

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120624\  
 Data File : VN085135.D  
 Acq On : 06 Dec 2024 18:27  
 Operator : JC\MD  
 Sample : P5139-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 001-WILLETS-PT-BLVD(DEC)

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\624N120624W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN085135.D\data.ms

| 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         | 2.318       | 51            | 62          | 92           | rBV      | 371063         | 1337806       | 89.82%          | 23.154%       |
| 2         | 2.830       | 144           | 149         | 159          | rVB      | 9555           | 22666         | 1.52%           | 0.392%        |
| 3         | 4.424       | 409           | 420         | 430          | rBV      | 263367         | 771214        | 51.78%          | 13.348%       |
| 4         | 4.524       | 430           | 437         | 451          | rVB2     | 63950          | 190560        | 12.79%          | 3.298%        |
| 5         | 4.706       | 457           | 468         | 484          | rBV2     | 37747          | 132449        | 8.89%           | 2.292%        |
| 6         | 7.489       | 934           | 941         | 949          | rVB      | 6932           | 15598         | 1.05%           | 0.270%        |
| 7         | 7.812       | 984           | 996         | 1006         | rBV3     | 73285          | 193028        | 12.96%          | 3.341%        |
| 8         | 8.571       | 1118          | 1125        | 1135         | rBV2     | 73087          | 172204        | 11.56%          | 2.980%        |
| 9         | 9.100       | 1206          | 1215        | 1224         | rBV      | 150543         | 306504        | 20.58%          | 5.305%        |
| 10        | 10.441      | 1437          | 1443        | 1450         | rBV      | 9891           | 17036         | 1.14%           | 0.295%        |
| 11        | 10.565      | 1455          | 1464        | 1469         | rBV      | 240391         | 437078        | 29.35%          | 7.565%        |
| 12        | 10.629      | 1469          | 1475        | 1487         | rVV      | 834092         | 1489372       | 100.00%         | 25.777%       |
| 13        | 11.865      | 1678          | 1685        | 1695         | rBV      | 212193         | 369561        | 24.81%          | 6.396%        |
| 14        | 12.847      | 1844          | 1852        | 1860         | rVB      | 142302         | 241790        | 16.23%          | 4.185%        |
| 15        | 13.729      | 1994          | 2002        | 2009         | rVB      | 19640          | 33288         | 2.24%           | 0.576%        |
| 16        | 13.870      | 2020          | 2026        | 2032         | rVB3     | 12614          | 21256         | 1.43%           | 0.368%        |
| 17        | 14.488      | 2127          | 2131        | 2138         | rVB4     | 17830          | 26502         | 1.78%           | 0.459%        |

Sum of corrected areas: 5777912

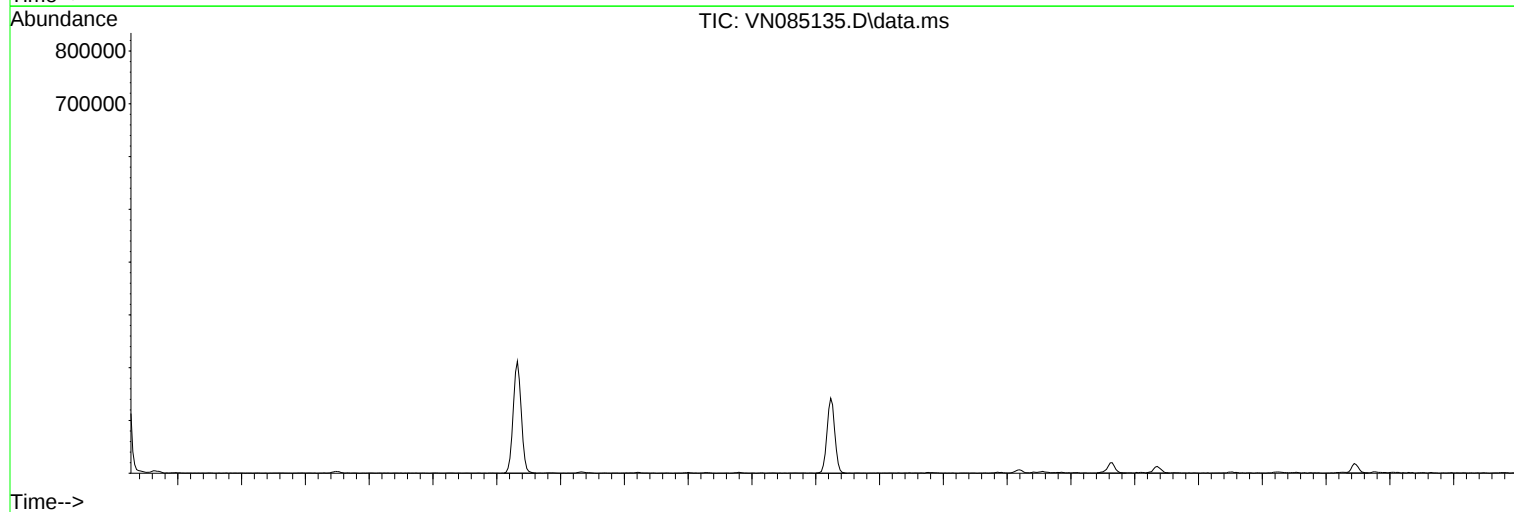
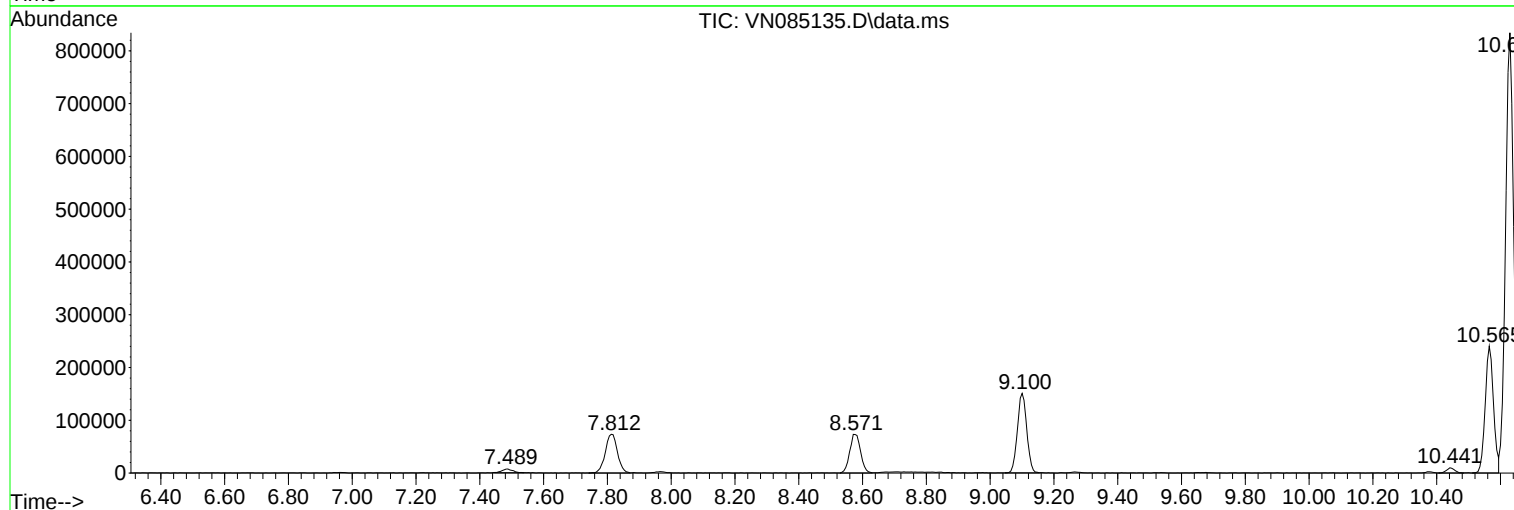
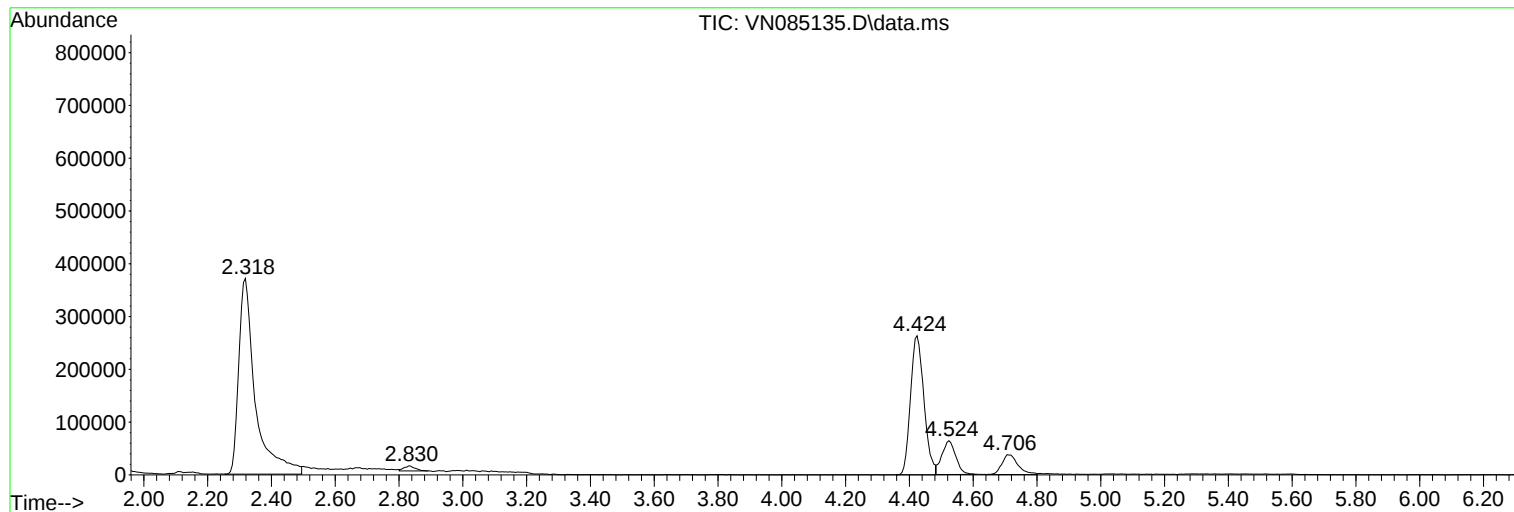
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120624\  
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Sample : P5139-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
001-WILLETS-PT-BLVD(DEC)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.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\VN120624\  
Data File : VN085135.D  
Acq On : 06 Dec 2024 18:27  
Operator : JC\MD  
Sample : P5139-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
001-WILLETS-PT-BLVD(DEC)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L

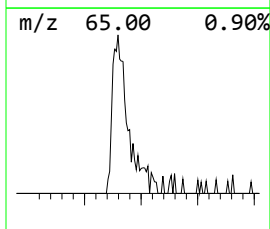
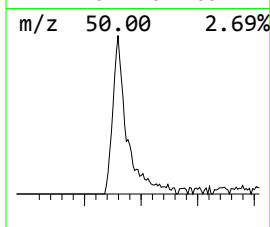
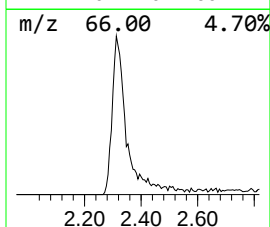
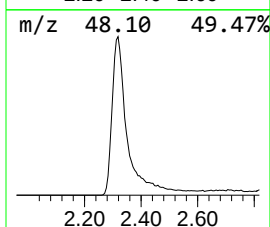
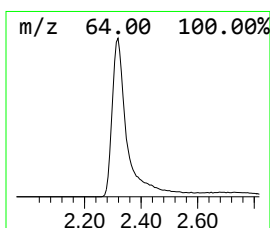
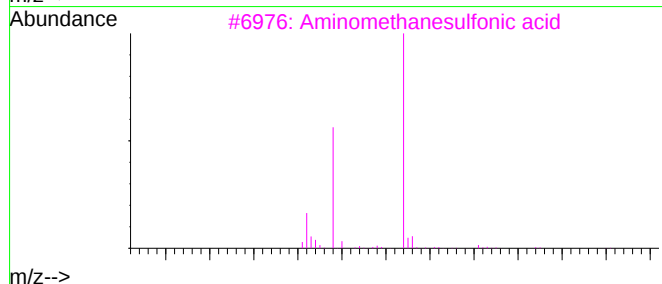
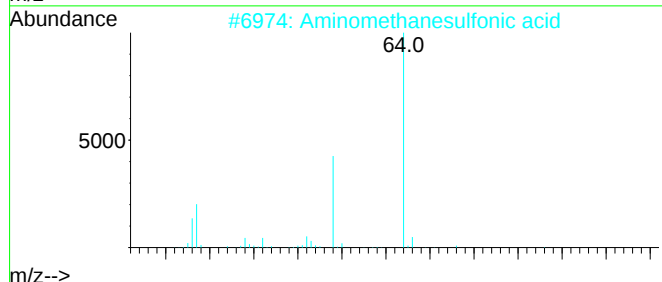
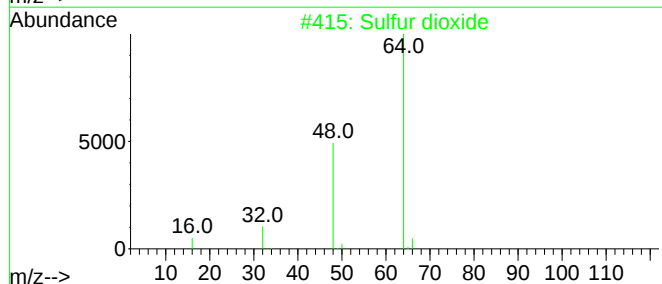
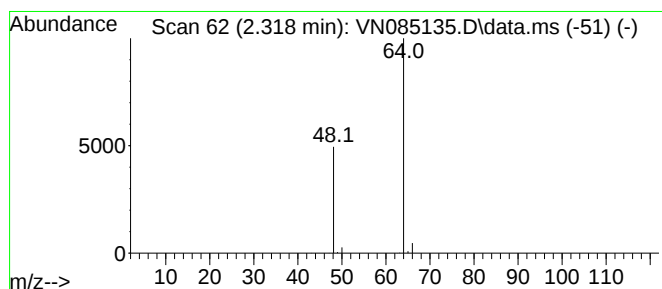
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD   | R.T.  |
|-------|-------------|---------|--------------------|-------|
| 2.318 | 207.92 ug/l | 1337810 | Bromochloromethane | 7.818 |

| 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         | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 4         | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 5         | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
001-WILLETS-PT-BLVD(DEC)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

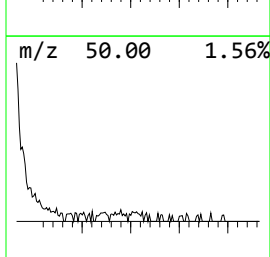
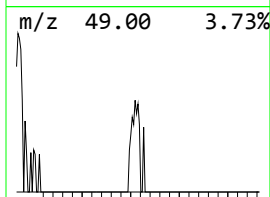
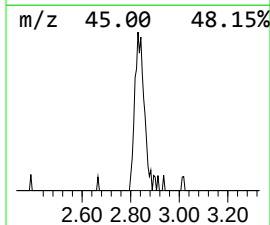
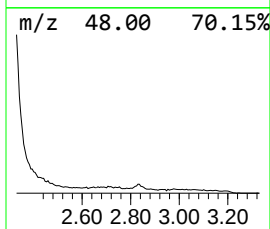
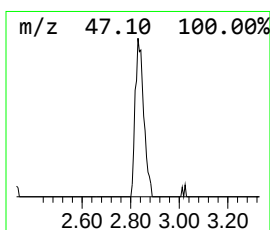
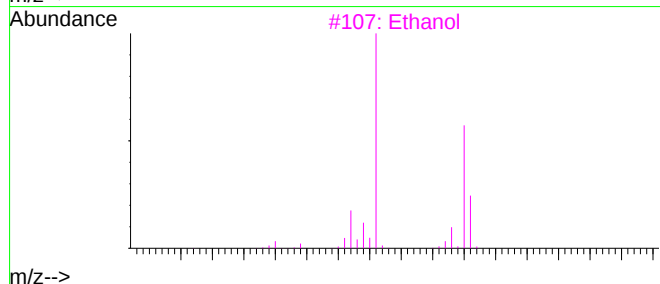
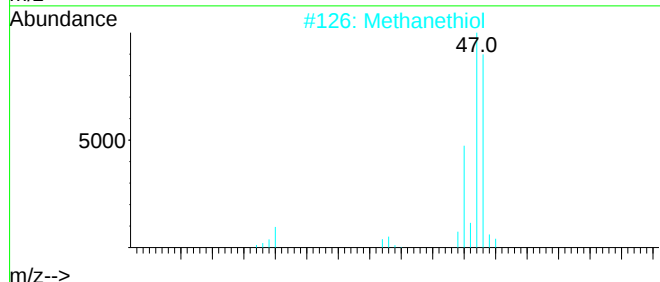
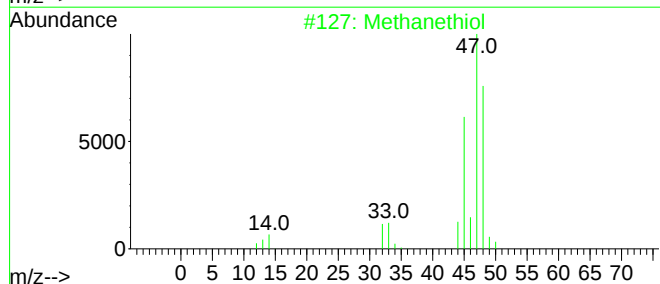
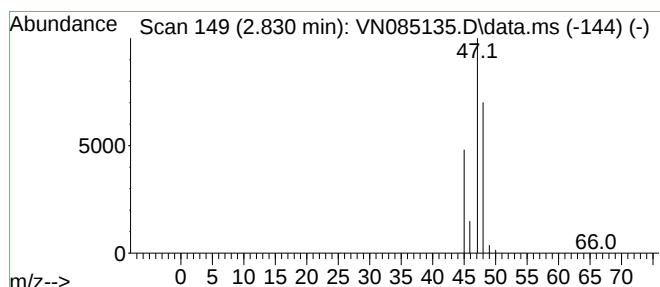
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Peak Number 2 Methanethiol Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.830 | 3.52 ug/l | 22666 | Bromochloromethane | 7.818 |

| Hit# of 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|-----------|--------------------------|----|---------|-------------|------|
| 1         | Methanethiol             | 48 | CH4S    | 000074-93-1 | 74   |
| 2         | Methanethiol             | 48 | CH4S    | 000074-93-1 | 9    |
| 3         | Ethanol                  | 46 | C2H6O   | 000064-17-5 | 4    |
| 4         | Hydroxylamine, O-methyl- | 47 | CH5NO   | 000067-62-9 | 4    |
| 5         | Ethanol                  | 46 | C2H6O   | 000064-17-5 | 4    |



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Sample : P5139-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
001-WILLETS-PT-BLVD(DEC)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L

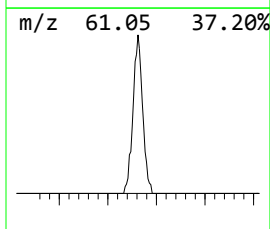
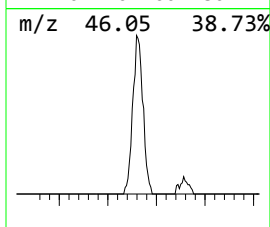
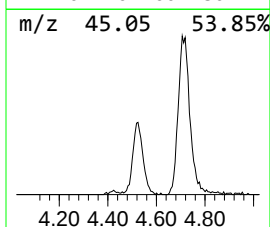
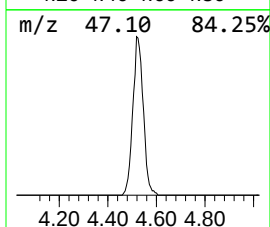
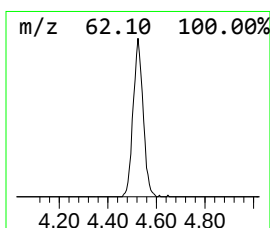
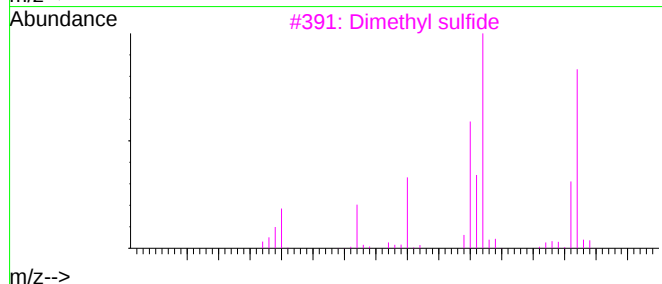
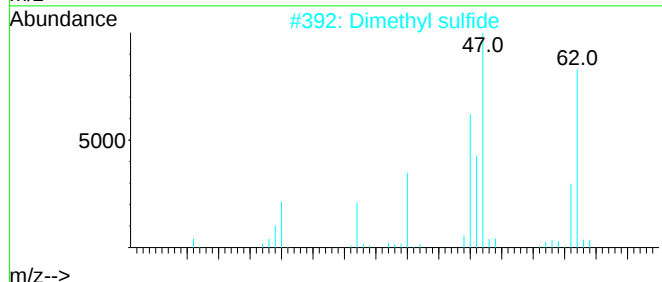
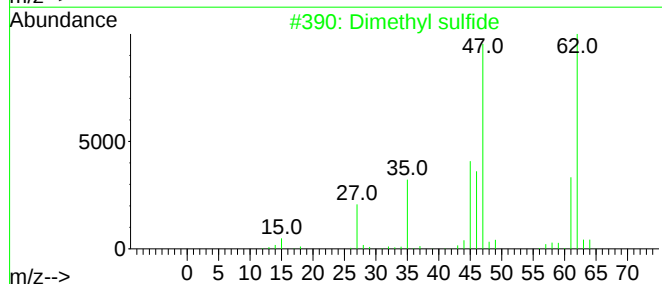
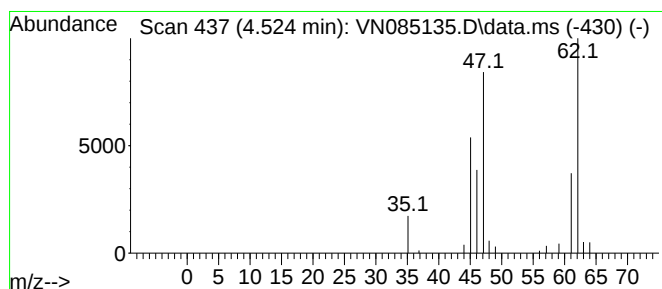
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Dimethyl sulfide Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.524 | 29.62 ug/l | 190560 | Bromochloromethane | 7.818 |

| Hit# of 5 | Tentative ID     | MW | MolForm | CAS#        | Qual |
|-----------|------------------|----|---------|-------------|------|
| 1         | Dimethyl sulfide | 62 | C2H6S   | 000075-18-3 | 94   |
| 2         | Dimethyl sulfide | 62 | C2H6S   | 000075-18-3 | 91   |
| 3         | Dimethyl sulfide | 62 | C2H6S   | 000075-18-3 | 91   |
| 4         | Dimethyl sulfide | 62 | C2H6S   | 000075-18-3 | 91   |
| 5         | Dimethyl sulfide | 62 | C2H6S   | 000075-18-3 | 90   |



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Sample : P5139-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
001-WILLETS-PT-BLVD(DEC)

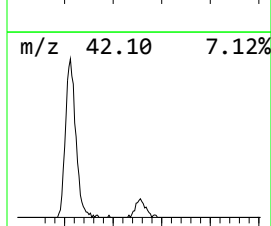
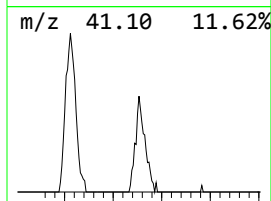
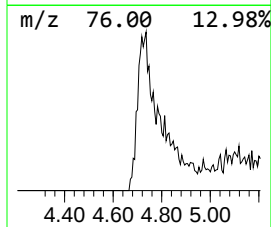
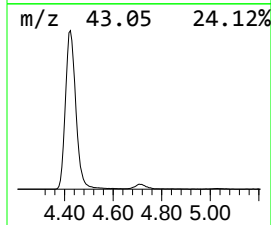
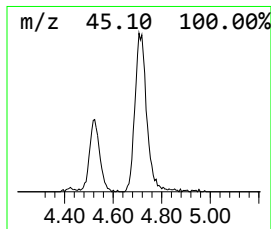
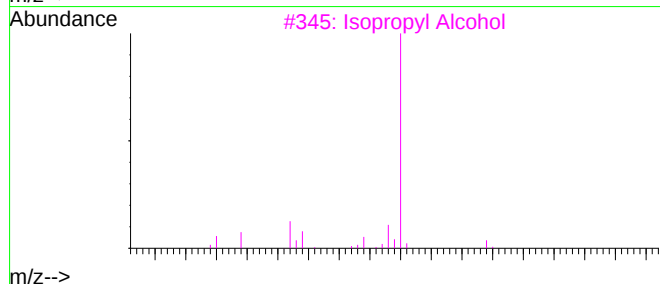
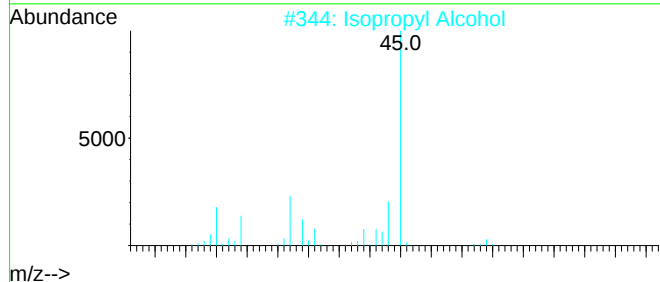
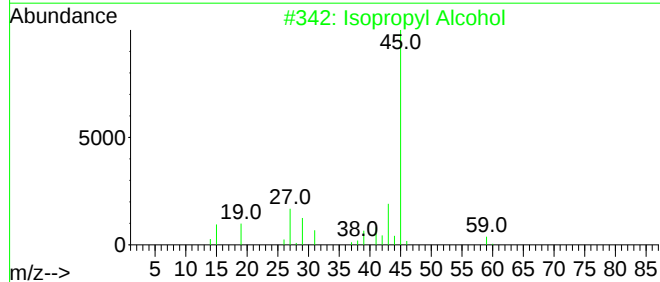
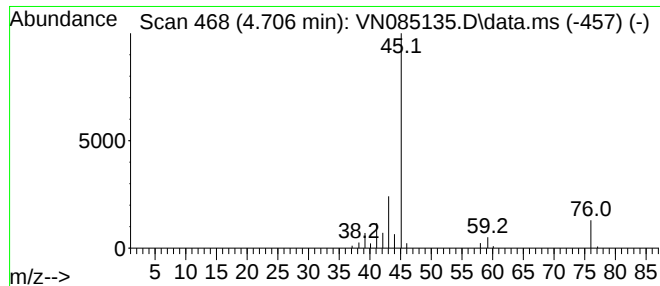
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 4 Isopropyl Alcohol Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.706 | 20.58 ug/l | 132449 | Bromochloromethane | 7.818 |

| 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 | 64   |
| 3         | Isopropyl Alcohol                | 60 | C3H8O   | 000067-63-0 | 56   |
| 4         | Hydrazine, ethyl-                | 60 | C2H8N2  | 000624-80-6 | 39   |
| 5         | Formic acid, 1-methylethyl ester | 88 | C4H8O2  | 000625-55-8 | 39   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
001-WILLETS-PT-BLVD(DEC)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

| TIC Top Hit name  | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|-------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                   |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide    | 2.318 | 207.9   | ug/l  | 1337810  | 1                     | 7.818 | 193028 | 30.0 |
| Methanethiol      | 2.830 | 3.5     | ug/l  | 22666    | 1                     | 7.818 | 193028 | 30.0 |
| Dimethyl sulfide  | 4.524 | 29.6    | ug/l  | 190560   | 1                     | 7.818 | 193028 | 30.0 |
| Isopropyl Alcohol | 4.706 | 20.6    | ug/l  | 132449   | 1                     | 7.818 | 193028 | 30.0 |