

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\  
 Data File : VU026814.D  
 Acq On : 17 Sep 2018 10:17  
 Operator : MD/SY  
 Sample : VU0916WBL03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK60

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\SOMUTR091618WMA.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         | 1.398       | 62            | 70          | 82           | rBV      | 63971          | 68714         | 15.06%          | 1.971%        |
| 2         | 1.681       | 150           | 158         | 174          | rVB      | 54395          | 69427         | 15.22%          | 1.992%        |
| 3         | 2.273       | 332           | 342         | 354          | rBV      | 109524         | 167556        | 36.72%          | 4.807%        |
| 4         | 2.704       | 466           | 476         | 482          | rBV2     | 4968           | 7742          | 1.70%           | 0.222%        |
| 5         | 2.842       | 507           | 519         | 531          | rBV3     | 2699           | 5890          | 1.29%           | 0.169%        |
| 6         | 4.215       | 926           | 946         | 985          | rBV2     | 51451          | 198620        | 43.53%          | 5.698%        |
| 7         | 4.649       | 1065          | 1081        | 1105         | rBV2     | 80626          | 191529        | 41.98%          | 5.495%        |
| 8         | 5.337       | 1273          | 1295        | 1313         | rBV2     | 173042         | 456258        | 100.00%         | 13.090%       |
| 9         | 5.887       | 1452          | 1466        | 1483         | rBV      | 162303         | 312896        | 68.58%          | 8.977%        |
| 10        | 6.334       | 1589          | 1605        | 1624         | rVB      | 107684         | 214300        | 46.97%          | 6.148%        |
| 11        | 7.231       | 1872          | 1884        | 1900         | rVB      | 51684          | 88839         | 19.47%          | 2.549%        |
| 12        | 7.565       | 1975          | 1988        | 2004         | rBV      | 192089         | 326678        | 71.60%          | 9.372%        |
| 13        | 7.852       | 2064          | 2077        | 2093         | rBV      | 30972          | 50463         | 11.06%          | 1.448%        |
| 14        | 8.327       | 2211          | 2225        | 2256         | rBV      | 212603         | 371141        | 81.34%          | 10.648%       |
| 15        | 8.639       | 2312          | 2322        | 2330         | rBV3     | 5079           | 7984          | 1.75%           | 0.229%        |
| 16        | 9.093       | 2450          | 2463        | 2484         | rBV      | 193730         | 317710        | 69.63%          | 9.115%        |
| 17        | 10.437      | 2869          | 2881        | 2896         | rVB      | 76526          | 120602        | 26.43%          | 3.460%        |
| 18        | 11.485      | 3195          | 3207        | 3231         | rBV      | 160326         | 254015        | 55.67%          | 7.287%        |
| 19        | 11.861      | 3313          | 3324        | 3342         | rBV      | 159235         | 255288        | 55.95%          | 7.324%        |

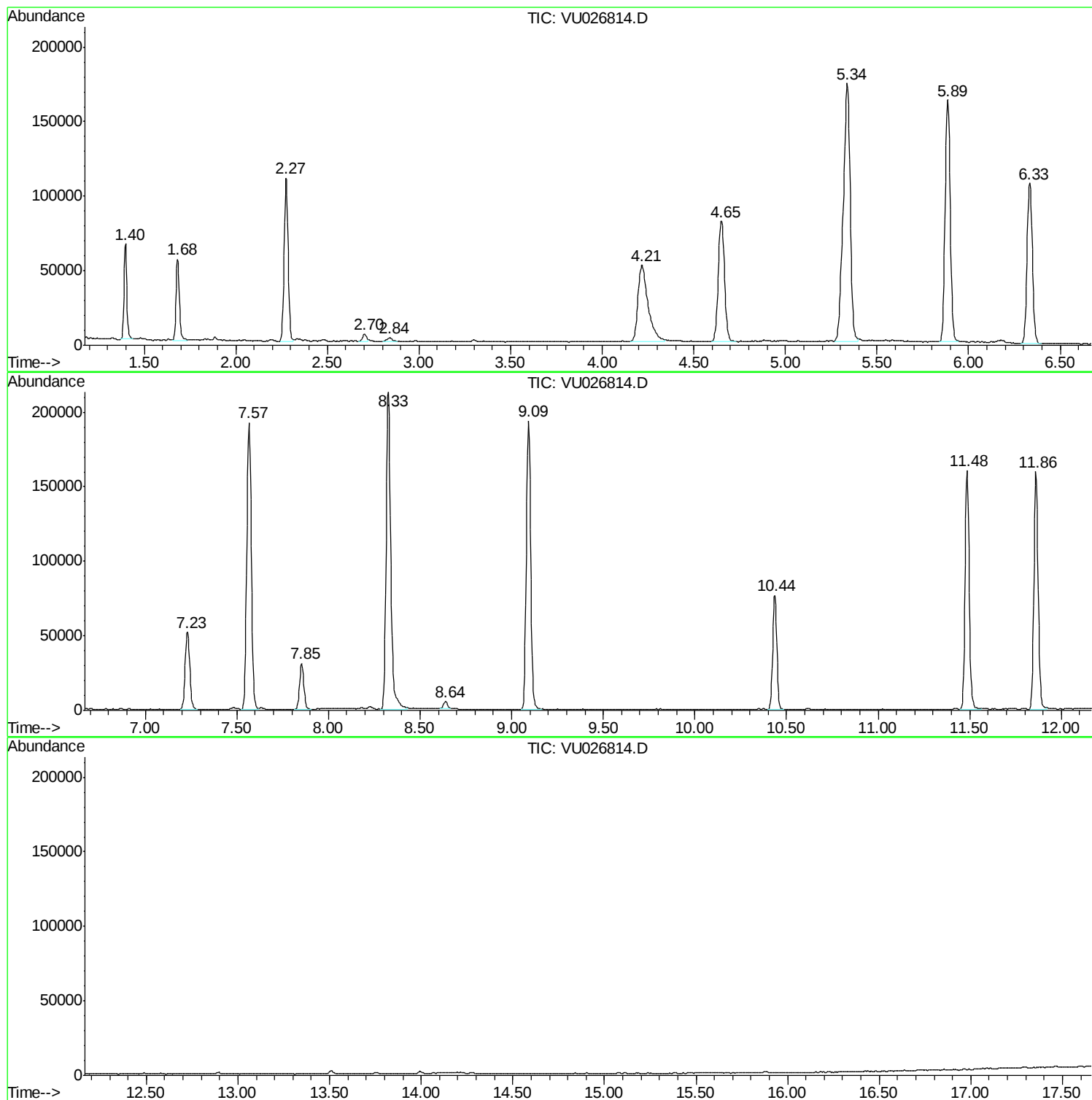
Sum of corrected areas: 3485652

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR091618WMA.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 Thiophosgene Concentration Rank 1

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 7.23 | 1.42 ug/L | 88839 | 1,4-Difluorobenzene | 5.89 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Thiophosgene                        | 114 | CCl2S    | 000463-71-8  | 52   |
| 2    |    |   | Methane, oxybis[chloro-             | 114 | C2H4Cl2O | 000542-88-1  | 25   |
| 3    |    |   | Methane, oxybis[chloro-             | 114 | C2H4Cl2O | 000542-88-1  | 25   |
| 4    |    |   | 3-Thiatricyclo[3.1.1.0(2,4)]heptane | 112 | C6H8S    | 1000221-37-0 | 9    |
| 5    |    |   | 2-Propanol, 1,3-dichloro-           | 128 | C3H6Cl2O | 000096-23-1  | 9    |

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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Thiophosgene     | 7.23 | 1.4     | ug/L  | 88839    | 1                     | 5.89 | 312896 | 5.0  |