

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101723\  
Data File : VN079584.D  
Acq On : 17 Oct 2023 16:21  
Operator : JC\MD  
Sample : 04911-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
LDET-12

Integration Parameters: RTEINT3.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN079584.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         | 2.295       | 52            | 58          | 67           | rBV2     | 11666          | 33659         | 6.08%           | 1.497%        |
| 2         | 2.812       | 140           | 146         | 153          | rVB4     | 12068          | 29715         | 5.37%           | 1.321%        |
| 3         | 3.948       | 331           | 339         | 347          | rVB2     | 12317          | 31001         | 5.60%           | 1.378%        |
| 4         | 4.724       | 464           | 471         | 481          | rVB5     | 4167           | 12140         | 2.19%           | 0.540%        |
| 5         | 7.818       | 986           | 997         | 1007         | rBV3     | 57686          | 149907        | 27.09%          | 6.665%        |
| 6         | 8.583       | 1118          | 1127        | 1136         | rBV      | 112115         | 245895        | 44.44%          | 10.933%       |
| 7         | 8.724       | 1143          | 1151        | 1152         | rBV6     | 6005           | 10984         | 1.99%           | 0.488%        |
| 8         | 9.106       | 1208          | 1216        | 1226         | rBV      | 168127         | 346047        | 62.54%          | 15.386%       |
| 9         | 10.571      | 1457          | 1465        | 1475         | rBV      | 298586         | 553337        | 100.00%         | 24.602%       |
| 10        | 10.688      | 1483          | 1485        | 1493         | rVB3     | 4150           | 6366          | 1.15%           | 0.283%        |
| 11        | 11.871      | 1678          | 1686        | 1698         | rVB      | 277147         | 509216        | 92.03%          | 22.641%       |
| 12        | 12.853      | 1846          | 1853        | 1865         | rBV      | 176705         | 320869        | 57.99%          | 14.266%       |

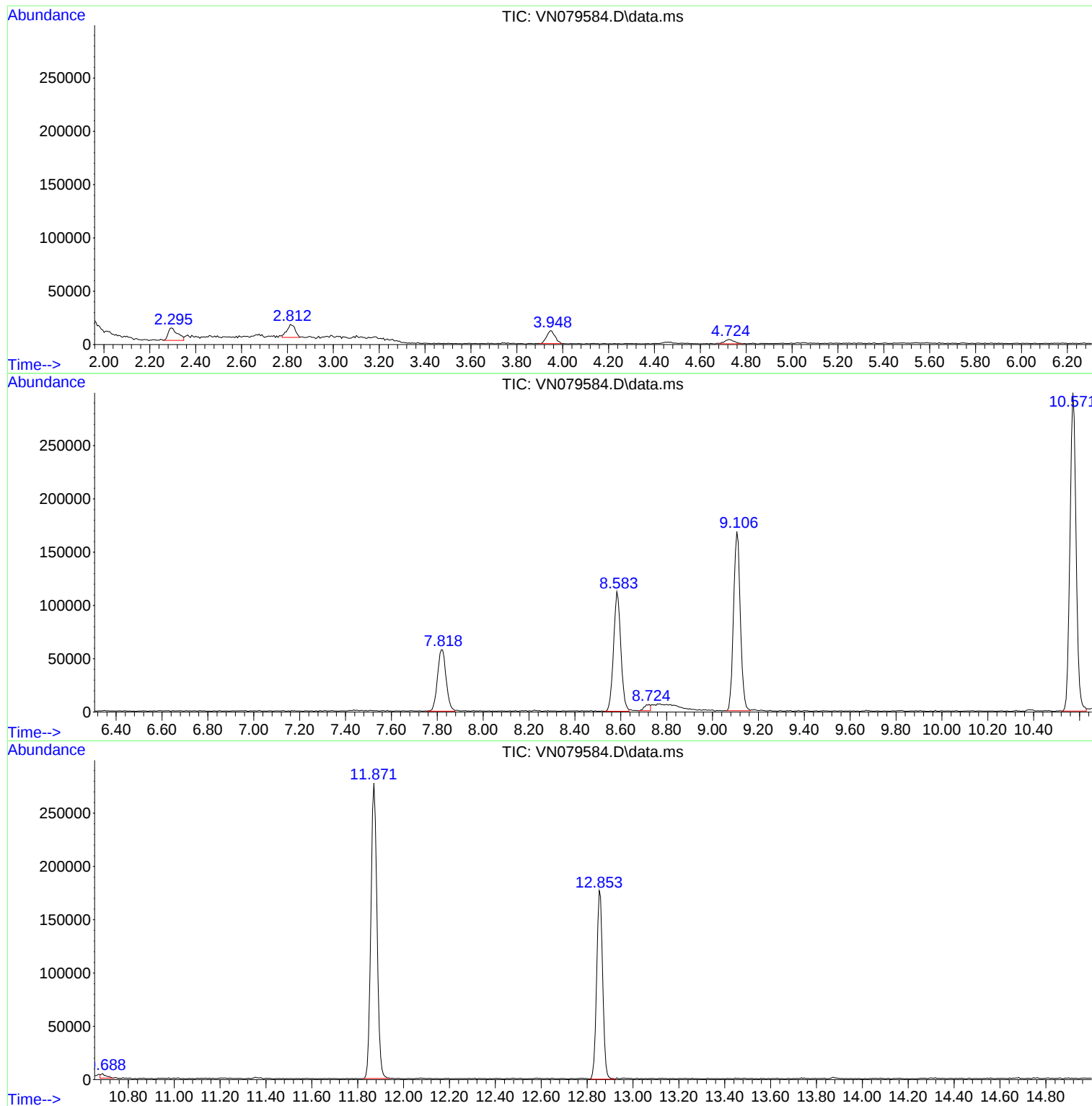
Sum of corrected areas: 2249136

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101723\  
Data File : VN079584.D  
Acq On : 17 Oct 2023 16:21  
Operator : JC\MD  
Sample : 04911-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
LDET-12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.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\VN101723\  
Data File : VN079584.D  
Acq On : 17 Oct 2023 16:21  
Operator : JC\MD  
Sample : 04911-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
LDET-12

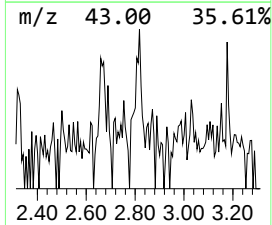
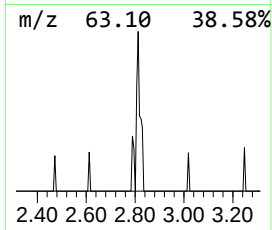
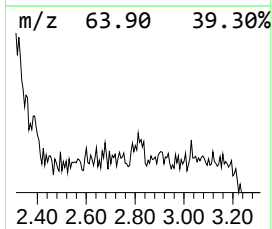
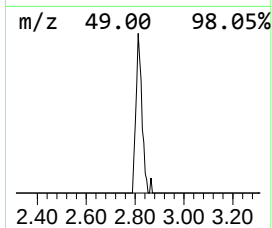
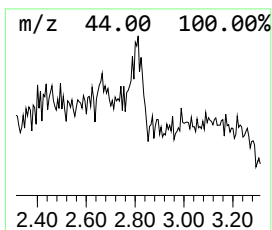
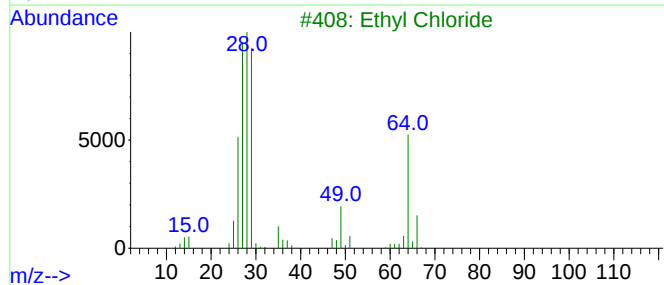
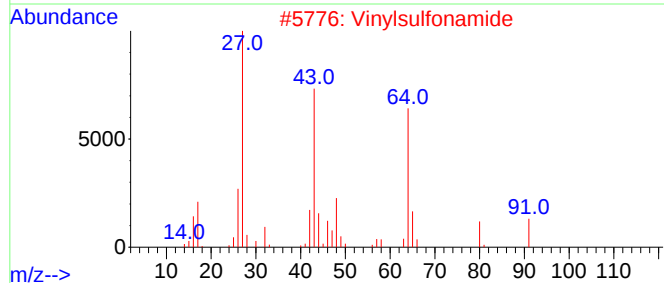
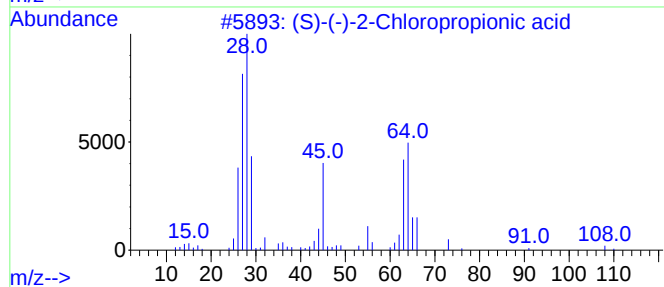
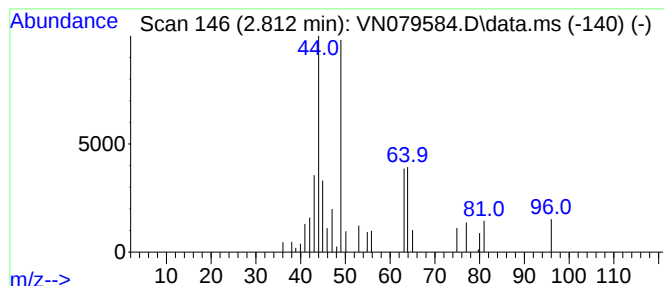
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

\*\*\*\*\*  
Peak Number 2 unknown2.812 Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.812 | 5.95 ug/l | 29715 | Bromochloromethane | 7.812 |

| Hit# | of                             | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|--------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | (S)-(-)-2-Chloropropionic acid | 108 | C3H5ClO2     | 029617-66-1 | 27      |      |      |
| 2    | Vinylsulfonamide               | 107 | C2H5NO2S     | 002386-58-5 | 9       |      |      |
| 3    | Ethyl Chloride                 | 64  | C2H5Cl       | 000075-00-3 | 5       |      |      |
| 4    | Ethene, (methylsulfonyl)-      | 106 | C3H6O2S      | 003680-02-2 | 4       |      |      |
| 5    | Propanenitrile, 3-chloro-      | 89  | C3H4ClN      | 000542-76-7 | 4       |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101723\  
Data File : VN079584.D  
Acq On : 17 Oct 2023 16:21  
Operator : JC\MD  
Sample : 04911-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
LDET-12

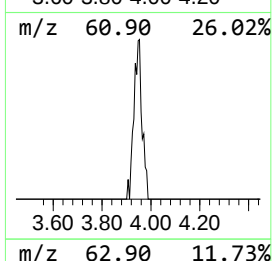
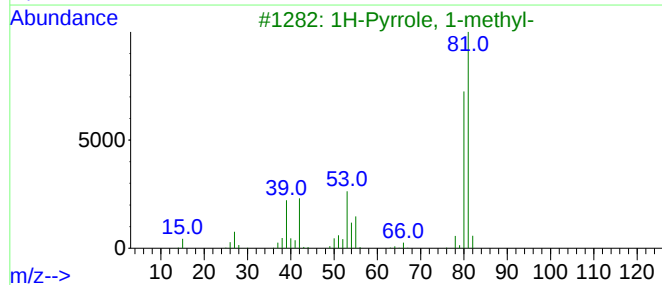
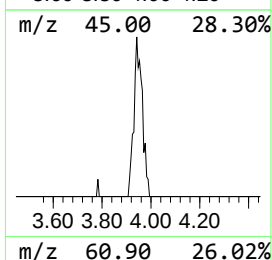
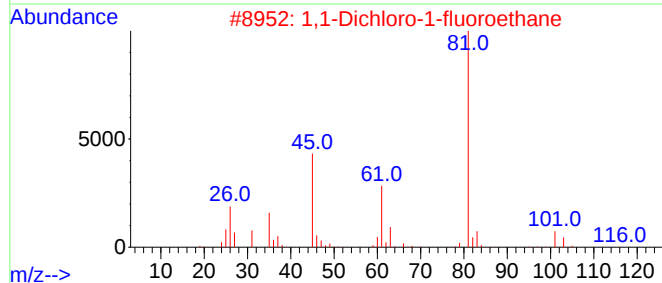
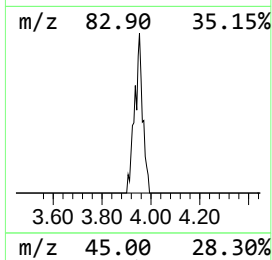
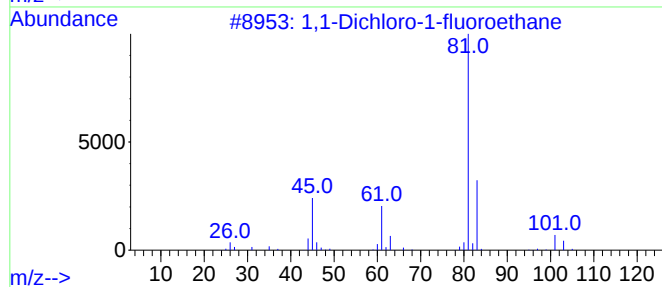
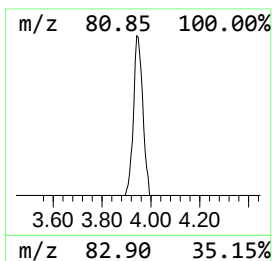
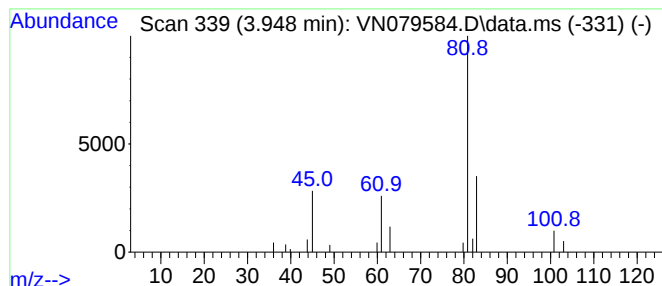
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

\*\*\*\*\*  
Peak Number 3 1,1-Dichloro-1-fluoroethane Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 3.948 | 6.20 ug/l | 31001 | Bromochloromethane | 7.812 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1,1-Dichloro-1-fluoroethane       | 116 | C2H3Cl2F | 001717-00-6 | 83   |
| 2    |    |   | 1,1-Dichloro-1-fluoroethane       | 116 | C2H3Cl2F | 001717-00-6 | 35   |
| 3    |    |   | 1H-Pyrrole, 1-methyl-             | 81  | C5H7N    | 000096-54-8 | 3    |
| 4    |    |   | Silane, difluorodimethyl-         | 96  | C2H6F2Si | 000353-66-2 | 2    |
| 5    |    |   | Ethanone, 1-(1-methyl-2-cyclop... | 124 | C8H12O   | 068752-16-9 | 2    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101723\  
Data File : VN079584.D  
Acq On : 17 Oct 2023 16:21  
Operator : JC\MD  
Sample : 04911-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
LDET-12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.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 |
| unknown2.812       | 2.812 | 6.0     | ug/l  | 29715    | 1                     | 7.812 | 149907 | 30.0 |
| 1,1-Dichloro-1-... | 3.948 | 6.2     | ug/l  | 31001    | 1                     | 7.812 | 149907 | 30.0 |