

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022324\  
 Data File : VN081158.D  
 Acq On : 23 Feb 2024 13:03  
 Operator : JC\MD  
 Sample : P1562-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OUTFALL-DSN-001

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\624N020924W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN081158.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         | 2.665       | 117           | 121         | 128          | rBV3     | 24667          | 46373         | 1.19%           | 0.453%        |
| 2         | 3.789       | 302           | 312         | 326          | rBV      | 361938         | 967903        | 24.81%          | 9.457%        |
| 3         | 4.424       | 409           | 420         | 434          | rBV      | 303545         | 904521        | 23.18%          | 8.838%        |
| 4         | 4.706       | 455           | 468         | 491          | rBV      | 1203590        | 3901497       | 100.00%         | 38.120%       |
| 5         | 7.818       | 988           | 997         | 1013         | rVV3     | 159180         | 409371        | 10.49%          | 4.000%        |
| 6         | 7.965       | 1013          | 1022        | 1036         | rVB2     | 64500          | 150532        | 3.86%           | 1.471%        |
| 7         | 8.582       | 1117          | 1127        | 1136         | rBV      | 171798         | 384120        | 9.85%           | 3.753%        |
| 8         | 8.688       | 1136          | 1145        | 1158         | rVV3     | 22130          | 88033         | 2.26%           | 0.860%        |
| 9         | 9.106       | 1206          | 1216        | 1229         | rBV      | 380095         | 780069        | 19.99%          | 7.622%        |
| 10        | 9.888       | 1342          | 1349        | 1359         | rVB3     | 23297          | 46129         | 1.18%           | 0.451%        |
| 11        | 10.571      | 1457          | 1465        | 1473         | rBV      | 570596         | 1044784       | 26.78%          | 10.208%       |
| 12        | 11.870      | 1677          | 1686        | 1697         | rVB      | 494622         | 893637        | 22.90%          | 8.731%        |
| 13        | 12.853      | 1845          | 1853        | 1861         | rVB      | 368753         | 617710        | 15.83%          | 6.035%        |

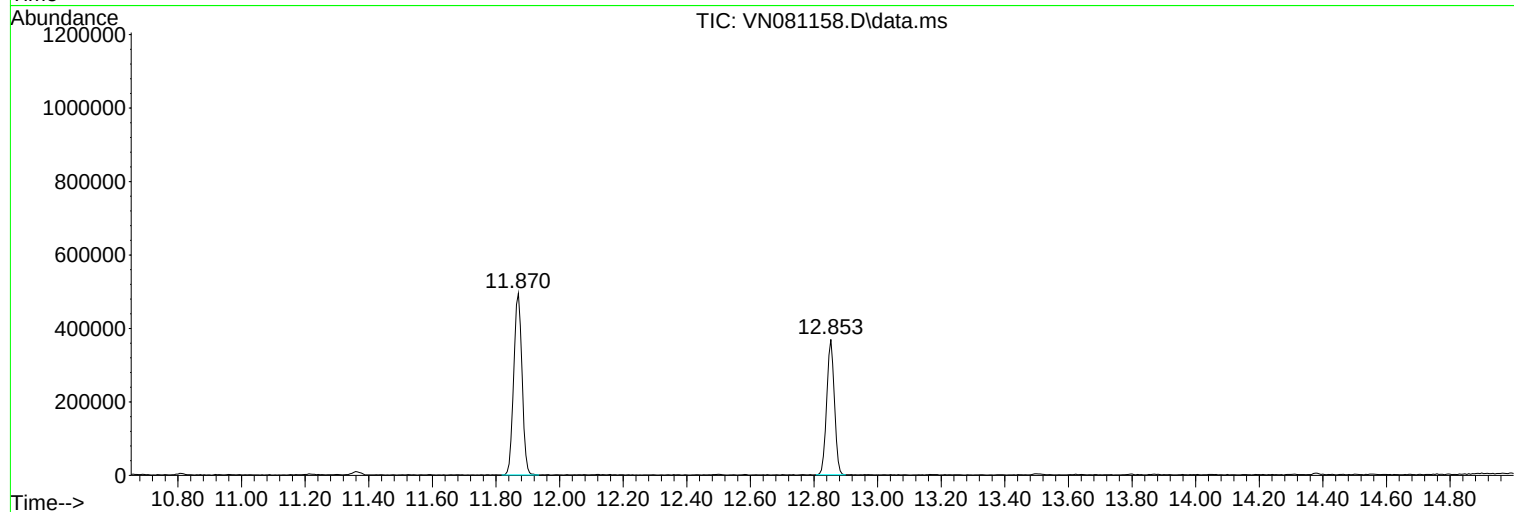
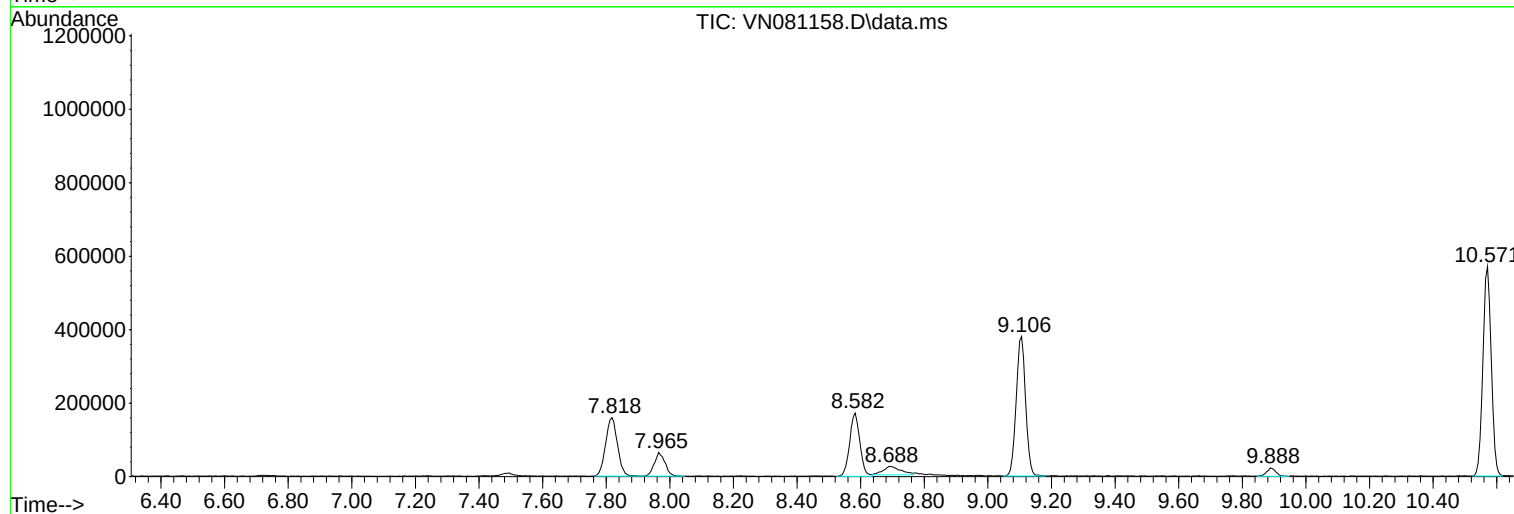
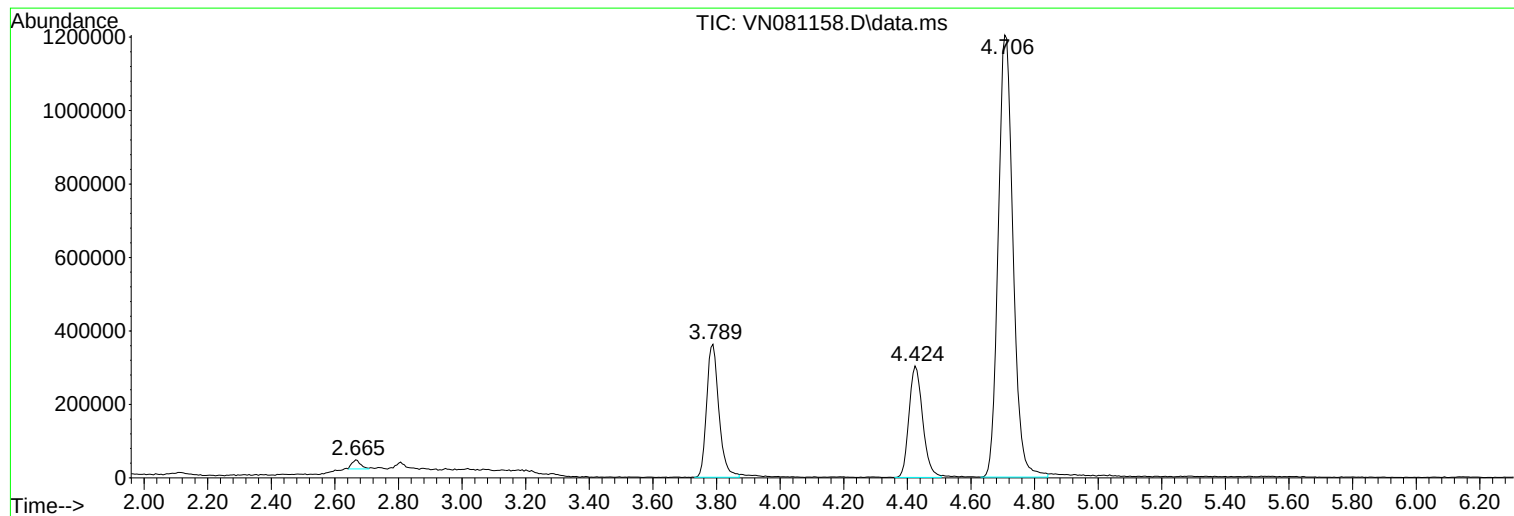
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020924W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



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Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

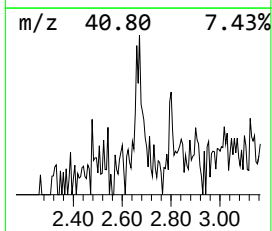
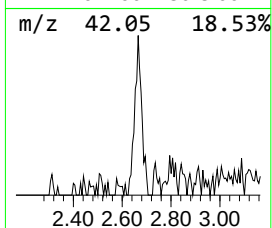
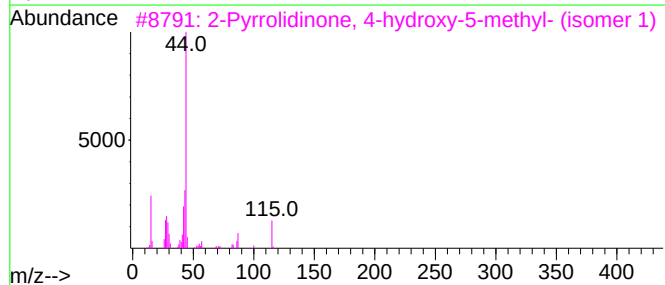
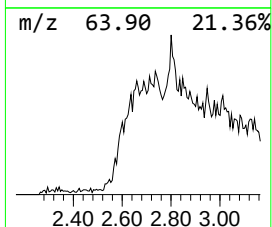
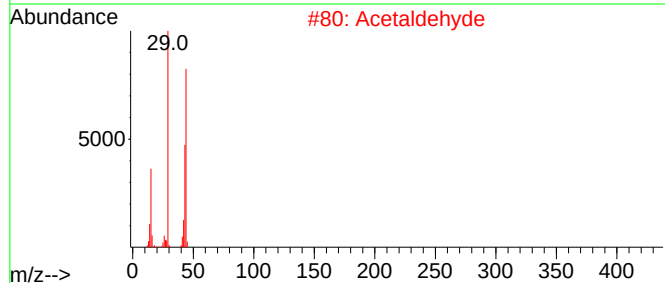
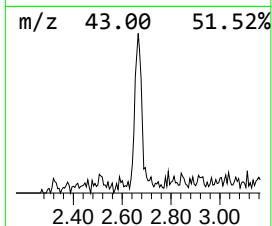
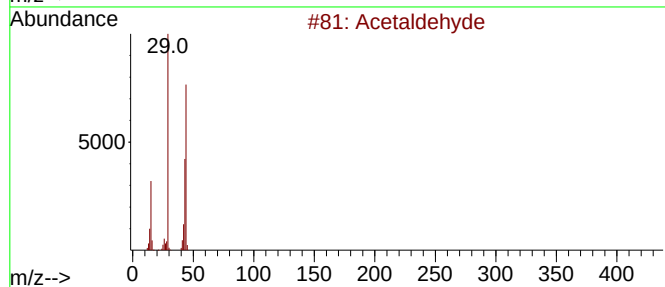
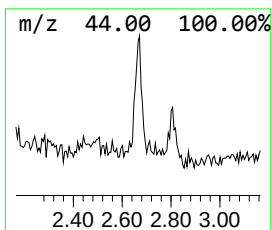
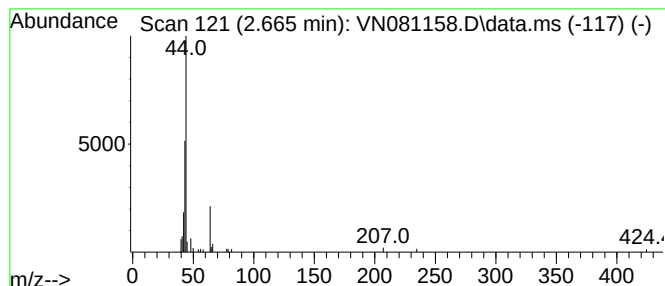
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020924W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 1 Acetaldehyde Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.665 | 3.40 ug/l | 46373 | Bromochloromethane | 7.818 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Acetaldehyde                        | 44  | C2H4O   | 000075-07-0  | 53   |
| 2    |    |   | Acetaldehyde                        | 44  | C2H4O   | 000075-07-0  | 53   |
| 3    |    |   | 2-Pyrrolidinone, 4-hydroxy-5-met... | 115 | C5H9NO2 | 1000460-61-0 | 9    |
| 4    |    |   | Cyclopropyl carbinol                | 72  | C4H8O   | 002516-33-8  | 9    |
| 5    |    |   | Ethylene oxide                      | 44  | C2H4O   | 000075-21-8  | 5    |



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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

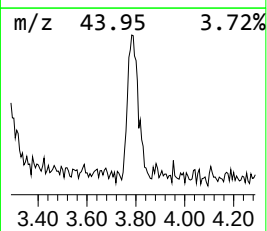
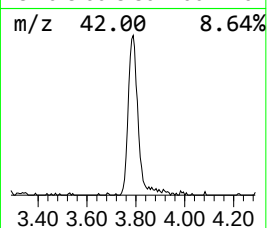
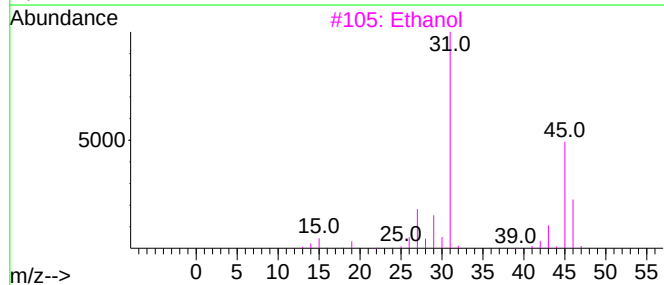
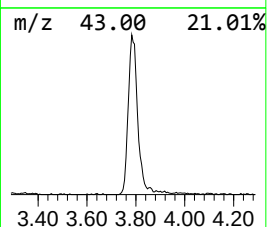
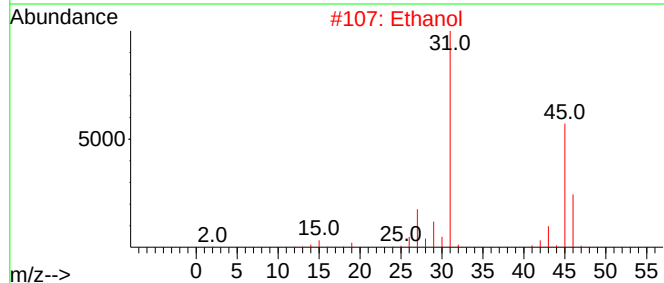
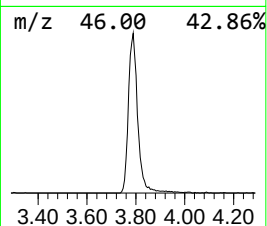
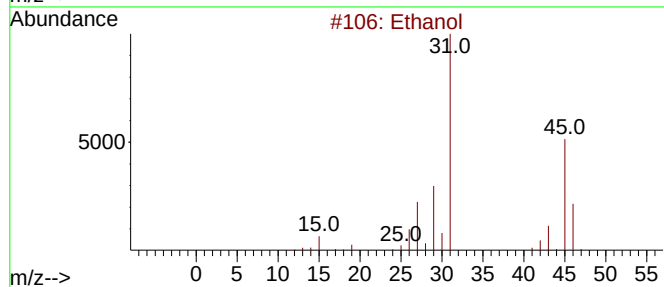
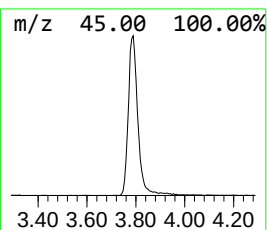
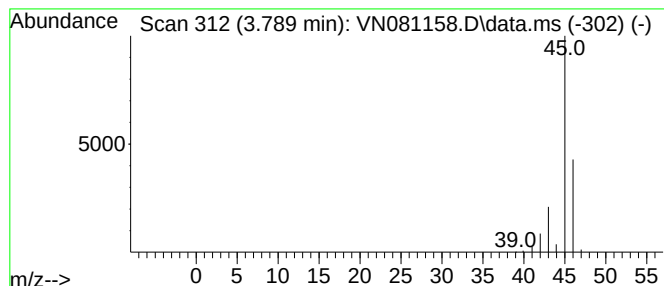
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020924W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 2 Ethanol Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 3.789 | 70.93 ug/l | 967903 | Bromochloromethane | 7.818 |

| Hit# | of             | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----------------|---|--------------|----|---------|-------------|------|
| 1    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 74   |
| 2    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 74   |
| 3    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 64   |
| 4    | Ethanol        |   |              | 46 | C2H6O   | 000064-17-5 | 9    |
| 5    | Dimethyl ether |   |              | 46 | C2H6O   | 000115-10-6 | 9    |



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Sample : P1562-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

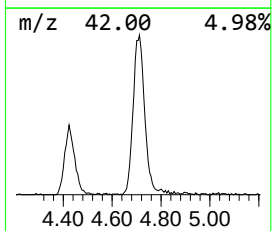
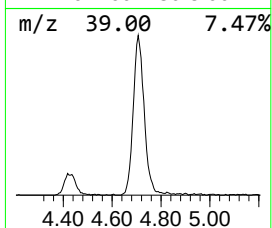
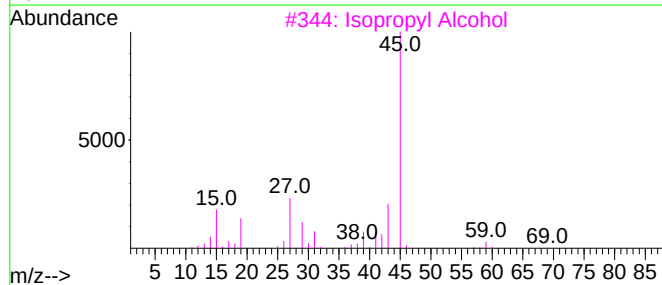
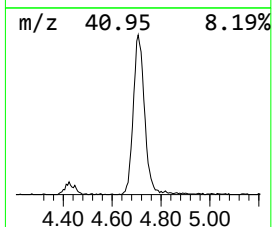
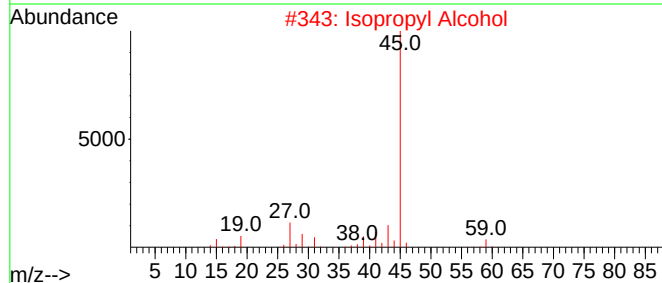
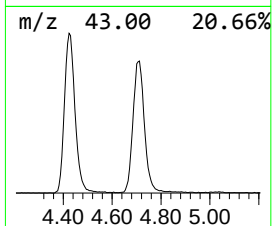
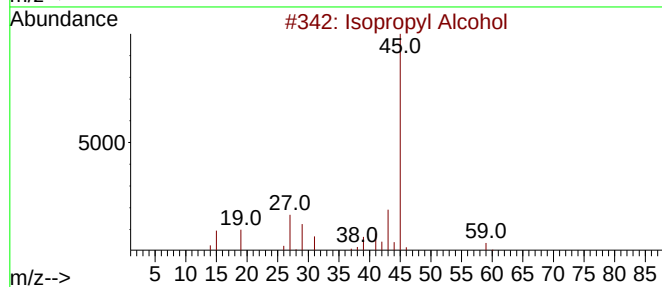
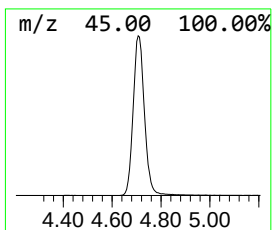
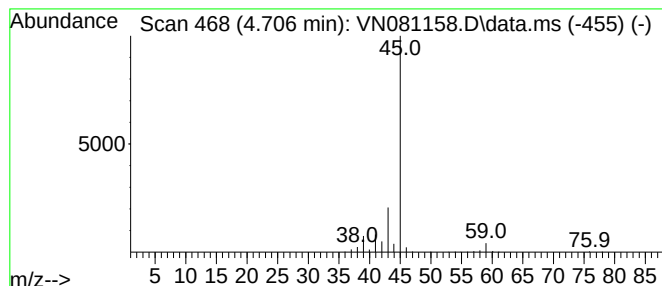
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020924W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 3 Isopropyl Alcohol Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD   | R.T.  |
|-------|-------------|---------|--------------------|-------|
| 4.706 | 285.91 ug/l | 3901500 | Bromochloromethane | 7.818 |

| 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    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 72   |
| 4    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 64   |
| 5    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 56   |



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Sample : P1562-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OUTFALL-DSN-001

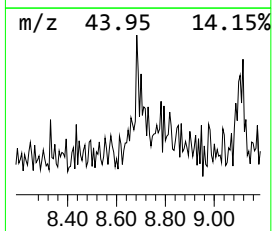
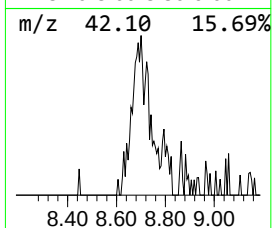
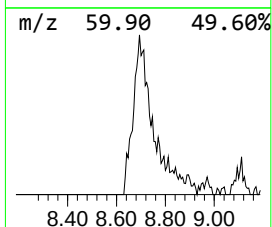
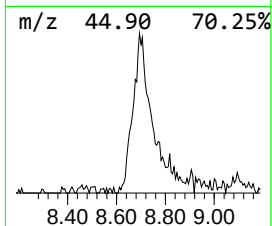
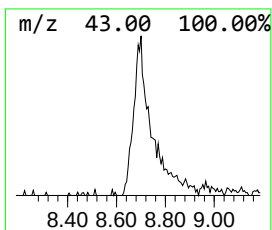
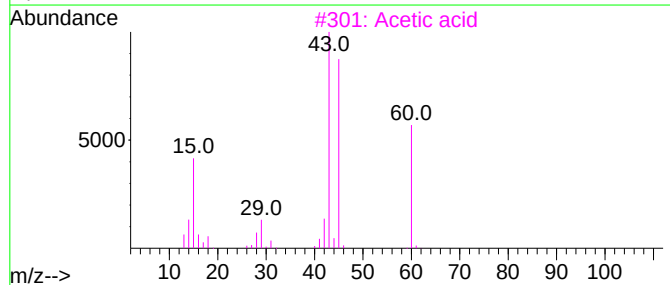
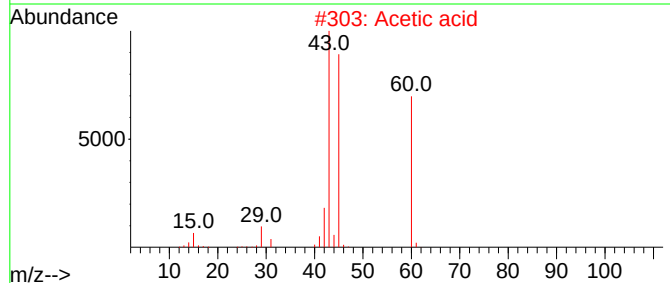
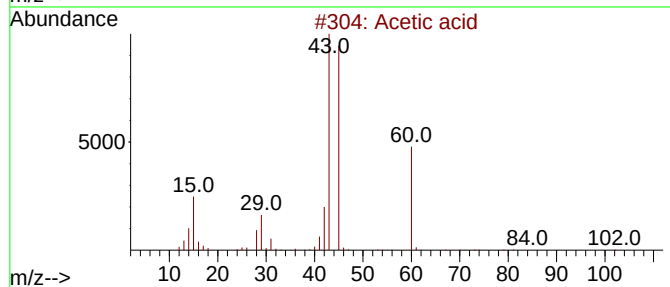
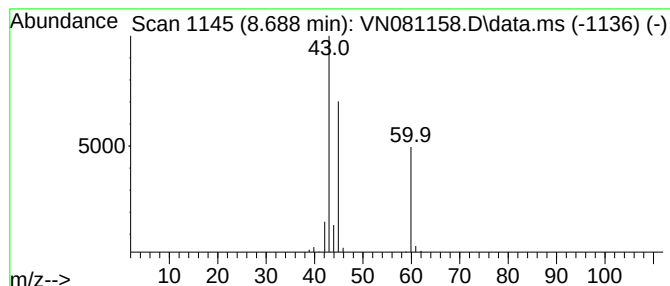
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020924W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 4 Acetic acid Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.688 | 3.39 ug/l | 88033 | 1,4-Difluorobenzene | 9.106 |

| Hit# | of          | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-------------|---|--------------|----|---------|-------------|------|
| 1    | Acetic acid |   |              | 60 | C2H4O2  | 000064-19-7 | 56   |
| 2    | Acetic acid |   |              | 60 | C2H4O2  | 000064-19-7 | 56   |
| 3    | Acetic acid |   |              | 60 | C2H4O2  | 000064-19-7 | 56   |
| 4    | Acetic acid |   |              | 60 | C2H4O2  | 000064-19-7 | 56   |
| 5    | Thiirane    |   |              | 60 | C2H4S   | 000420-12-2 | 53   |



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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 |
| Acetaldehyde      | 2.665 | 3.4     | ug/l  | 46373    | 1                     | 7.818 | 409371 | 30.0 |
| Ethanol           | 3.789 | 70.9    | ug/l  | 967903   | 1                     | 7.818 | 409371 | 30.0 |
| Isopropyl Alcohol | 4.706 | 285.9   | ug/l  | 3901500  | 1                     | 7.818 | 409371 | 30.0 |
| Acetic acid       | 8.688 | 3.4     | ug/l  | 88033    | 2                     | 9.106 | 780069 | 30.0 |