

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088447.D
 Acq On : 04 Dec 2025 15:47
 Operator : JC\MD
 Sample : Q3756-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04-12-120225

Quant Time: Dec 05 00:17:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

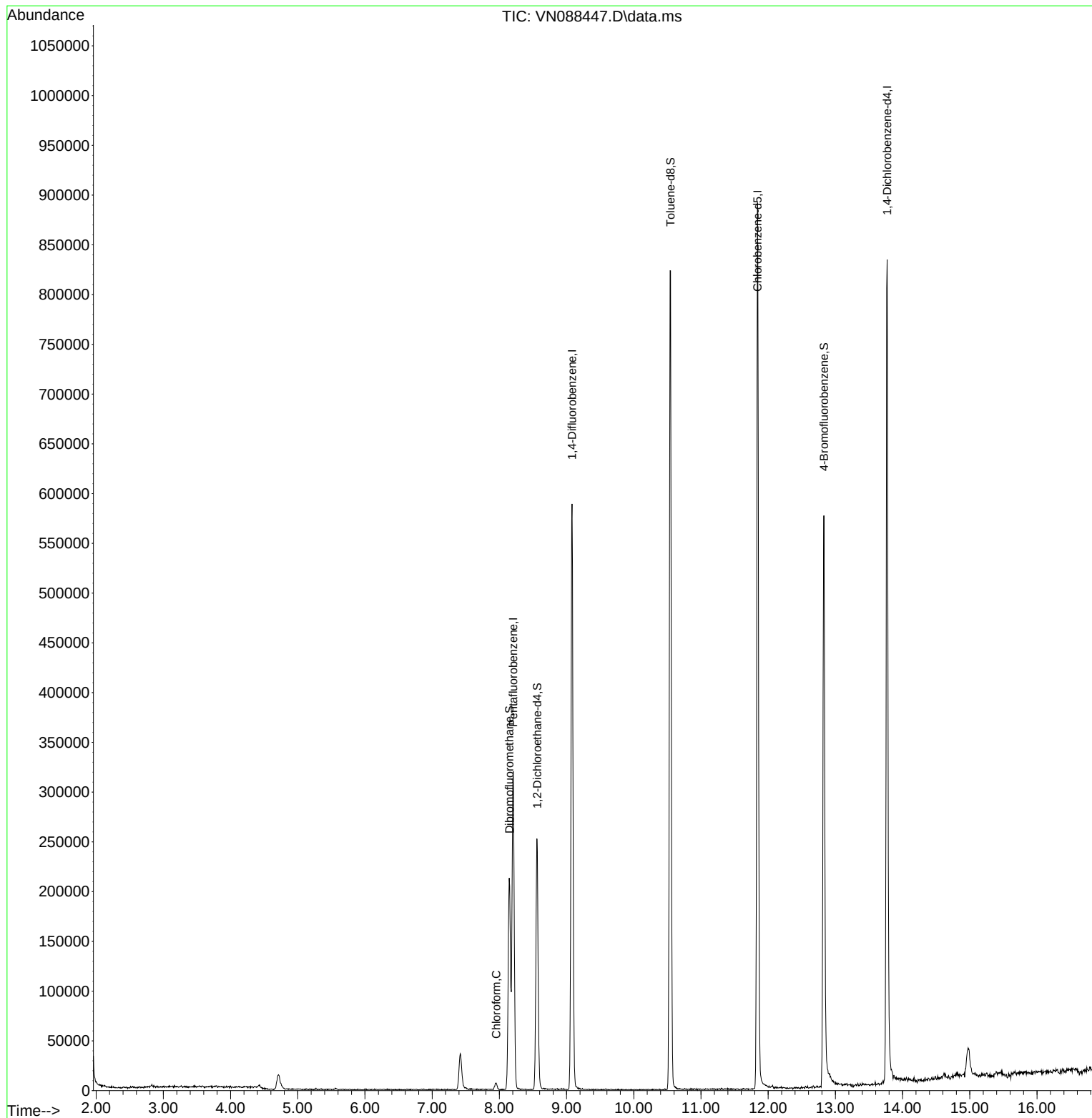
Internal Standards						
1) Pentafluorobenzene	8.206	168	206051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	468908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	455230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	214160	55.173	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.340%
35) Dibromofluoromethane	8.147	113	153204	47.147	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.300%
50) Toluene-d8	10.547	98	553012	45.739	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.829	95	210748	50.800	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.600%
Target Compounds						
					Qvalue	
30) Chloroform	7.953	83	6731	1.216	ug/l	93

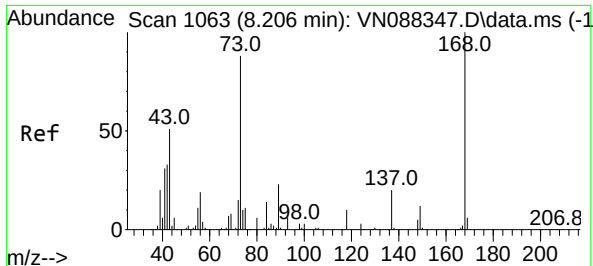
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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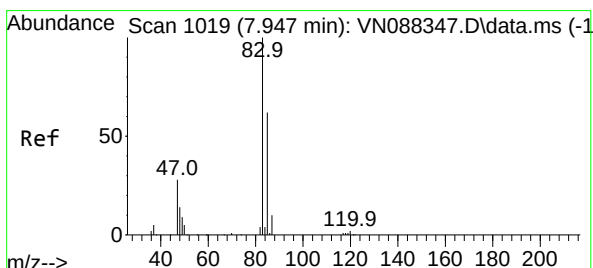
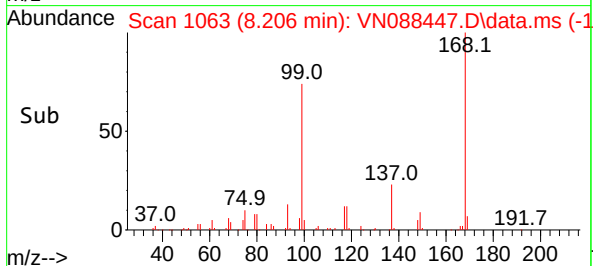
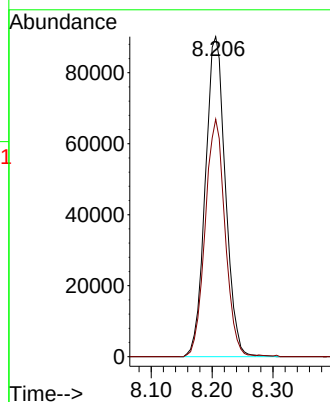
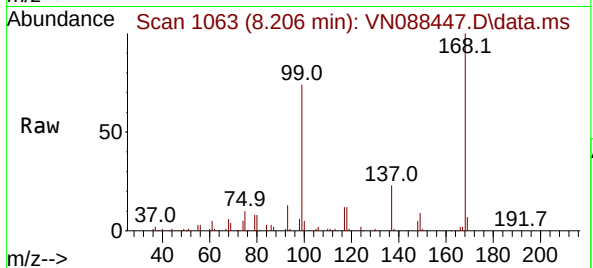




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

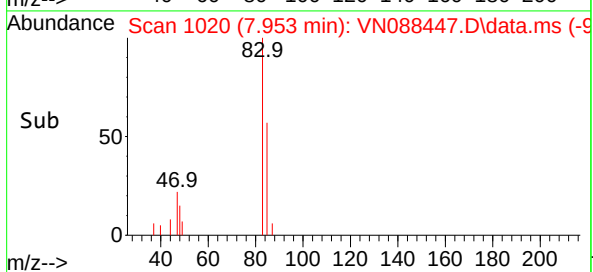
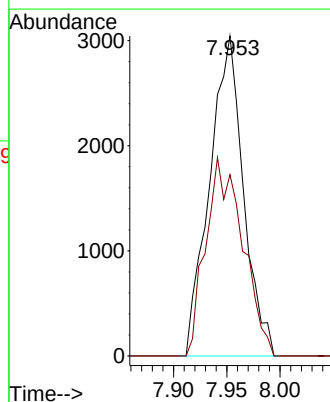
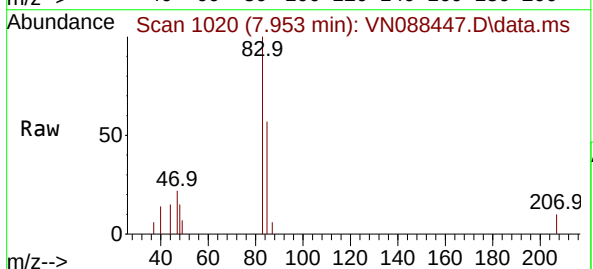
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

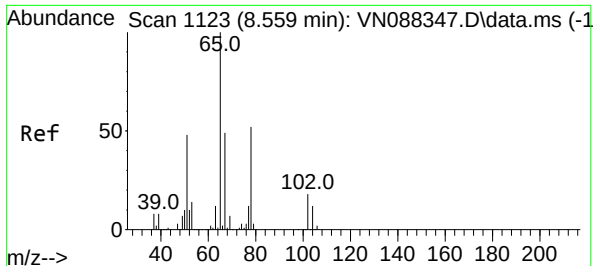
Tgt Ion:168 Resp: 206051
Ion Ratio Lower Upper
168 100
99 74.2 57.1 85.7



#30
Chloroform
Concen: 1.216 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion: 83 Resp: 6731
Ion Ratio Lower Upper
83 100
85 56.6 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 55.173 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088447.D

Acq: 04 Dec 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

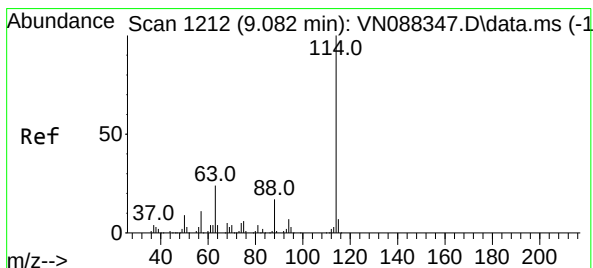
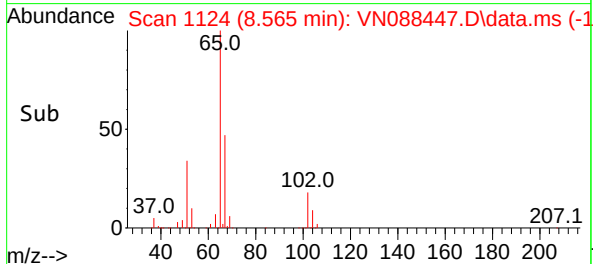
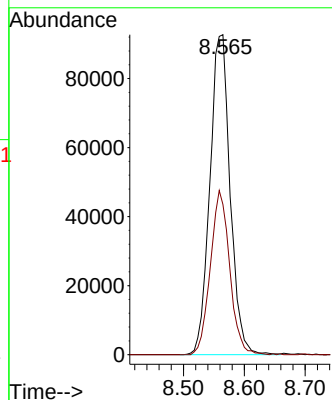
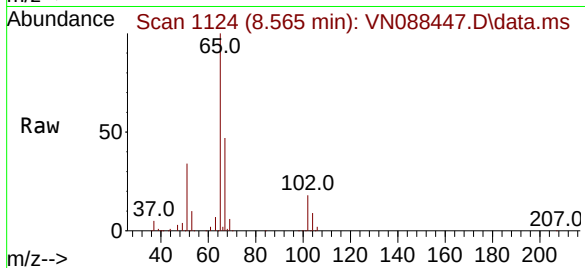
MW-04-12-120225

Tgt Ion: 65 Resp: 214160

Ion Ratio Lower Upper

65 100

67 48.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088447.D

Acq: 04 Dec 2025 15:47

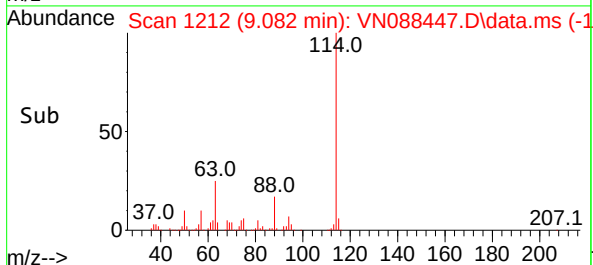
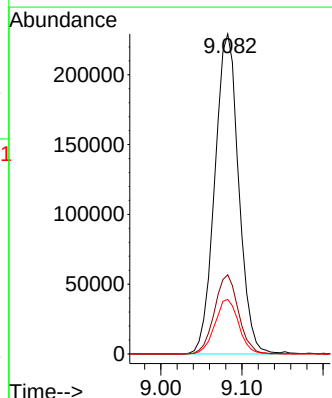
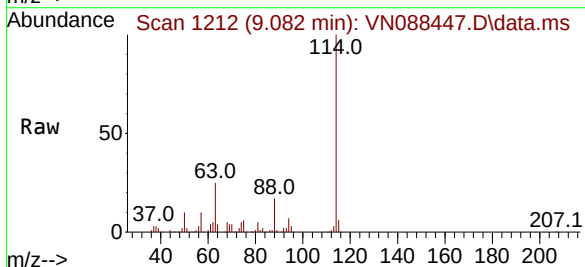
Tgt Ion: 114 Resp: 468908

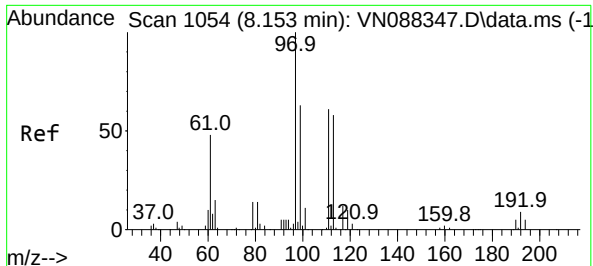
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.0

88 17.1 0.0 34.0

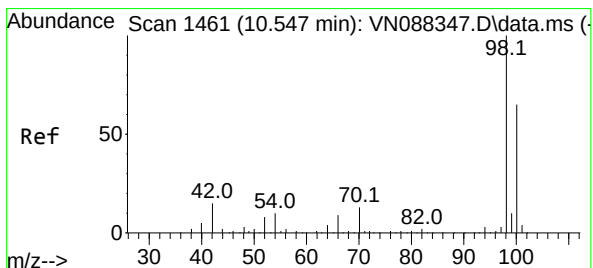
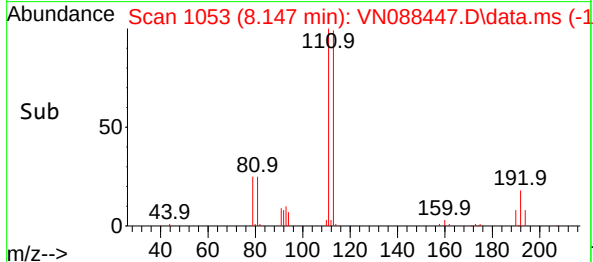
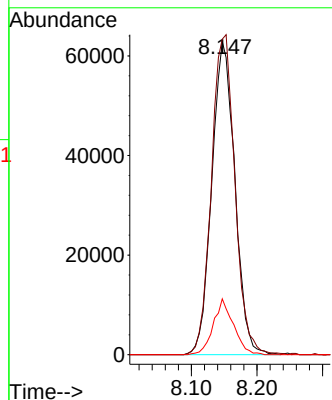
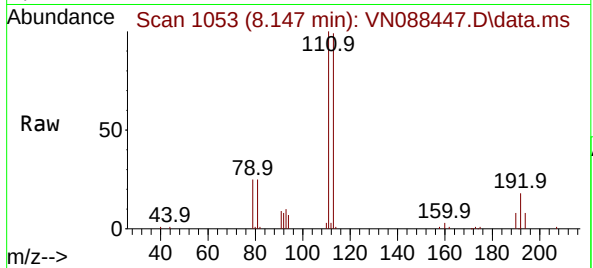




#35
Dibromofluoromethane
Concen: 47.147 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

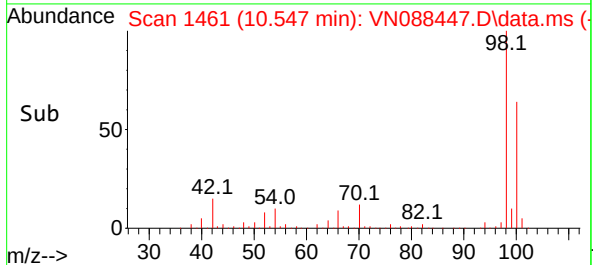
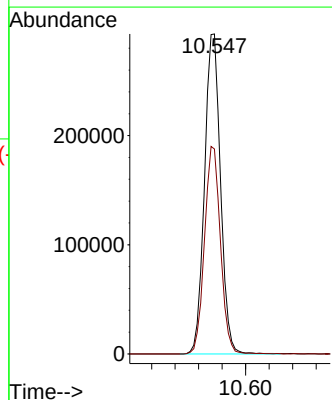
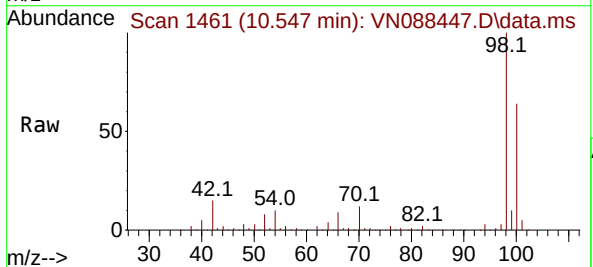
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

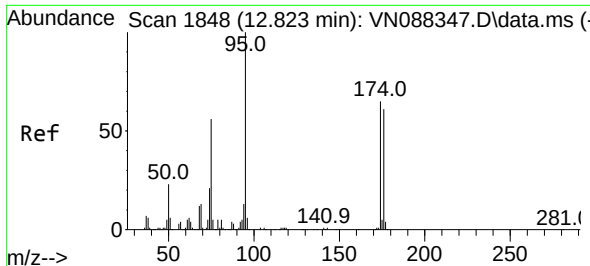
Tgt Ion:113 Resp: 153204
Ion Ratio Lower Upper
113 100
111 104.2 82.5 123.7
192 15.7 12.8 19.2



#50
Toluene-d8
Concen: 45.739 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion: 98 Resp: 553012
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

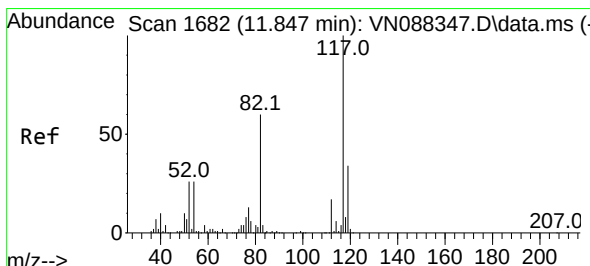
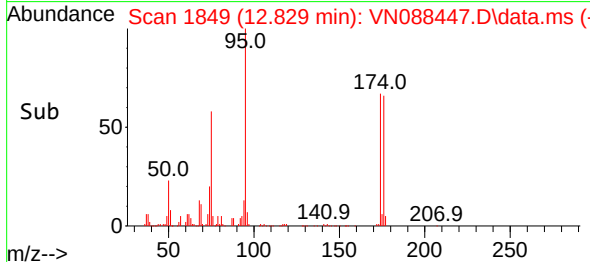
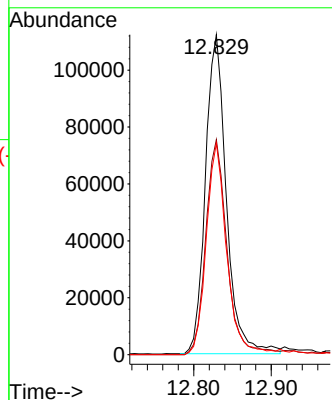
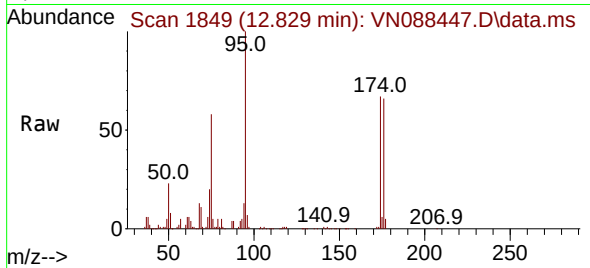




#62
4-Bromofluorobenzene
Concen: 50.800 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

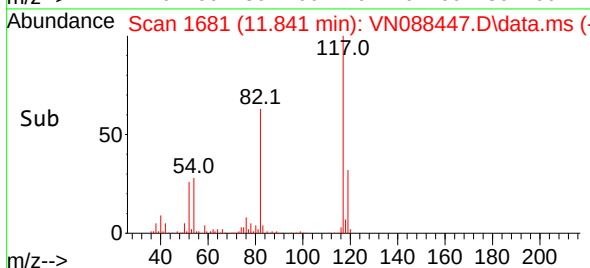
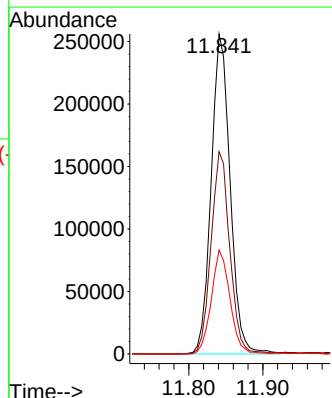
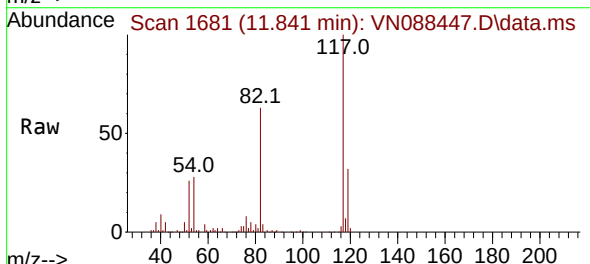
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

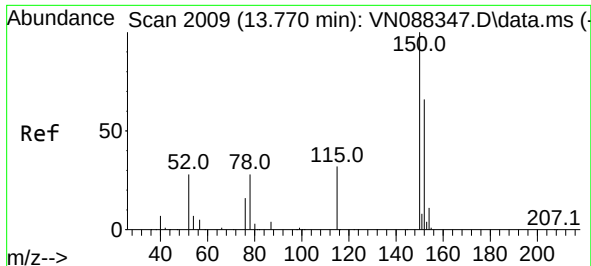
Tgt Ion: 95 Resp: 210748
Ion Ratio Lower Upper
95 100
174 68.2 0.0 139.0
176 64.7 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

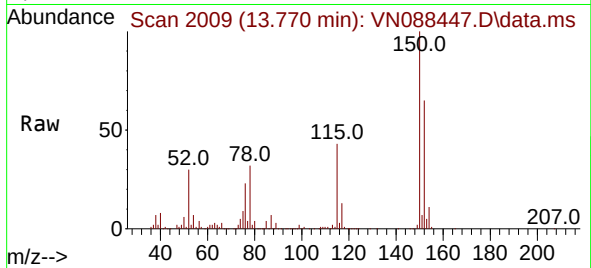
Tgt Ion: 117 Resp: 455230
Ion Ratio Lower Upper
117 100
82 63.2 47.8 71.8
119 32.5 26.9 40.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN088447.D
 Acq: 04 Dec 2025 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04-12-120225



Tgt Ion:152 Resp: 220606
 Ion Ratio Lower Upper
 152 100
 115 66.9 33.0 98.9
 150 157.2 0.0 349.0

