

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087681.D
 Acq On : 28 Aug 2025 13:44
 Operator : JC\MD
 Sample : Q2971-37
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GROUNDWATER

Quant Time: Aug 29 03:17:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

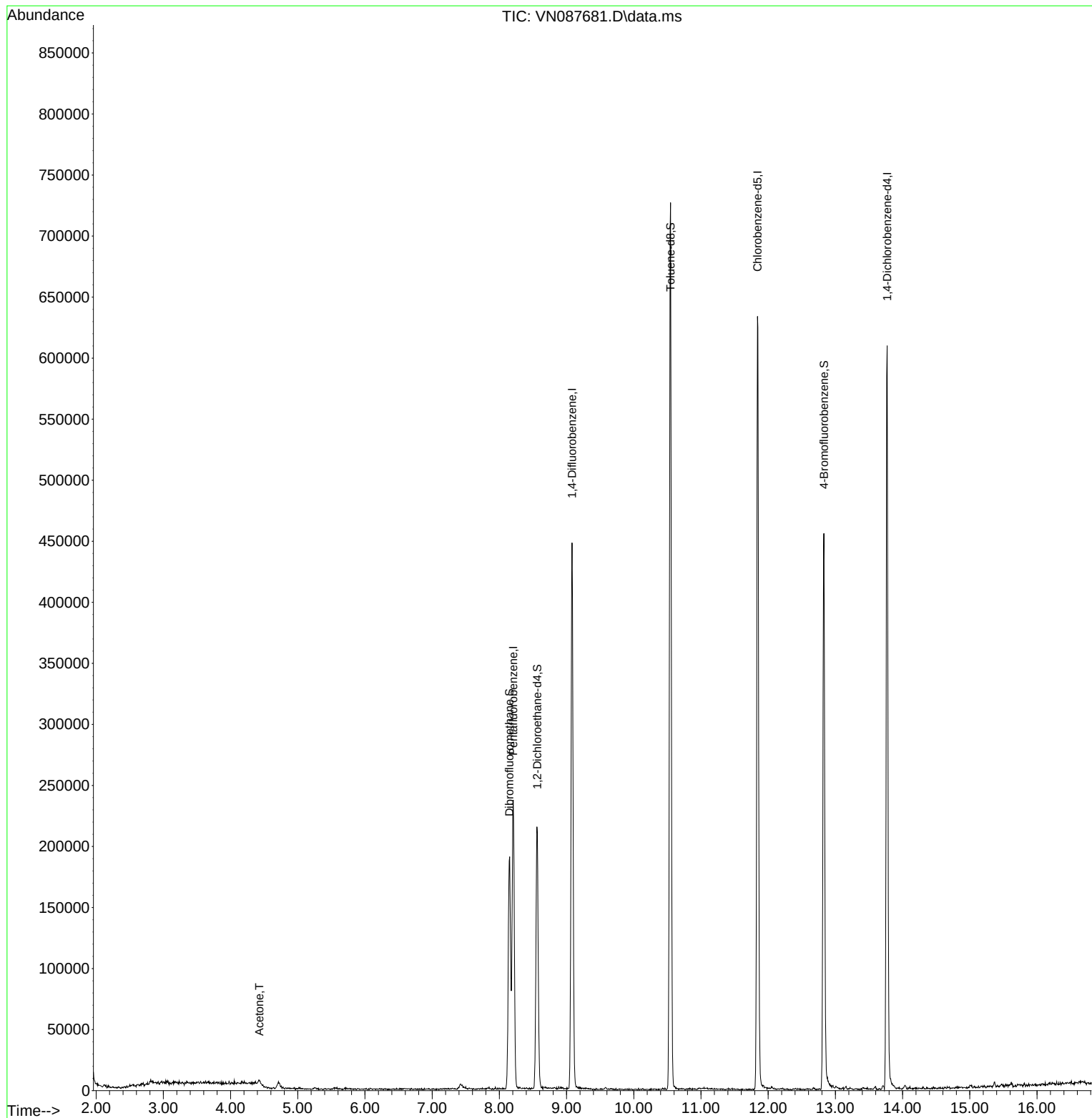
Internal Standards						
1) Pentafluorobenzene	8.206	168	159138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	368471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	345953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	156362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	179854	55.161	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.320%
35) Dibromofluoromethane	8.147	113	136277	51.225	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.460%
50) Toluene-d8	10.547	98	489797	49.190	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	12.829	95	159613	45.074	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.140%
Target Compounds						
16) Acetone	4.430	43	6520	3.673	ug/l	Qvalue # 62

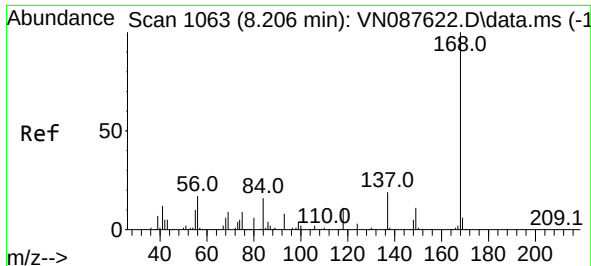
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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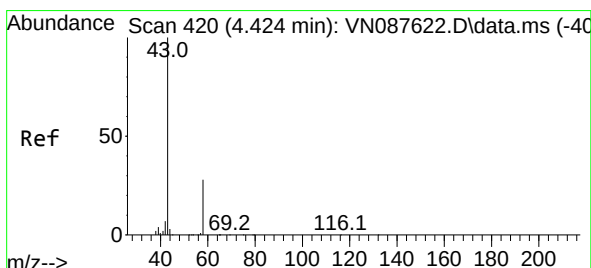
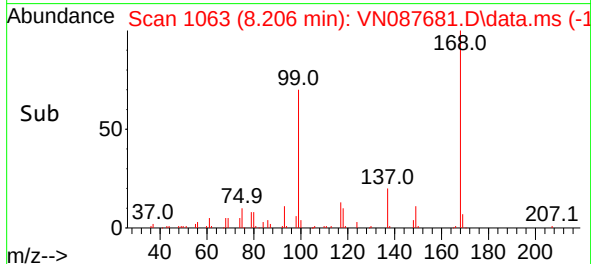
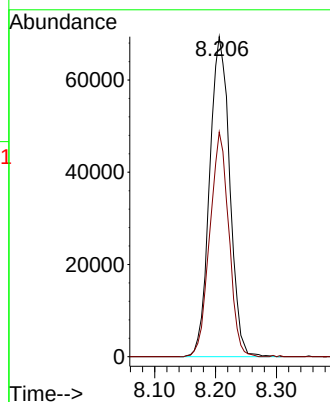
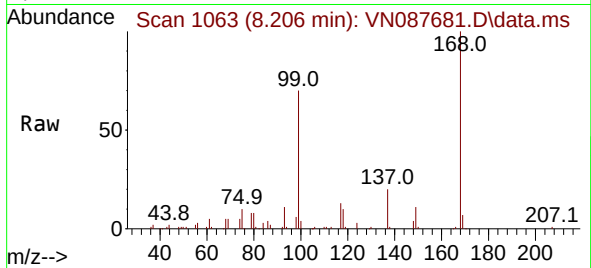




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087681.D
Acq: 28 Aug 2025 13:44

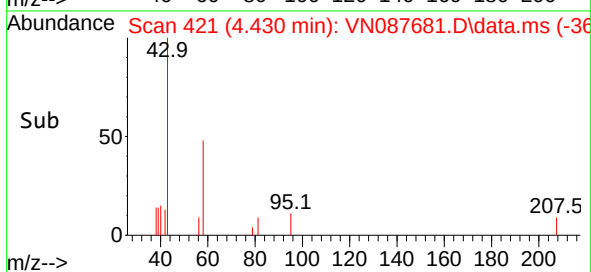
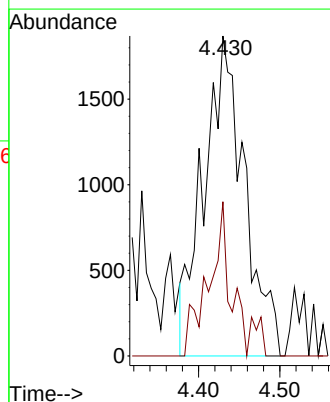
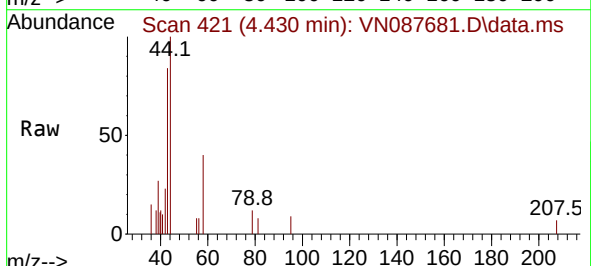
Instrument :
MSVOA_N
ClientSampleId :
GROUNDWATER

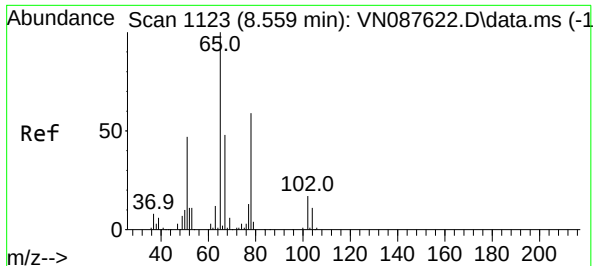
Tgt Ion:168 Resp: 159138
Ion Ratio Lower Upper
168 100
99 70.2 57.2 85.8



#16
Acetone
Concen: 3.673 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087681.D
Acq: 28 Aug 2025 13:44

Tgt Ion: 43 Resp: 6520
Ion Ratio Lower Upper
43 100
58 48.2 22.6 33.8#





#33

1,2-Dichloroethane-d4

Concen: 55.161 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087681.D

Acq: 28 Aug 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

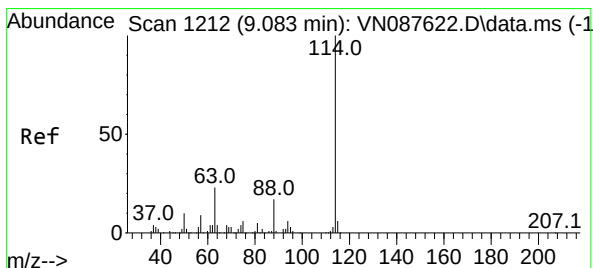
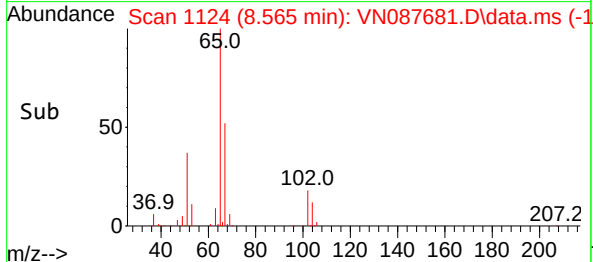
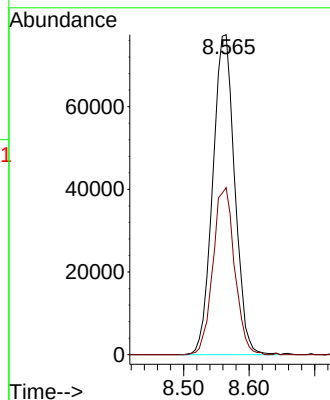
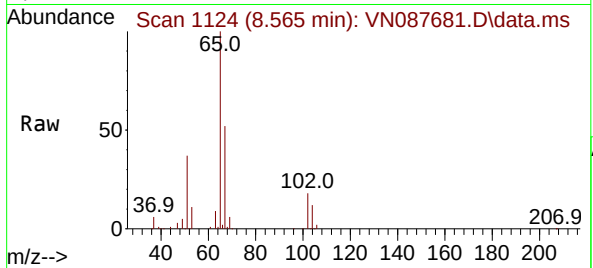
GROUNDWATER

Tgt Ion: 65 Resp: 179854

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087681.D

Acq: 28 Aug 2025 13:44

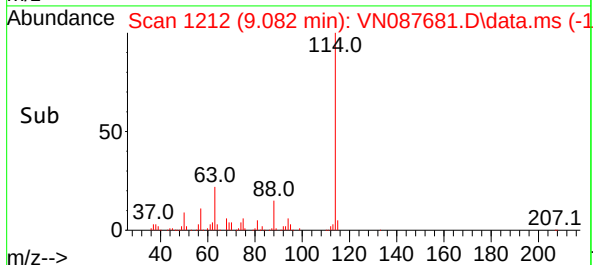
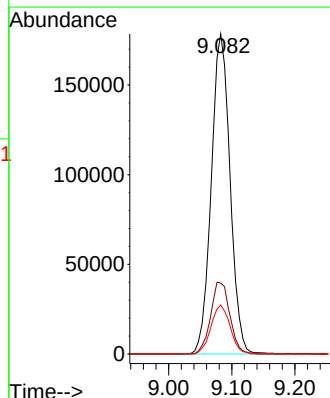
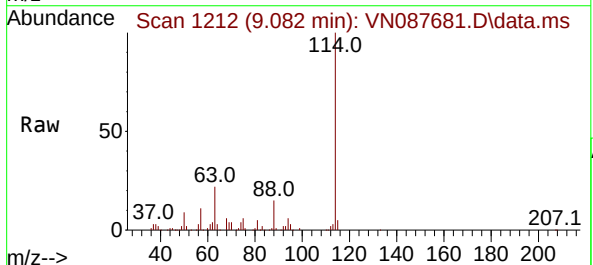
Tgt Ion: 114 Resp: 368471

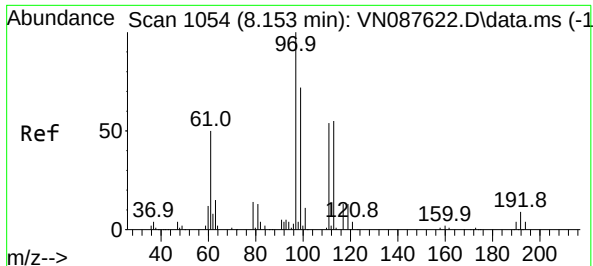
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.225 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087681.D

Acq: 28 Aug 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

GROUNDWATER

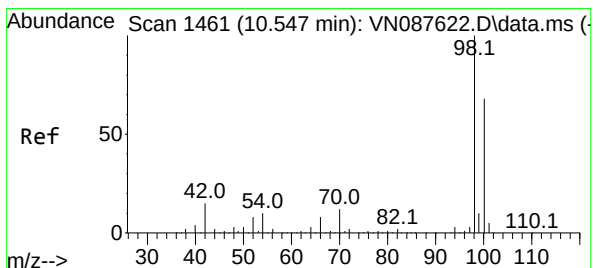
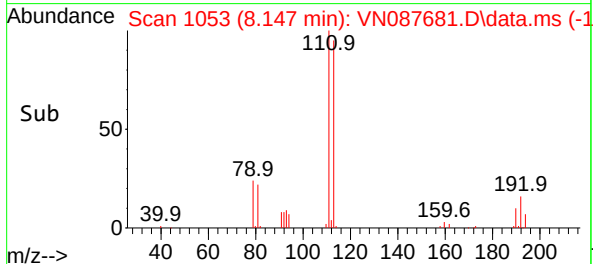
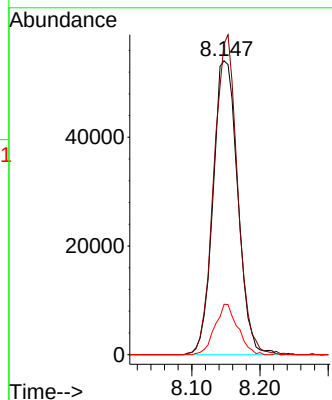
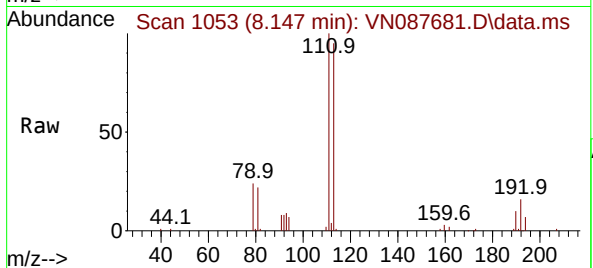
Tgt Ion:113 Resp: 136277

Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

192 15.8 12.8 19.2



#50

Toluene-d8

Concen: 49.190 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087681.D

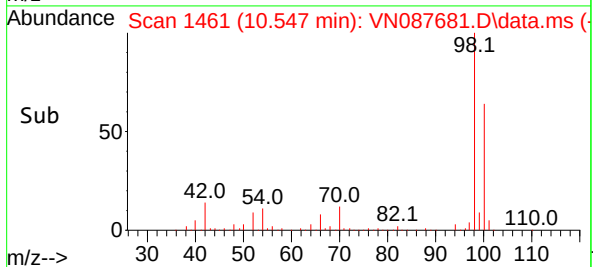
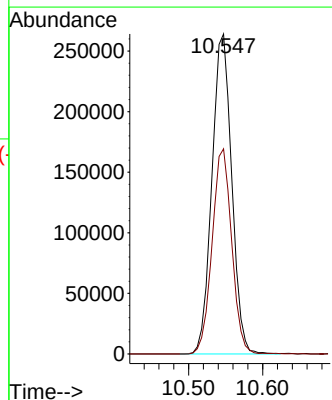
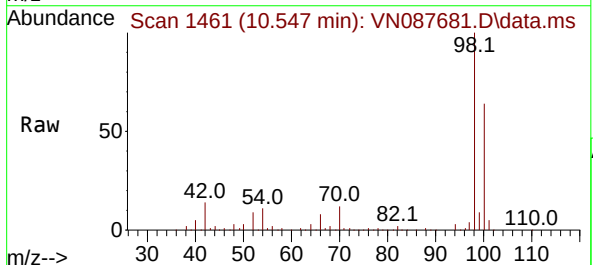
Acq: 28 Aug 2025 13:44

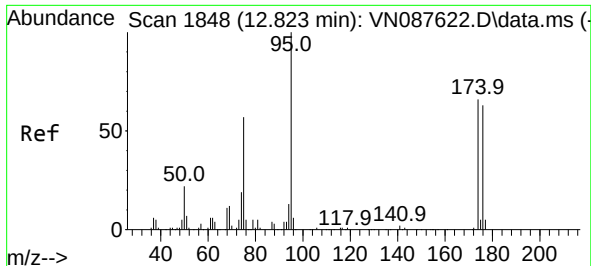
Tgt Ion: 98 Resp: 489797

Ion Ratio Lower Upper

98 100

100 63.5 52.8 79.2

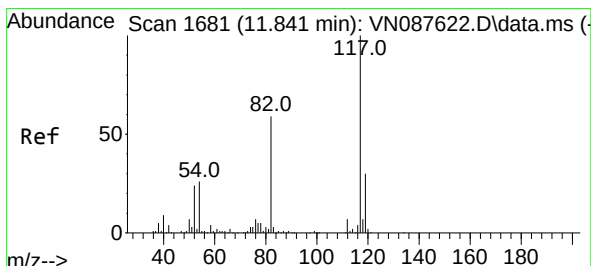
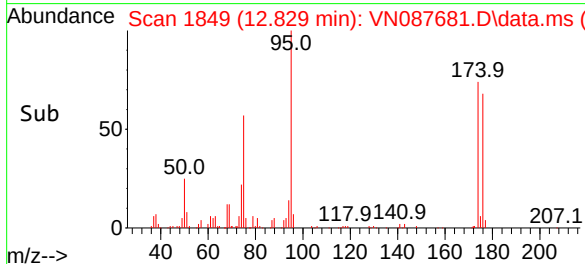
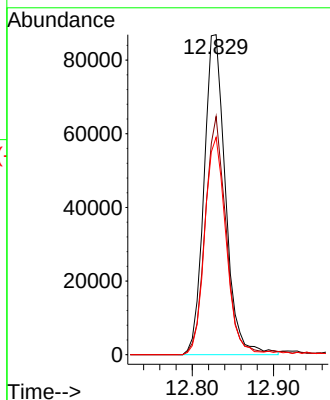
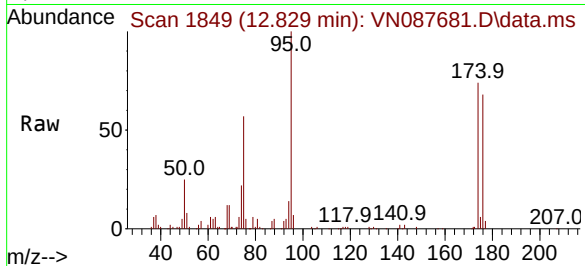




#62
4-Bromofluorobenzene
Concen: 45.074 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087681.D
Acq: 28 Aug 2025 13:44

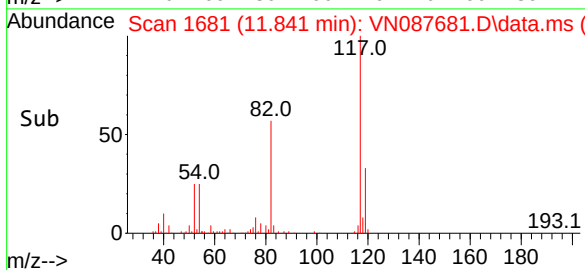
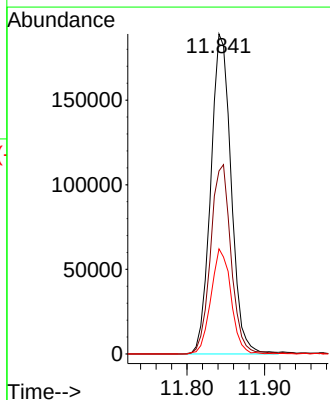
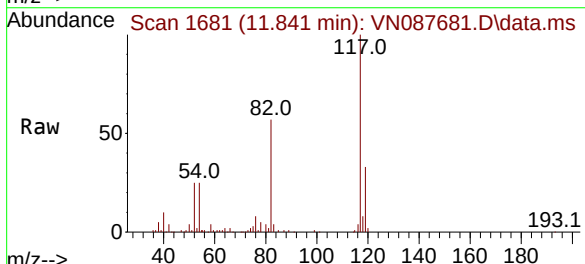
Instrument :
MSVOA_N
ClientSampleId :
GROUNDWATER

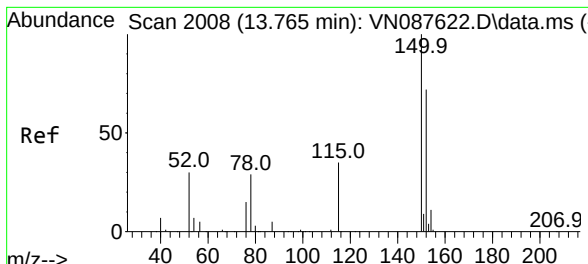
Tgt Ion: 95 Resp: 159613
Ion Ratio Lower Upper
95 100
174 71.8 0.0 138.4
176 67.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087681.D
Acq: 28 Aug 2025 13:44

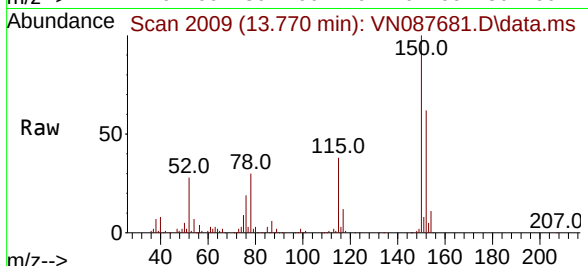
Tgt Ion: 117 Resp: 345953
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 32.8 24.3 36.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN087681.D
Acq: 28 Aug 2025 13:44

Instrument :
MSVOA_N
ClientSampleId :
GROUNDWATER



Tgt Ion:152 Resp: 156362
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 161.0 0.0 351.0

