

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
 Data File : VN049324.D  
 Acq On : 16 Jun 2018 21:37  
 Operator : MD\SY  
 Sample : J3562-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 W-20

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

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\_N\METHODS\82N061618W.M

Title : SW846 8260

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         | 1.658       | 3             | 21          | 45           | rBV      | 4238521        | 6307655       | 71.04%          | 12.981%       |
| 2         | 1.989       | 114           | 124         | 142          | rBV      | 242147         | 458186        | 5.16%           | 0.943%        |
| 3         | 6.834       | 1610          | 1631        | 1648         | rBV5     | 29039          | 91028         | 1.03%           | 0.187%        |
| 4         | 7.593       | 1843          | 1867        | 1878         | rBV2     | 1205248        | 3042310       | 34.26%          | 6.261%        |
| 5         | 7.667       | 1878          | 1890        | 1917         | rVB      | 1808385        | 4328747       | 48.75%          | 8.908%        |
| 6         | 8.027       | 1981          | 2002        | 2036         | rBV      | 1183741        | 2845592       | 32.05%          | 5.856%        |
| 7         | 8.255       | 2041          | 2073        | 2075         | rBV2     | 131238         | 568803        | 6.41%           | 1.171%        |
| 8         | 8.587       | 2160          | 2176        | 2208         | rBV      | 2575253        | 5570696       | 62.74%          | 11.464%       |
| 9         | 8.837       | 2244          | 2254        | 2280         | rVB2     | 55199          | 130818        | 1.47%           | 0.269%        |
| 10        | 10.091      | 2628          | 2644        | 2679         | rBV      | 4708167        | 8879265       | 100.00%         | 18.273%       |
| 11        | 10.632      | 2798          | 2812        | 2831         | rBV      | 951200         | 1732387       | 19.51%          | 3.565%        |
| 12        | 11.410      | 3035          | 3054        | 3084         | rBV      | 3349680        | 6080113       | 68.48%          | 12.512%       |
| 13        | 12.403      | 3349          | 3363        | 3382         | rBV      | 2609881        | 4651116       | 52.38%          | 9.572%        |
| 14        | 13.348      | 3643          | 3657        | 3676         | rBV      | 2294744        | 3905867       | 43.99%          | 8.038%        |

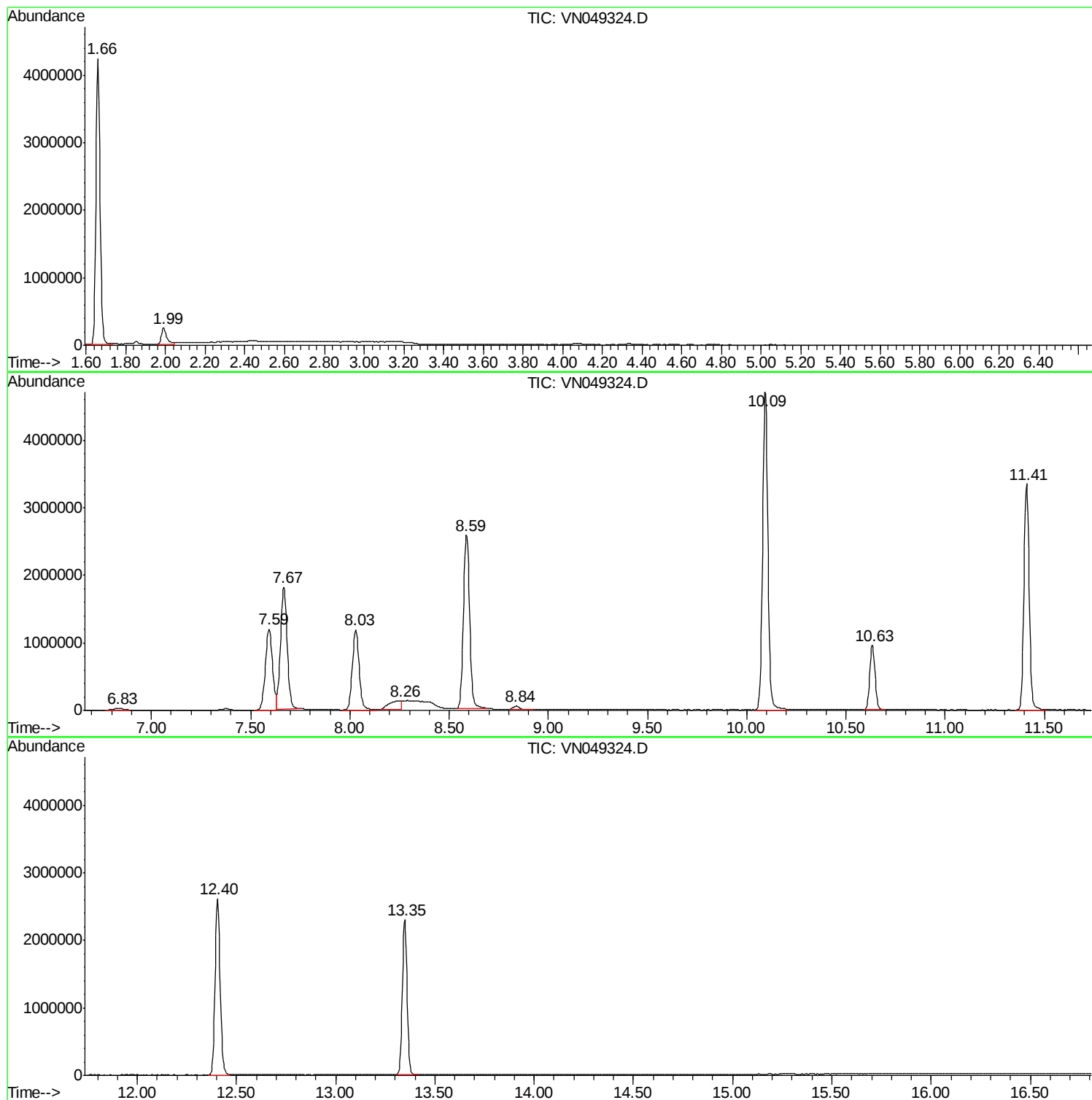
Sum of corrected areas: 48592583

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260

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



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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T.    | EstConc   | Area                      | Relative to ISTD   | R.T.           |
|---------|-----------|---------------------------|--------------------|----------------|
| 1.99    | 5.29 ug/l | 458186                    | Pentafluorobenzene | 7.67           |
| Hit# of | 5         | Tentative ID              | MW MolForm         | CAS# Qual      |
| 1       |           | Sulfur dioxide            | 64 O2S             | 007446-09-5 83 |
| 2       |           | Aminomethanesulfonic acid | 111 CH5NO3S        | 013881-91-9 74 |
| 3       |           | L-Alanine, 3-sulfo-       | 169 C3H7NO5S       | 000498-40-8 9  |
| 4       |           | Ethene, 1,1-difluoro-     | 64 C2H2F2          | 000075-38-7 7  |
| 5       |           | Ethyl Chloride            | 64 C2H5Cl          | 000075-00-3 3  |

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Peak Number 2 Acetic acid Concentration Rank 3

| R.T.    | EstConc   | Area                                | Relative to ISTD    | R.T.            |
|---------|-----------|-------------------------------------|---------------------|-----------------|
| 8.26    | 5.11 ug/l | 568803                              | 1,4-Difluorobenzene | 8.59            |
| Hit# of | 5         | Tentative ID                        | MW MolForm          | CAS# Qual       |
| 1       |           | Acetic acid                         | 60 C2H4O2           | 000064-19-7 90  |
| 2       |           | Hydrazine, 1,2-dimethyl-            | 60 C2H8N2           | 000540-73-8 64  |
| 3       |           | Ammonium acetate                    | 77 C2H7NO2          | 000631-61-8 43  |
| 4       |           | Cyclohexan-1,4,5-triol-3-one-1-c... | 190 C7H10O6         | 1000128-45-5 40 |
| 5       |           | Hydroperoxide, 1-methylpentyl       | 118 C6H14O2         | 024254-55-5 36  |

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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| Sulfur dioxide   | 1.99 | 5.3     | ug/l  | 458186   | 1                     | 7.67 | 4328750 | 50.0 |
| Acetic acid      | 8.26 | 5.1     | ug/l  | 568803   | 2                     | 8.59 | 5570700 | 50.0 |