

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU080624\  
Data File : VU060321.D  
Acq On : 06 Aug 2024 14:31  
Operator : MD/SY  
Sample : P3204-09  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-THM-WS

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

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\524U080524DW.M

Title : METHOD 524.2 VOLATILES DRINKING WATER

Signal : TIC: VU060321.D\data.ms

| 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         | 2.641       | 410           | 420         | 443          | rBV      | 44053          | 85128         | 7.07%           | 2.115%        |
| 2         | 3.039       | 533           | 544         | 557          | rVB3     | 7335           | 13668         | 1.13%           | 0.340%        |
| 3         | 4.641       | 1025          | 1042        | 1063         | rBV2     | 8090           | 26575         | 2.21%           | 0.660%        |
| 4         | 5.078       | 1163          | 1178        | 1217         | rBV      | 430075         | 966554        | 80.24%          | 24.015%       |
| 5         | 6.110       | 1486          | 1499        | 1516         | rBV2     | 29184          | 58763         | 4.88%           | 1.460%        |
| 6         | 7.097       | 1792          | 1806        | 1829         | rBV      | 379047         | 712390        | 59.14%          | 17.700%       |
| 7         | 8.801       | 2323          | 2336        | 2361         | rBV      | 695363         | 1204538       | 100.00%         | 29.928%       |
| 8         | 10.283      | 2784          | 2797        | 2825         | rBV      | 511068         | 862966        | 71.64%          | 21.442%       |
| 9         | 10.634      | 2896          | 2906        | 2925         | rBV3     | 23678          | 40072         | 3.33%           | 0.996%        |
| 10        | 12.190      | 3381          | 3390        | 3414         | rBV      | 30161          | 54081         | 4.49%           | 1.344%        |

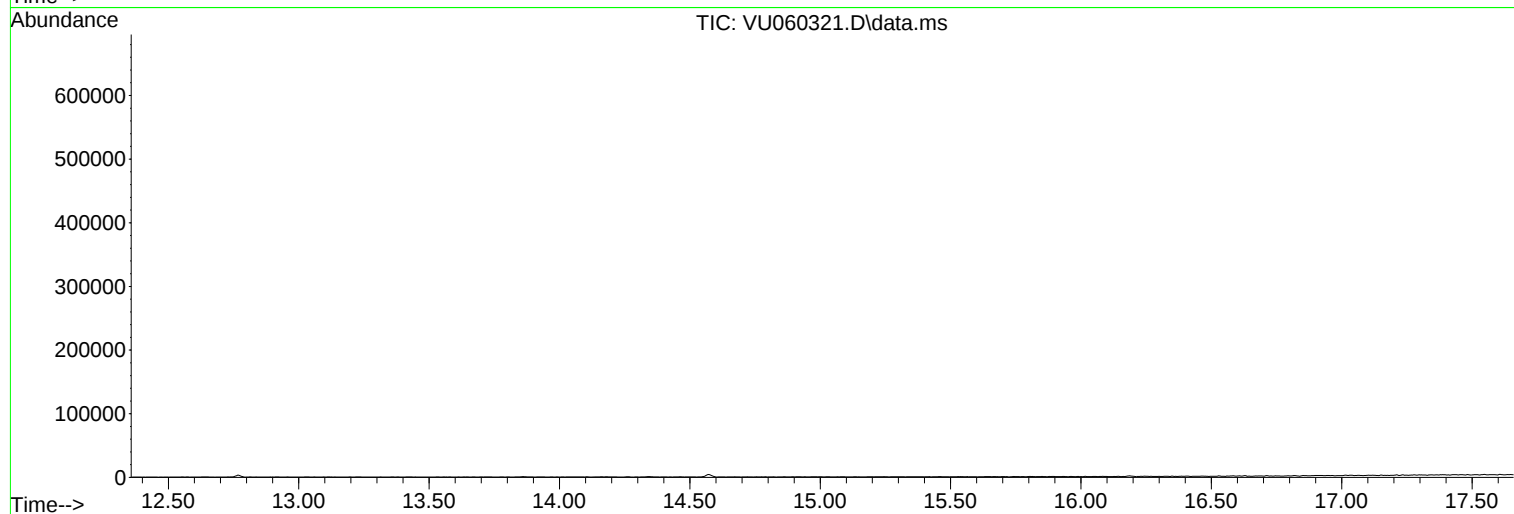
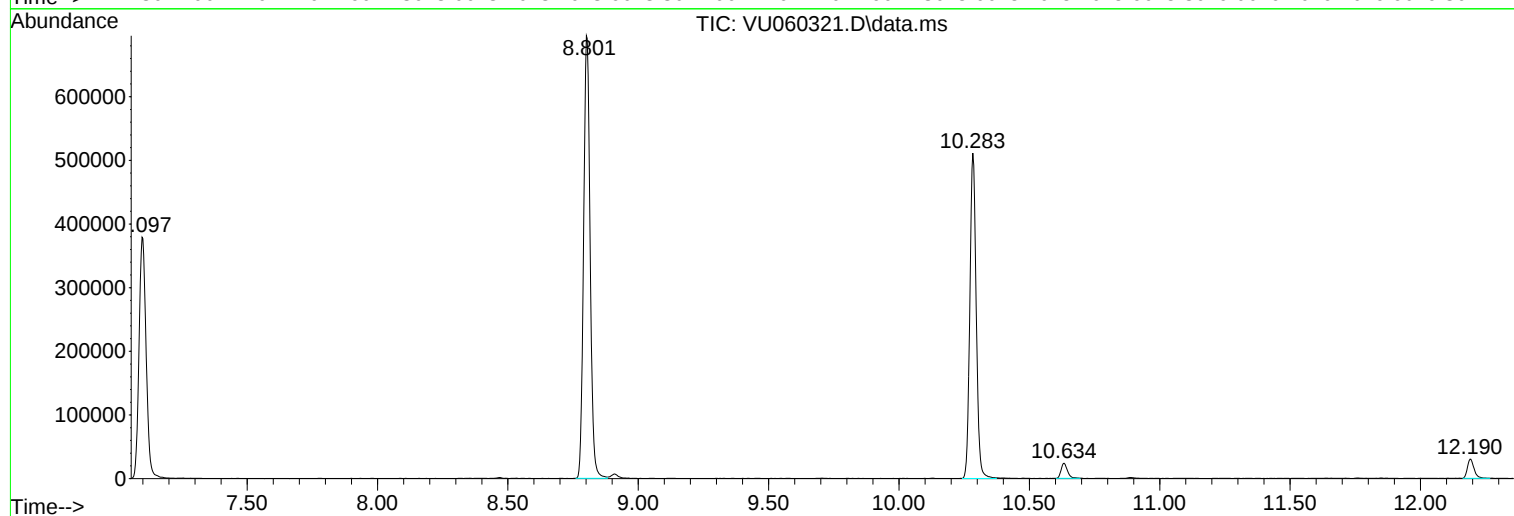
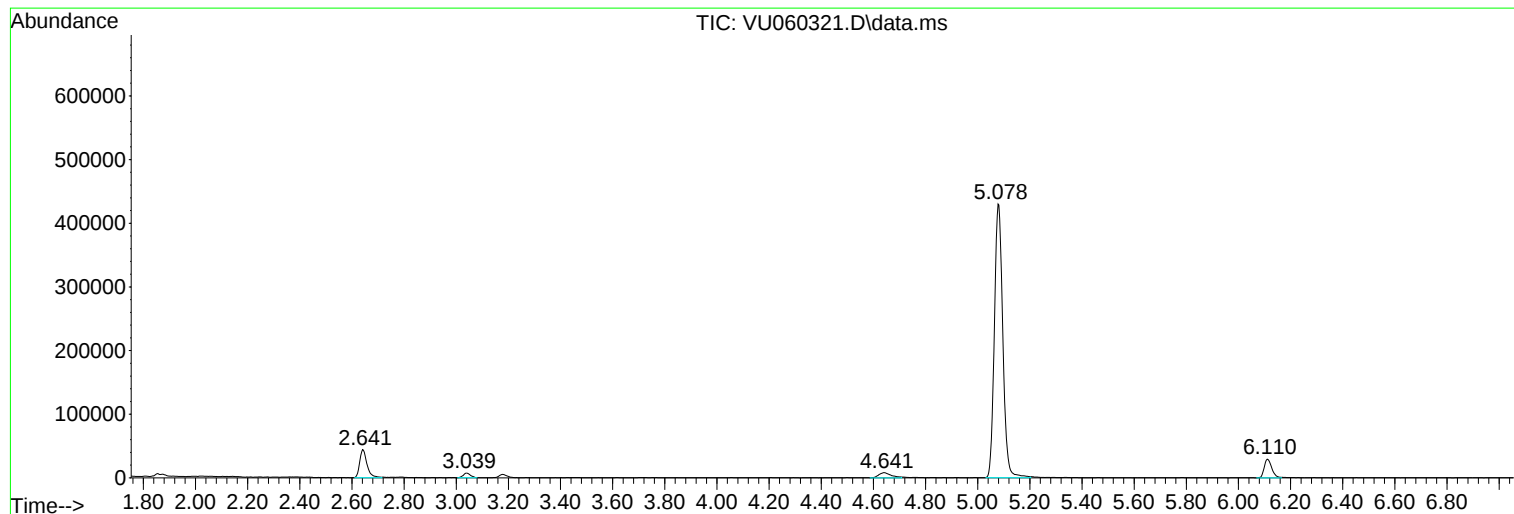
Sum of corrected areas: 4024735

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U080524DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

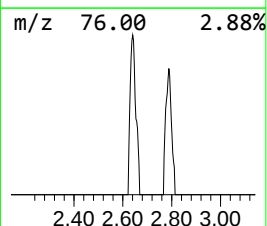
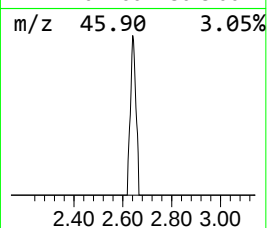
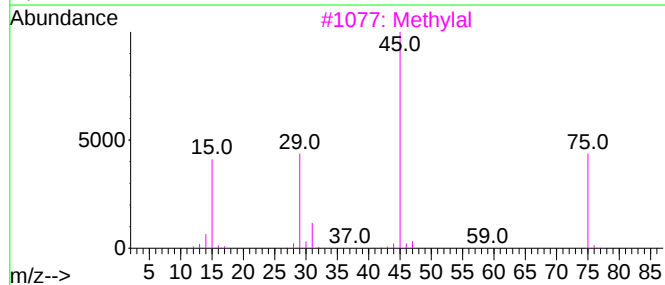
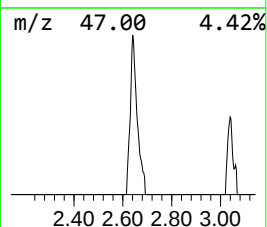
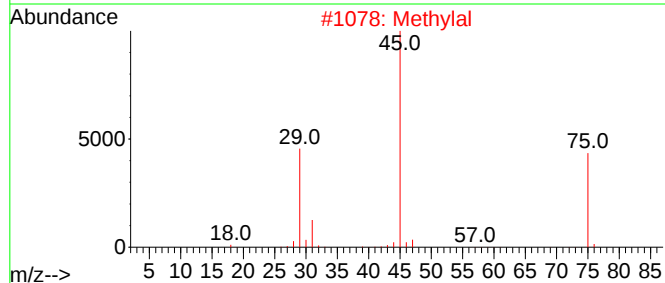
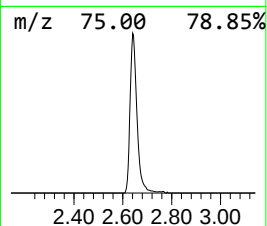
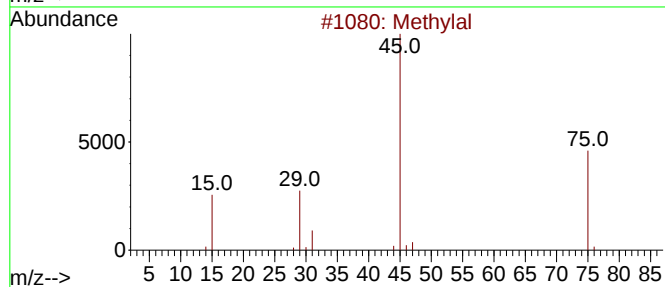
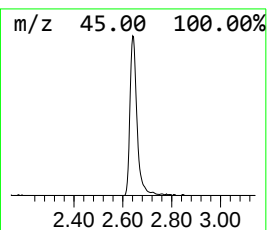
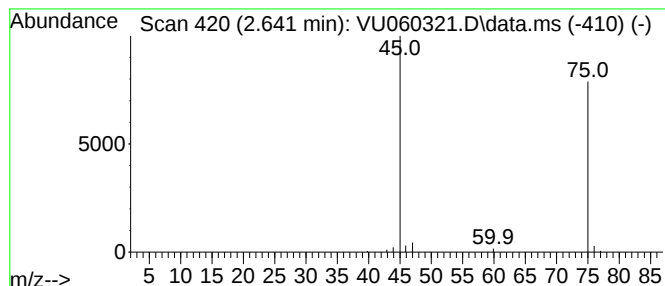
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Methylal Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 2.641 | 1.45 ug/l | 85128 | Fluorobenzene    | 6.113 |

| Hit# | of                             | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|--------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Methylal                       |   |              | 76  | C3H8O2  | 000109-87-5 | 83   |
| 2    | Methylal                       |   |              | 76  | C3H8O2  | 000109-87-5 | 83   |
| 3    | Methylal                       |   |              | 76  | C3H8O2  | 000109-87-5 | 83   |
| 4    | Methylal                       |   |              | 76  | C3H8O2  | 000109-87-5 | 59   |
| 5    | Glycolaldehyde dimethyl acetal |   |              | 106 | C4H10O3 | 030934-97-5 | 9    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |       |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|-------|------|
|                  |       |         |       |          | #                     | RT    | Resp  | Conc |
| Methylal         | 2.641 | 1.5     | ug/l  | 85128    | 1                     | 6.113 | 58763 | 1.0  |