

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092223\  
 Data File : VN079330.D  
 Acq On : 22 Sep 2023 10:48  
 Operator : JC\MD  
 Sample : VN0922WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0922WBL01

Quant Time: Sep 23 00:40:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 08 05:09:17 2023  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.818  | 128  | 38283    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.106  | 114  | 169506   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.871 | 117  | 152437   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 27) 1,2-Dichloroethane-d4   | 8.583  | 65    | 84196    | 29.273   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 97.567% |
| 60) 4-Bromofluorobenzene    | 12.853 | 95    | 44279    | 19.714   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 65.700% |
| 63) Toluene-d8              | 10.571 | 98    | 208059   | 29.206   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 97.367% |

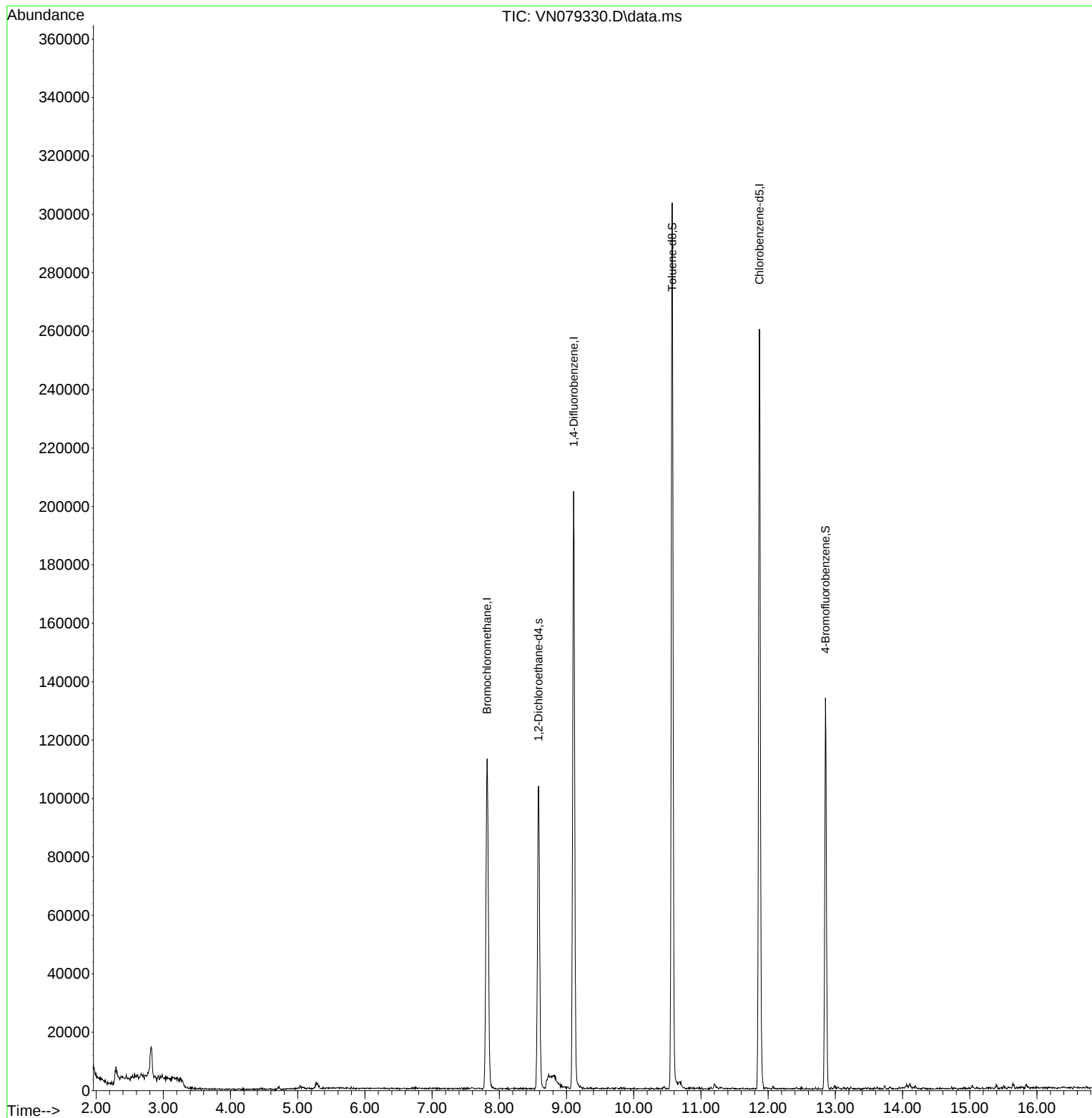
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

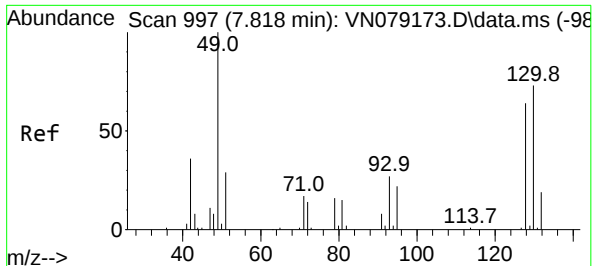
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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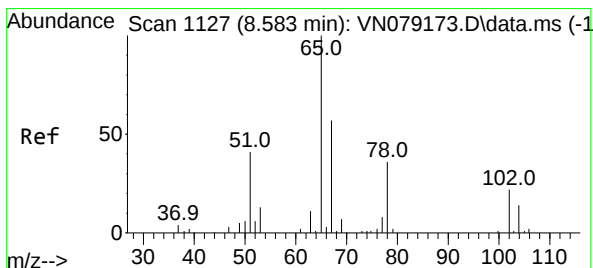
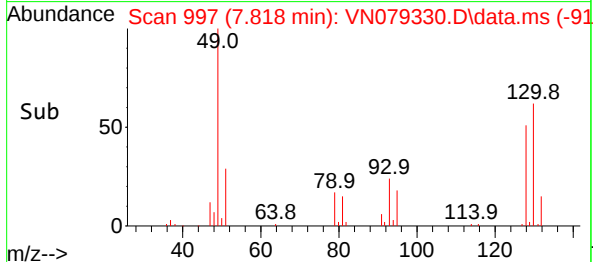
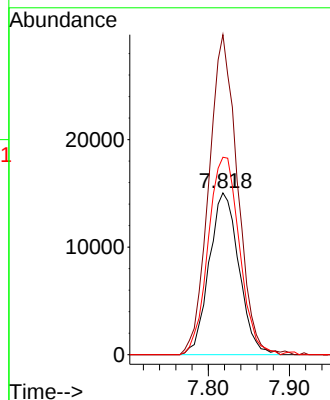
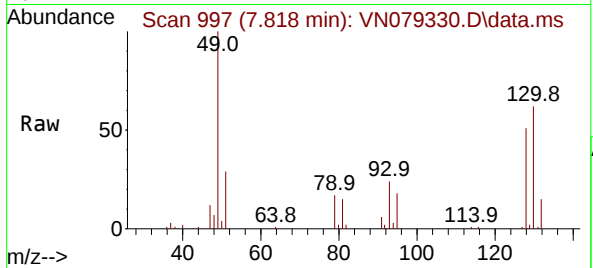




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN079330.D  
Acq: 22 Sep 2023 10:48

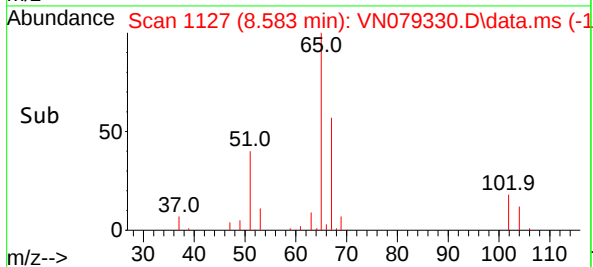
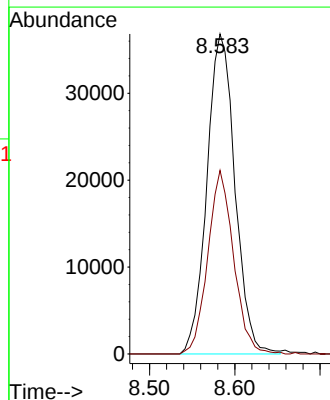
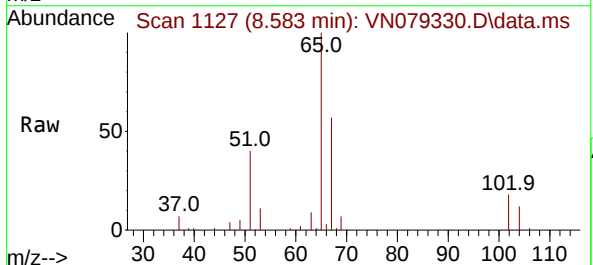
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0922WBL01

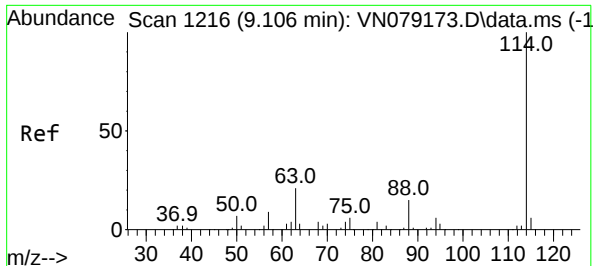
Tgt Ion:128 Resp: 38283  
Ion Ratio Lower Upper  
128 100  
49 190.2 0.0 414.3  
130 128.6 0.0 311.0



#27  
1,2-Dichloroethane-d4  
Concen: 29.273 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN079330.D  
Acq: 22 Sep 2023 10:48

Tgt Ion: 65 Resp: 84196  
Ion Ratio Lower Upper  
65 100  
67 52.7 44.4 66.6

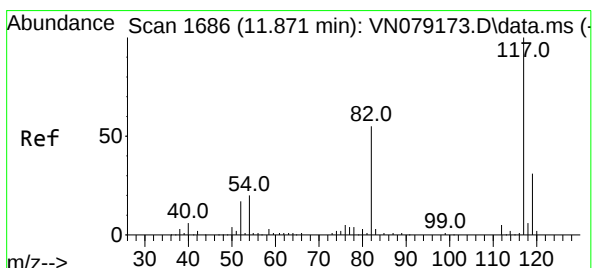
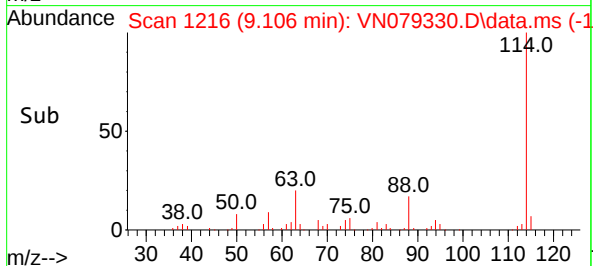
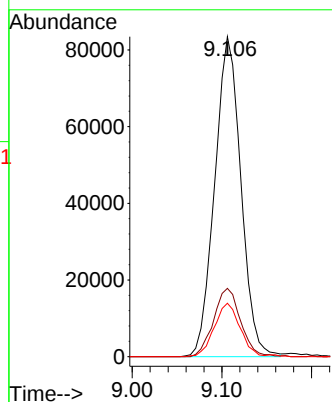
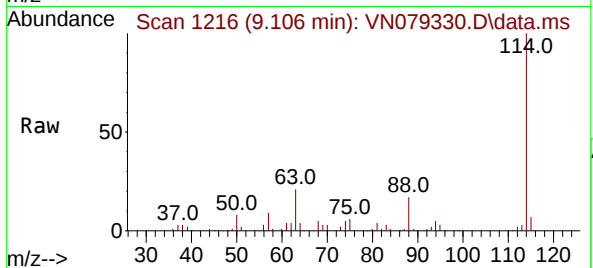




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079330.D  
Acq: 22 Sep 2023 10:48

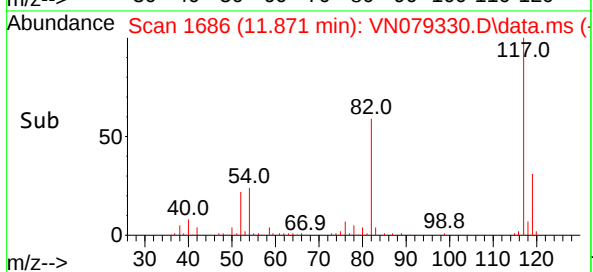
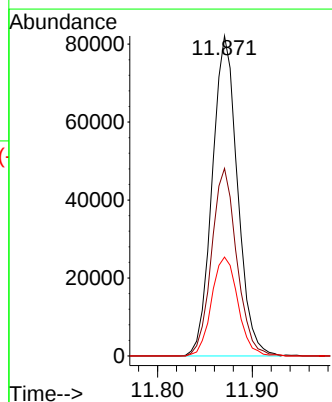
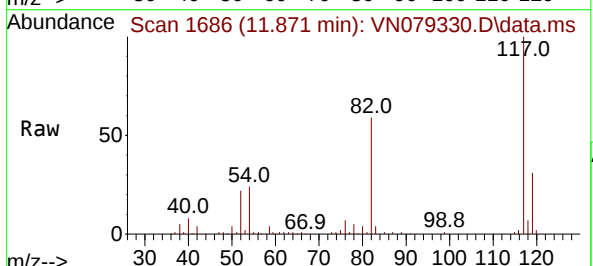
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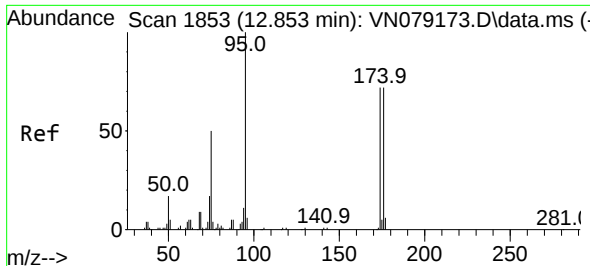
Tgt Ion:114 Resp: 169506  
Ion Ratio Lower Upper  
114 100  
63 21.9 17.0 25.4  
88 16.3 12.8 19.2



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079330.D  
Acq: 22 Sep 2023 10:48

Tgt Ion:117 Resp: 152437  
Ion Ratio Lower Upper  
117 100  
82 58.4 44.7 67.1  
119 32.0 24.9 37.3

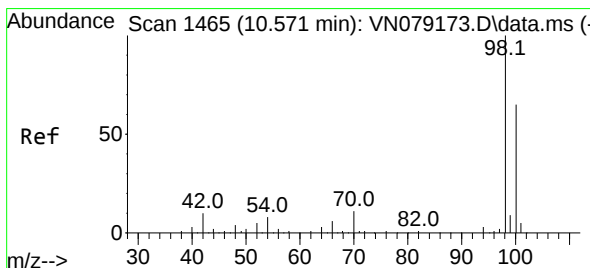
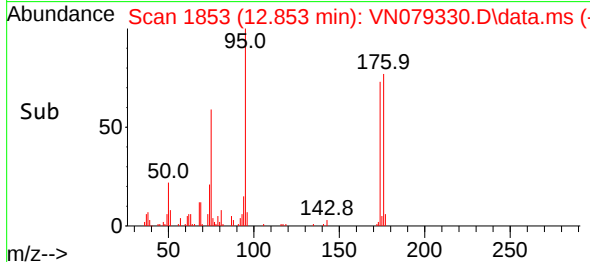
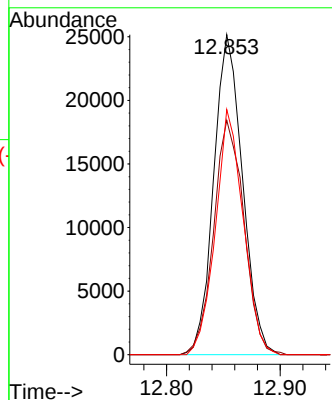
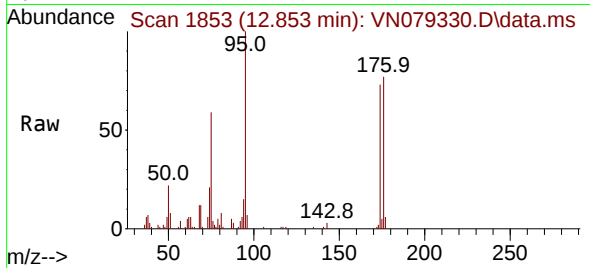




#60  
4-Bromofluorobenzene  
Concen: 19.714 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079330.D  
Acq: 22 Sep 2023 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0922WBL01

Tgt Ion: 95 Resp: 44279  
Ion Ratio Lower Upper  
95 100  
174 76.9 59.5 89.3  
176 74.2 59.1 88.7



#63  
Toluene-d8  
Concen: 29.206 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079330.D  
Acq: 22 Sep 2023 10:48

Tgt Ion: 98 Resp: 208059  
Ion Ratio Lower Upper  
98 100  
100 62.7 52.5 78.7

