

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 Time: Oct 18 02:31:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 18 02:19:15 2023  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.812  | 128  | 20016    | 30.000 | ug/l  | -0.01    |
| 28) 1,4-Difluorobenzene | 9.106  | 114  | 138629   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.871 | 117  | 159692   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.583  | 65    | 88481    | 31.091   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 103.633% |
| 60) 4-Bromofluorobenzene    | 12.853 | 95    | 61242    | 20.971   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 69.900%  |
| 63) Toluene-d8              | 10.571 | 98    | 203004   | 29.666   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 98.900%  |

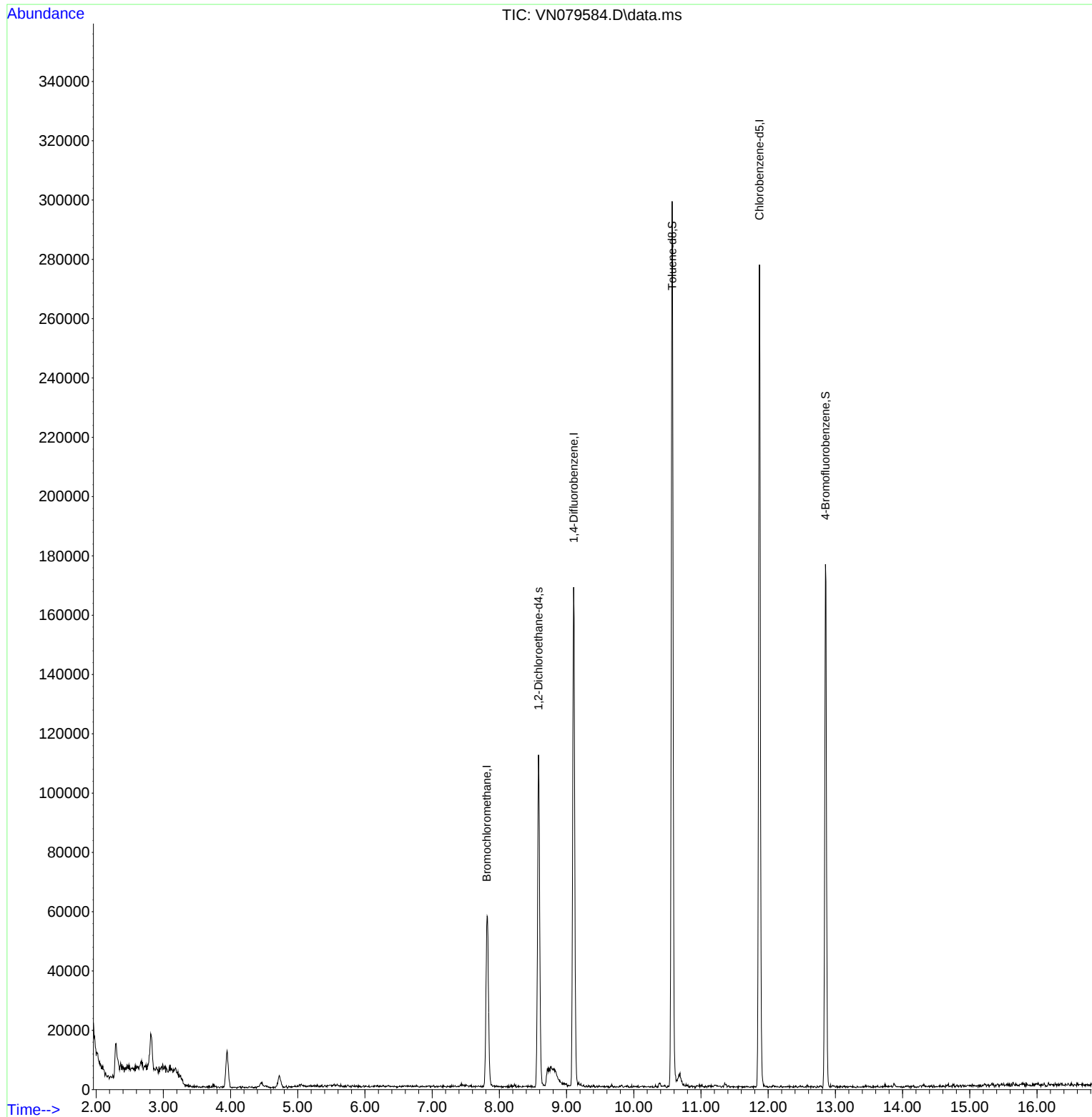
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

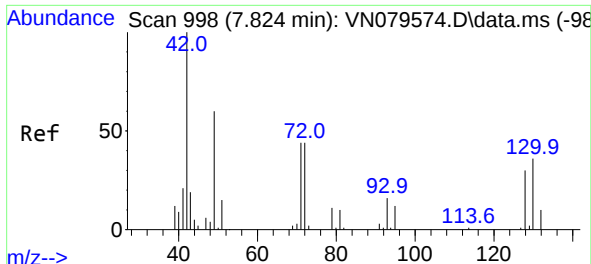
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Time: Oct 18 02:31:53 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N101723W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 18 02:19:15 2023  
Response via : Initial Calibration

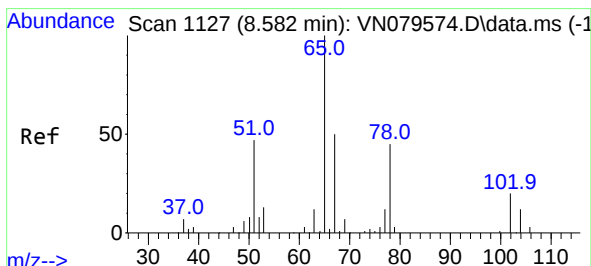
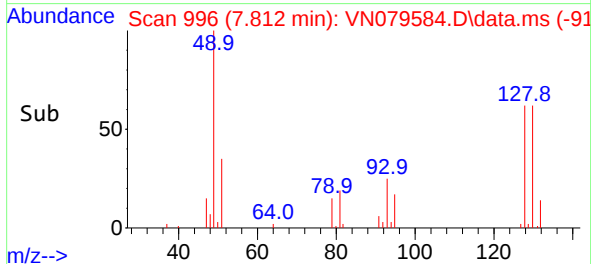
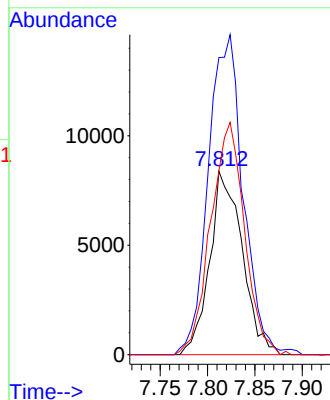
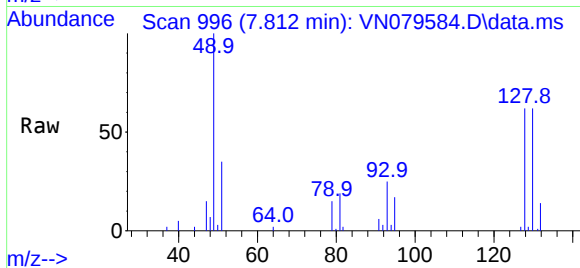




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: VN079584.D  
Acq: 17 Oct 2023 16:21

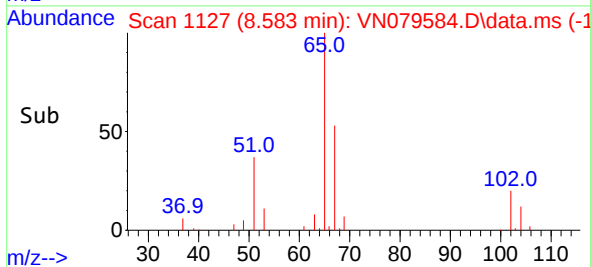
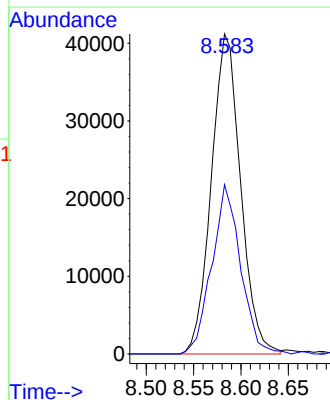
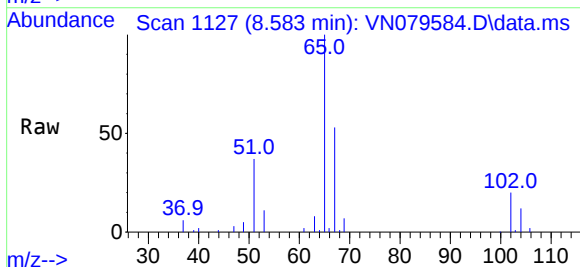
Instrument :  
MSVOA\_N  
ClientSampleId :  
LDET-12

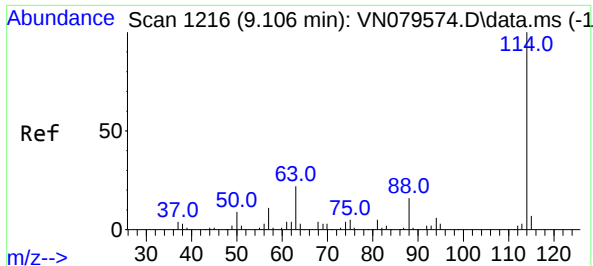
Tgt Ion:128 Resp: 20016  
Ion Ratio Lower Upper  
128 100  
49 185.7 0.0 468.5  
130 131.7 0.0 320.7



#27  
1,2-Dichloroethane-d4  
Concen: 31.091 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079584.D  
Acq: 17 Oct 2023 16:21

Tgt Ion: 65 Resp: 88481  
Ion Ratio Lower Upper  
65 100  
67 52.1 42.1 63.1

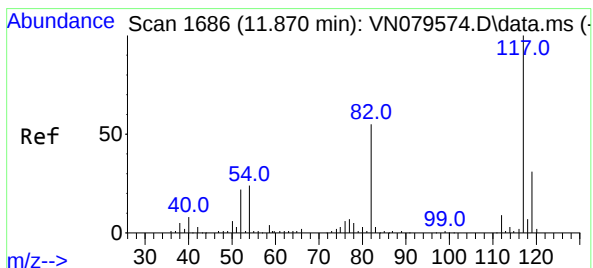
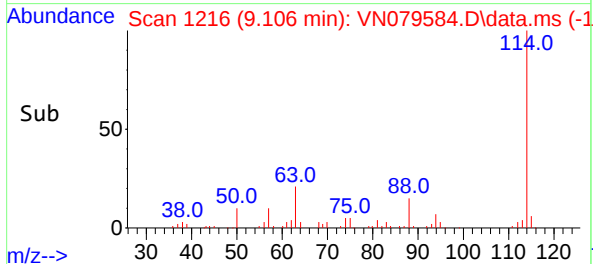
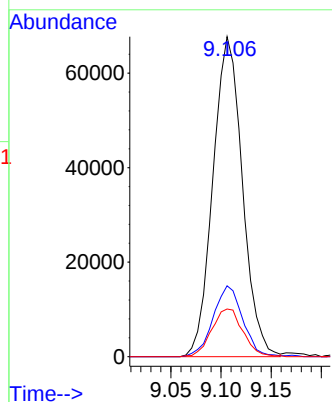
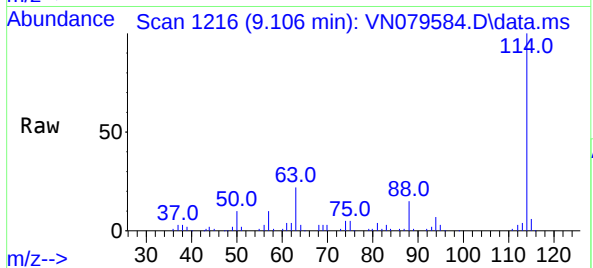




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079584.D  
Acq: 17 Oct 2023 16:21

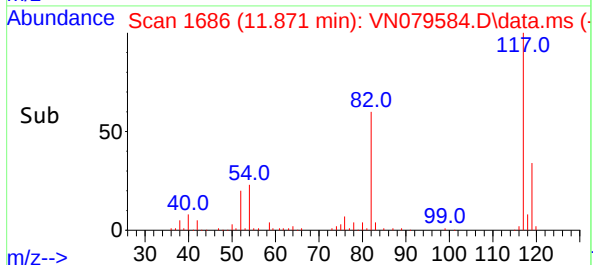
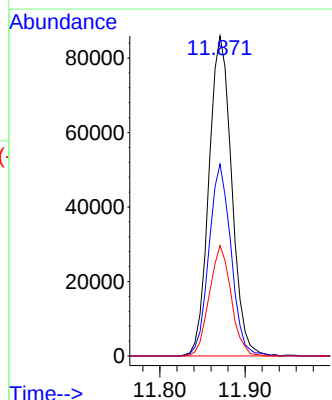
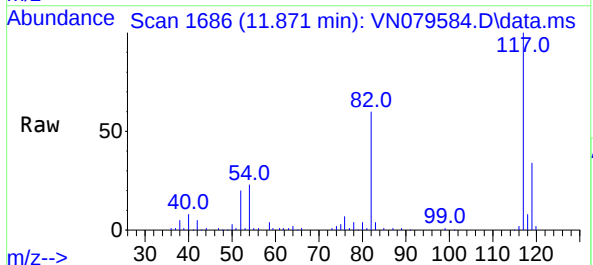
Instrument :  
MSVOA\_N  
ClientSampleId :  
LDET-12

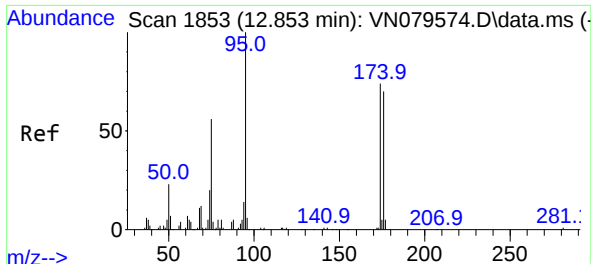
Tgt Ion:114 Resp: 138629  
Ion Ratio Lower Upper  
114 100  
63 22.2 18.1 27.1  
88 15.7 12.2 18.2



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079584.D  
Acq: 17 Oct 2023 16:21

Tgt Ion:117 Resp: 159692  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.2 69.2  
119 33.0 25.2 37.8

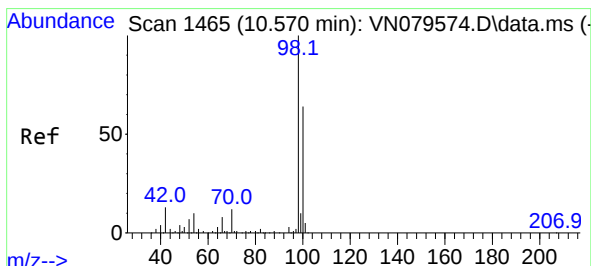
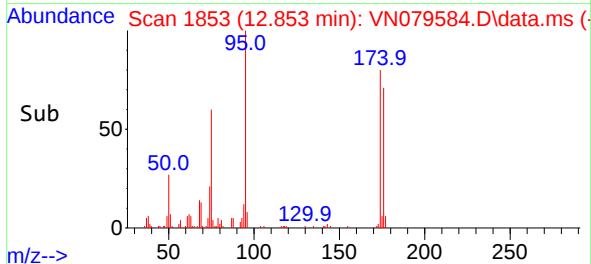
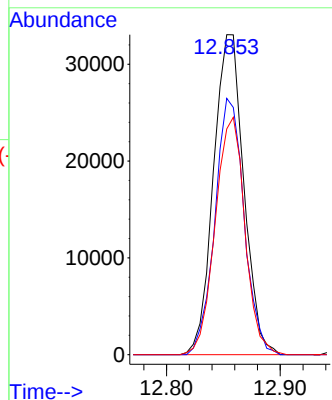
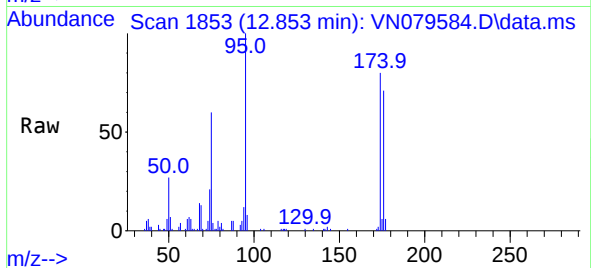




#60  
4-Bromofluorobenzene  
Concen: 20.971 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079584.D  
Acq: 17 Oct 2023 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
LDET-12

Tgt Ion: 95 Resp: 61242  
Ion Ratio Lower Upper  
95 100  
174 77.2 60.5 90.7  
176 72.6 57.2 85.8



#63  
Toluene-d8  
Concen: 29.666 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079584.D  
Acq: 17 Oct 2023 16:21

Tgt Ion: 98 Resp: 203004  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.6 77.4

