

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090823\  
 Data File : VN079197.D  
 Acq On : 08 Sep 2023 15:04  
 Operator : JC\MD  
 Sample : 04329-01RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 230905094-05RE

Quant Time: Sep 08 18:06:30 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

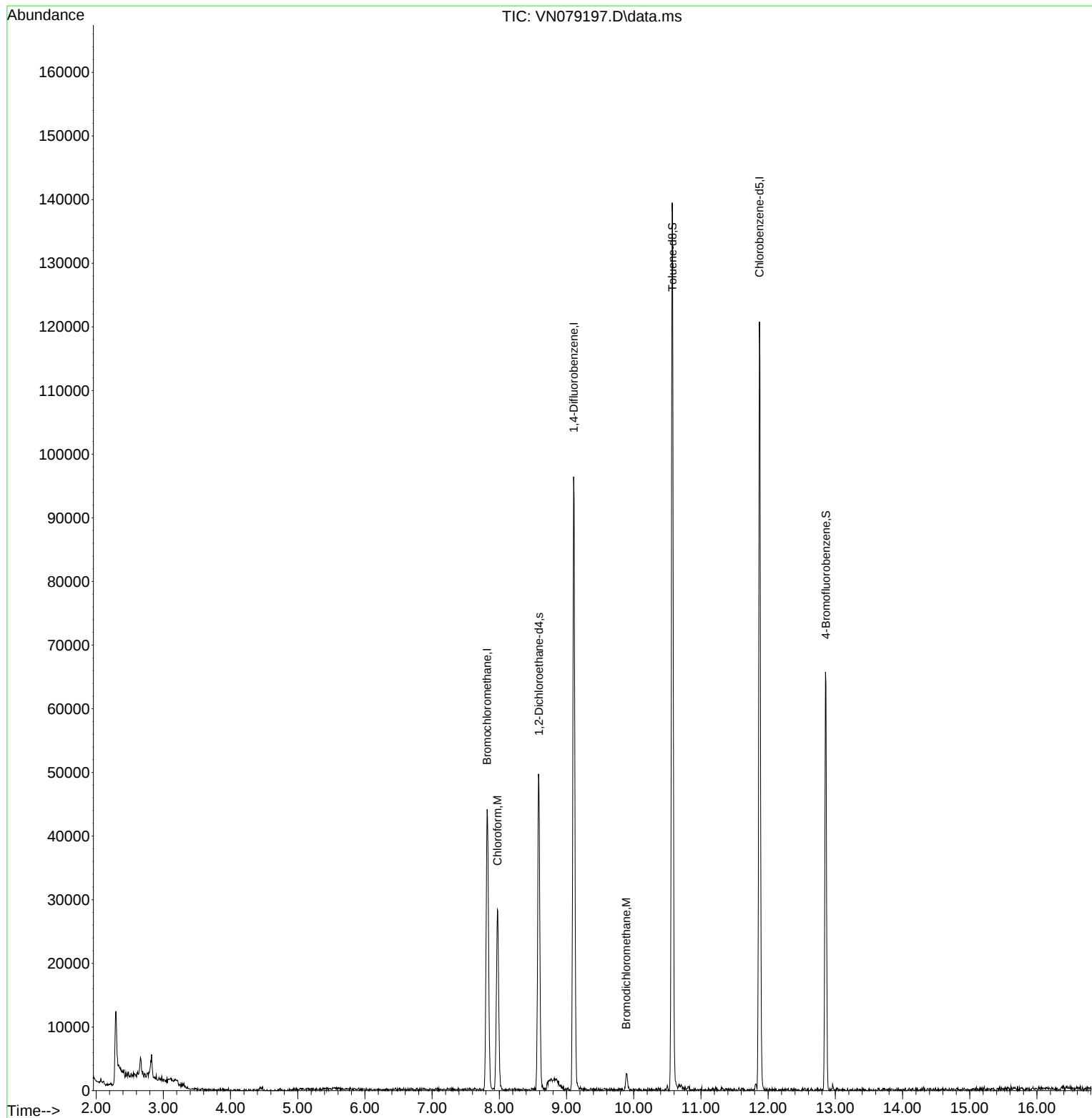
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|--------|-----------|
| -----                       |        |       |          |          |        |           |
| Internal Standards          |        |       |          |          |        |           |
| 1) Bromochloromethane       | 7.818  | 128   | 16562    | 30.000   | ug/l   | 0.00      |
| 28) 1,4-Difluorobenzene     | 9.106  | 114   | 84787    | 30.000   | ug/l   | 0.00      |
| 57) Chlorobenzene-d5        | 11.871 | 117   | 73851    | 30.000   | ug/l   | 0.00      |
| System Monitoring Compounds |        |       |          |          |        |           |
| 27) 1,2-Dichloroethane-d4   | 8.588  | 65    | 41414    | 33.282   | ug/l   | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 110.933%# |
| 60) 4-Bromofluorobenzene    | 12.859 | 95    | 23014    | 21.150   | ug/l   | 0.00      |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 70.500%   |
| 63) Toluene-d8              | 10.577 | 98    | 99160    | 28.731   | ug/l   | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 95.767%   |
| Target Compounds            |        |       |          |          |        |           |
| 25) Chloroform              | 7.971  | 83    | 28006    | 14.187   | ug/l   | Qvalue 98 |
| 41) Bromodichloromethane    | 9.888  | 83    | 2663     | 1.818    | ug/l # | 85        |
| -----                       |        |       |          |          |        |           |

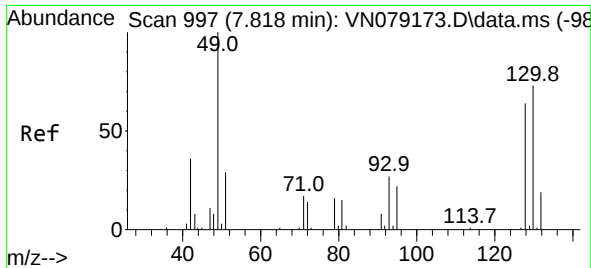
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Sep 08 05:09:17 2023  
Response via : Initial Calibration

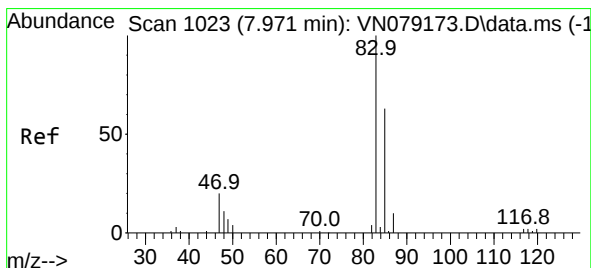
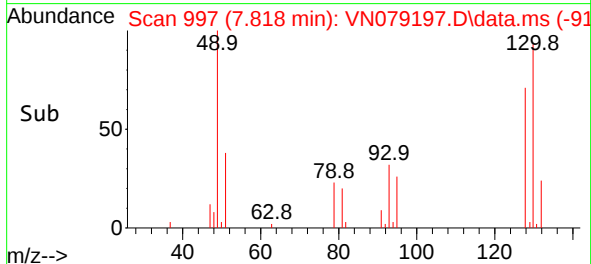
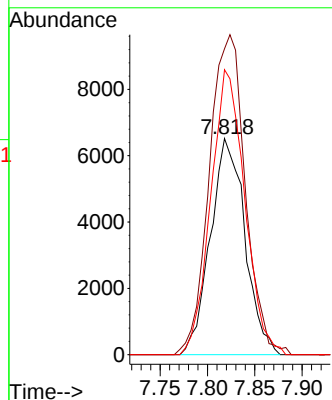
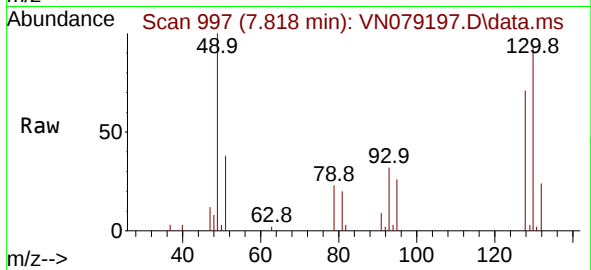




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN079197.D  
Acq: 08 Sep 2023 15:04

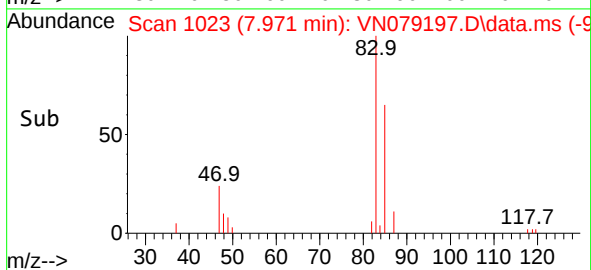
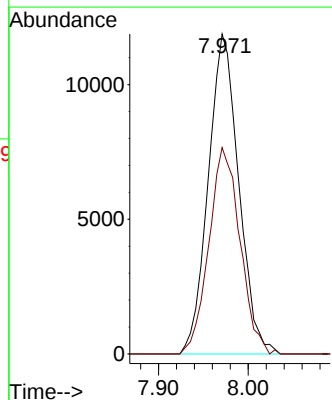
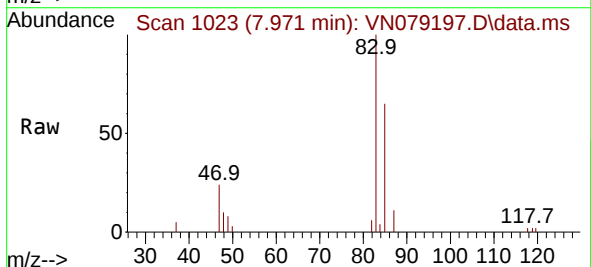
Instrument :  
MSVOA\_N  
ClientSampleId :  
230905094-05RE

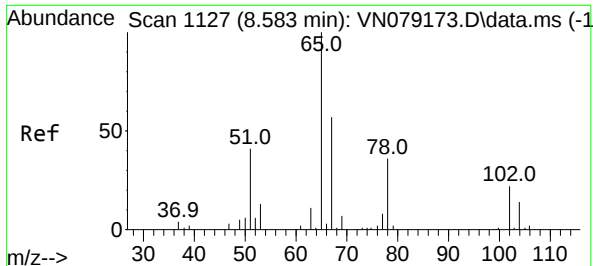
Tgt Ion:128 Resp: 16562  
Ion Ratio Lower Upper  
128 100  
49 154.2 0.0 414.3  
130 129.7 0.0 311.0



#25  
Chloroform  
Concen: 14.187 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: VN079197.D  
Acq: 08 Sep 2023 15:04

Tgt Ion: 83 Resp: 28006  
Ion Ratio Lower Upper  
83 100  
85 64.5 50.6 76.0

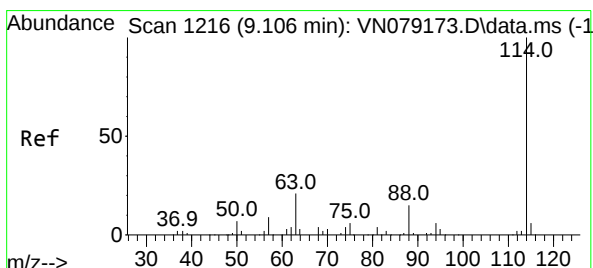
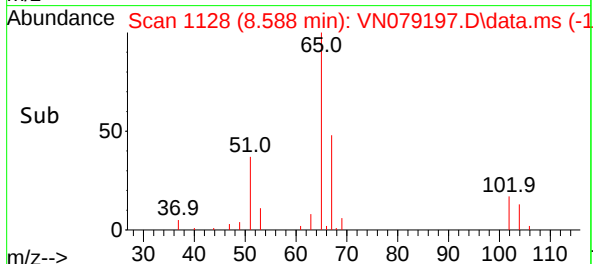
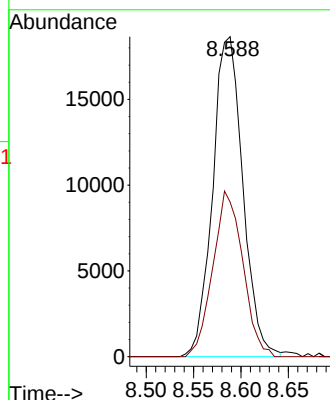
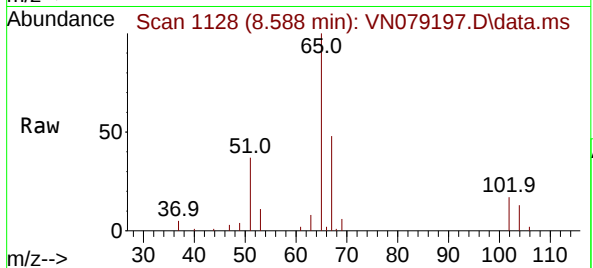




#27  
1,2-Dichloroethane-d4  
Concen: 33.282 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.005 min  
Lab File: VN079197.D  
Acq: 08 Sep 2023 15:04

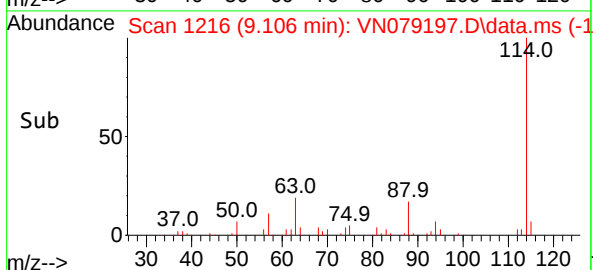
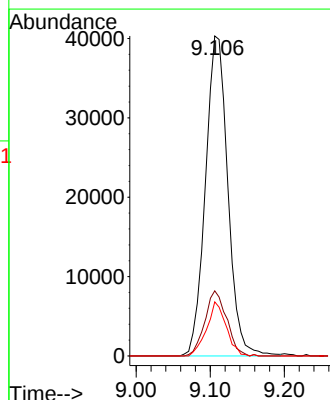
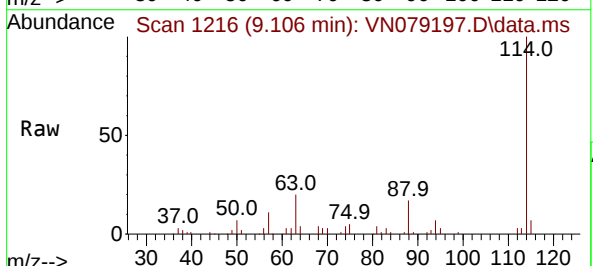
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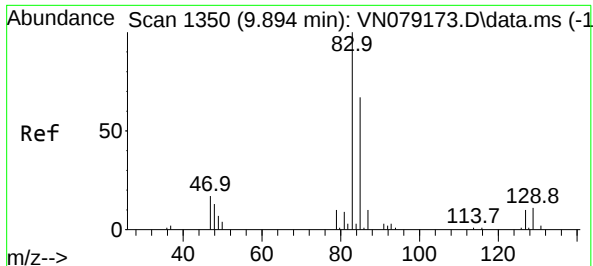
Tgt Ion: 65 Resp: 41414  
Ion Ratio Lower Upper  
65 100  
67 51.2 44.4 66.6



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. 0.000 min  
Lab File: VN079197.D  
Acq: 08 Sep 2023 15:04

Tgt Ion: 114 Resp: 84787  
Ion Ratio Lower Upper  
114 100  
63 19.8 17.0 25.4  
88 14.7 12.8 19.2

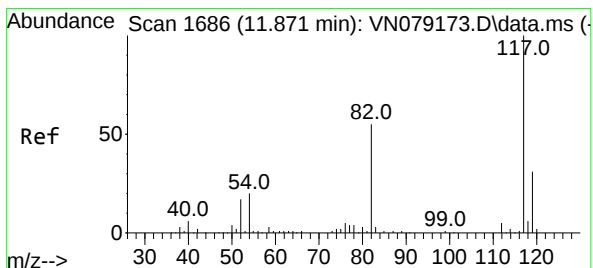
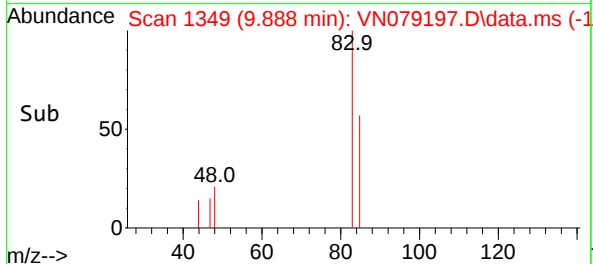
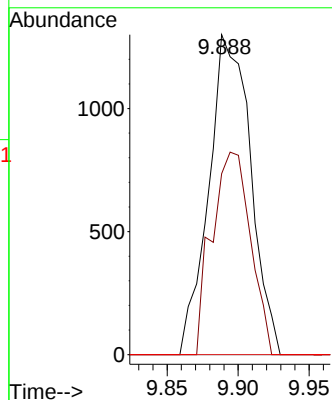
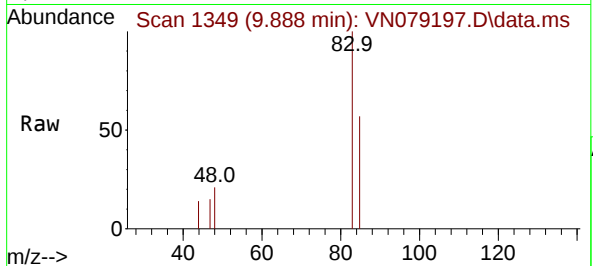




#41  
Bromodichloromethane  
Concen: 1.818 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. -0.006 min  
Lab File: VN079197.D  
Acq: 08 Sep 2023 15:04

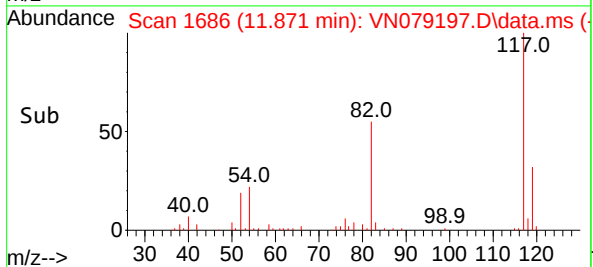
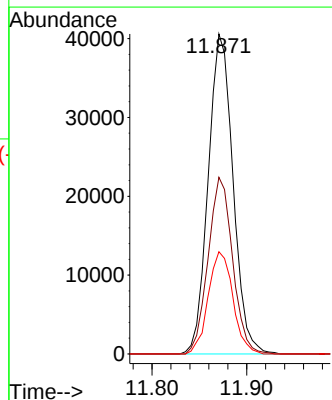
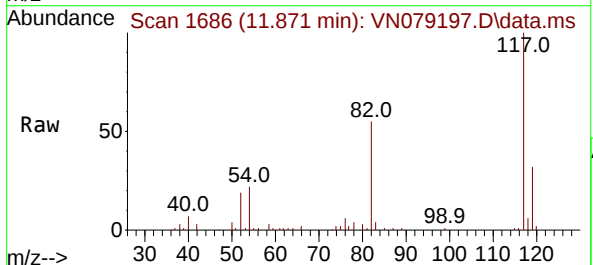
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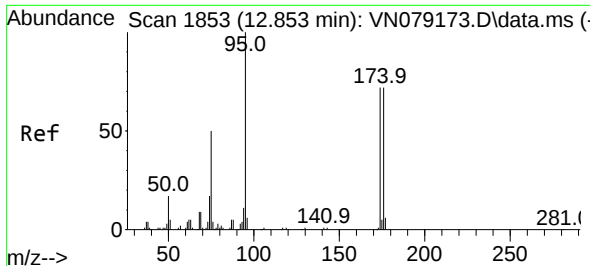
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 83 | Resp: | 2663  |       |
| Ion Ratio   | Lower | Upper |       |
| 83          | 100   |       |       |
| 85          | 56.5  | 53.4  | 80.2  |
| 127         | 0.0   | 8.3   | 12.5# |



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079197.D  
Acq: 08 Sep 2023 15:04

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:117 | Resp: | 73851 |       |
| Ion         | Ratio | Lower | Upper |
| 117         | 100   |       |       |
| 82          | 54.5  | 44.7  | 67.1  |
| 119         | 31.8  | 24.9  | 37.3  |

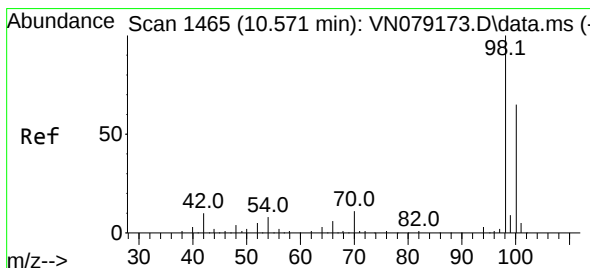
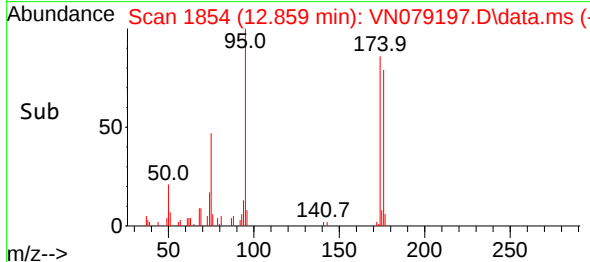
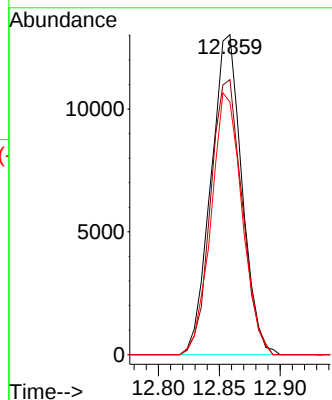
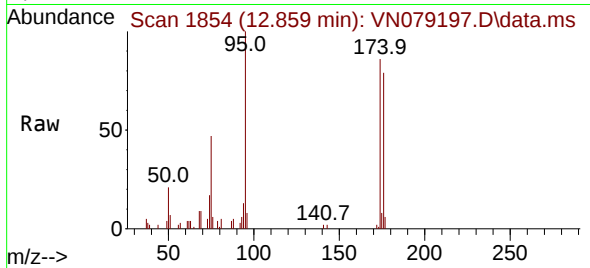




#60  
4-Bromofluorobenzene  
Concen: 21.150 ug/l  
RT: 12.859 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN079197.D  
Acq: 08 Sep 2023 15:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
230905094-05RE

Tgt Ion: 95 Resp: 23014  
Ion Ratio Lower Upper  
95 100  
174 87.3 59.5 89.3  
176 81.9 59.1 88.7



#63  
Toluene-d8  
Concen: 28.731 ug/l  
RT: 10.577 min Scan# 1466  
Delta R.T. 0.006 min  
Lab File: VN079197.D  
Acq: 08 Sep 2023 15:04

Tgt Ion: 98 Resp: 99160  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.5 78.7

