LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
Data File : VN072507.D
Acq On : 16 May 2022 17:44
Operator : JC\MD
Sample : N2837-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
TT-TB-20220512

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN072507.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.240 | 37 | 43 | 50 | rBV2 | 11468 | 29330 | 5.68% | 1.483% |
| 2 | 2.781 | 123 | 135 | 141 | rVB6 | 13054 | 38781 | 7.51% | 1.961% |
| 3 | 4.587 | 433 | 442 | 448 | rBV4 | 7355 | 19654 | 3.81% | 0.994% |
| 4 | 7.310 | 898 | 905 | 914 | rBV4 | 4509 | 13396 | 2.59% | 0.677% |
| 5 | 7.657 | 953 | 964 | 976 | rBV3 | 67439 | 177447 | 34.35% | 8.973% |
| 6 | 8.433 | 1088 | 1096 | 1109 | rVB2 | 91144 | 213567 | 41.35% | 10.800% |
| 7 | 8.963 | 1179 | 1186 | 1197 | rBV | 155136 | 322595 | 62.46% | 16.313% |
| 8 | 10.439 | 1428 | 1437 | 1446 | rBV | 282875 | 516512 | 100.00% | 26.120% |
| 9 | 11.080 | 1543 | 1546 | 1552 | rBV3 | 4059 | 6573 | 1.27% | 0.332% |
| 10 | 11.739 | 1649 | 1658 | 1669 | rBV | 190887 | 353045 | 68.35% | 17.853% |
| 11 | 12.727 | 1820 | 1826 | 1837 | rVB | 156750 | 274180 | 53.08% | 13.865% |
| 12 | 13.610 | 1970 | 1976 | 1982 | rVV5 | 4234 | 6837 | 1.32% | 0.346% |
| 13 | 13.939 | 2028 | 2032 | 2037 | rBV3 | 3140 | 5559 | 1.08% | 0.281% |

Sum of corrected areas: 1977476

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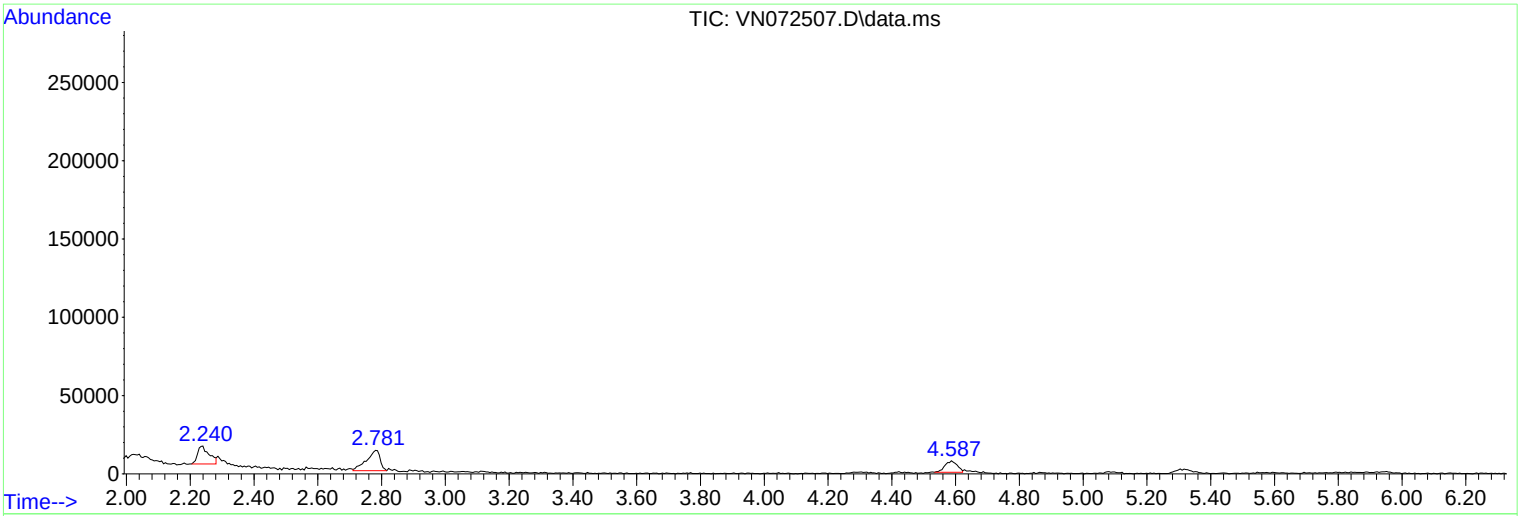
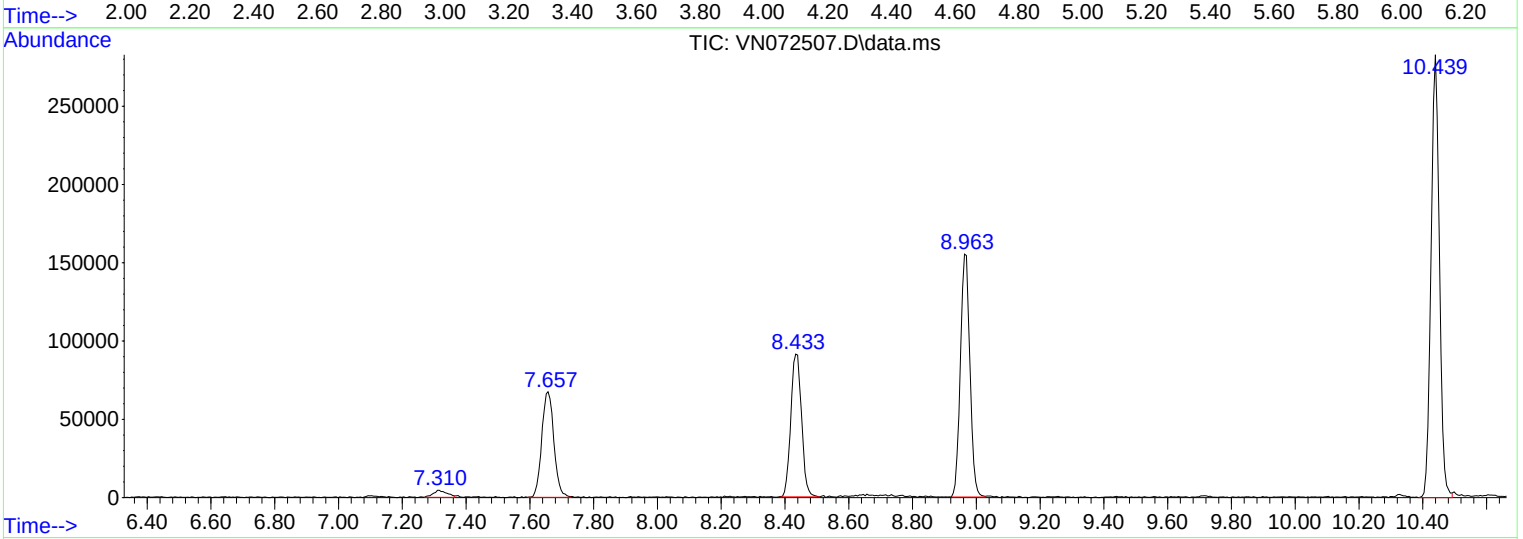
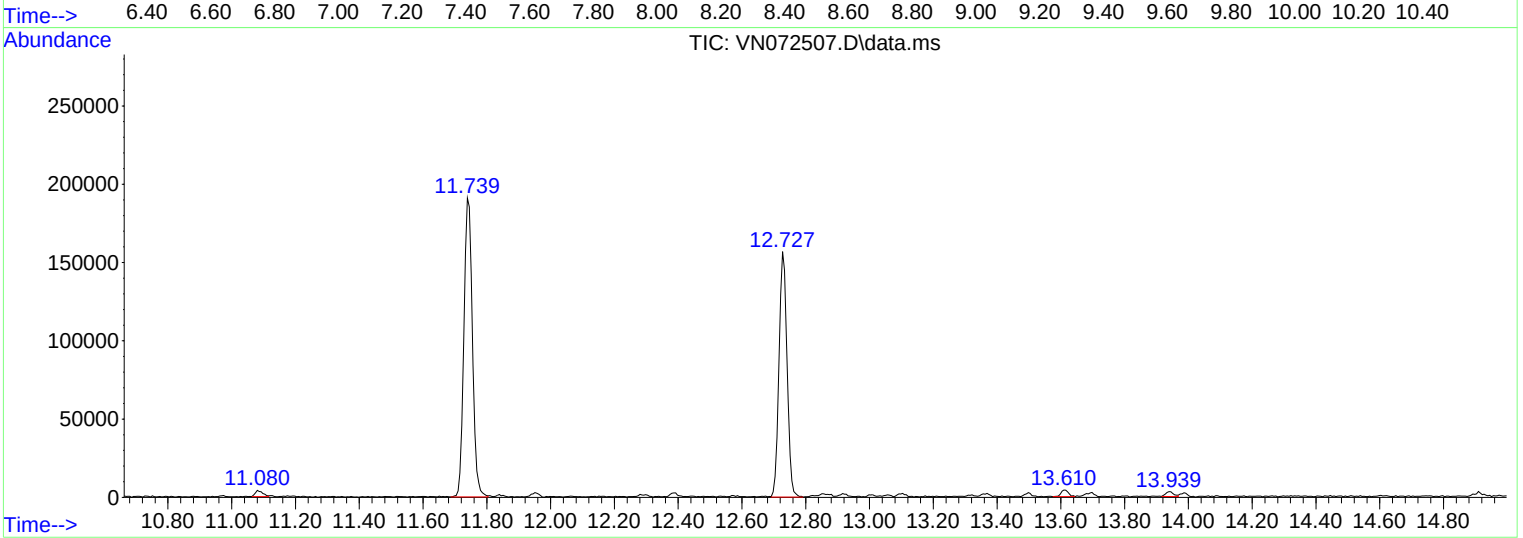
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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TT-TB-20220512

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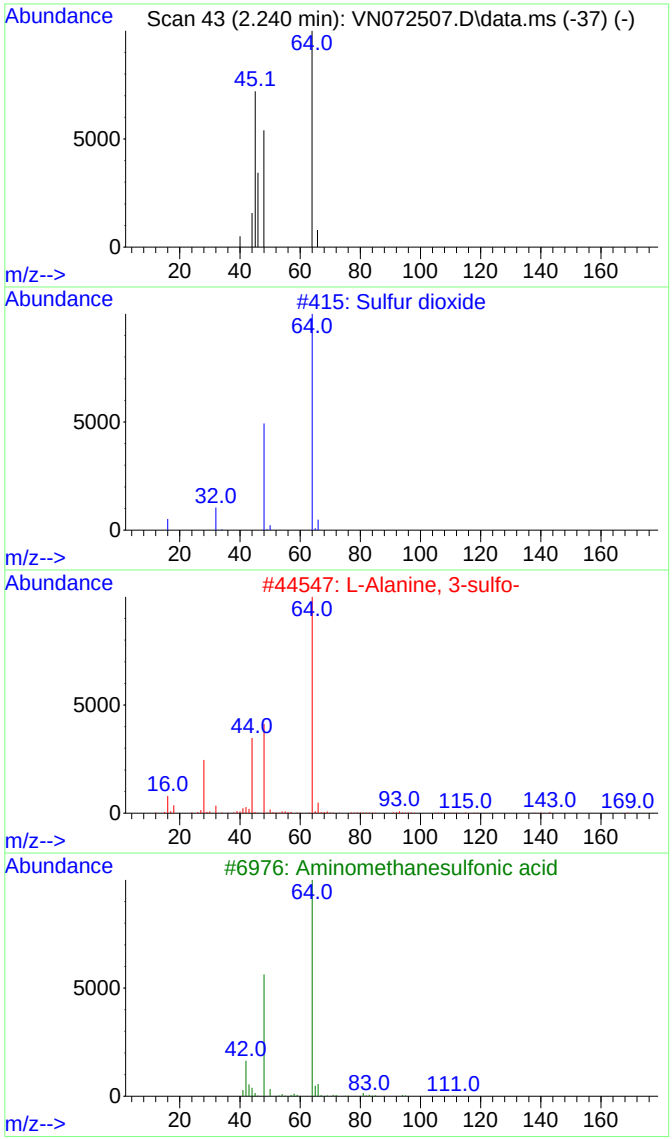
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

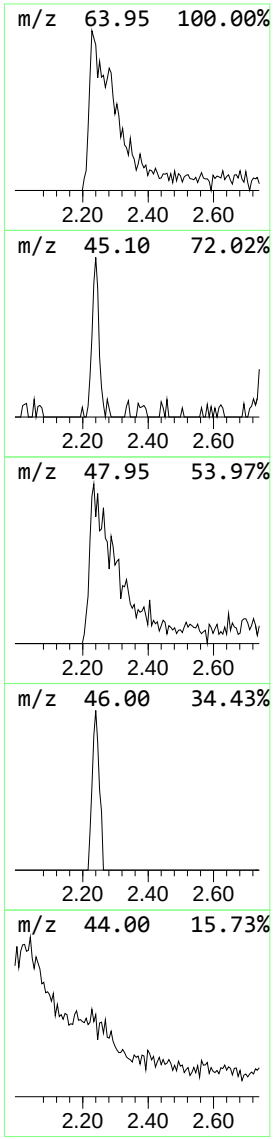
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.240 | 4.96 ug/l | 29330 | Bromochloromethane | 7.651 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 56 |
| 2 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 3 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 4 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |
| 5 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |



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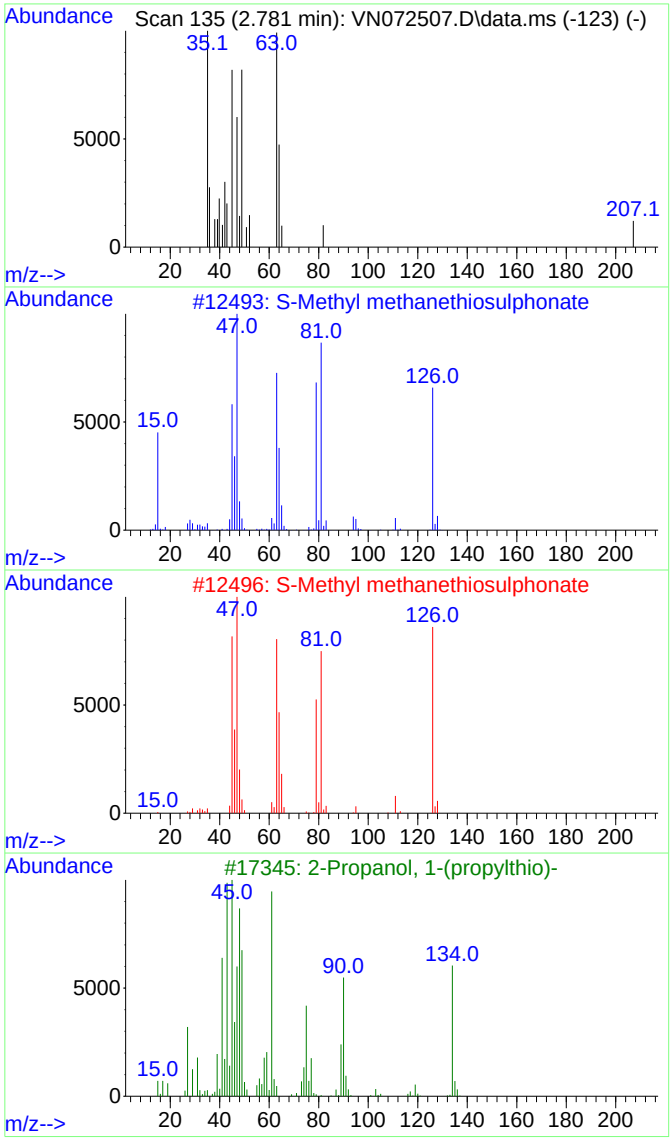
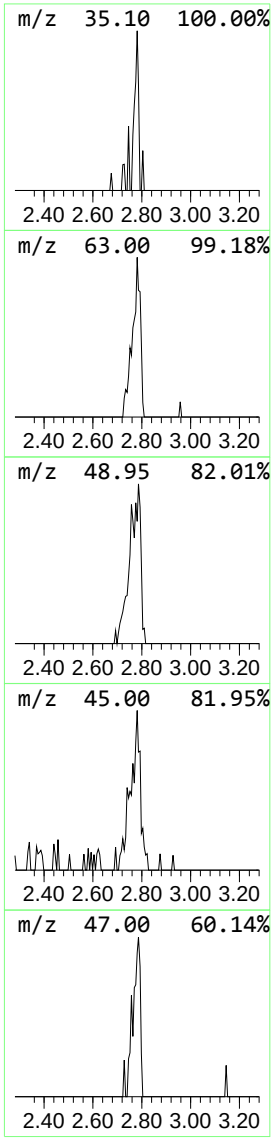
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 unknown2.781 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.781 | 6.56 ug/l | 38781 | Bromochloromethane | 7.651 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | S-Methyl methanethiosulphonate | 126 | C2H6O2S2 | 002949-92-0 | 17 |
| 2 | S-Methyl methanethiosulphonate | 126 | C2H6O2S2 | 002949-92-0 | 9 |
| 3 | 2-Propanol, 1-(propylthio)- | 134 | C6H14OS | 053957-22-5 | 9 |
| 4 | 3-Azabicyclo[3.1.0]hexane-1,5-di... | 161 | C7H3N3O2 | 1000338-38-7 | 9 |
| 5 | o,S,S'-Trimethyl phosphorotrithi... | 188 | C3H9OPS3 | 1000306-06-4 | 9 |



Tentatively Identified Compound (LSC) summary

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Sulfur dioxide | 2.240 | 5.0 | ug/l | 29330 | 1 | 7.651 | 177447 | 30.0 |
| unknown2.781 | 2.781 | 6.6 | ug/l | 38781 | 1 | 7.651 | 177447 | 30.0 |