

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032024\  
 Data File : VN081497.D  
 Acq On : 20 Mar 2024 16:34  
 Operator : JC\MD  
 Sample : P1784-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-7

Quant Time: Mar 21 01:21:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

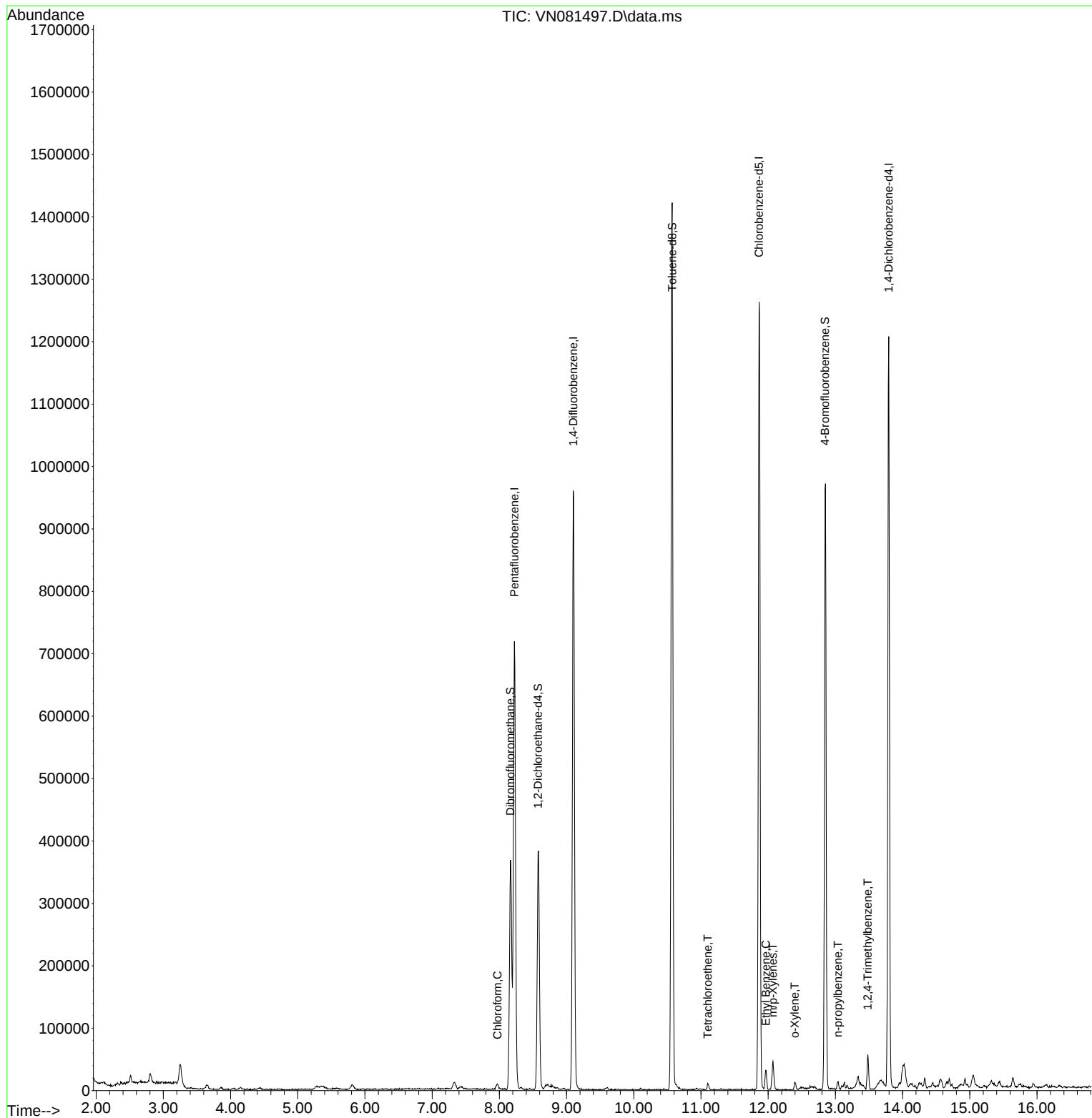
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 518761   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 866899   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 765667   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 325305   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 314557   | 47.548   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 95.100%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 265763   | 48.577   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 97.160%  |
| 50) Toluene-d8              | 10.571 | 98    | 1007708  | 50.953   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 101.900% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 332923   | 47.774   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =      | 95.540%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 30) Chloroform              | 7.971  | 83    | 8113     | 0.635    | ug/l   | 91       |
| 64) Tetrachloroethene       | 11.100 | 164   | 2034     | 0.278    | ug/l   | # 77     |
| 67) Ethyl Benzene           | 11.965 | 91    | 21488    | 0.683    | ug/l   | 93       |
| 68) m/p-Xylenes             | 12.070 | 106   | 13869    | 1.177    | ug/l   | 99       |
| 69) o-Xylene                | 12.394 | 106   | 3732     | 0.323    | ug/l   | 96       |
| 78) n-propylbenzene         | 13.035 | 91    | 11783    | 0.360    | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.482 | 105   | 28963    | 1.258    | ug/l   | 92       |
| -----                       |        |       |          |          |        |          |

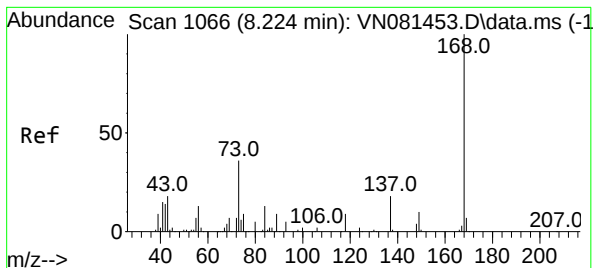
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032024\  
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Quant Time: Mar 21 01:21:45 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 06:00:00 2024  
Response via : Initial Calibration

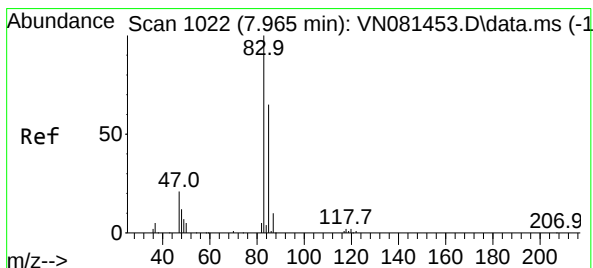
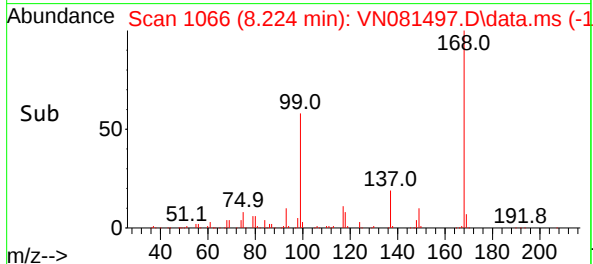
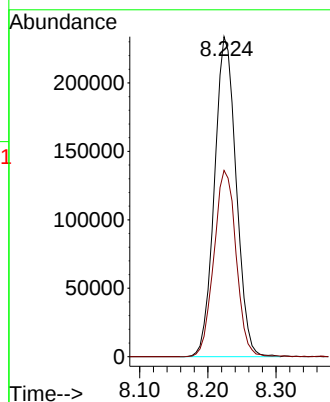
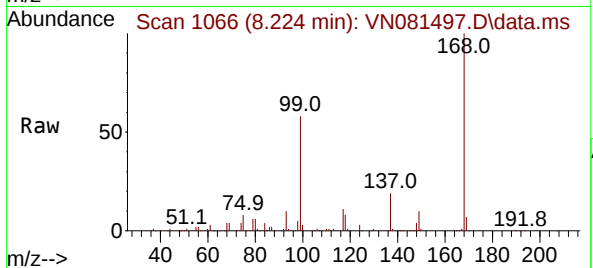




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

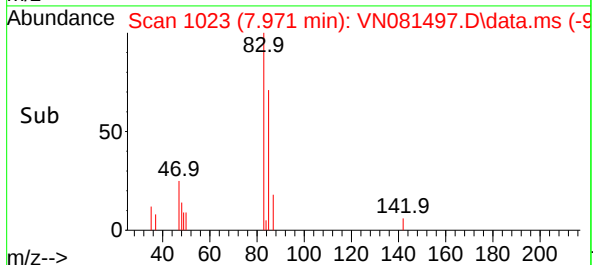
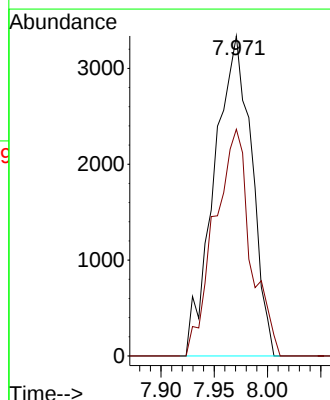
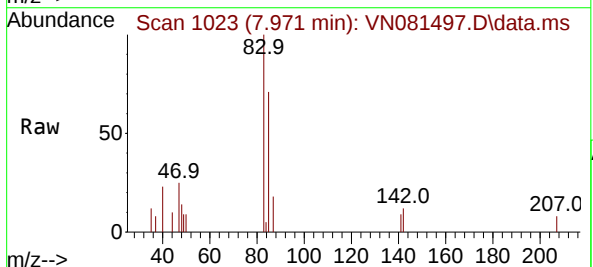
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-7

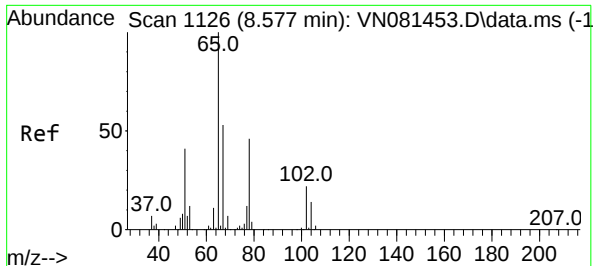
Tgt Ion:168 Resp: 518761  
Ion Ratio Lower Upper  
168 100  
99 58.2 59.9 89.9#



#30  
Chloroform  
Concen: 0.635 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. 0.006 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

Tgt Ion: 83 Resp: 8113  
Ion Ratio Lower Upper  
83 100  
85 70.9 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 47.548 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081497.D

Acq: 20 Mar 2024 16:34

Instrument :

MSVOA\_N

ClientSampleId :

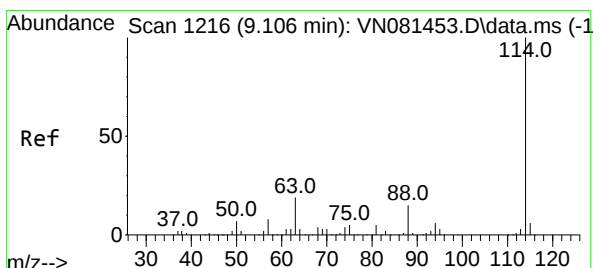
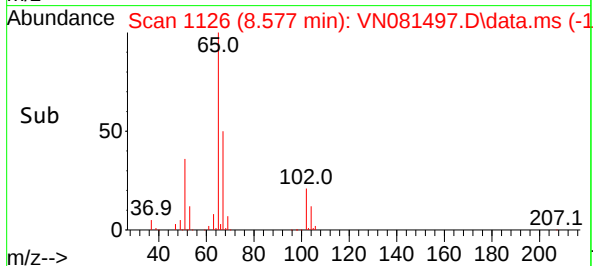
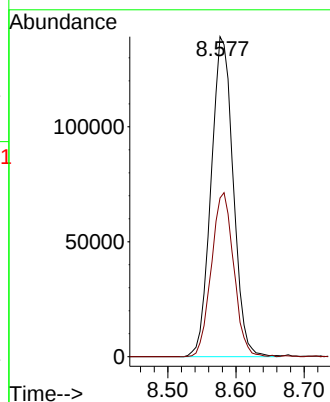
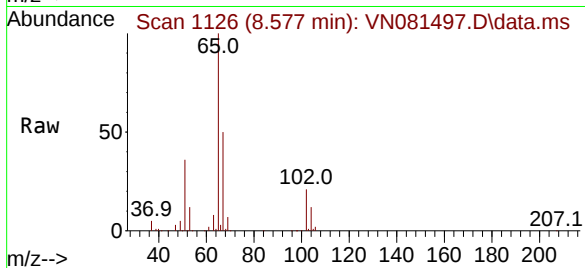
MW-7

Tgt Ion: 65 Resp: 314557

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081497.D

Acq: 20 Mar 2024 16:34

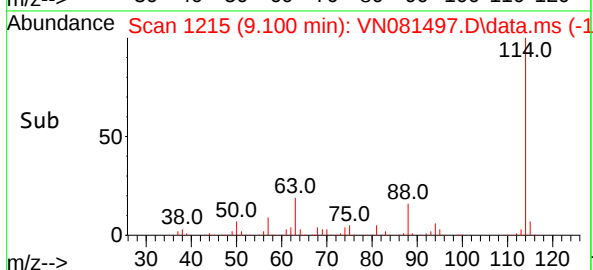
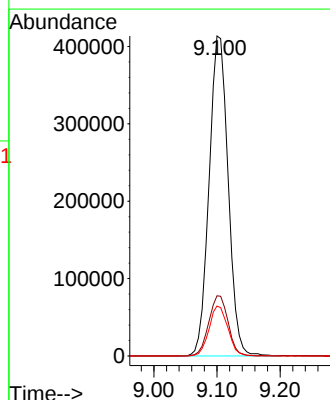
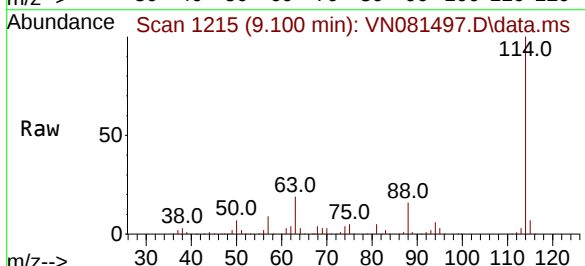
Tgt Ion: 114 Resp: 866899

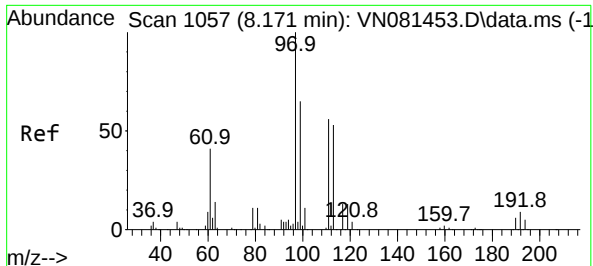
Ion Ratio Lower Upper

114 100

63 18.8 0.0 48.0

88 15.6 0.0 34.8

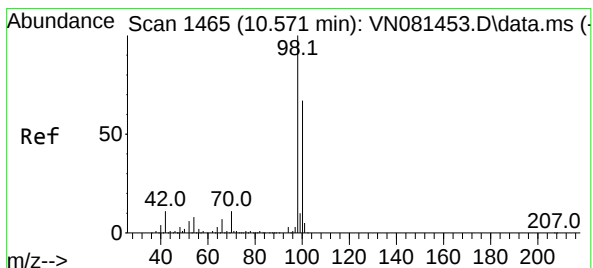
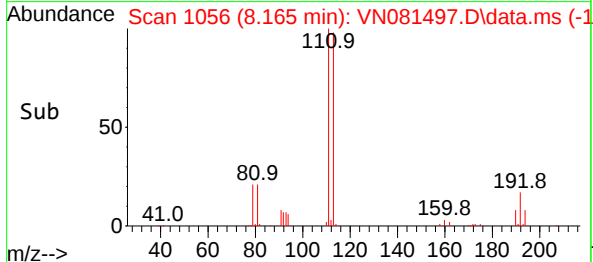
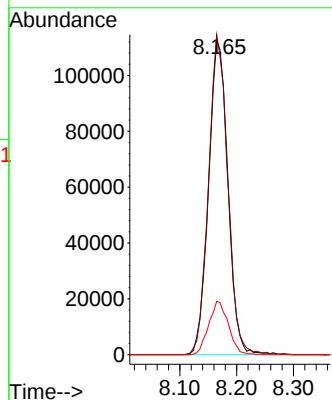
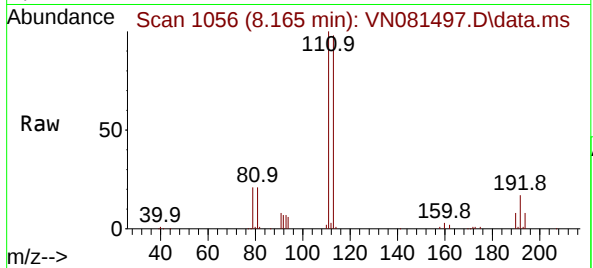




#35  
Dibromofluoromethane  
Concen: 48.577 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

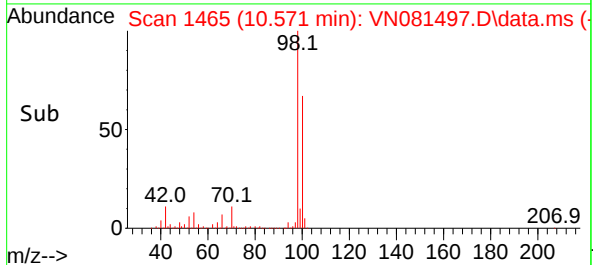
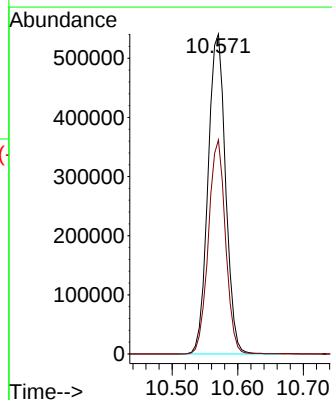
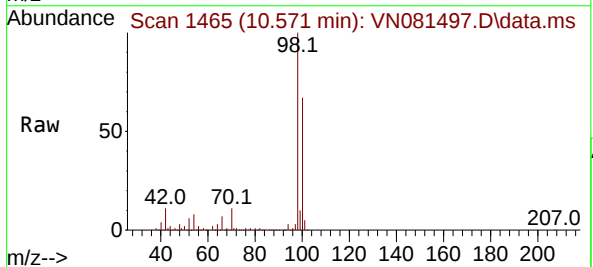
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-7

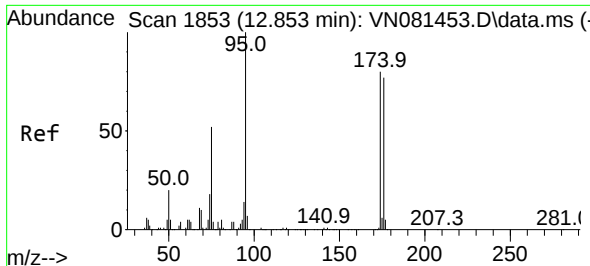
Tgt Ion:113 Resp: 265763  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.2 123.4  
192 17.3 12.5 18.7



#50  
Toluene-d8  
Concen: 50.953 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

Tgt Ion: 98 Resp: 1007708  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.4 77.0

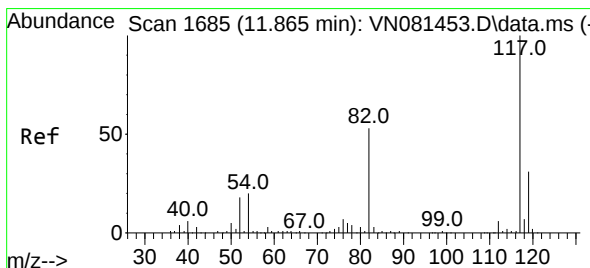
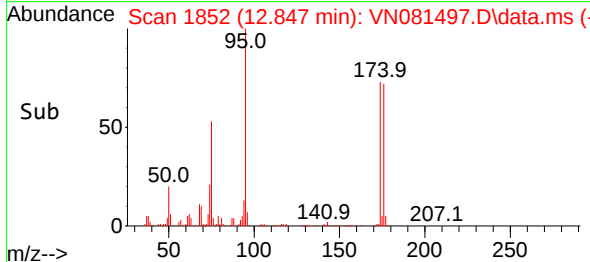
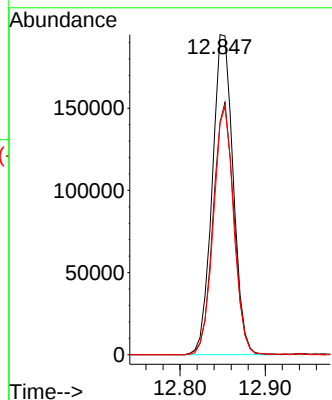
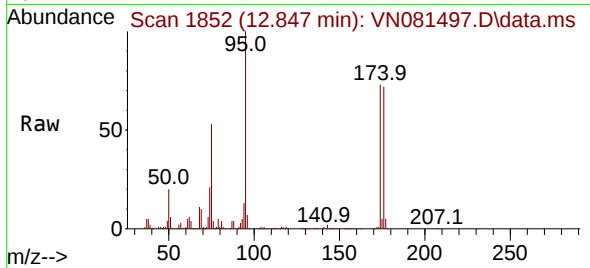




#62  
4-Bromofluorobenzene  
Concen: 47.774 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

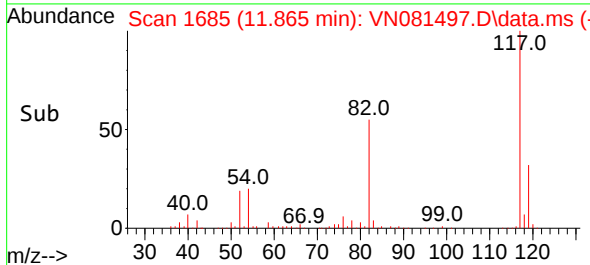
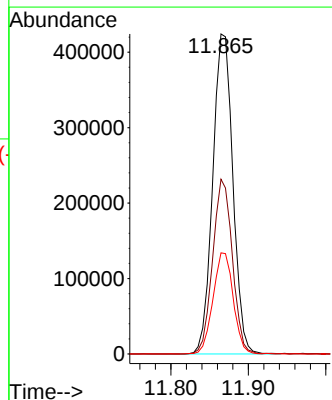
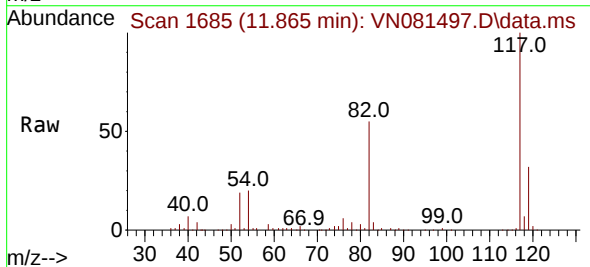
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-7

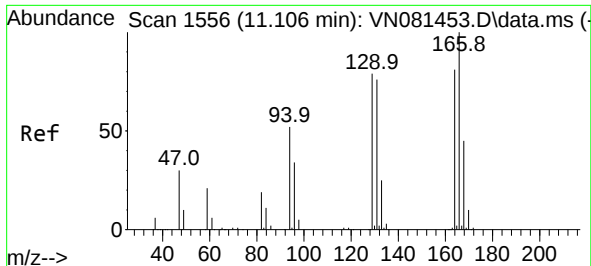
Tgt Ion: 95 Resp: 332923  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 120.4  
176 75.0 0.0 121.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

Tgt Ion: 117 Resp: 765667  
Ion Ratio Lower Upper  
117 100  
82 54.6 52.7 79.1  
119 31.6 25.3 37.9

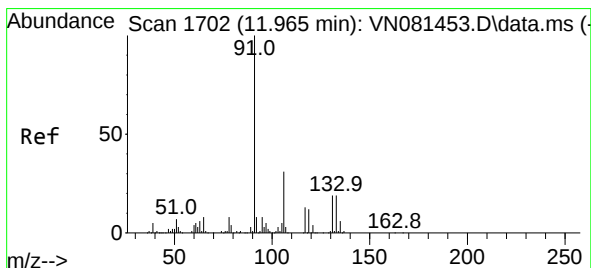
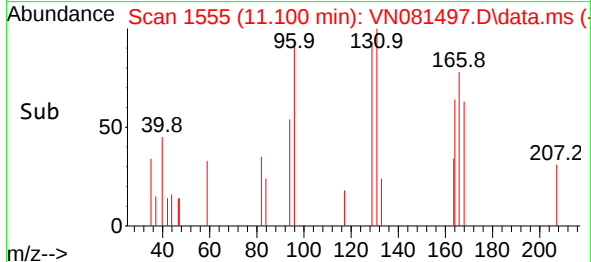
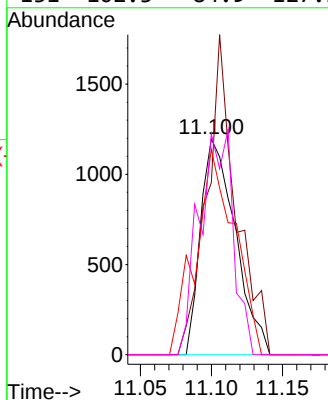
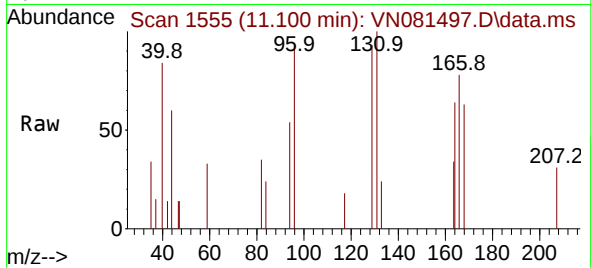




#64  
Tetrachloroethene  
Concen: 0.278 ug/l  
RT: 11.100 min Scan# 1155  
Delta R.T. -0.006 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

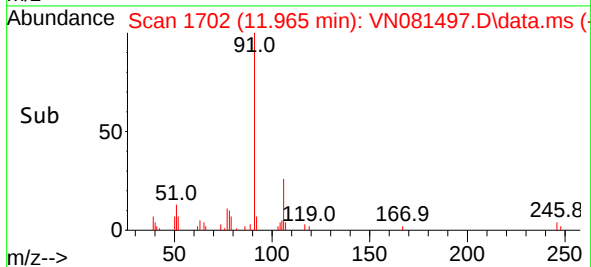
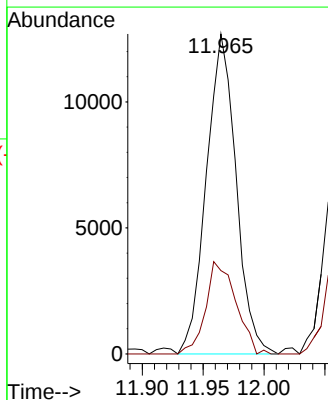
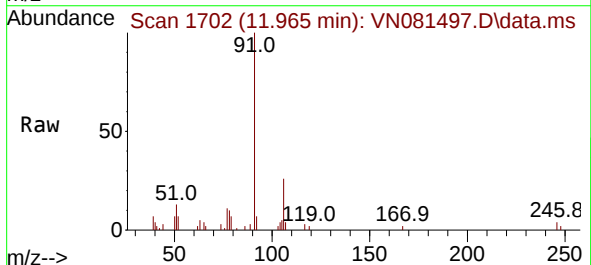
Instrument :  
MSVOA\_N  
ClientSampleId :  
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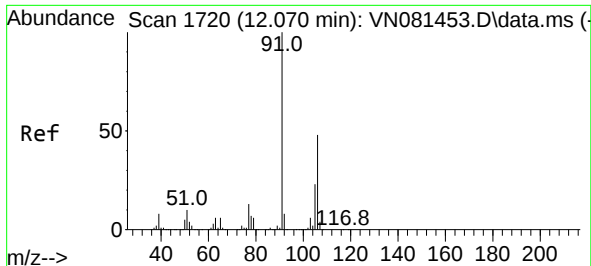
|             |       |              |
|-------------|-------|--------------|
| Tgt Ion:164 | Resp: | 2034         |
| Ion         | Ratio | Lower Upper  |
| 164         | 100   |              |
| 166         | 79.8  | 105.8 158.6# |
| 129         | 95.2  | 89.6 134.4   |
| 131         | 102.3 | 84.9 127.3   |



#67  
Ethyl Benzene  
Concen: 0.683 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 21488       |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 106         | 26.1  | 23.8 35.6   |

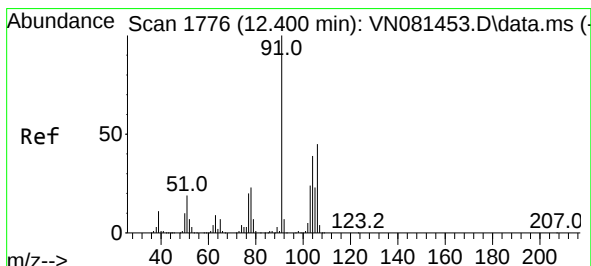
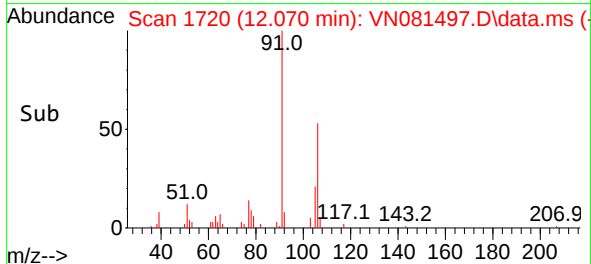
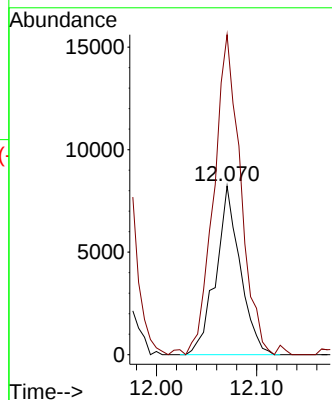
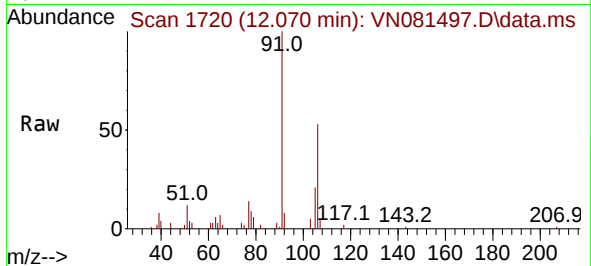




#68  
m/p-Xylenes  
Concen: 1.177 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

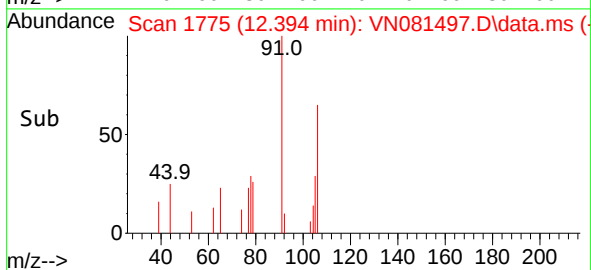
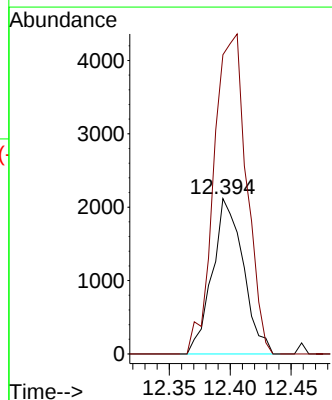
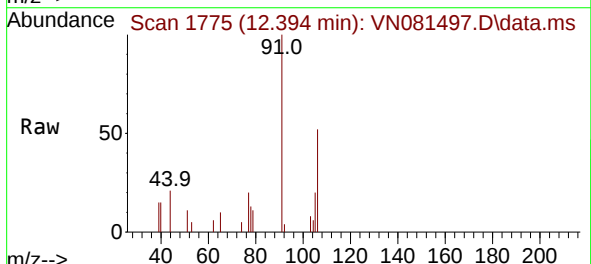
Instrument :  
MSVOA\_N  
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MW-7

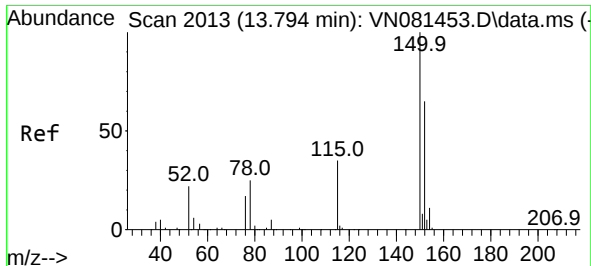
Tgt Ion:106 Resp: 13869  
Ion Ratio Lower Upper  
106 100  
91 209.3 169.0 253.6



#69  
o-Xylene  
Concen: 0.323 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: VN081497.D  
Acq: 20 Mar 2024 16:34

Tgt Ion:106 Resp: 3732  
Ion Ratio Lower Upper  
106 100  
91 218.1 112.1 336.3

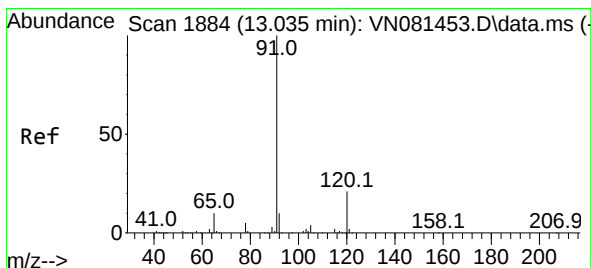
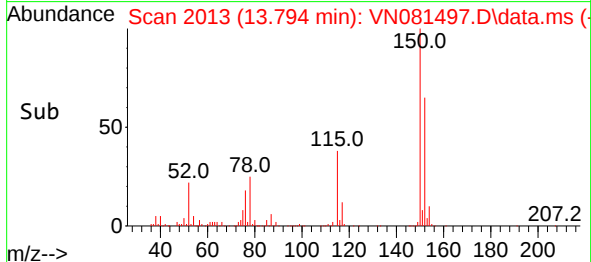
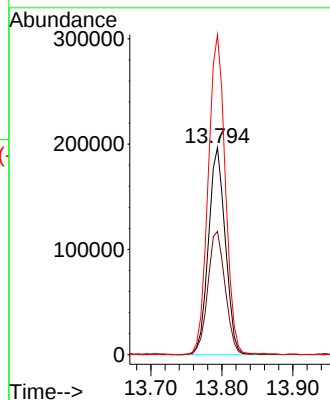
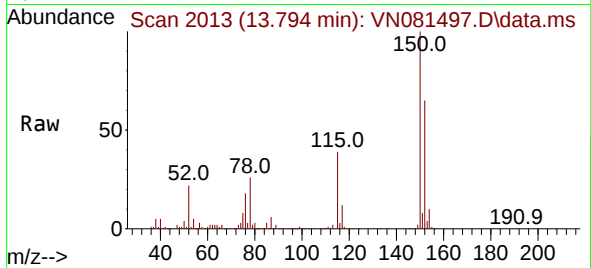




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. 0.000 min  
 Lab File: VN081497.D  
 Acq: 20 Mar 2024 16:34

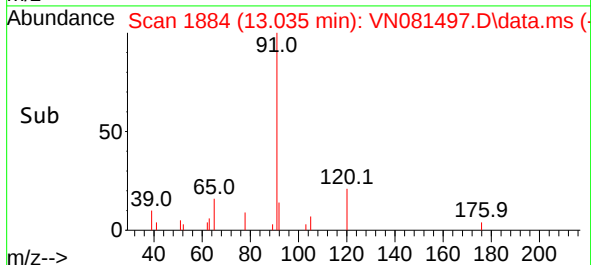
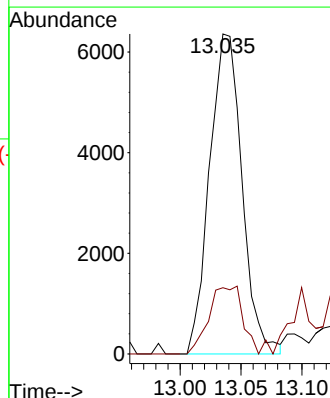
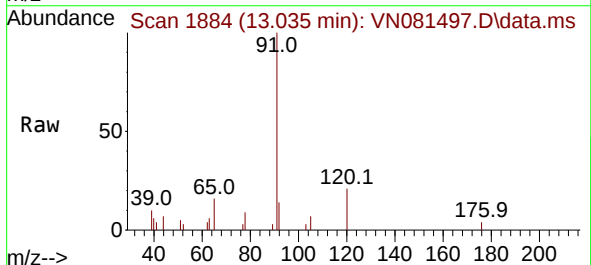
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-7

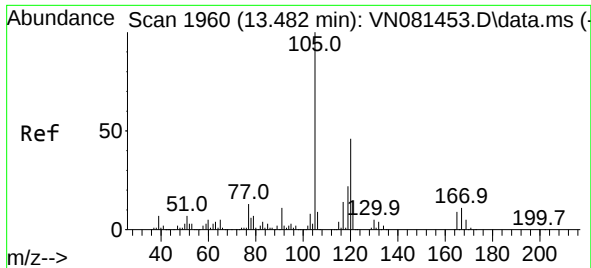
Tgt Ion:152 Resp: 325305  
 Ion Ratio Lower Upper  
 152 100  
 115 61.7 32.3 96.8  
 150 156.8 0.0 339.8



#78  
 n-propylbenzene  
 Concen: 0.360 ug/l  
 RT: 13.035 min Scan# 1884  
 Delta R.T. 0.000 min  
 Lab File: VN081497.D  
 Acq: 20 Mar 2024 16:34

Tgt Ion: 91 Resp: 11783  
 Ion Ratio Lower Upper  
 91 100  
 120 21.8 10.3 30.9





#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.258 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.000 min  
 Lab File: VN081497.D  
 Acq: 20 Mar 2024 16:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-7

Tgt Ion:105 Resp: 28963  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 20.9 62.7

