

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\  
 Data File : VU039433.D  
 Acq On : 10 Jul 2020 16:29  
 Operator : SY/MD  
 Sample : L3261-04DL 25X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BE503DL

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\SOMUTR070720WMA.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         | 1.604       | 74            | 82          | 94           | rBV      | 34645          | 39934         | 5.25%           | 0.727%        |
| 2         | 1.922       | 172           | 181         | 198          | rBV      | 50139          | 73520         | 9.67%           | 1.338%        |
| 3         | 2.392       | 318           | 327         | 341          | rVB      | 18488          | 30507         | 4.01%           | 0.555%        |
| 4         | 2.581       | 373           | 386         | 401          | rBV      | 61599          | 102407        | 13.46%          | 1.863%        |
| 5         | 3.064       | 526           | 536         | 547          | rBV3     | 4484           | 7833          | 1.03%           | 0.143%        |
| 6         | 3.205       | 570           | 580         | 590          | rBV2     | 4033           | 8507          | 1.12%           | 0.155%        |
| 7         | 4.015       | 815           | 832         | 849          | rBV3     | 23769          | 60903         | 8.01%           | 1.108%        |
| 8         | 4.655       | 1010          | 1031        | 1065         | rBV      | 86905          | 283109        | 37.22%          | 5.151%        |
| 9         | 5.083       | 1147          | 1164        | 1184         | rBV2     | 73922          | 167026        | 21.96%          | 3.039%        |
| 10        | 5.742       | 1349          | 1369        | 1376         | rBV2     | 138421         | 361221        | 47.49%          | 6.572%        |
| 11        | 5.790       | 1377          | 1384        | 1405         | rVB      | 232457         | 461611        | 60.69%          | 8.398%        |
| 12        | 6.263       | 1517          | 1531        | 1552         | rBV      | 129587         | 239419        | 31.48%          | 4.356%        |
| 13        | 6.706       | 1653          | 1669        | 1686         | rBV2     | 93302          | 182774        | 24.03%          | 3.325%        |
| 14        | 7.575       | 1925          | 1939        | 1955         | rBV      | 50237          | 87333         | 11.48%          | 1.589%        |
| 15        | 7.906       | 2029          | 2042        | 2053         | rBV      | 158176         | 270193        | 35.52%          | 4.916%        |
| 16        | 7.977       | 2053          | 2064        | 2086         | rVB      | 446028         | 760612        | 100.00%         | 13.838%       |
| 17        | 8.186       | 2118          | 2129        | 2142         | rBV      | 32827          | 53342         | 7.01%           | 0.970%        |
| 18        | 8.642       | 2258          | 2271        | 2303         | rBV      | 324047         | 589122        | 77.45%          | 10.718%       |
| 19        | 9.420       | 2500          | 2513        | 2540         | rBV2     | 183298         | 407913        | 53.63%          | 7.421%        |
| 20        | 9.575       | 2545          | 2561        | 2576         | rBV      | 65184          | 104456        | 13.73%          | 1.900%        |
| 21        | 9.693       | 2585          | 2598        | 2616         | rBV      | 158573         | 257589        | 33.87%          | 4.686%        |
| 22        | 10.102      | 2714          | 2725        | 2739         | rBV      | 55942          | 89089         | 11.71%          | 1.621%        |
| 23        | 10.484      | 2832          | 2844        | 2854         | rBV      | 11959          | 17168         | 2.26%           | 0.312%        |
| 24        | 10.758      | 2918          | 2929        | 2945         | rBV      | 84163          | 135297        | 17.79%          | 2.461%        |
| 25        | 10.902      | 2961          | 2974        | 2984         | rBV5     | 6591           | 11739         | 1.54%           | 0.214%        |
| 26        | 10.999      | 2993          | 3004        | 3009         | rBV3     | 5915           | 9323          | 1.23%           | 0.170%        |
| 27        | 11.291      | 3086          | 3095        | 3102         | rBV2     | 6362           | 9304          | 1.22%           | 0.169%        |
| 28        | 11.465      | 3139          | 3149        | 3159         | rVB2     | 16203          | 24056         | 3.16%           | 0.438%        |
| 29        | 11.809      | 3244          | 3256        | 3272         | rBV      | 185192         | 308145        | 40.51%          | 5.606%        |
| 30        | 11.890      | 3272          | 3281        | 3292         | rVB2     | 8742           | 12868         | 1.69%           | 0.234%        |
| 31        | 12.092      | 3334          | 3344        | 3357         | rVB2     | 12841          | 19621         | 2.58%           | 0.357%        |
| 32        | 12.189      | 3362          | 3374        | 3388         | rBV      | 183275         | 302913        | 39.82%          | 5.511%        |
| 33        | 14.082      | 3951          | 3963        | 3974         | rBV      | 4907           | 7845          | 1.03%           | 0.143%        |

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Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.1 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
Title : TRACE VOA SOM01.0

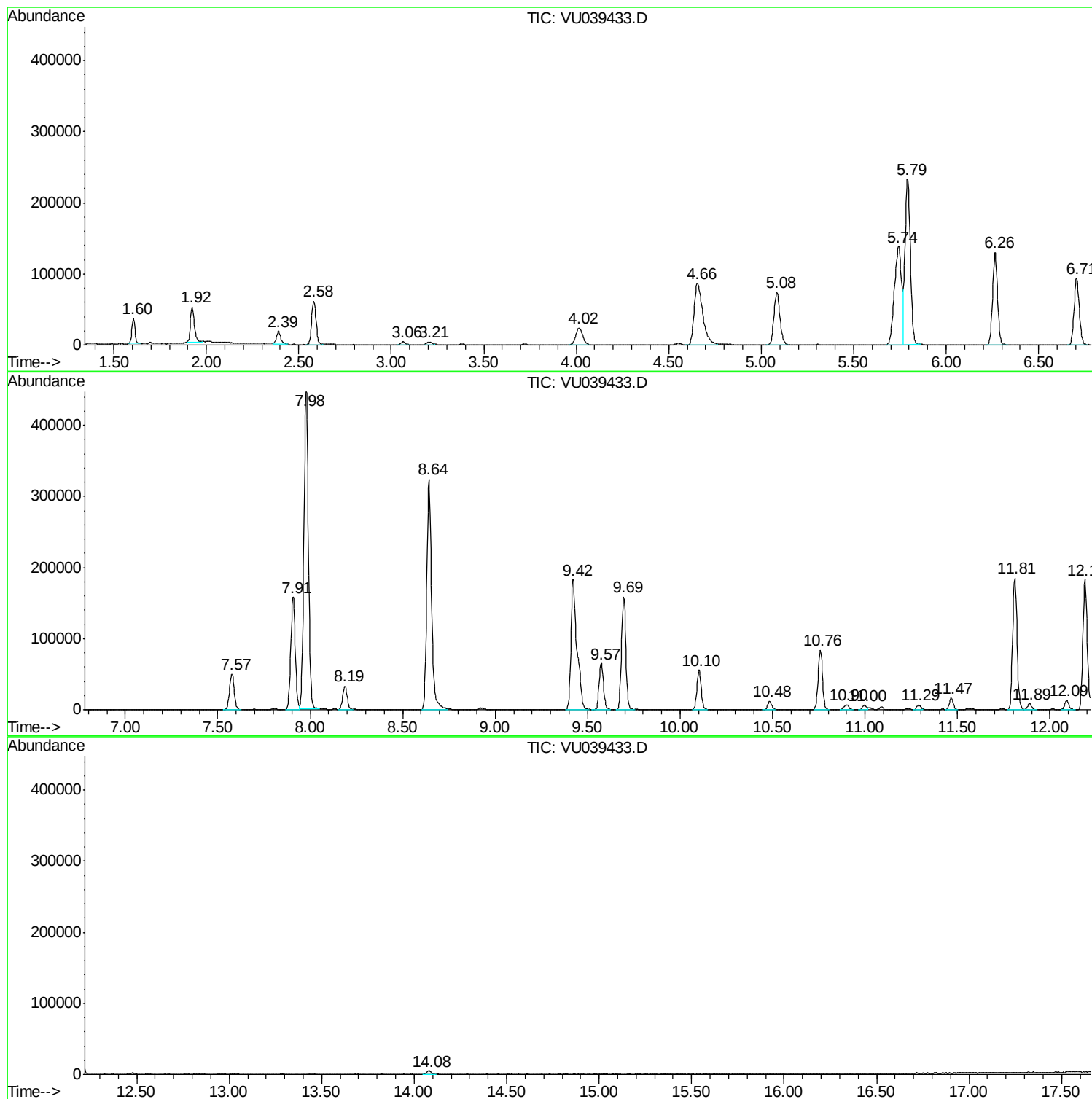
Sum of corrected areas: 5496699

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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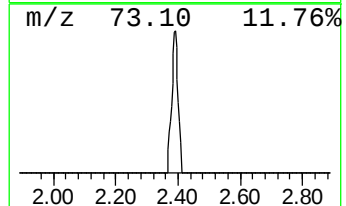
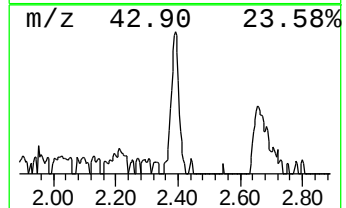
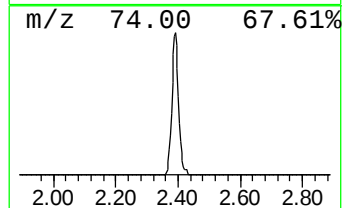
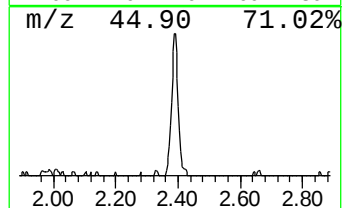
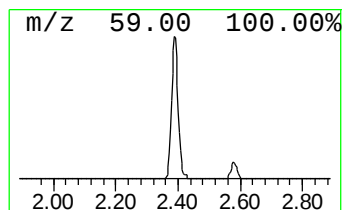
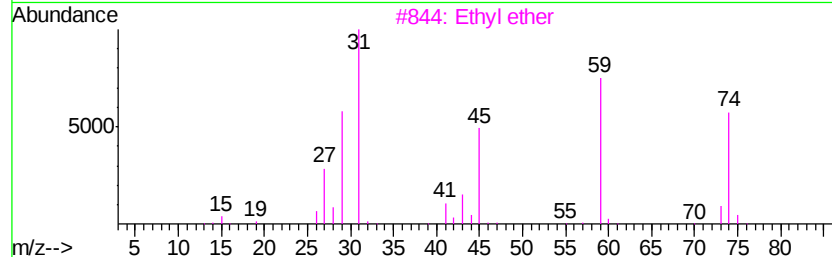
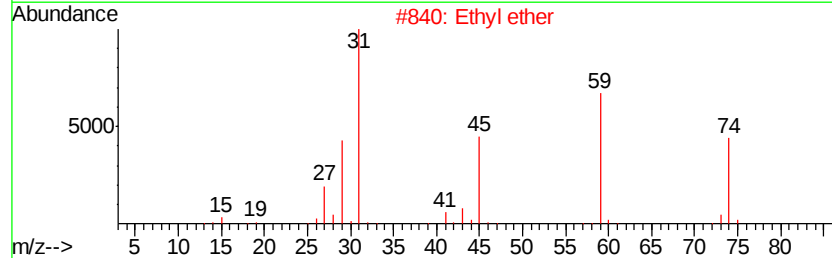
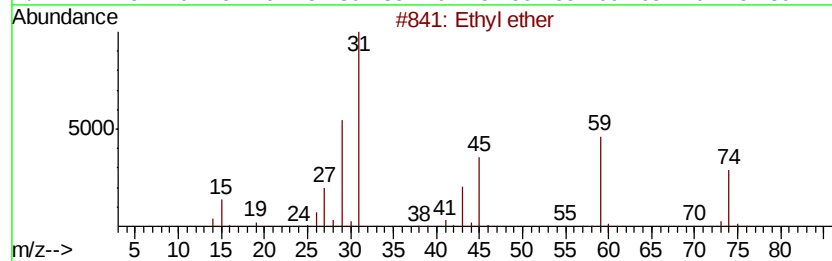
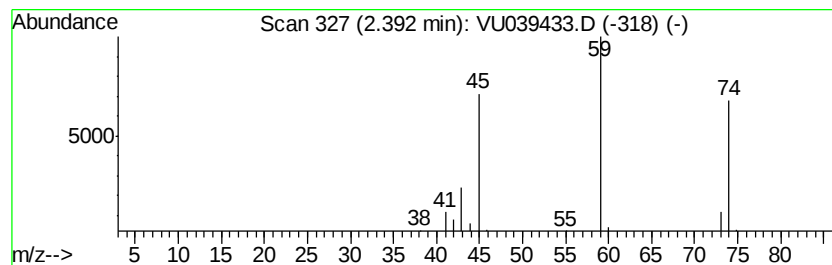
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Ethyl ether Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.39 | 0.64 ug/L | 30507 | 1,4-Difluorobenzene | 6.27 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 90   |
| 2    |    |   | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 90   |
| 3    |    |   | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 90   |
| 4    |    |   | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 83   |
| 5    |    |   | Ethyl ether           | 74  | C4H10O  | 000060-29-7 | 83   |



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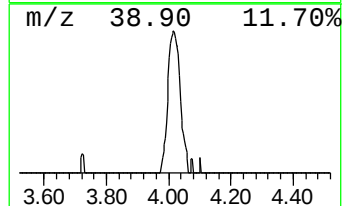
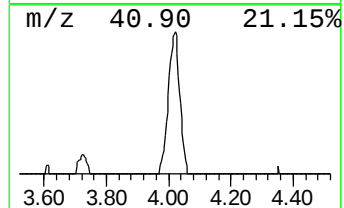
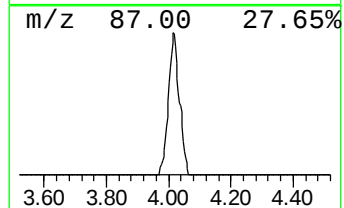
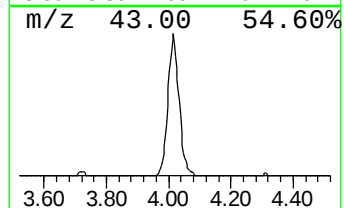
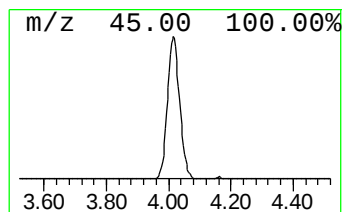
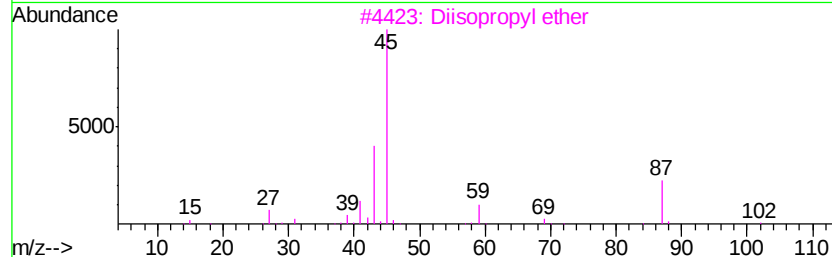
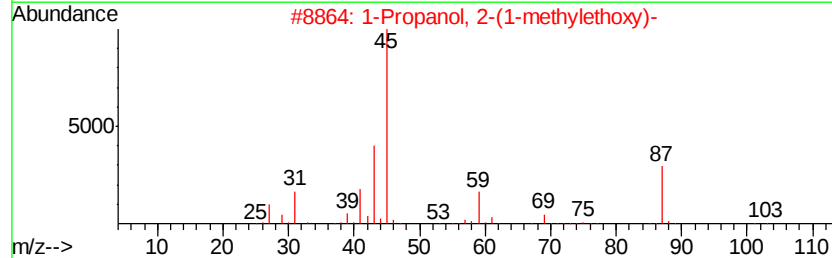
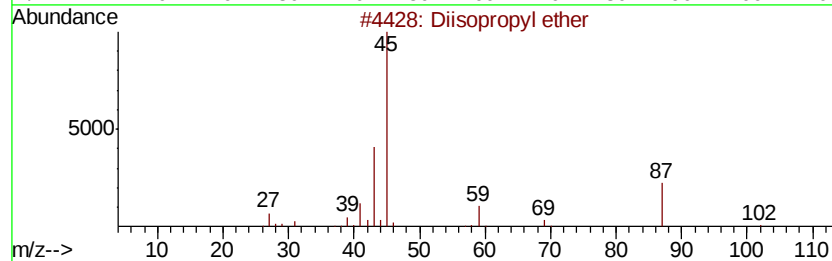
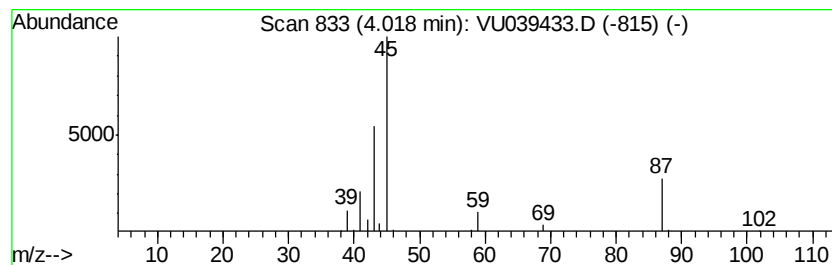
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Diisopropyl ether Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 4.02 | 1.27 ug/L | 60903 | 1,4-Difluorobenzene | 6.27 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Diisopropyl ether               | 102 | C6H14O  | 000108-20-3 | 83   |
| 2    |    |   | 1-Propanol, 2-(1-methylethoxy)- | 118 | C6H14O2 | 003944-37-4 | 78   |
| 3    |    |   | Diisopropyl ether               | 102 | C6H14O  | 000108-20-3 | 74   |
| 4    |    |   | 1-Propanol, 2-(1-methylethoxy)- | 118 | C6H14O2 | 003944-37-4 | 64   |
| 5    |    |   | Diisopropyl ether               | 102 | C6H14O  | 000108-20-3 | 64   |



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Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|-------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                   |      |         |       |          | #                     | RT   | Resp   | Conc |
| Ethyl ether       | 2.39 | 0.6     | ug/L  | 30507    | 1                     | 6.27 | 239419 | 5.0  |
| Diisopropyl ether | 4.02 | 1.3     | ug/L  | 60903    | 1                     | 6.27 | 239419 | 5.0  |