LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082007.D
Acq On : 06 May 2024 14:10
Operator : JC\MD
Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

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\624N042624W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN082007.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.412 | 73 | 78 | 79 | rBV2 | 12097 | 15495 | 1.33% | 0.291% |
| 2 | 2.836 | 145 | 150 | 162 | rVB4 | 28669 | 79211 | 6.82% | 1.485% |
| 3 | 4.424 | 409 | 420 | 432 | rBV | 390427 | 1160755 | 100.00% | 21.764% |
| 4 | 4.524 | 432 | 437 | 447 | rVB3 | 18528 | 48407 | 4.17% | 0.908% |
| 5 | 4.712 | 456 | 469 | 480 | rBV2 | 103909 | 357803 | 30.83% | 6.709% |
| 6 | 7.483 | 930 | 940 | 950 | rBV2 | 62399 | 162460 | 14.00% | 3.046% |
| 7 | 7.812 | 983 | 996 | 1009 | rBV3 | 106067 | 306501 | 26.41% | 5.747% |
| 8 | 8.577 | 1114 | 1126 | 1139 | rBV | 111716 | 247681 | 21.34% | 4.644% |
| 9 | 8.694 | 1139 | 1146 | 1151 | rBV3 | 5389 | 13824 | 1.19% | 0.259% |
| 10 | 9.100 | 1206 | 1215 | 1224 | rBV | 230766 | 480908 | 41.43% | 9.017% |
| 11 | 10.382 | 1426 | 1433 | 1440 | rVV2 | 47652 | 101015 | 8.70% | 1.894% |
| 12 | 10.447 | 1440 | 1444 | 1449 | rVB3 | 10657 | 17505 | 1.51% | 0.328% |
| 13 | 10.571 | 1456 | 1465 | 1470 | rBV | 366211 | 672558 | 57.94% | 12.610% |
| 14 | 10.629 | 1470 | 1475 | 1489 | rVV | 185074 | 344505 | 29.68% | 6.459% |
| 15 | 10.800 | 1497 | 1504 | 1511 | rVB2 | 44239 | 74395 | 6.41% | 1.395% |
| 16 | 11.294 | 1583 | 1588 | 1598 | rVB5 | 6711 | 11616 | 1.00% | 0.218% |
| 17 | 11.865 | 1675 | 1685 | 1696 | rBV | 306289 | 559032 | 48.16% | 10.482% |
| 18 | 12.070 | 1714 | 1720 | 1728 | rBV4 | 13163 | 24020 | 2.07% | 0.450% |
| 19 | 12.400 | 1771 | 1776 | 1783 | rBV6 | 6652 | 12724 | 1.10% | 0.239% |
| 20 | 12.853 | 1844 | 1853 | 1866 | rVB3 | 216064 | 424021 | 36.53% | 7.950% |
| 21 | 13.441 | 1947 | 1953 | 1958 | rBV3 | 23236 | 44144 | 3.80% | 0.828% |
| 22 | 13.482 | 1958 | 1960 | 1962 | rVV3 | 9907 | 12066 | 1.04% | 0.226% |
| 23 | 13.512 | 1962 | 1965 | 1970 | rVV6 | 10315 | 19446 | 1.68% | 0.365% |
| 24 | 13.706 | 1992 | 1998 | 2006 | rBV7 | 23132 | 48576 | 4.18% | 0.911% |
| 25 | 13.876 | 2021 | 2027 | 2034 | rVB2 | 33729 | 60007 | 5.17% | 1.125% |
| 26 | 14.247 | 2085 | 2090 | 2096 | rBV7 | 7198 | 12463 | 1.07% | 0.234% |
| 27 | 14.453 | 2117 | 2125 | 2129 | rBV6 | 11602 | 22256 | 1.92% | 0.417% |

Sum of corrected areas: 5333394

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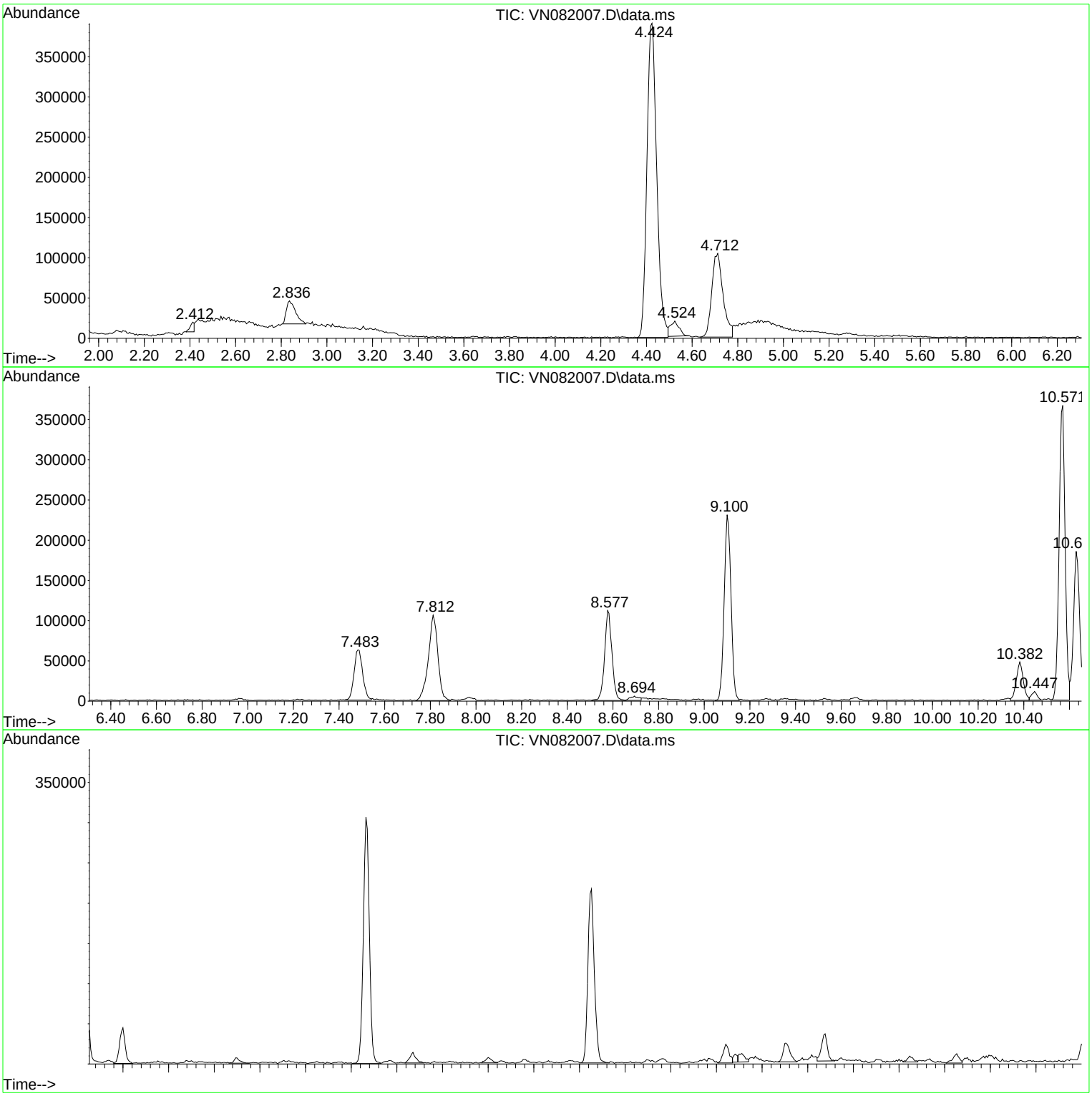
Data File : VN082007.D
Acq On : 06 May 2024 14:10
Operator : JC\MD
Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082007.D
Acq On : 06 May 2024 14:10
Operator : JC\MD
Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

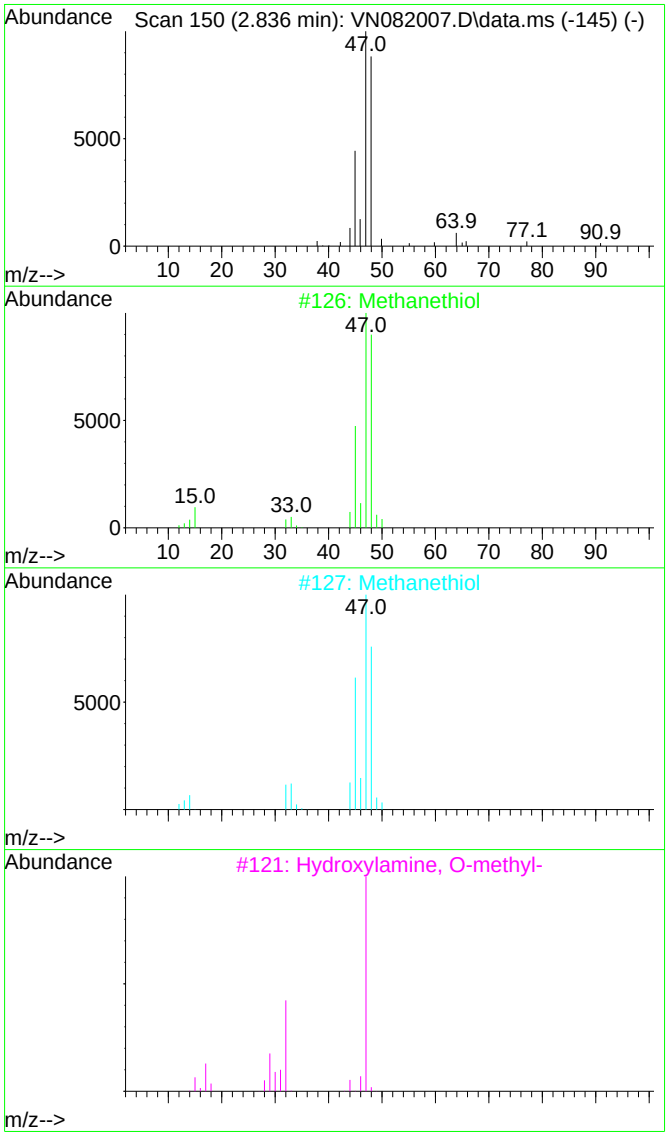
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

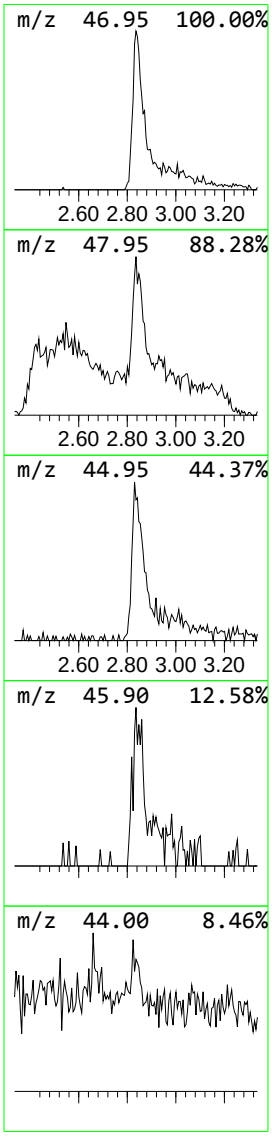
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Methanethiol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.836 | 7.75 ug/l | 79211 | Bromochloromethane | 7.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methanethiol | 48 | CH4S | 000074-93-1 | 90 |
| 2 | Methanethiol | 48 | CH4S | 000074-93-1 | 83 |
| 3 | Hydroxylamine, O-methyl- | 47 | CH5NO | 000067-62-9 | 7 |
| 4 | Hydroxylamine, O-methyl- | 47 | CH5NO | 000067-62-9 | 7 |
| 5 | Ethanol | 46 | C2H6O | 000064-17-5 | 5 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082007.D
Acq On : 06 May 2024 14:10
Operator : JC\MD
Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

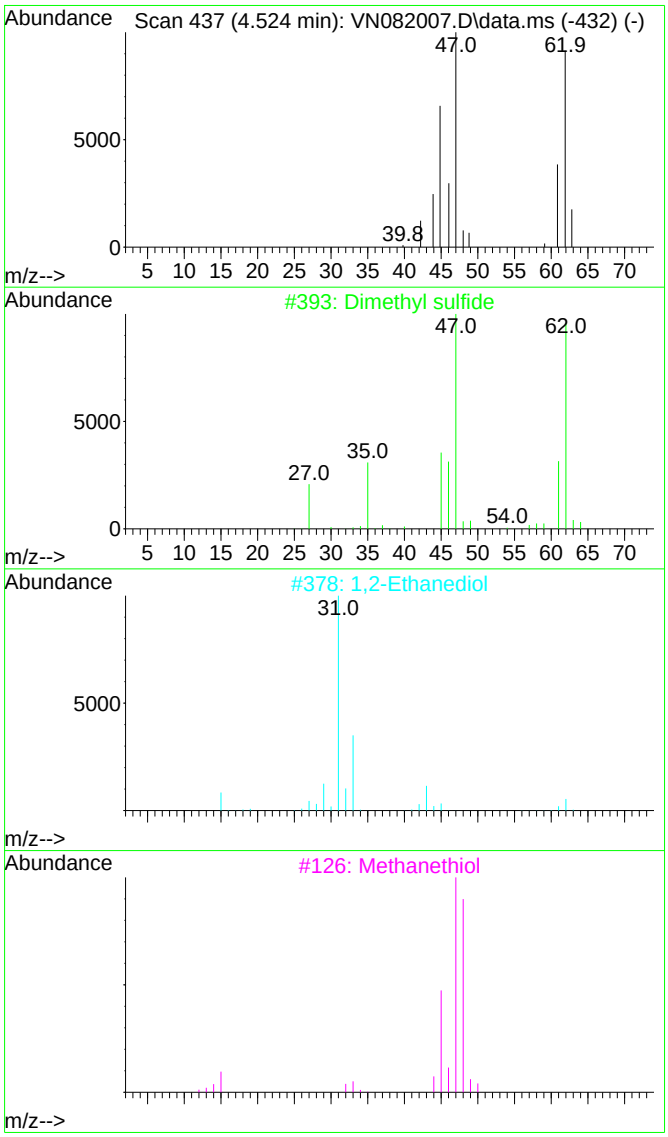
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

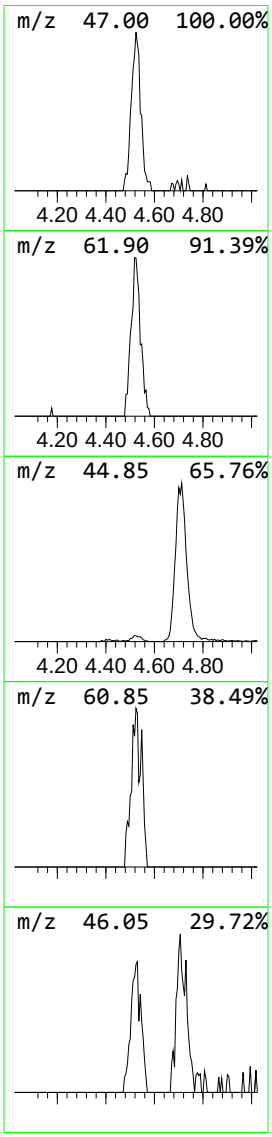
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Dimethyl sulfide Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.524 | 4.74 ug/l | 48407 | Bromochloromethane | 7.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dimethyl sulfide | 62 | C2H6S | 000075-18-3 | 86 |
| 2 | 1,2-Ethanediol | 62 | C2H6O2 | 000107-21-1 | 4 |
| 3 | Methanethiol | 48 | CH4S | 000074-93-1 | 4 |
| 4 | Methanethiol | 48 | CH4S | 000074-93-1 | 4 |
| 5 | Propane, 2-fluoro- | 62 | C3H7F | 000420-26-8 | 4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082007.D
Acq On : 06 May 2024 14:10
Operator : JC\MD
Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

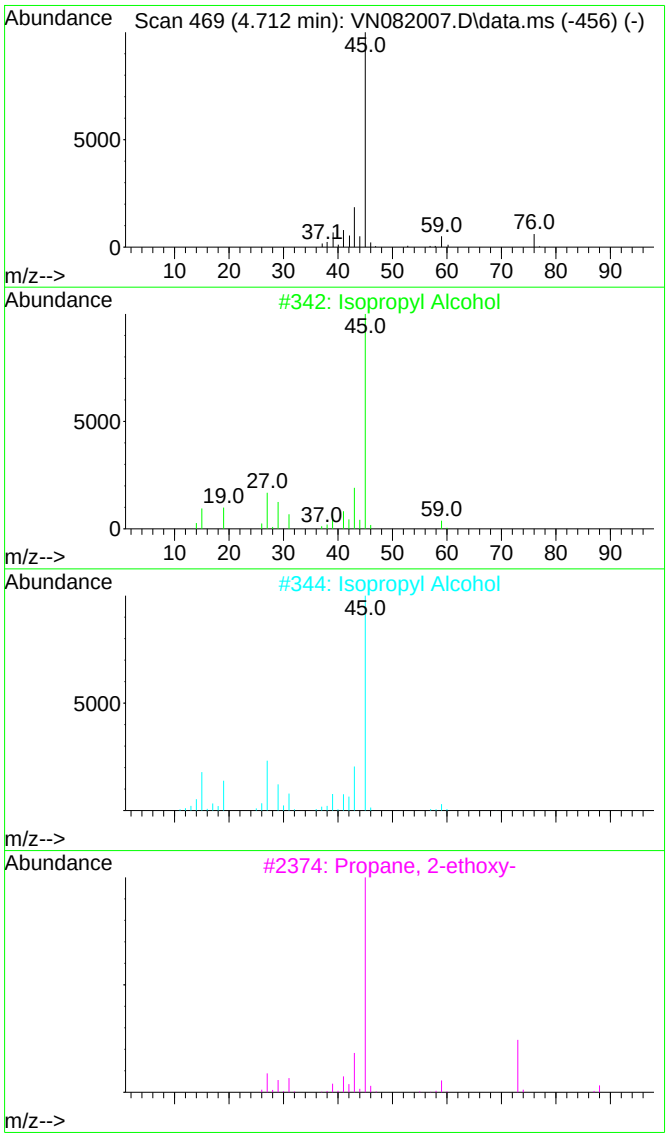
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

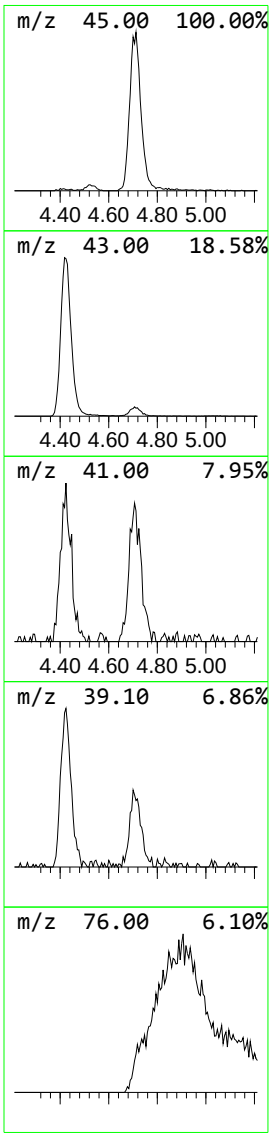
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Isopropyl Alcohol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.712 | 35.02 ug/l | 357803 | Bromochloromethane | 7.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 72 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 72 |
| 3 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 64 |
| 4 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 64 |
| 5 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082007.D
Acq On : 06 May 2024 14:10
Operator : JC\MD
Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

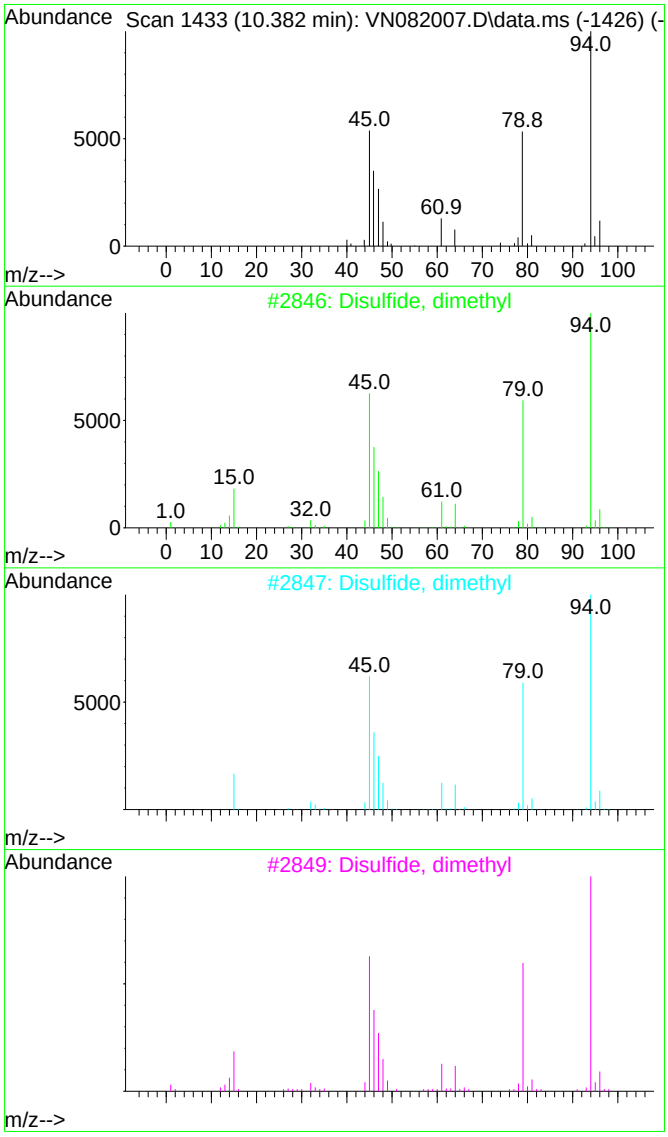
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

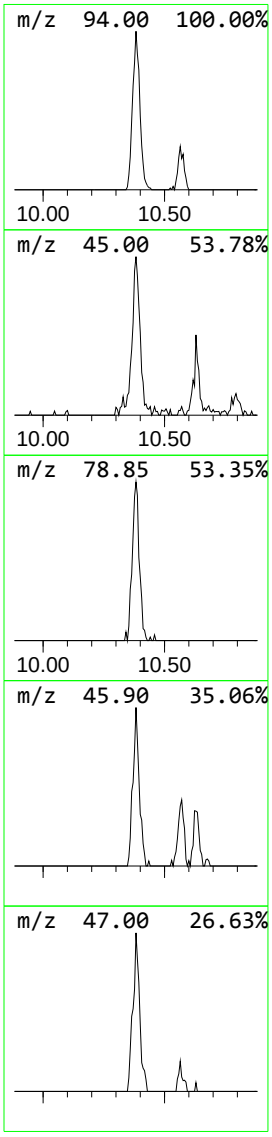
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Disulfide, dimethyl Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.382 | 6.30 ug/l | 101015 | 1,4-Difluorobenzene | 9.100 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Disulfide, dimethyl | 94 | C2H6S2 | 000624-92-0 | 91 |
| 2 | Disulfide, dimethyl | 94 | C2H6S2 | 000624-92-0 | 91 |
| 3 | Disulfide, dimethyl | 94 | C2H6S2 | 000624-92-0 | 91 |
| 4 | Disulfide, dimethyl | 94 | C2H6S2 | 000624-92-0 | 91 |
| 5 | Disulfide, dimethyl | 94 | C2H6S2 | 000624-92-0 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082007.D
Acq On : 06 May 2024 14:10
Operator : JC\MD
Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

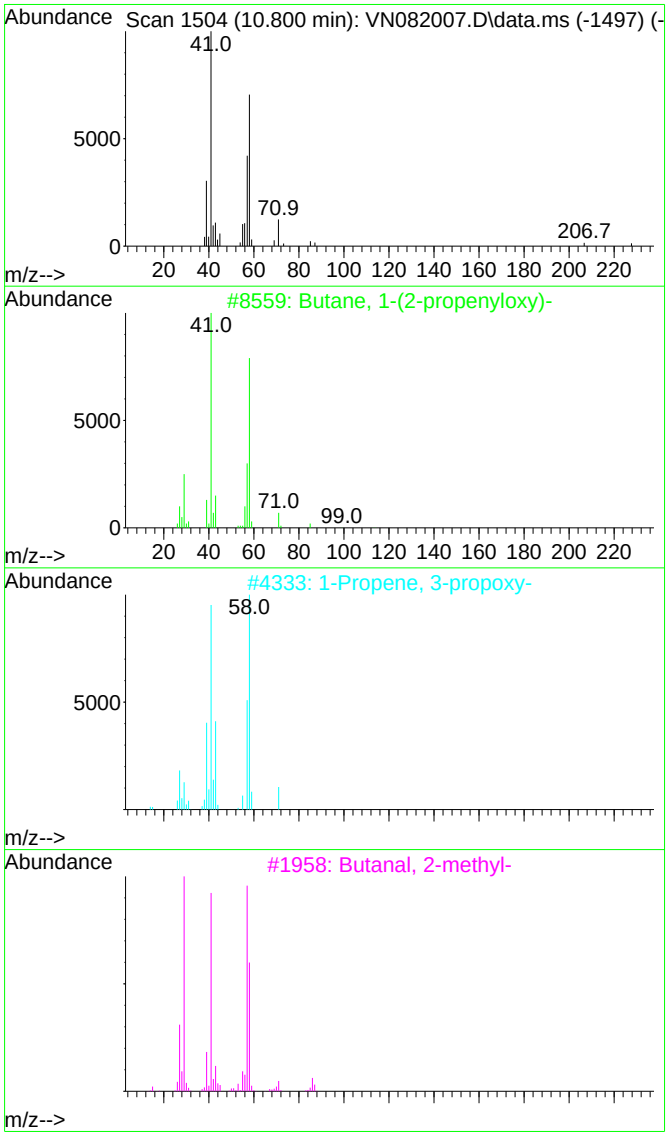
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

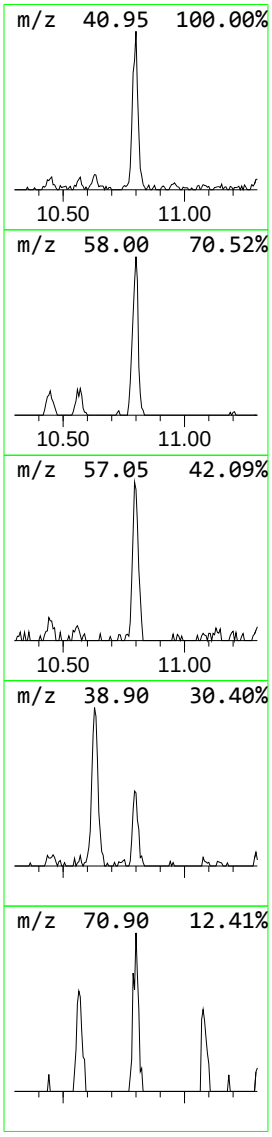
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Butane, 1-(2-propenyloxy)- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.800 | 3.99 ug/l | 74395 | Chlorobenzene-d5 | 11.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 1-(2-propenyloxy)- | 114 | C7H14O | 003739-64-8 | 56 |
| 2 | 1-Propene, 3-propoxy- | 100 | C6H12O | 001471-03-0 | 50 |
| 3 | Butanal, 2-methyl- | 86 | C5H10O | 000096-17-3 | 39 |
| 4 | Zotepine | 331 | C18H18ClNOS | 026615-21-4 | 38 |
| 5 | 2-S-[N,N-Dimethylaminomethyl]mer... | 211 | C10H13NO2S | 1000212-09-3 | 37 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082007.D
Acq On : 06 May 2024 14:10
Operator : JC\MD
Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

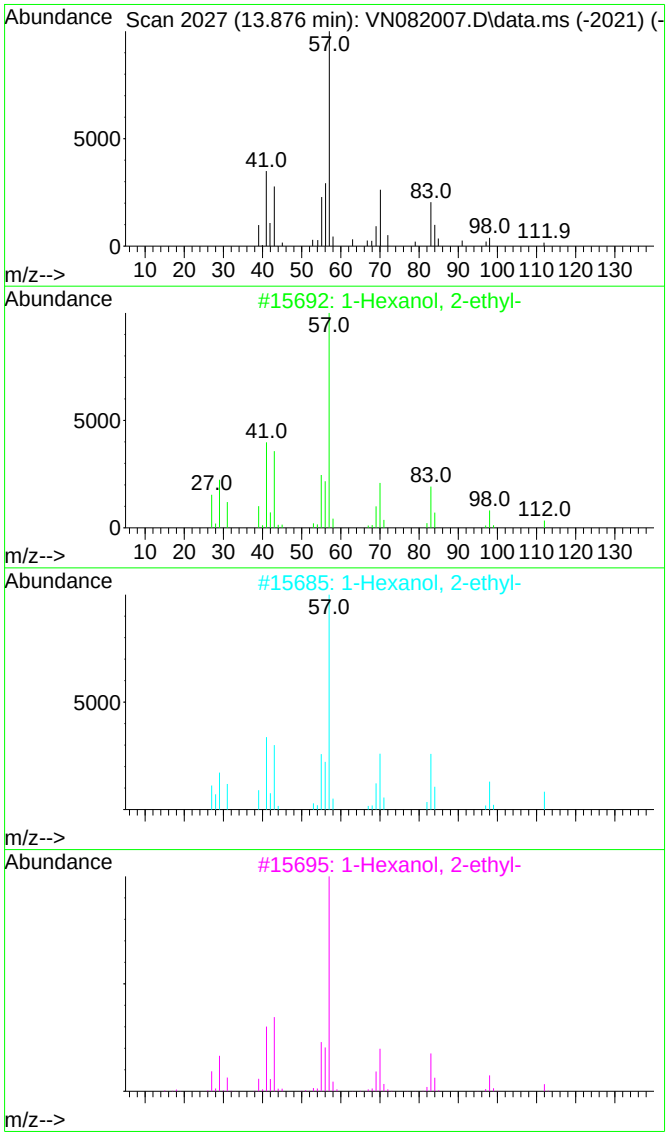
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

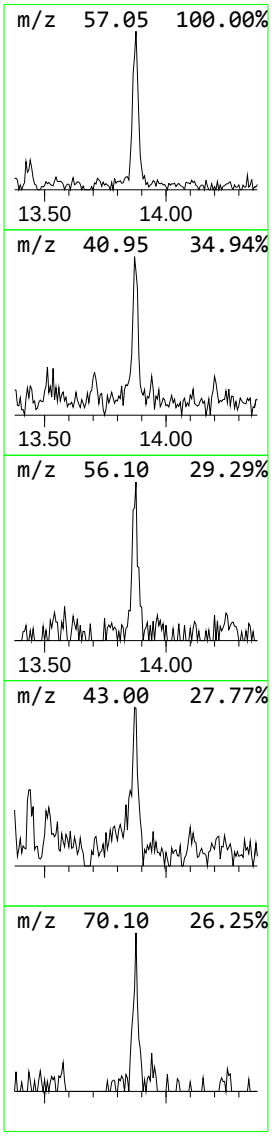
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.876 | 3.22 ug/l | 60007 | Chlorobenzene-d5 | 11.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 64 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 59 |
| 3 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 56 |
| 4 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 50 |
| 5 | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1010309-37-4 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082007.D
Acq On : 06 May 2024 14:10
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Sample : P2382-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
002-35TH-AVE(MAY)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
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 |
| Methanethiol | 2.836 | 7.8 | ug/l | 79211 | 1 | 7.812 | 306501 | 30.0 |
| Dimethyl sulfide | 4.524 | 4.7 | ug/l | 48407 | 1 | 7.812 | 306501 | 30.0 |
| Isopropyl Alcohol | 4.712 | 35.0 | ug/l | 357803 | 1 | 7.812 | 306501 | 30.0 |
| Disulfide, dime... | 10.382 | 6.3 | ug/l | 101015 | 2 | 9.100 | 480908 | 30.0 |
| Butane, 1-(2-pr... | 10.800 | 4.0 | ug/l | 74395 | 3 | 11.871 | 559032 | 30.0 |
| 1-Hexanol, 2-et... | 13.876 | 3.2 | ug/l | 60007 | 3 | 11.871 | 559032 | 30.0 |