

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\  
 Data File : VU026816.D  
 Acq On : 17 Sep 2018 11:21  
 Operator : MD/SY  
 Sample : J4864-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

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          | 83           | rBV      | 60629          | 65199         | 15.02%          | 1.972%        |
| 2         | 1.681       | 150           | 158         | 172          | rBV      | 51576          | 64229         | 14.80%          | 1.943%        |
| 3         | 2.276       | 332           | 343         | 358          | rBV      | 103575         | 157269        | 36.23%          | 4.757%        |
| 4         | 2.704       | 467           | 476         | 486          | rVB2     | 6259           | 10792         | 2.49%           | 0.326%        |
| 5         | 4.218       | 927           | 947         | 986          | rBV2     | 50716          | 190902        | 43.98%          | 5.774%        |
| 6         | 4.649       | 1065          | 1081        | 1102         | rVB      | 77243          | 181327        | 41.77%          | 5.484%        |
| 7         | 5.337       | 1274          | 1295        | 1317         | rBV2     | 166800         | 434105        | 100.00%         | 13.130%       |
| 8         | 5.887       | 1451          | 1466        | 1487         | rBV      | 151986         | 289430        | 66.67%          | 8.754%        |
| 9         | 6.334       | 1592          | 1605        | 1624         | rVB      | 104513         | 204144        | 47.03%          | 6.175%        |
| 10        | 7.231       | 1872          | 1884        | 1901         | rBV      | 49078          | 84896         | 19.56%          | 2.568%        |
| 11        | 7.565       | 1975          | 1988        | 2008         | rBV      | 182159         | 312004        | 71.87%          | 9.437%        |
| 12        | 7.855       | 2067          | 2078        | 2094         | rBV2     | 29138          | 48324         | 11.13%          | 1.462%        |
| 13        | 8.179       | 2169          | 2179        | 2189         | rBV4     | 2801           | 5472          | 1.26%           | 0.166%        |
| 14        | 8.327       | 2213          | 2225        | 2254         | rBV      | 201432         | 353883        | 81.52%          | 10.703%       |
| 15        | 8.636       | 2312          | 2321        | 2334         | rBV4     | 4840           | 7873          | 1.81%           | 0.238%        |
| 16        | 9.093       | 2451          | 2463        | 2484         | rBV      | 179235         | 292625        | 67.41%          | 8.851%        |
| 17        | 10.437      | 2866          | 2881        | 2896         | rBV2     | 73774          | 117321        | 27.03%          | 3.548%        |
| 18        | 10.607      | 2925          | 2934        | 2946         | rBV2     | 2782           | 4390          | 1.01%           | 0.133%        |
| 19        | 11.485      | 3193          | 3207        | 3228         | rBV      | 148287         | 237913        | 54.81%          | 7.196%        |
| 20        | 11.861      | 3313          | 3324        | 3340         | rBV      | 151391         | 244139        | 56.24%          | 7.384%        |

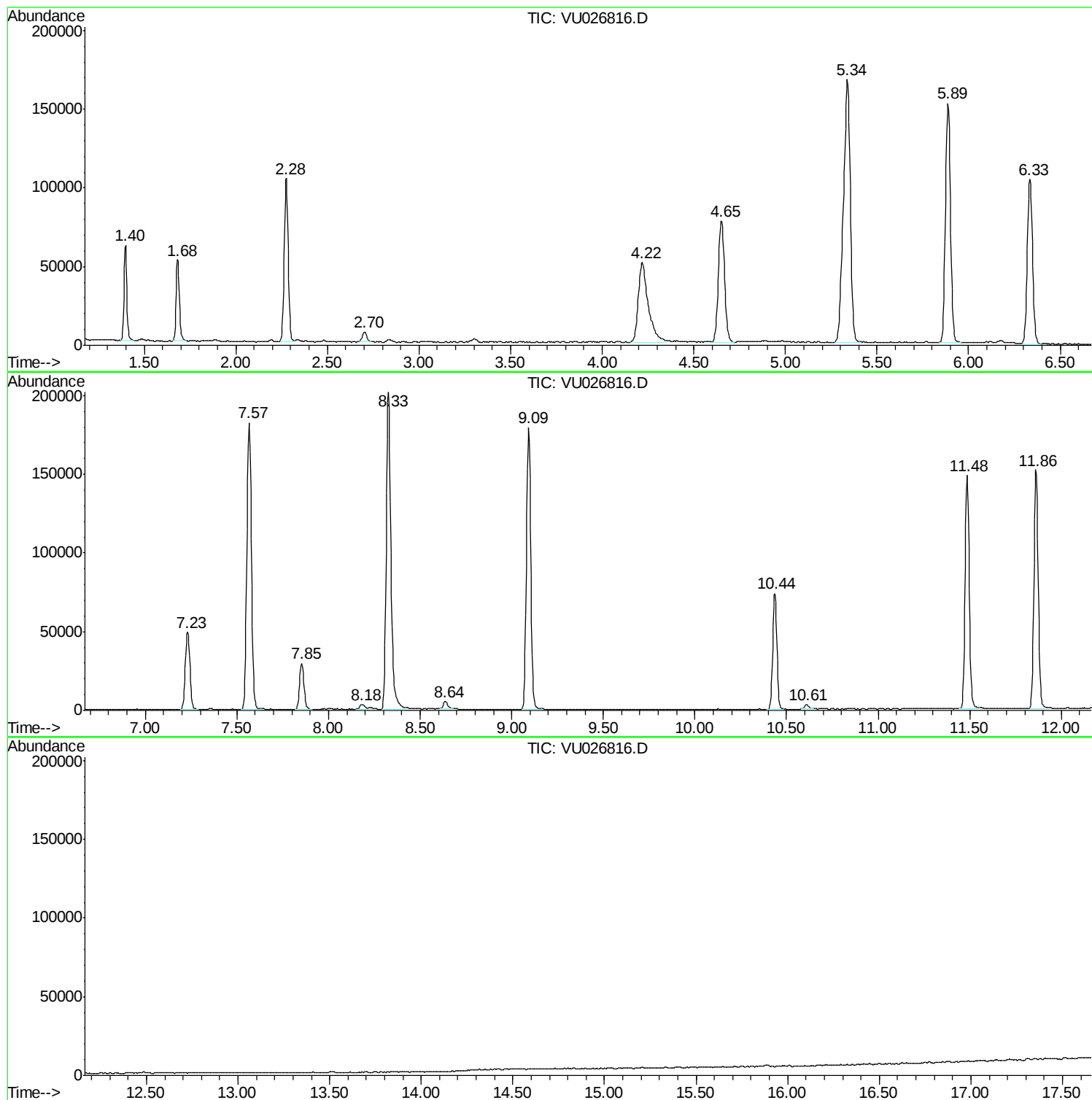
Sum of corrected areas: 3306237

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091618\  
Data File : VU026816.D  
Acq On : 17 Sep 2018 11:21  
Operator : MD/SY  
Sample : J4864-07  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091618\  
Data File : VU026816.D  
Acq On : 17 Sep 2018 11:21  
Operator : MD/SY  
Sample : J4864-07  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR091618WMA.M  
Quant Title : TRACE VOA SOM01.0

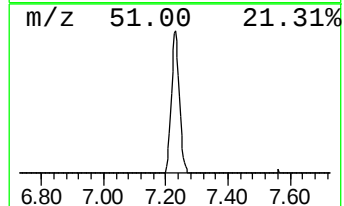
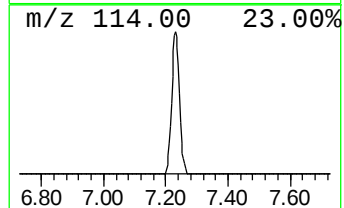
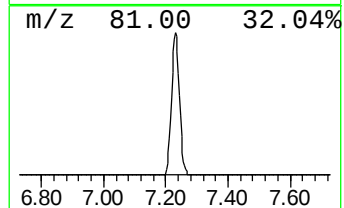
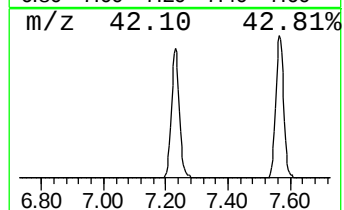
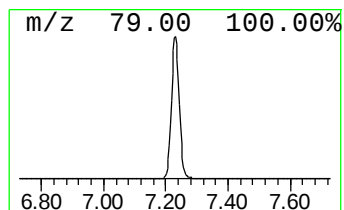
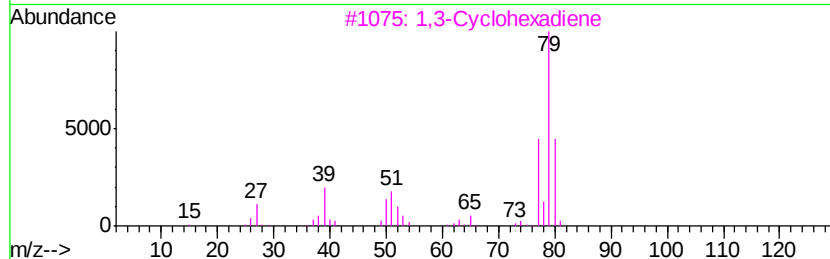
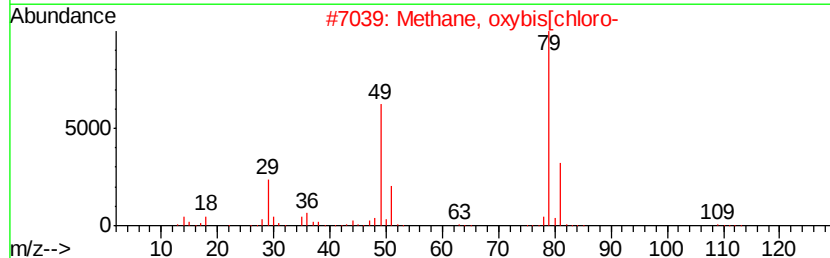
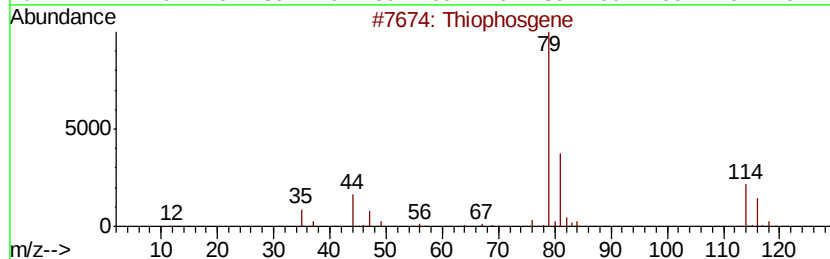
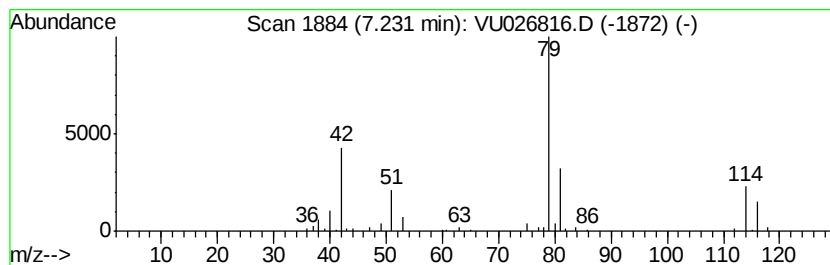
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Thiophosgene Concentration Rank 1

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 7.23 | 1.47 ug/L | 84896 | 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       |   | 1,3-Cyclohexadiene      | 80  | C6H8     | 000592-57-4 | 25   |
| 4       |   | Methane, oxybis[chloro- | 114 | C2H4Cl2O | 000542-88-1 | 25   |
| 5       |   | 1,3-Cyclohexadiene      | 80  | C6H8     | 000592-57-4 | 9    |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU091618\  
Data File : VU026816.D  
Acq On : 17 Sep 2018 11:21  
Operator : MD/SY  
Sample : J4864-07  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR091618WMA.M  
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 |
| Thiophosgene     | 7.23 | 1.5     | ug/L  | 84896    | 1                     | 5.89 | 289430 | 5.0  |