

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021023\  
 Data File : VN076615.D  
 Acq On : 10 Feb 2023 17:33  
 Operator : JC\MD  
 Sample : 01500-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002-35TH-AVE(FEB)

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\624N020923W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN076615.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         | 1.916       | 3             | 5           | 21           | rVB      | 1547637        | 2220123       | 100.00%         | 29.295%       |
| 2         | 2.340       | 66            | 77          | 95           | rBV      | 214896         | 1047409       | 47.18%          | 13.821%       |
| 3         | 2.834       | 158           | 161         | 168          | rVB2     | 24614          | 35747         | 1.61%           | 0.472%        |
| 4         | 4.440       | 423           | 434         | 447          | rBV      | 300166         | 898921        | 40.49%          | 11.861%       |
| 5         | 4.728       | 473           | 483         | 496          | rBV      | 122732         | 390743        | 17.60%          | 5.156%        |
| 6         | 7.498       | 946           | 954         | 961          | rBV      | 24705          | 60469         | 2.72%           | 0.798%        |
| 7         | 7.822       | 994           | 1009        | 1017         | rBV4     | 83289          | 223688        | 10.08%          | 2.952%        |
| 8         | 8.587       | 1128          | 1139        | 1152         | rBV2     | 97384          | 226564        | 10.21%          | 2.990%        |
| 9         | 9.104       | 1219          | 1227        | 1241         | rBV      | 210840         | 442960        | 19.95%          | 5.845%        |
| 10        | 10.451      | 1450          | 1456        | 1461         | rBV3     | 14442          | 27405         | 1.23%           | 0.362%        |
| 11        | 10.569      | 1469          | 1476        | 1483         | rBV      | 299489         | 544390        | 24.52%          | 7.183%        |
| 12        | 10.633      | 1483          | 1487        | 1495         | rVB2     | 46784          | 79480         | 3.58%           | 1.049%        |
| 13        | 10.733      | 1497          | 1504        | 1512         | rBV2     | 17283          | 32913         | 1.48%           | 0.434%        |
| 14        | 11.304      | 1593          | 1601        | 1606         | rBV4     | 17223          | 31091         | 1.40%           | 0.410%        |
| 15        | 11.869      | 1689          | 1697        | 1708         | rBV      | 361045         | 626930        | 28.24%          | 8.272%        |
| 16        | 12.563      | 1808          | 1815        | 1820         | rBV4     | 14879          | 24042         | 1.08%           | 0.317%        |
| 17        | 12.851      | 1856          | 1864        | 1873         | rBV      | 309327         | 529547        | 23.85%          | 6.987%        |
| 18        | 13.516      | 1968          | 1977        | 1982         | rVV9     | 14889          | 38442         | 1.73%           | 0.507%        |
| 19        | 13.880      | 2034          | 2039        | 2045         | rVB2     | 21056          | 35113         | 1.58%           | 0.463%        |
| 20        | 14.557      | 2150          | 2154        | 2167         | rBV5     | 35659          | 62547         | 2.82%           | 0.825%        |

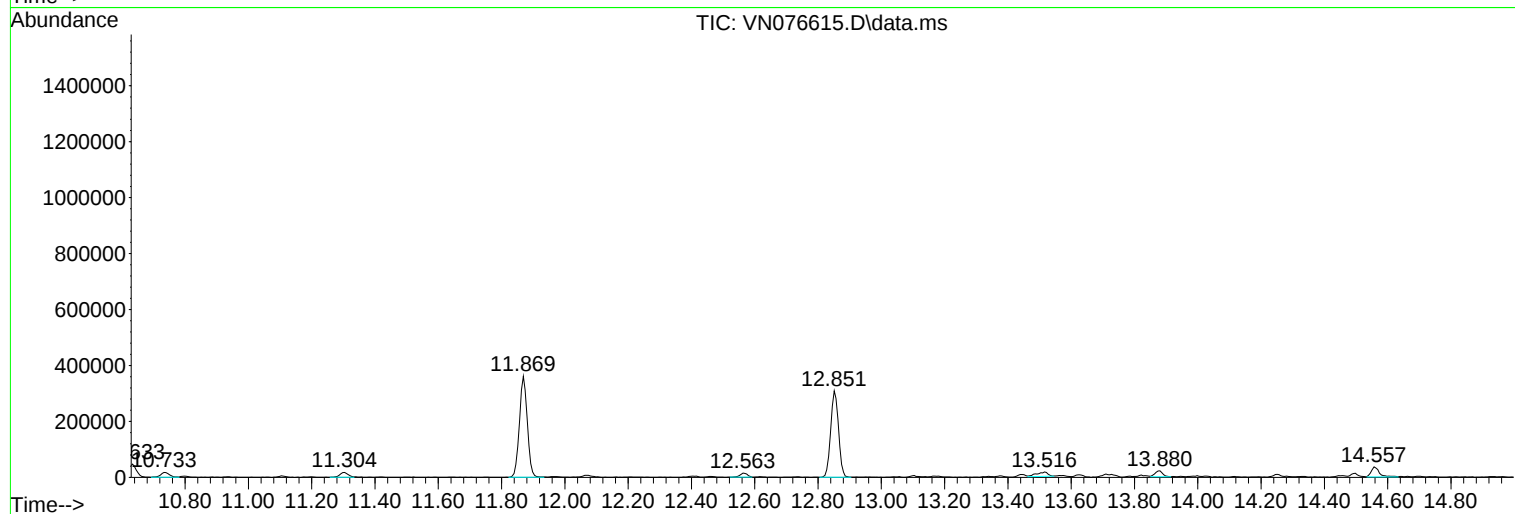
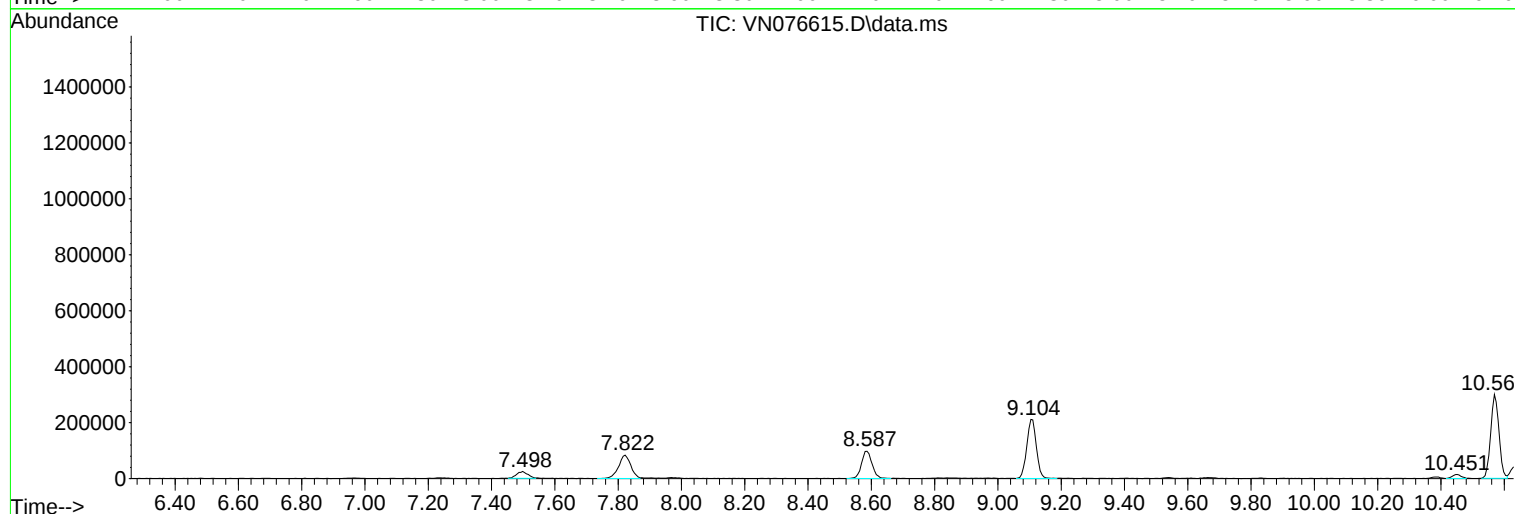
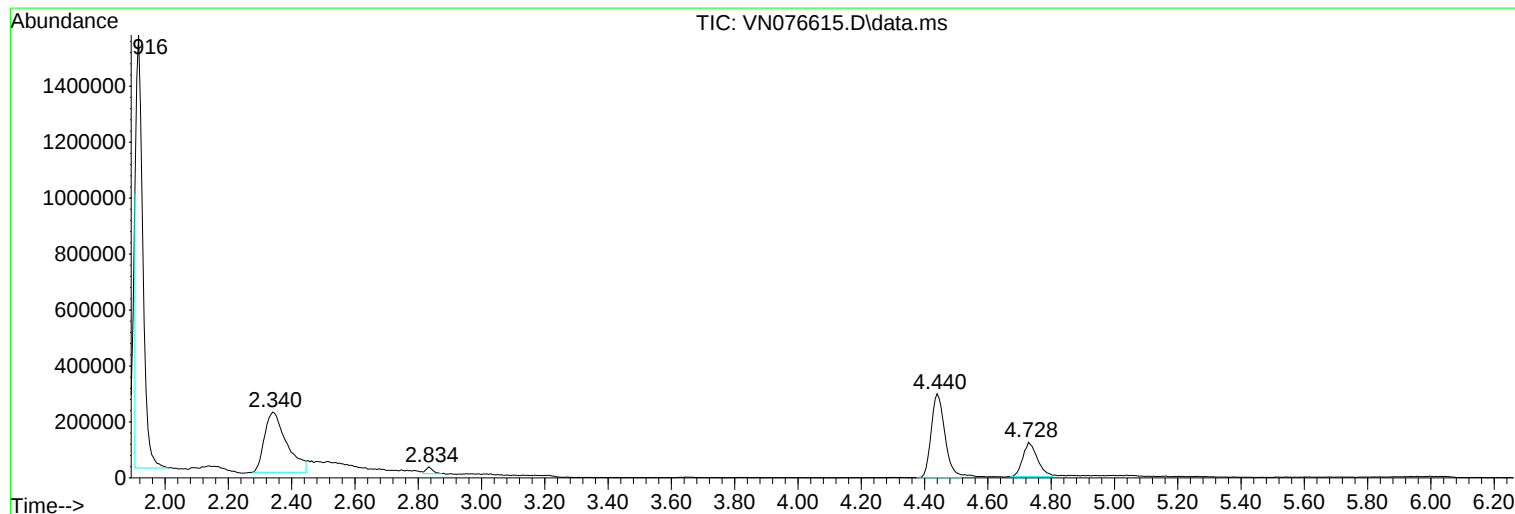
Sum of corrected areas: 7578524

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021023\  
Data File : VN076615.D  
Acq On : 10 Feb 2023 17:33  
Operator : JC\MD  
Sample : 01500-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(FEB)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020923W.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\VN021023\  
Data File : VN076615.D  
Acq On : 10 Feb 2023 17:33  
Operator : JC\MD  
Sample : 01500-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(FEB)

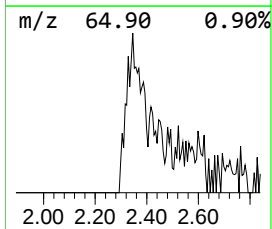
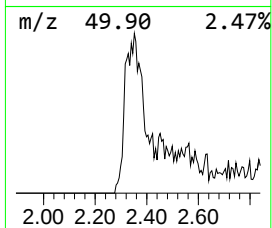
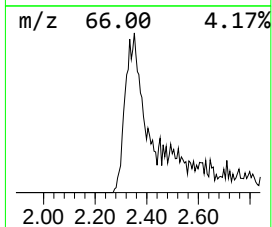
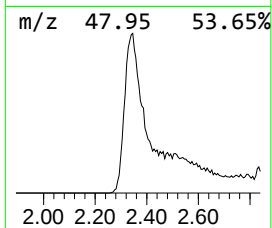
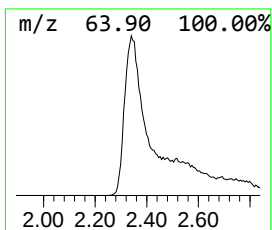
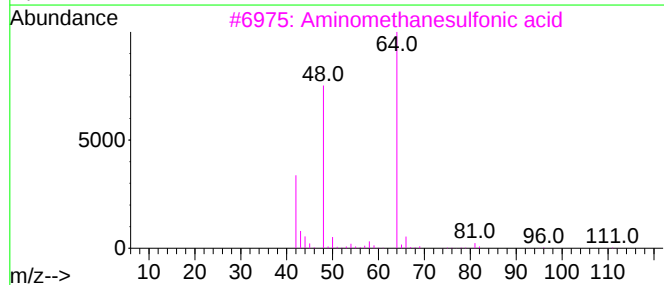
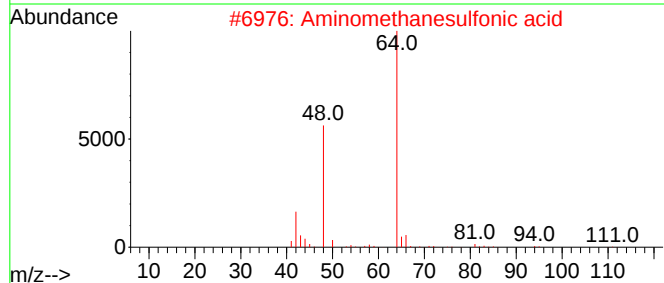
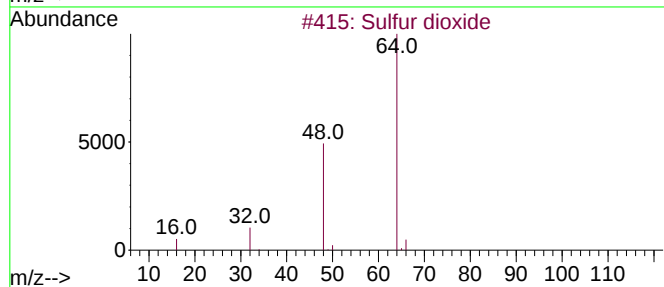
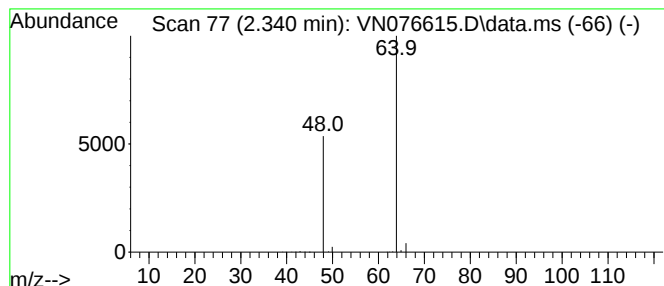
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020923W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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

| R.T.  | EstConc     | Area    | Relative to ISTD   | R.T.  |
|-------|-------------|---------|--------------------|-------|
| 2.340 | 140.47 ug/l | 1047410 | Bromochloromethane | 7.822 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S     | 007446-09-5 | 90   |
| 2    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9    |
| 3    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9    |
| 4    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9    |
| 5    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2  | 000075-38-7 | 4    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021023\  
Data File : VN076615.D  
Acq On : 10 Feb 2023 17:33  
Operator : JC\MD  
Sample : 01500-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(FEB)

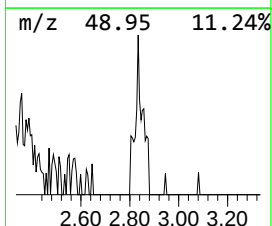
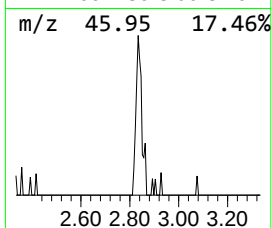
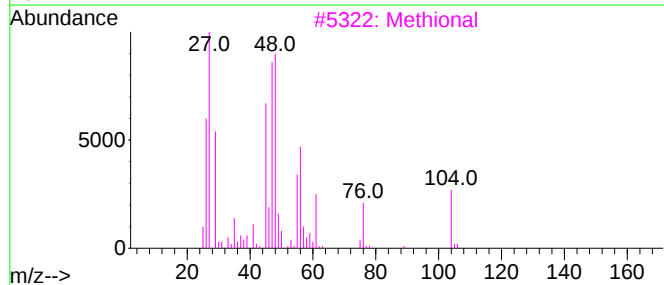
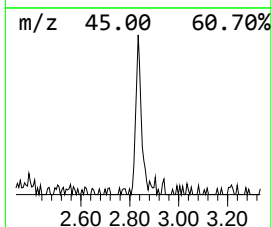
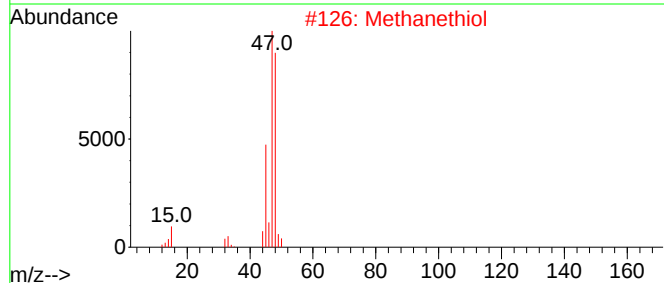
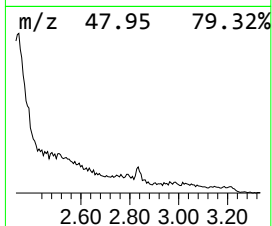
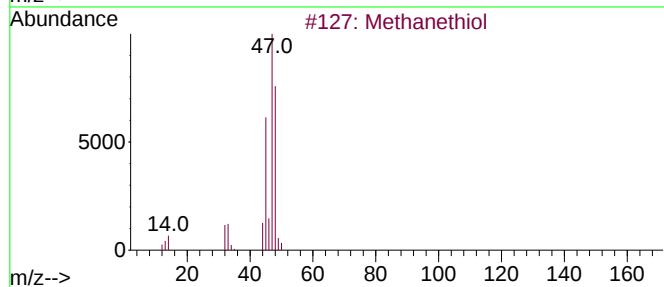
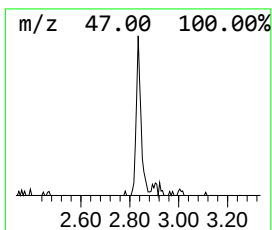
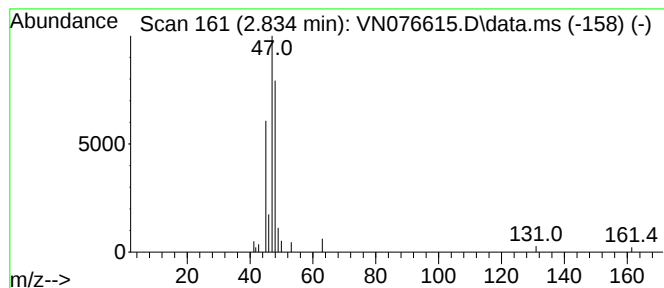
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020923W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

\*\*\*\*\*  
Peak Number 3 Methanethiol Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.834 | 4.79 ug/l | 35747 | Bromochloromethane | 7.822 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Methanethiol | 48  | CH4S    | 000074-93-1 | 90   |
| 2    |    |   | Methanethiol | 48  | CH4S    | 000074-93-1 | 90   |
| 3    |    |   | Methional    | 104 | C4H8OS  | 003268-49-3 | 45   |
| 4    |    |   | Ethanol      | 46  | C2H6O   | 000064-17-5 | 4    |
| 5    |    |   | Ethanol      | 46  | C2H6O   | 000064-17-5 | 4    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021023\  
Data File : VN076615.D  
Acq On : 10 Feb 2023 17:33  
Operator : JC\MD  
Sample : 01500-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(FEB)

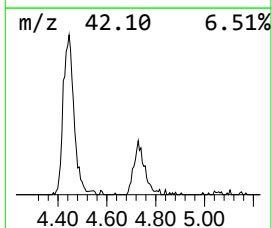
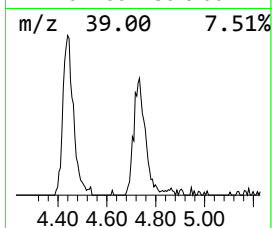
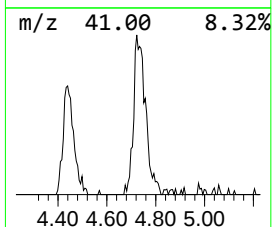
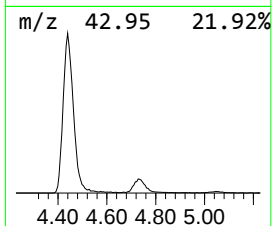
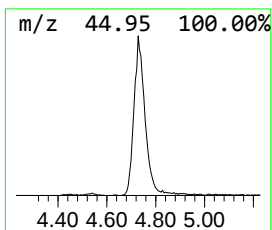
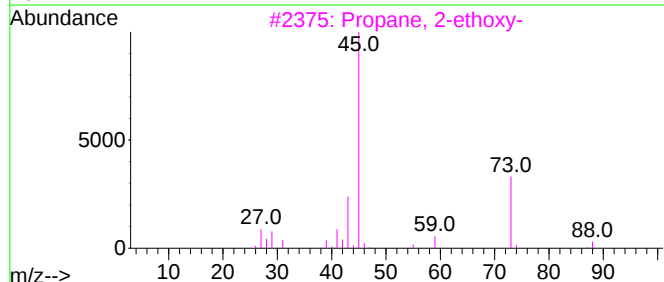
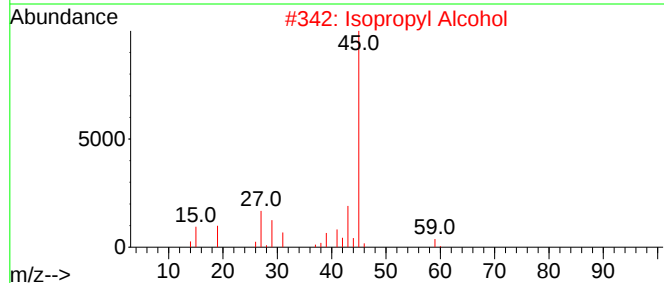
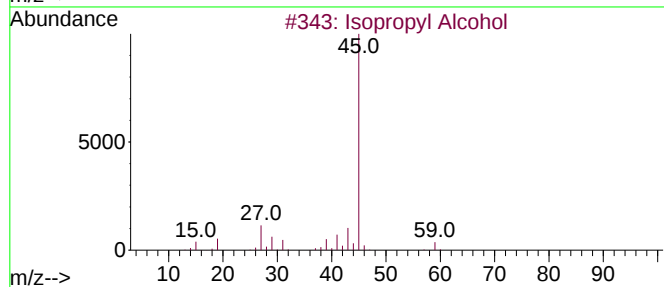
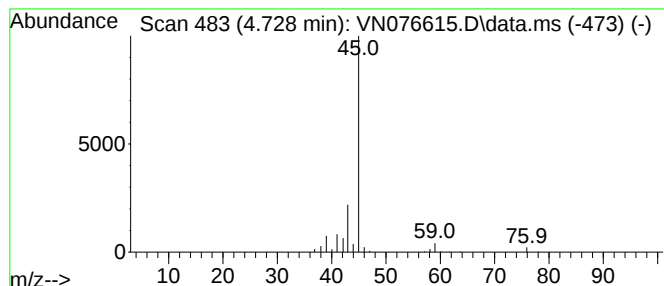
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020923W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

\*\*\*\*\*  
Peak Number 4 Isopropyl Alcohol Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.728 | 52.40 ug/l | 390743 | Bromochloromethane | 7.822 |

| Hit# | of | 5 | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 78   |
| 2    |    |   | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 78   |
| 3    |    |   | Propane, 2-ethoxy- | 88 | C5H12O  | 000625-54-7 | 56   |
| 4    |    |   | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 56   |
| 5    |    |   | Propane, 2-ethoxy- | 88 | C5H12O  | 000625-54-7 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021023\  
Data File : VN076615.D  
Acq On : 10 Feb 2023 17:33  
Operator : JC\MD  
Sample : 01500-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(FEB)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020923W.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    | 2.340 | 140.5   | ug/l  | 1047410  | 1                     | 7.822 | 223688 | 30.0 |
| Methanethiol      | 2.834 | 4.8     | ug/l  | 35747    | 1                     | 7.822 | 223688 | 30.0 |
| Isopropyl Alcohol | 4.728 | 52.4    | ug/l  | 390743   | 1                     | 7.822 | 223688 | 30.0 |