

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052319\  
 Data File : VU032270.D  
 Acq On : 23 May 2019 15:40  
 Operator : JC/SP  
 Sample : K3018-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XJ1

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\SOMUTR052219WMA.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         | 1.396       | 88            | 95          | 108          | rVB      | 143831         | 156367        | 14.54%          | 1.689%        |
| 2         | 1.679       | 175           | 183         | 200          | rVB      | 126835         | 166419        | 15.47%          | 1.797%        |
| 3         | 2.270       | 355           | 367         | 379          | rBV      | 276388         | 420077        | 39.05%          | 4.536%        |
| 4         | 2.334       | 381           | 387         | 403          | rVB4     | 17332          | 34673         | 3.22%           | 0.374%        |
| 5         | 2.495       | 423           | 437         | 450          | rBV2     | 17563          | 62088         | 5.77%           | 0.670%        |
| 6         | 2.836       | 533           | 543         | 555          | rVB2     | 15675          | 31142         | 2.89%           | 0.336%        |
| 7         | 4.196       | 953           | 966         | 1004         | rBV      | 146777         | 433928        | 40.34%          | 4.686%        |
| 8         | 4.643       | 1085          | 1105        | 1132         | rBV      | 194416         | 466544        | 43.37%          | 5.038%        |
| 9         | 5.331       | 1298          | 1319        | 1344         | rBV2     | 383975         | 1055491       | 98.11%          | 11.398%       |
| 10        | 5.884       | 1477          | 1491        | 1513         | rBV      | 394322         | 798014        | 74.18%          | 8.617%        |
| 11        | 6.180       | 1571          | 1583        | 1586         | rBV      | 7085           | 12274         | 1.14%           | 0.133%        |
| 12        | 6.328       | 1616          | 1629        | 1652         | rBV2     | 241098         | 480863        | 44.70%          | 5.193%        |
| 13        | 7.228       | 1894          | 1909        | 1929         | rBV3     | 101796         | 198823        | 18.48%          | 2.147%        |
| 14        | 7.563       | 1997          | 2013        | 2045         | rBV      | 463518         | 838286        | 77.92%          | 9.052%        |
| 15        | 7.852       | 2091          | 2103        | 2122         | rBV      | 66420          | 120900        | 11.24%          | 1.306%        |
| 16        | 8.315       | 2233          | 2247        | 2275         | rBV      | 555863         | 1075787       | 100.00%         | 11.617%       |
| 17        | 9.087       | 2471          | 2487        | 2509         | rBV      | 608681         | 1025495       | 95.33%          | 11.074%       |
| 18        | 10.427      | 2893          | 2904        | 2924         | rBV      | 196774         | 324279        | 30.14%          | 3.502%        |
| 19        | 11.479      | 3220          | 3231        | 3258         | rBV      | 473834         | 823742        | 76.57%          | 8.895%        |
| 20        | 11.858      | 3332          | 3349        | 3374         | rBV      | 420747         | 735425        | 68.36%          | 7.941%        |

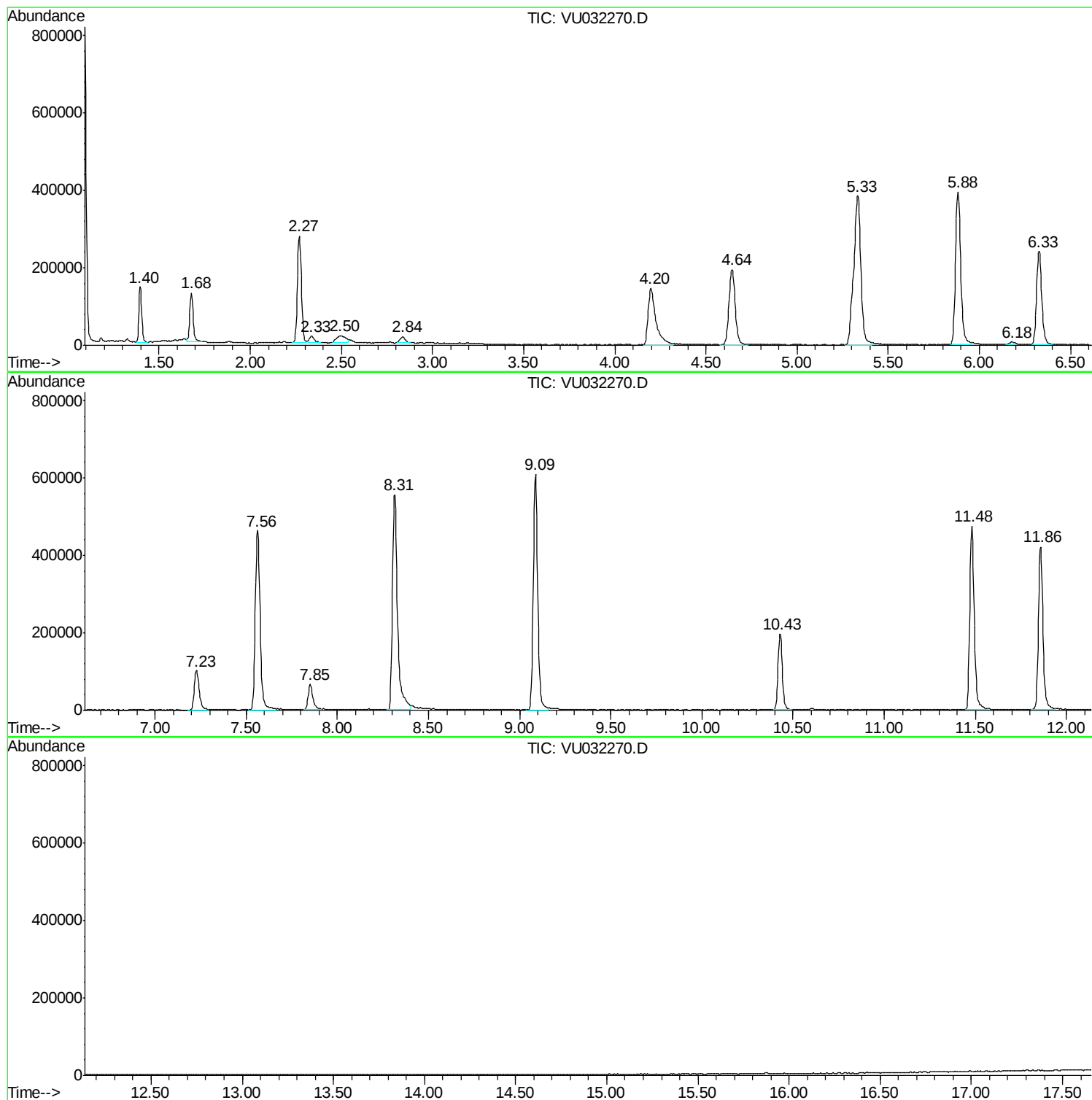
Sum of corrected areas: 9260617

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Instrument :  
MSVOA\_U  
ClientSampled :  
C0XJ1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR052219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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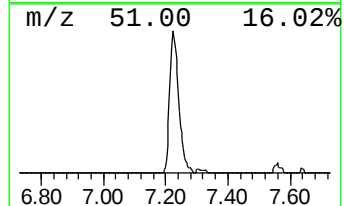
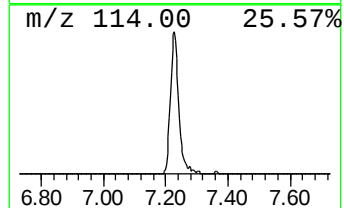
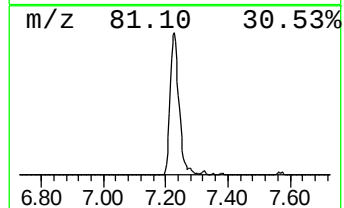
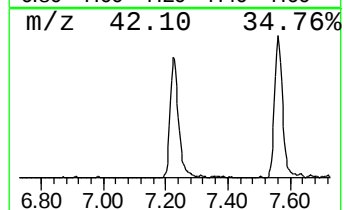
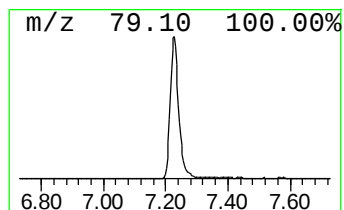
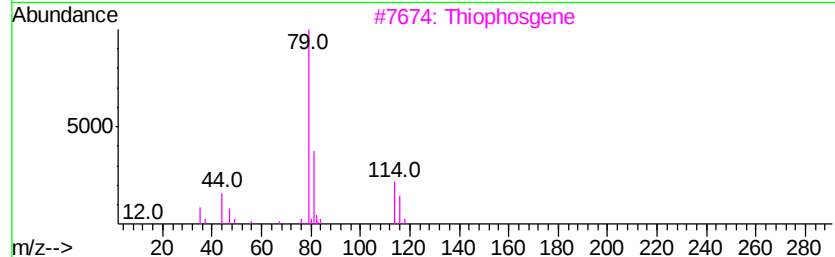
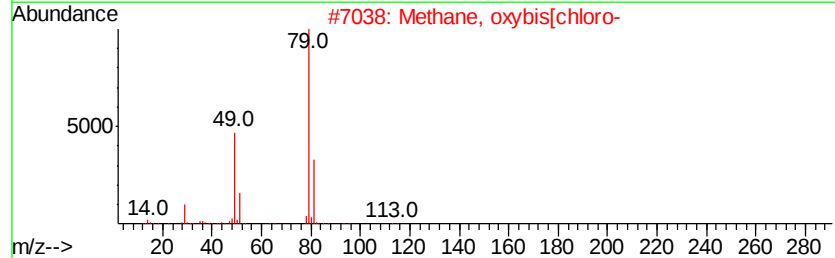
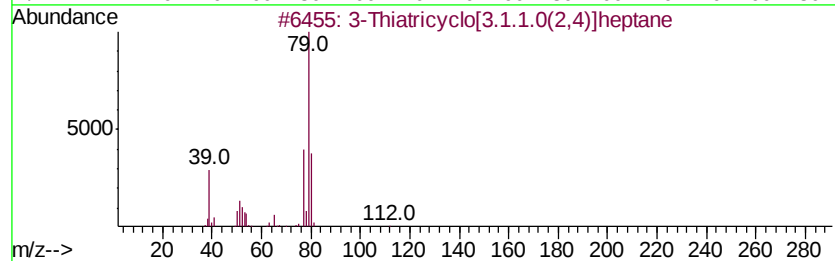
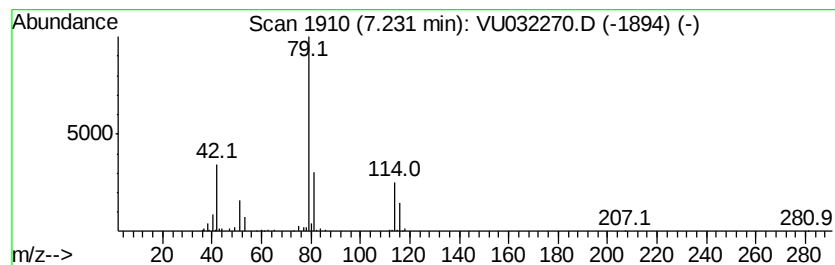
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 7.23 | 1.25 ug/L | 198823 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 3-Thiatricyclo[3.1.1.0(2,4)]heptane | 112 | C6H8S    | 1000221-37-0 | 47   |
| 2    |    | Methane, oxybis[chloro-             | 114 | C2H4Cl2O | 000542-88-1  | 47   |
| 3    |    | Thiophosgene                        | 114 | CCl2S    | 000463-71-8  | 45   |
| 4    |    | 1,3,5-Hexatriene, (Z)-              | 80  | C6H8     | 002612-46-6  | 38   |
| 5    |    | 1,3-Cyclohexadiene                  | 80  | C6H8     | 000592-57-4  | 28   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown-01       | 7.23 | 1.3     | ug/L  | 198823   | 1                     | 5.88 | 798014 | 5.0  |