

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\  
 Data File : VV008320.D  
 Acq On : 17 Oct 2018 02:43  
 Operator : SY/MD  
 Sample : J5463-07  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0JB8

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         | 1.325       | 65            | 73          | 91           | rVB      | 734851         | 745466        | 43.48%          | 14.794%       |
| 2         | 1.431       | 100           | 106         | 113          | rVB      | 38341          | 42523         | 2.48%           | 0.844%        |
| 3         | 1.582       | 147           | 153         | 164          | rVB      | 29112          | 34121         | 1.99%           | 0.677%        |
| 4         | 2.142       | 316           | 327         | 338          | rBV4     | 142193         | 231281        | 13.49%          | 4.590%        |
| 5         | 2.203       | 339           | 346         | 359          | rVB2     | 18843          | 30319         | 1.77%           | 0.602%        |
| 6         | 2.335       | 377           | 387         | 405          | rBV      | 10969          | 24889         | 1.45%           | 0.494%        |
| 7         | 2.807       | 523           | 534         | 550          | rVB5     | 14042          | 38278         | 2.23%           | 0.760%        |
| 8         | 3.232       | 656           | 666         | 682          | rVB      | 35815          | 76736         | 4.48%           | 1.523%        |
| 9         | 3.968       | 876           | 895         | 937          | rBV2     | 667566         | 1714521       | 100.00%         | 34.026%       |
| 10        | 4.405       | 1015          | 1031        | 1051         | rVB      | 42263          | 104468        | 6.09%           | 2.073%        |
| 11        | 5.100       | 1232          | 1247        | 1268         | rBV2     | 108364         | 252058        | 14.70%          | 5.002%        |
| 12        | 5.669       | 1410          | 1424        | 1444         | rBV      | 93181          | 184557        | 10.76%          | 3.663%        |
| 13        | 5.965       | 1502          | 1516        | 1528         | rBV2     | 59749          | 115898        | 6.76%           | 2.300%        |
| 14        | 6.122       | 1551          | 1565        | 1583         | rBV      | 61288          | 122795        | 7.16%           | 2.437%        |
| 15        | 7.035       | 1837          | 1849        | 1865         | rBV2     | 31250          | 54410         | 3.17%           | 1.080%        |
| 16        | 7.363       | 1937          | 1951        | 1965         | rBV      | 122163         | 211840        | 12.36%          | 4.204%        |
| 17        | 7.669       | 2036          | 2046        | 2060         | rBV3     | 18179          | 30491         | 1.78%           | 0.605%        |
| 18        | 8.141       | 2182          | 2193        | 2225         | rBV3     | 116843         | 288586        | 16.83%          | 5.727%        |
| 19        | 8.900       | 2416          | 2429        | 2454         | rBV      | 127926         | 222782        | 12.99%          | 4.421%        |
| 20        | 10.267      | 2843          | 2854        | 2864         | rBV      | 36645          | 57576         | 3.36%           | 1.143%        |
| 21        | 11.299      | 3163          | 3175        | 3195         | rBV      | 93178          | 186227        | 10.86%          | 3.696%        |
| 22        | 11.681      | 3282          | 3294        | 3317         | rVB3     | 107770         | 269076        | 15.69%          | 5.340%        |

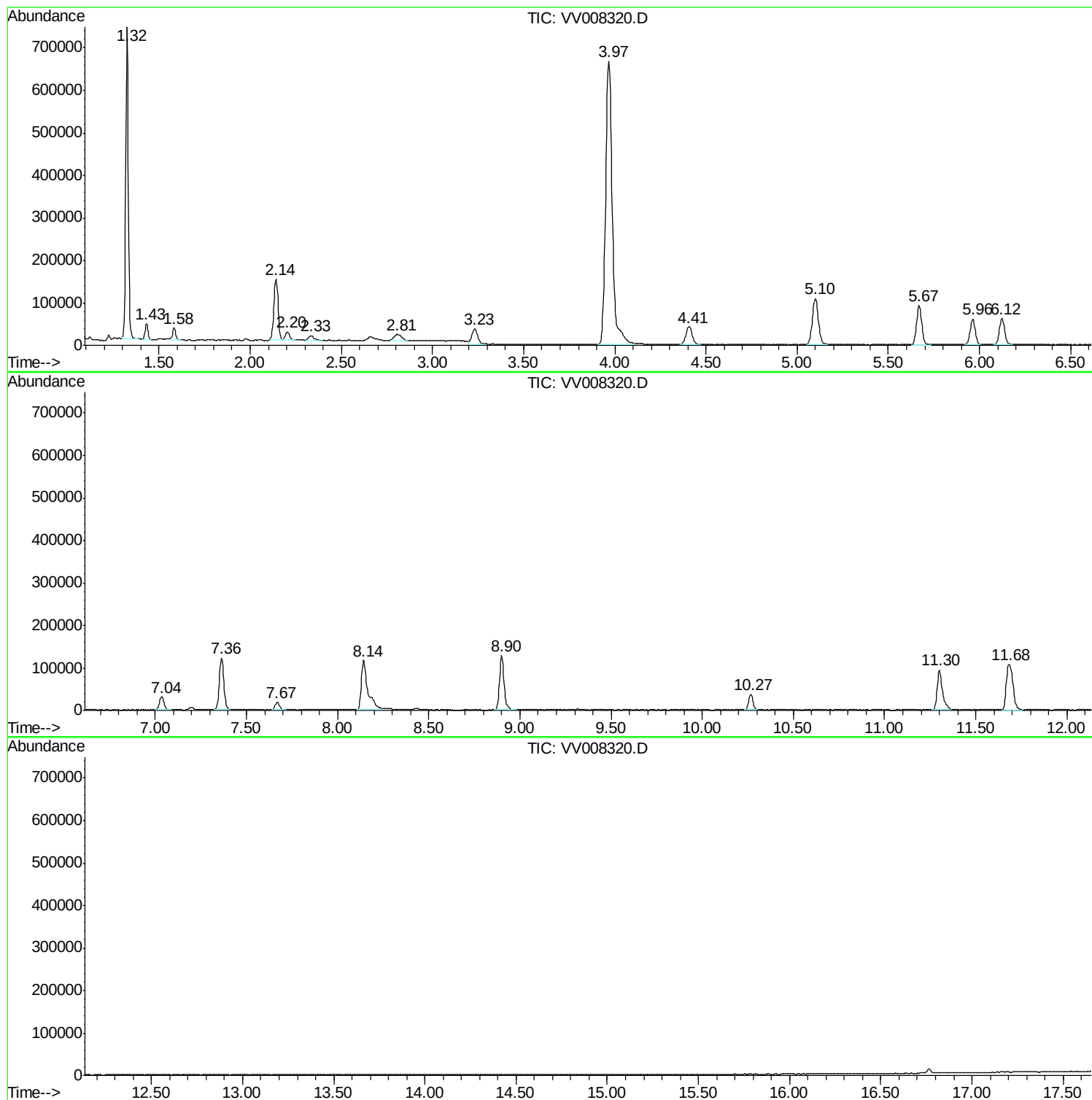
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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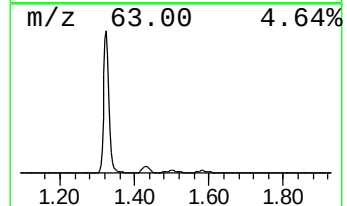
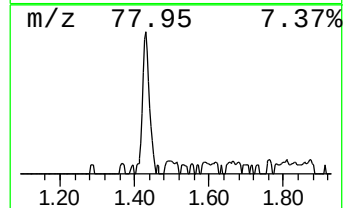
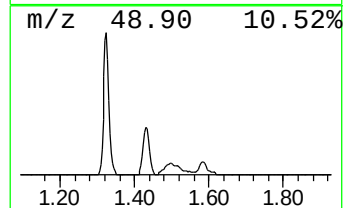
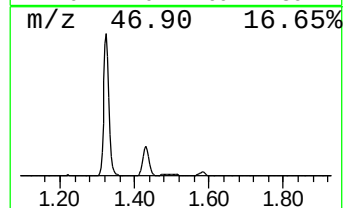
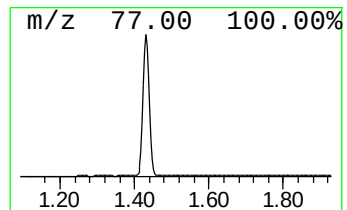
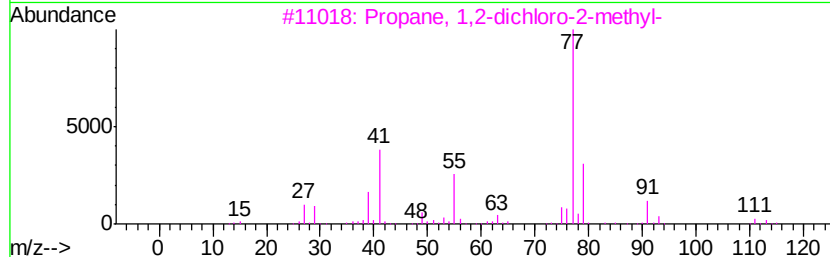
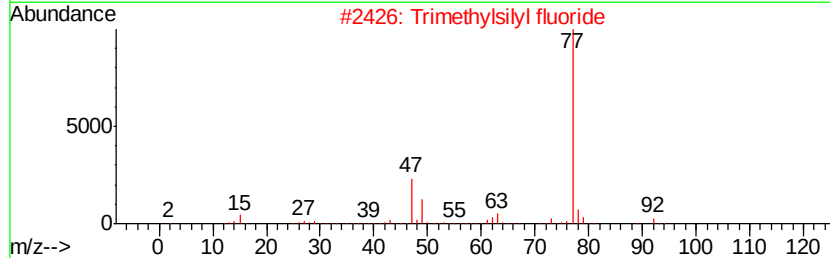
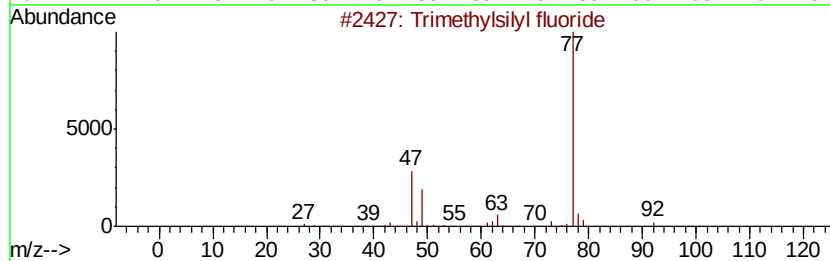
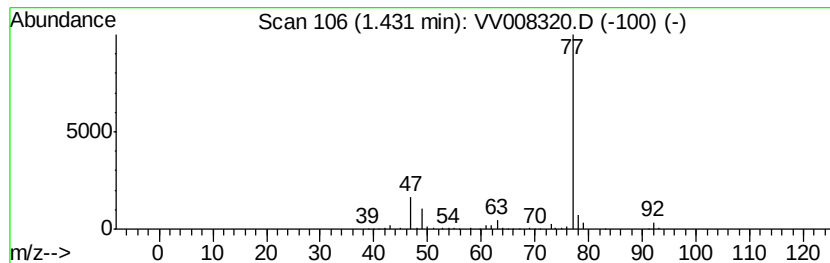
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Trimethylsilyl fluoride Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.43 | 1.15 ug/L | 42523 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------|-----|----------|-------------|------|
| 1    |    |   | Trimethylsilyl fluoride         | 92  | C3H9FSi  | 000420-56-4 | 91   |
| 2    |    |   | Trimethylsilyl fluoride         | 92  | C3H9FSi  | 000420-56-4 | 91   |
| 3    |    |   | Propane, 1,2-dichloro-2-methyl- | 126 | C4H8Cl2  | 000594-37-6 | 38   |
| 4    |    |   | Trimethylphosphine oxide        | 92  | C3H9OP   | 000676-96-0 | 4    |
| 5    |    |   | Silanediol, dimethyl-           | 92  | C2H8O2Si | 001066-42-8 | 4    |



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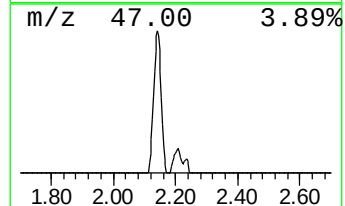
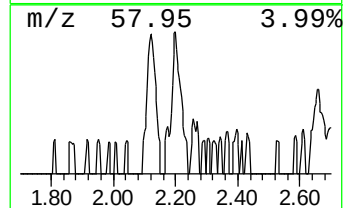
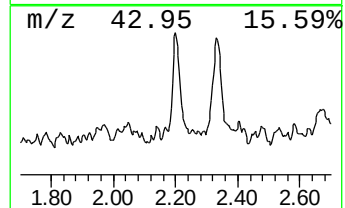
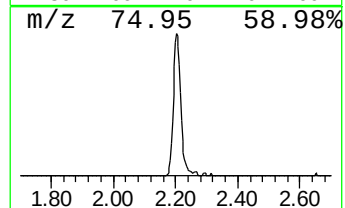
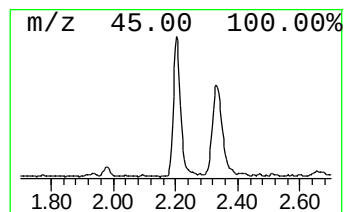
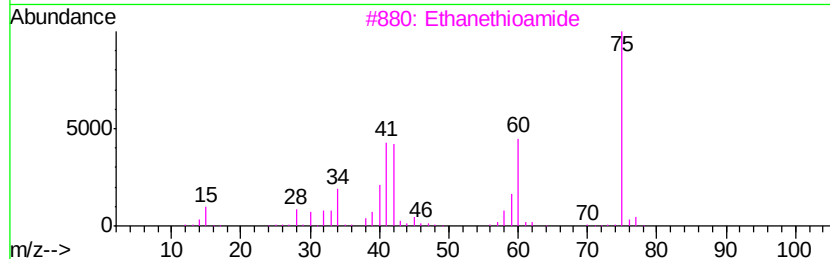
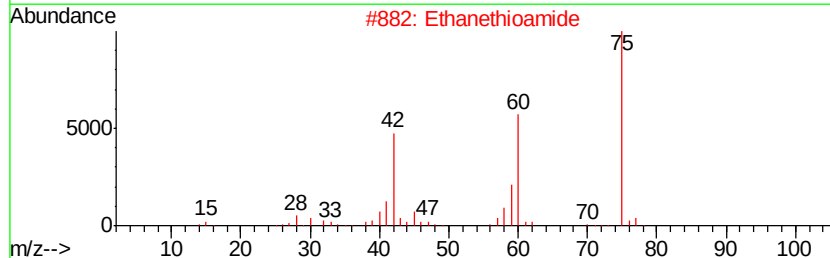
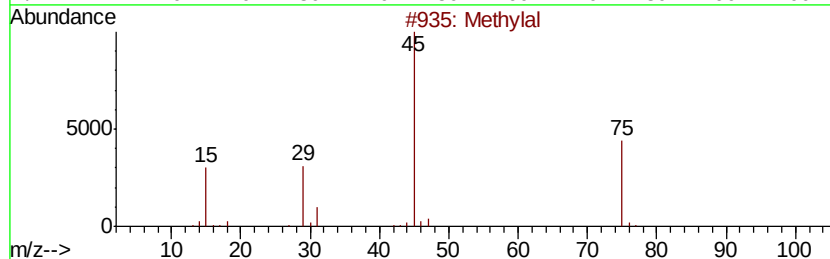
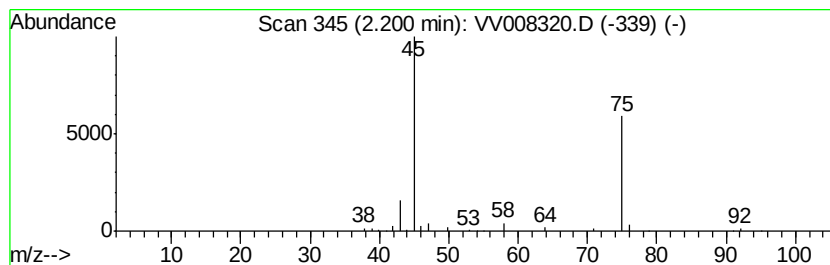
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Peak Number 2 Methylal Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.20 | 0.82 ug/L | 30319 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | Tentative ID                 | MW | MolForm | CAS#        | Qual |
|------|----|------------------------------|----|---------|-------------|------|
| 1    | 5  | Methylal                     | 76 | C3H8O2  | 000109-87-5 | 64   |
| 2    |    | Ethanethioamide              | 75 | C2H5NS  | 000062-55-5 | 9    |
| 3    |    | Ethanethioamide              | 75 | C2H5NS  | 000062-55-5 | 9    |
| 4    |    | L-Lactic acid                | 90 | C3H6O3  | 000079-33-4 | 9    |
| 5    |    | 2,3-Butanediol, [S-(R*,R*)]- | 90 | C4H10O2 | 019132-06-0 | 9    |



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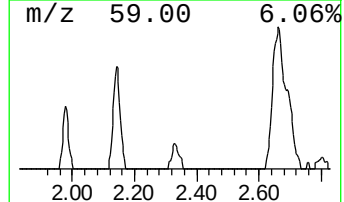
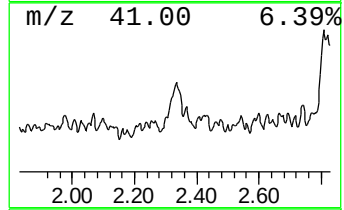
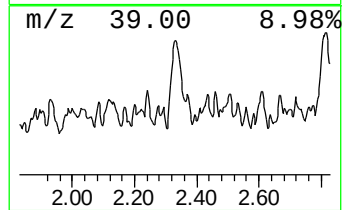
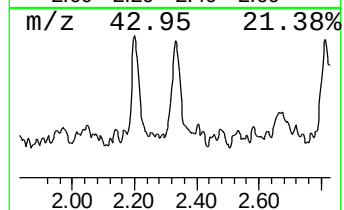
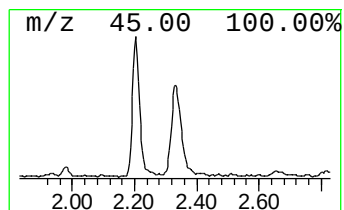
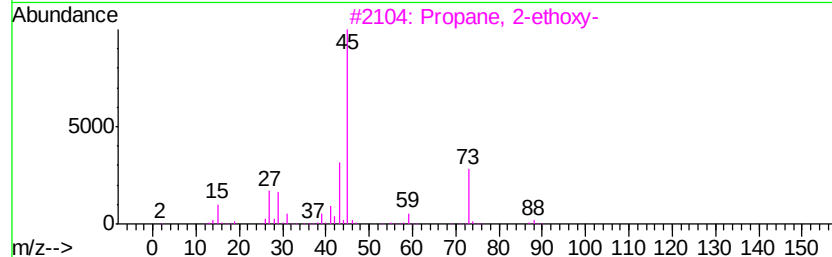
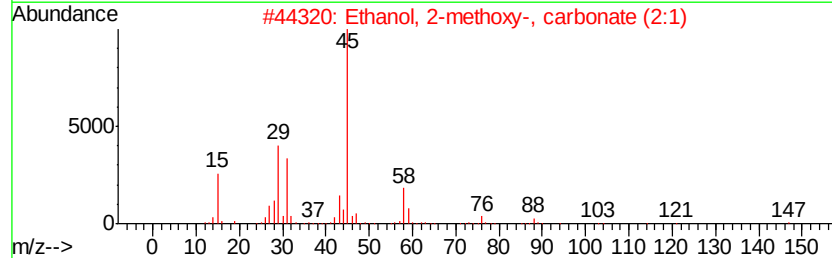
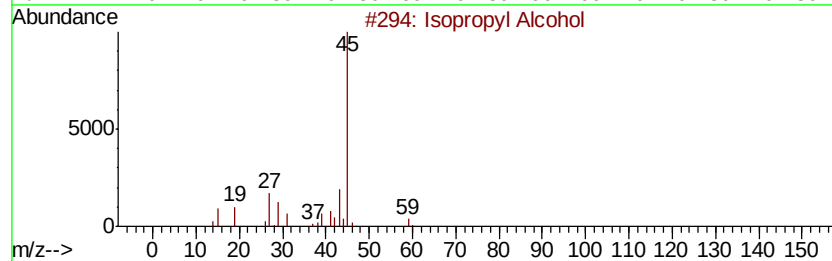
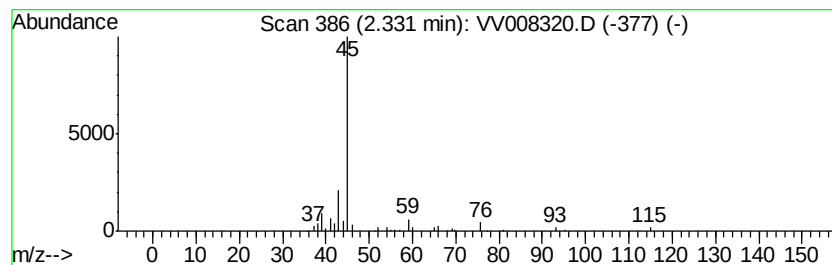
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 3 Isopropyl Alcohol Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.33 | 0.67 ug/L | 24889 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Isopropyl Alcohol                    | 60  | C3H8O   | 000067-63-0 | 72   |
| 2    |    | Ethanol, 2-methoxy-, carbonate (...) | 178 | C7H14O5 | 000626-84-6 | 43   |
| 3    |    | Propane, 2-ethoxy-                   | 88  | C5H12O  | 000625-54-7 | 40   |
| 4    |    | Propane, 2-ethoxy-                   | 88  | C5H12O  | 000625-54-7 | 40   |
| 5    |    | 2-Heptanol, 3-methyl-                | 130 | C8H18O  | 031367-46-1 | 40   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Trimethylsilyl fl... | 1.43 | 1.1     | ug/L  | 42523    | 1                     | 5.67 | 184557 | 5.0  |
| Methylal             | 2.20 | 0.8     | ug/L  | 30319    | 1                     | 5.67 | 184557 | 5.0  |
| Isopropyl Alcohol    | 2.33 | 0.7     | ug/L  | 24889    | 1                     | 5.67 | 184557 | 5.0  |