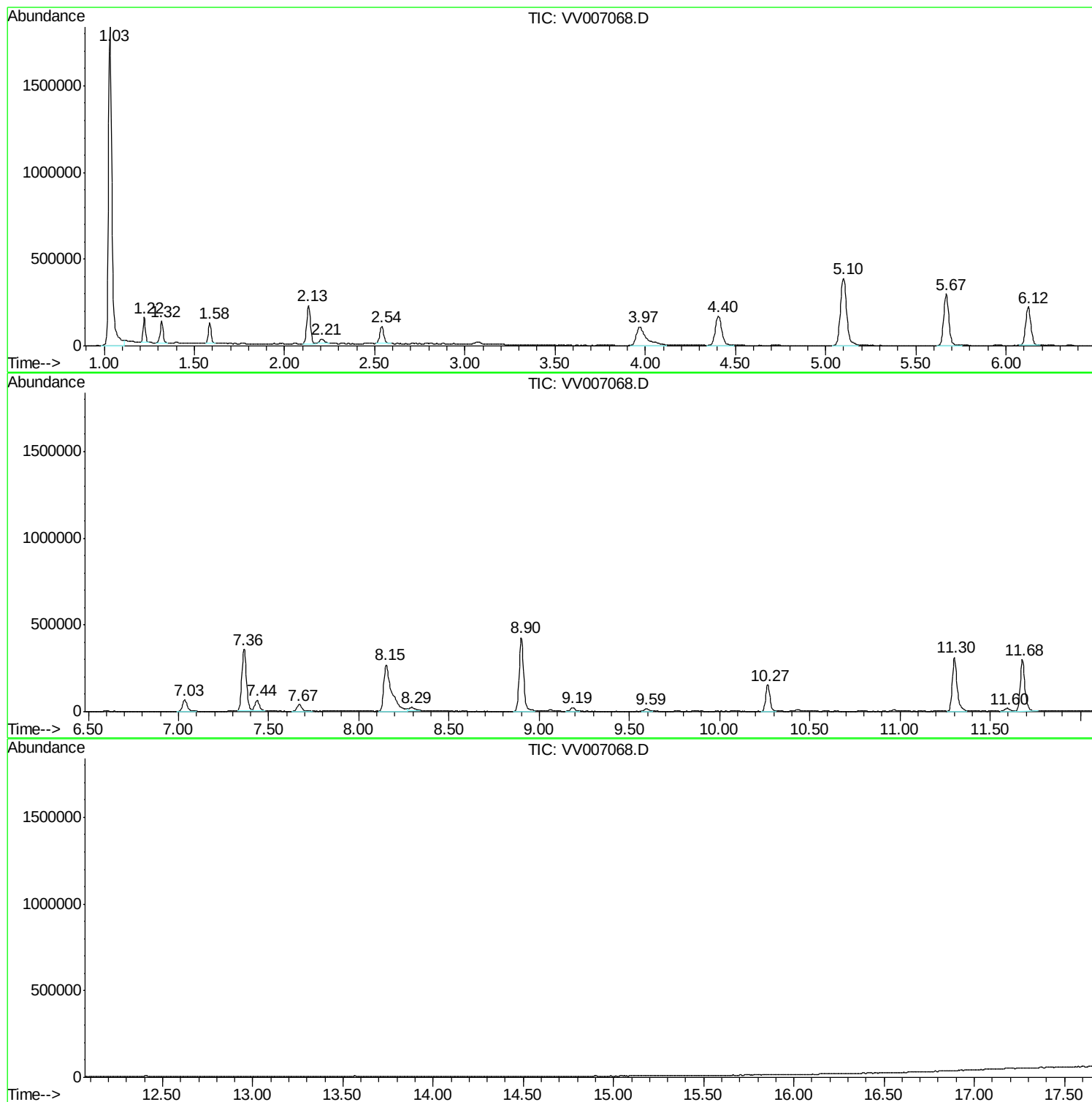
Sum of corrected areas: 10137443

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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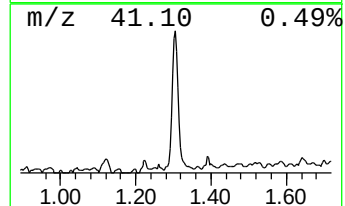
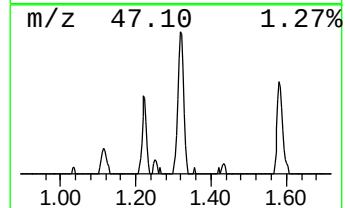
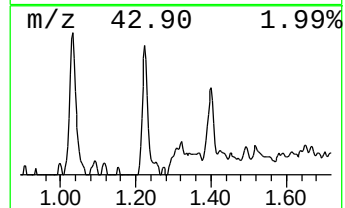
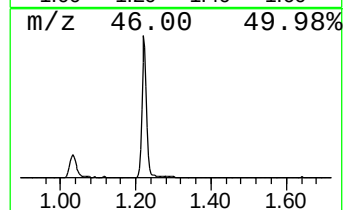
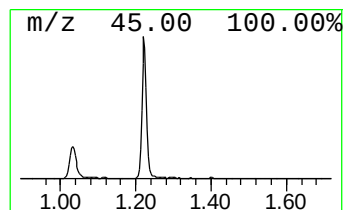
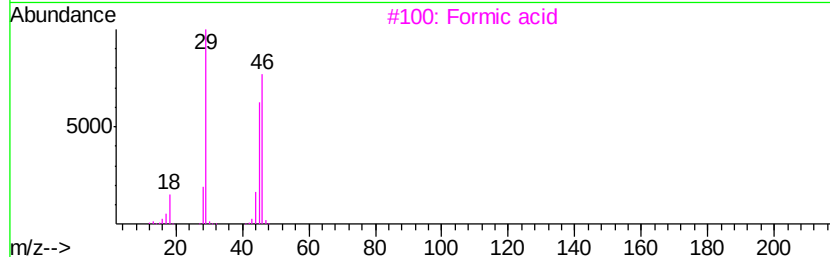
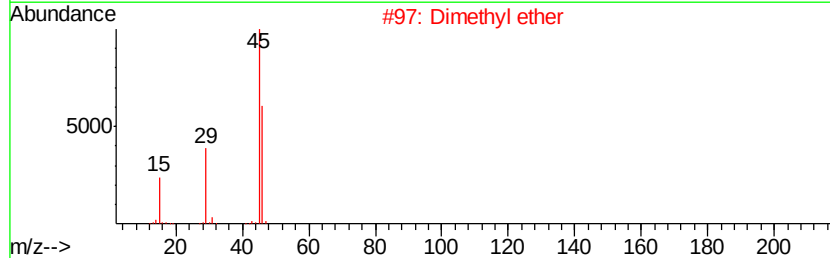
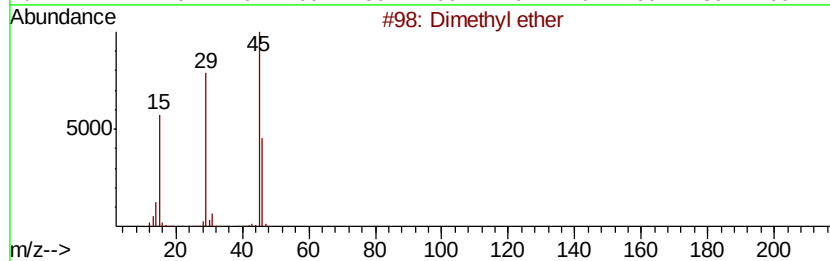
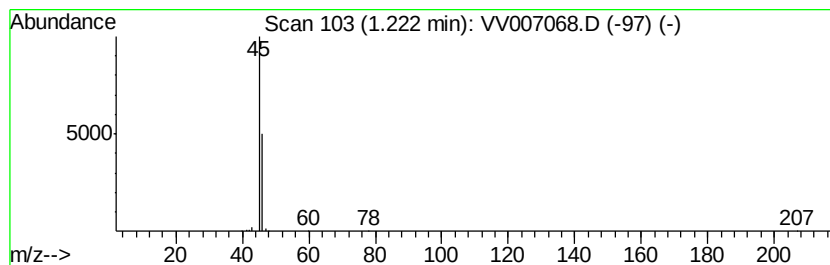
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Dimethyl ether Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.22 | 1.10 ug/L | 131214 | 1,4-Difluorobenzene | 5.67 |

| Hit# of | 5              | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|----------------|--------------|----|---------|-------------|------|
| 1       | Dimethyl ether |              | 46 | C2H6O   | 000115-10-6 | 64   |
| 2       | Dimethyl ether |              | 46 | C2H6O   | 000115-10-6 | 9    |
| 3       | Formic acid    |              | 46 | CH2O2   | 000064-18-6 | 7    |
| 4       | Ethanol        |              | 46 | C2H6O   | 000064-17-5 | 7    |
| 5       | Ethanol        |              | 46 | C2H6O   | 000064-17-5 | 7    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Dimethyl ether   | 1.22 | 1.1     | ug/L  | 131214   | 1                     | 5.67 | 598736 | 5.0  |