

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060419\  
 Data File : VU032446.D  
 Acq On : 04 Jun 2019 22:52  
 Operator : JC/SP  
 Sample : K3081-21  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 27 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\SOMUTR060419WMA.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         | 1.180       | 23            | 28          | 33           | rBV2     | 3729           | 3867          | 1.10%           | 0.137%        |
| 2         | 1.395       | 88            | 95          | 104          | rBV      | 44955          | 47804         | 13.56%          | 1.700%        |
| 3         | 1.576       | 134           | 151         | 160          | rVB5     | 16091          | 39288         | 11.14%          | 1.397%        |
| 4         | 1.669       | 173           | 180         | 193          | rVB      | 34572          | 43723         | 12.40%          | 1.555%        |
| 5         | 2.267       | 356           | 366         | 378          | rBV      | 77159          | 117050        | 33.19%          | 4.162%        |
| 6         | 4.183       | 946           | 962         | 989          | rBV      | 53320          | 140492        | 39.84%          | 4.995%        |
| 7         | 4.640       | 1083          | 1104        | 1126         | rBV2     | 54593          | 128913        | 36.56%          | 4.584%        |
| 8         | 5.331       | 1298          | 1319        | 1340         | rBV2     | 109737         | 303904        | 86.18%          | 10.805%       |
| 9         | 5.878       | 1477          | 1489        | 1510         | rBV      | 117232         | 229942        | 65.21%          | 8.176%        |
| 10        | 6.177       | 1573          | 1582        | 1593         | rVB8     | 2405           | 4648          | 1.32%           | 0.165%        |
| 11        | 6.325       | 1615          | 1628        | 1647         | rBV      | 70061          | 141779        | 40.21%          | 5.041%        |
| 12        | 7.225       | 1897          | 1908        | 1928         | rBV2     | 36593          | 68418         | 19.40%          | 2.433%        |
| 13        | 7.559       | 1999          | 2012        | 2038         | rBV      | 144976         | 256282        | 72.68%          | 9.112%        |
| 14        | 7.849       | 2092          | 2102        | 2123         | rBV2     | 21206          | 38927         | 11.04%          | 1.384%        |
| 15        | 8.308       | 2234          | 2245        | 2276         | rBV      | 191636         | 352633        | 100.00%         | 12.538%       |
| 16        | 9.083       | 2472          | 2486        | 2527         | rBV      | 165220         | 286682        | 81.30%          | 10.193%       |
| 17        | 10.427      | 2893          | 2904        | 2919         | rBV      | 56932          | 92690         | 26.29%          | 3.296%        |
| 18        | 11.479      | 3220          | 3231        | 3263         | rBV      | 162679         | 277952        | 78.82%          | 9.883%        |
| 19        | 11.855      | 3337          | 3348        | 3371         | rBV      | 136834         | 237543        | 67.36%          | 8.446%        |

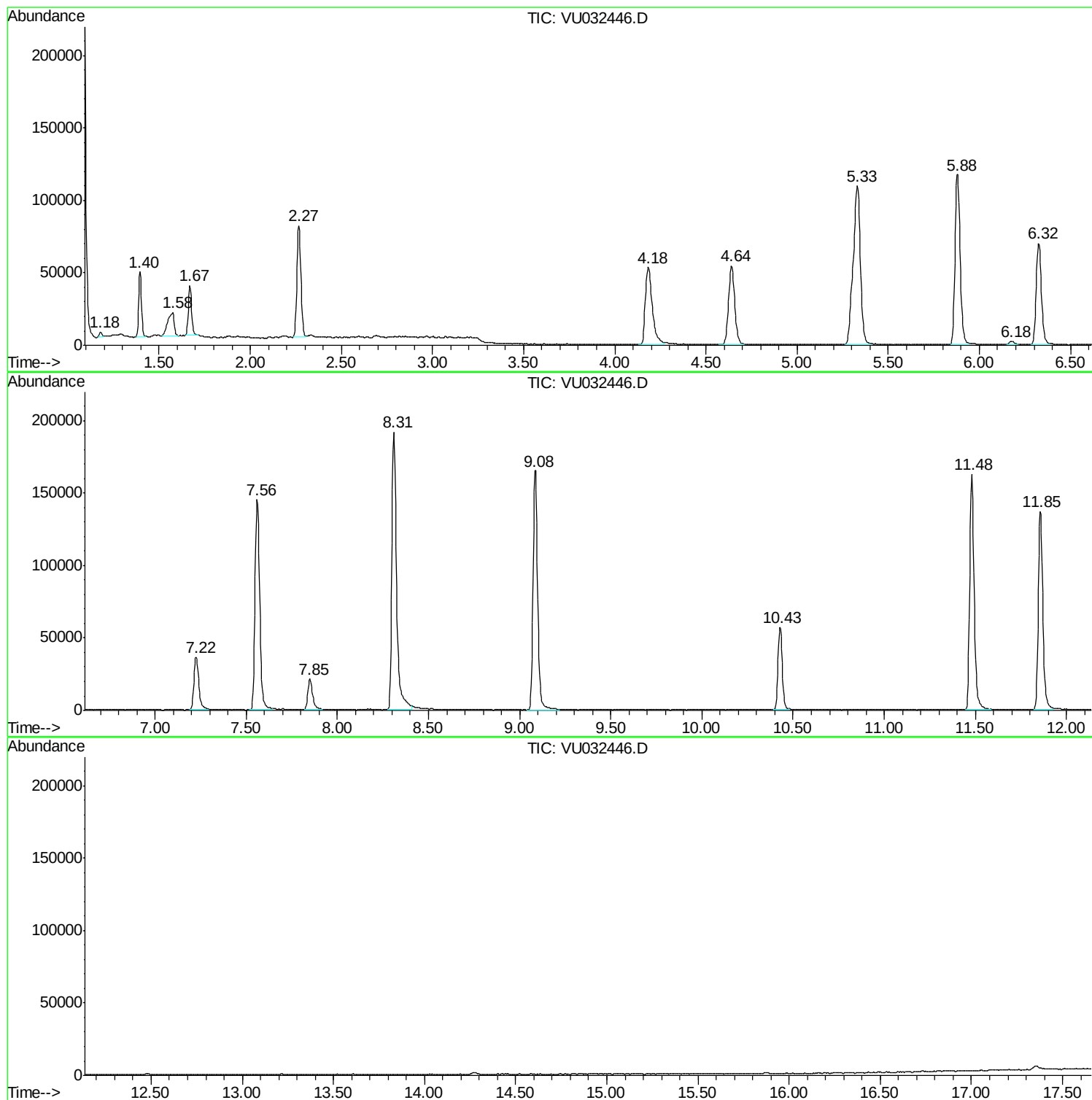
Sum of corrected areas: 2812537

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Quant Title : TRACE VOA SOM01.0

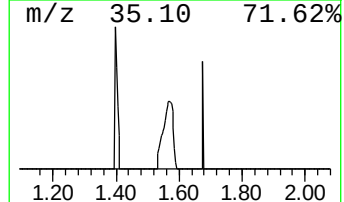
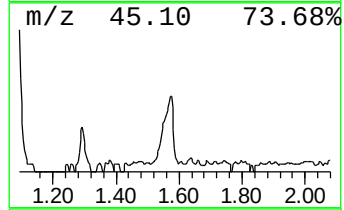
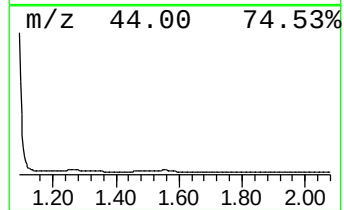
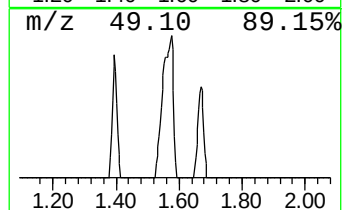
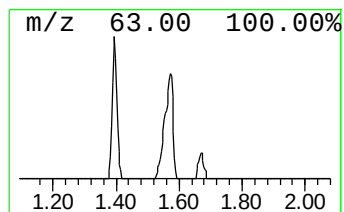
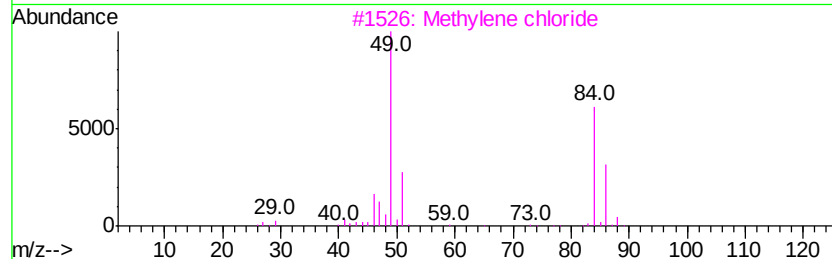
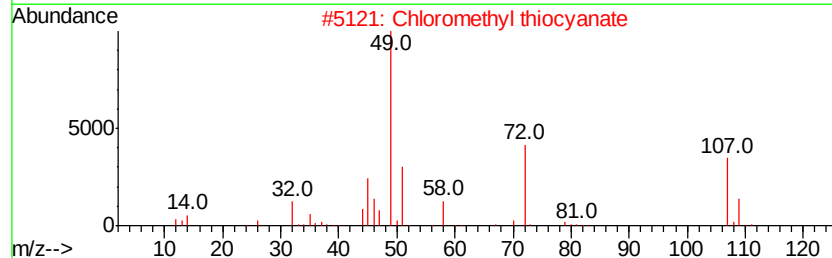
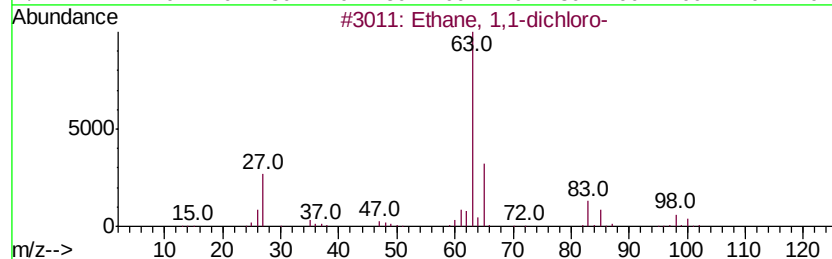
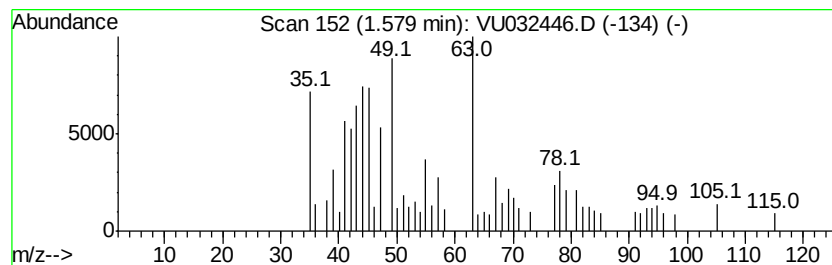
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.58 | 0.85 ug/L | 39288 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | Tentative ID             | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------|-----|----------|-------------|------|
| 1    | 5  | Ethane, 1,1-dichloro-    | 98  | C2H4Cl2  | 000075-34-3 | 14   |
| 2    |    | Chloromethyl thiocyanate | 107 | C2H2ClNS | 003268-79-9 | 10   |
| 3    |    | Methylene chloride       | 84  | CH2Cl2   | 000075-09-2 | 9    |
| 4    |    | Isobutyl chloroformate   | 136 | C5H9ClO2 | 000543-27-1 | 9    |
| 5    |    | Phosgene                 | 98  | CCl2O    | 000075-44-5 | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown-01       | 1.58 | 0.8     | ug/L  | 39288    | 1                     | 5.88 | 229942 | 5.0  |