

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
 Data File : VN087986.D
 Acq On : 29 Sep 2025 16:33
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 30 03:58:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	261851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	563431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	538421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	275952	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	242192	54.959	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.920%
35) Dibromofluoromethane	8.153	113	200600	49.037	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.080%
50) Toluene-d8	10.547	98	692646	48.148	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.300%
62) 4-Bromofluorobenzene	12.829	95	254381	49.470	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.940%

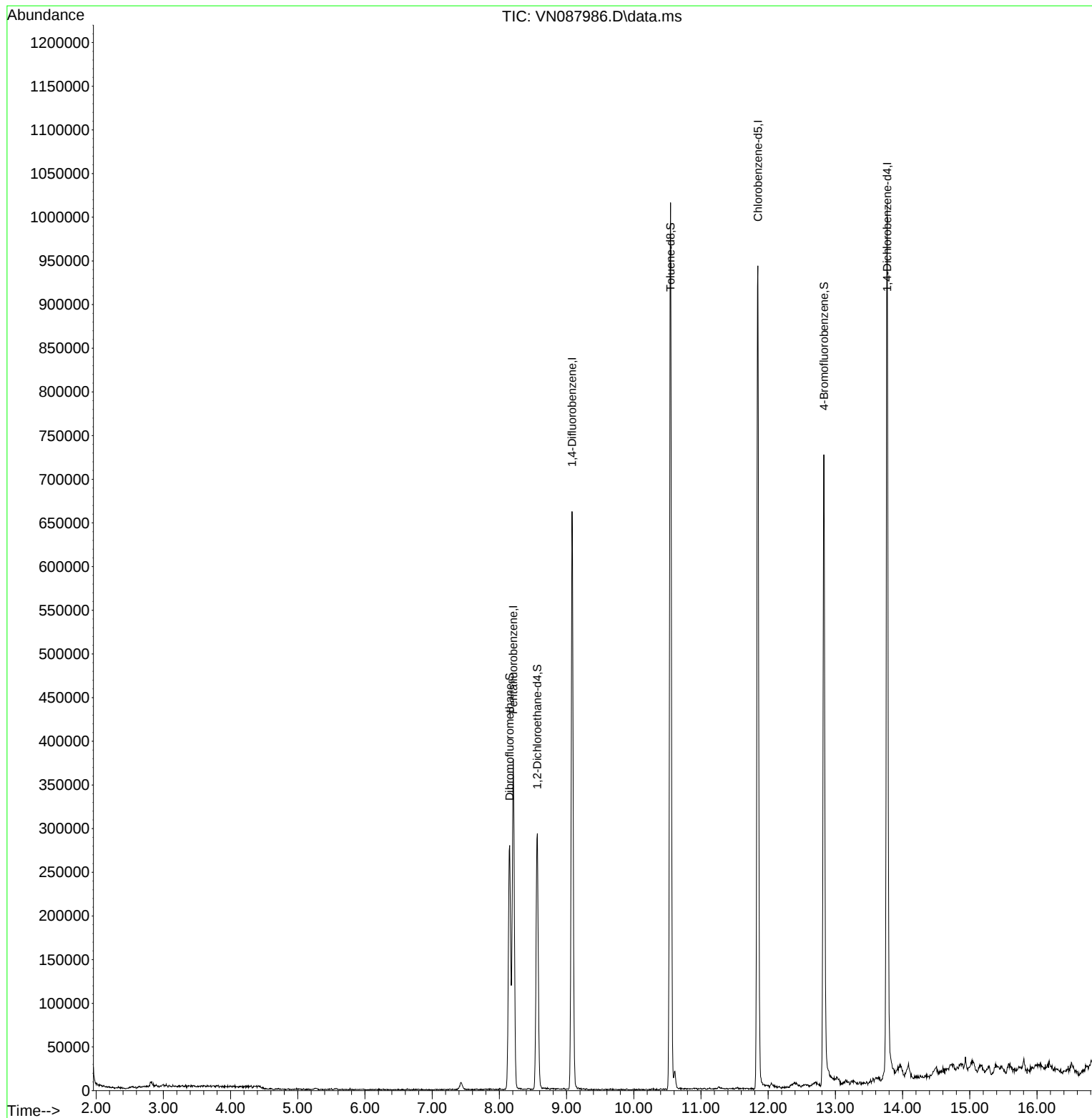
Target Compounds	Qvalue

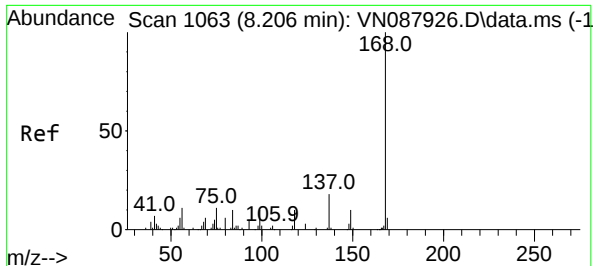
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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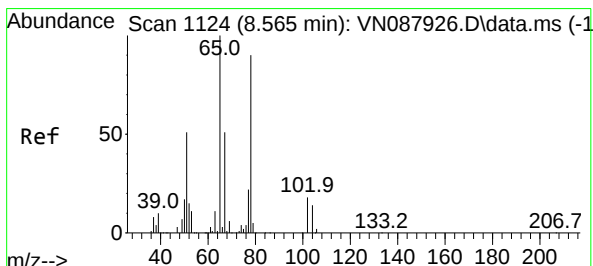
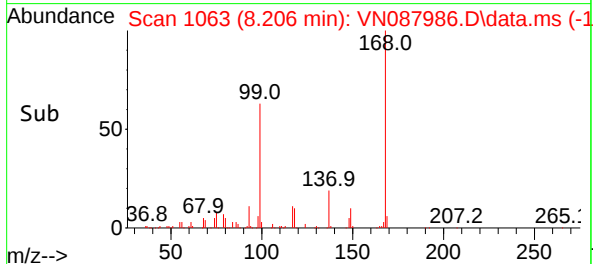
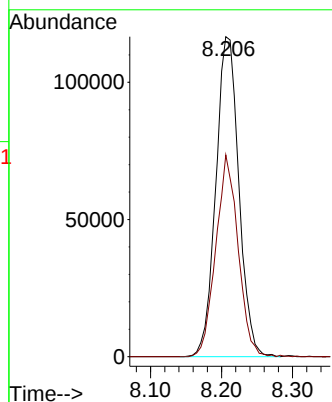
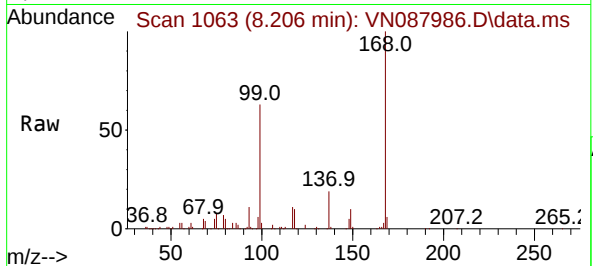




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087986.D
Acq: 29 Sep 2025 16:33

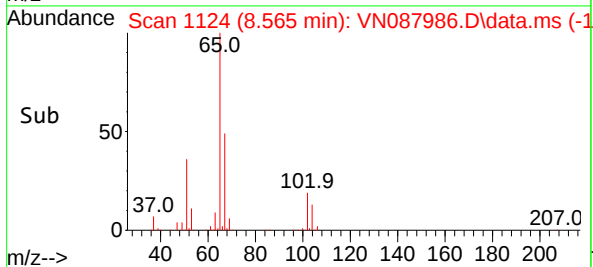
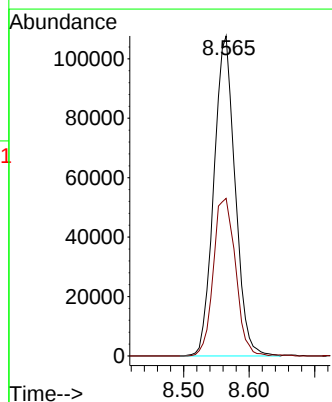
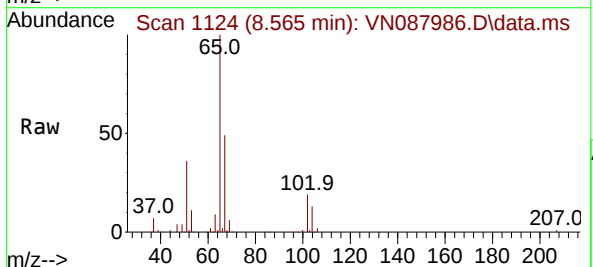
Instrument :
MSVOA_N
ClientSampleId :
IBLK

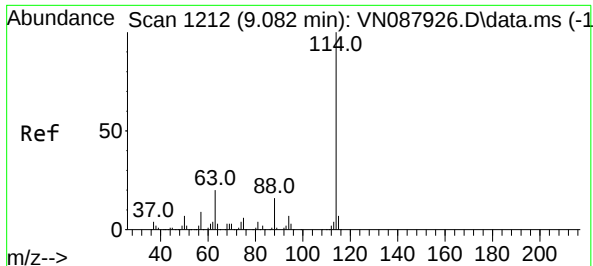
Tgt Ion:168 Resp: 261851
Ion Ratio Lower Upper
168 100
99 63.1 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 54.959 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN087986.D
Acq: 29 Sep 2025 16:33

Tgt Ion: 65 Resp: 242192
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087986.D

Acq: 29 Sep 2025 16:33

Instrument :

MSVOA_N

ClientSampleId :

IBLK

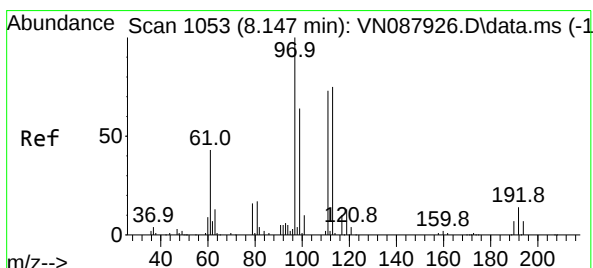
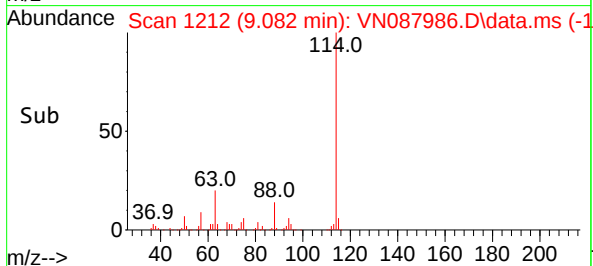
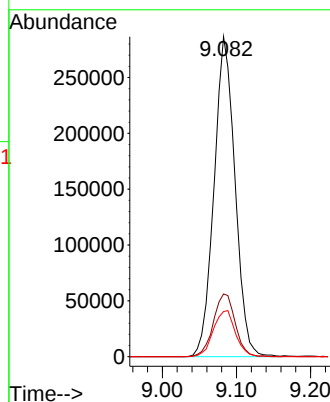
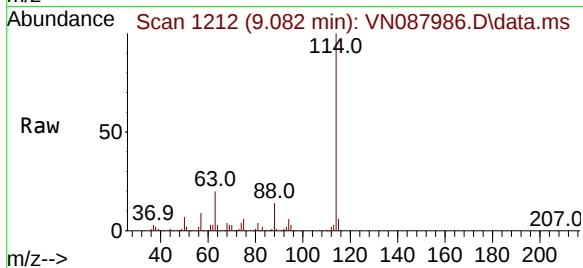
Tgt Ion:114 Resp: 563431

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.037 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087986.D

Acq: 29 Sep 2025 16:33

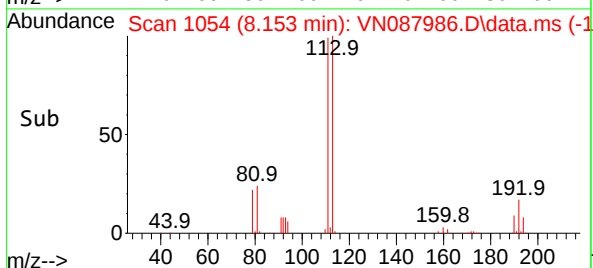
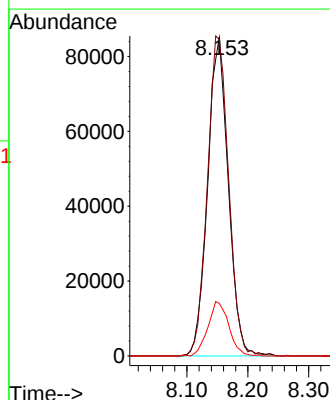
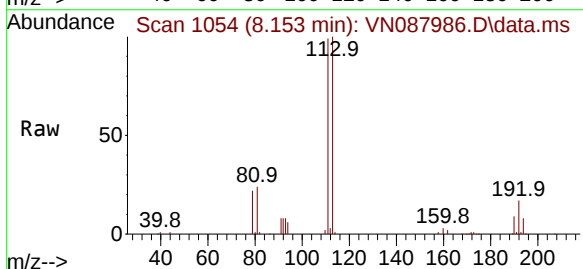
Tgt Ion:113 Resp: 200600

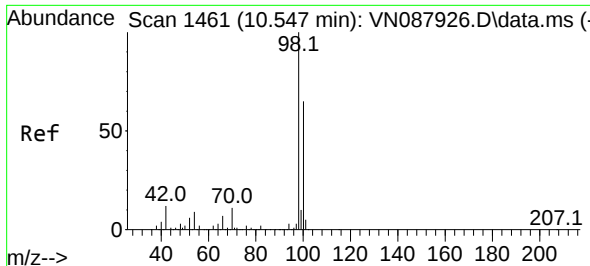
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 17.4 14.2 21.2

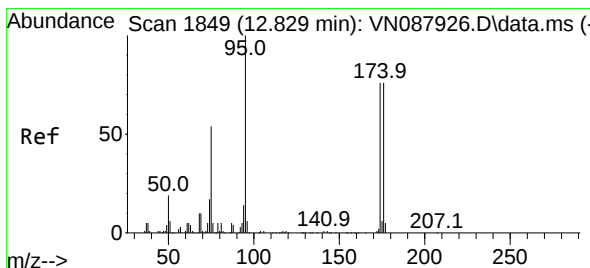
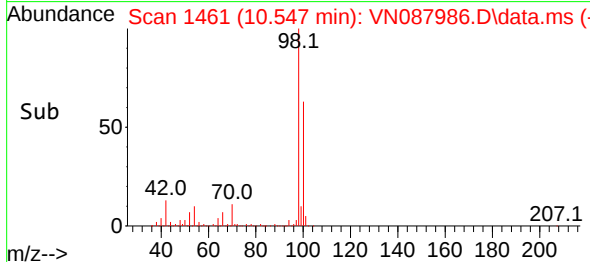
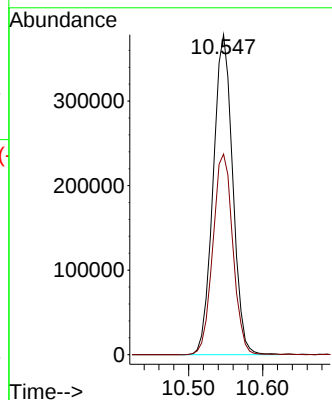
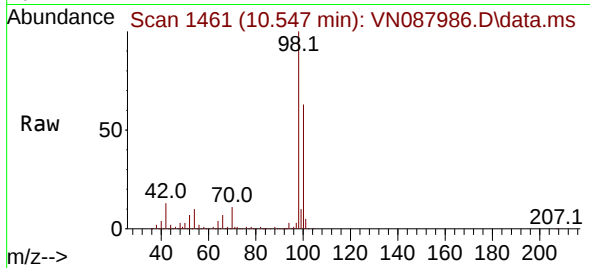




#50
Toluene-d8
Concen: 48.148 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087986.D
Acq: 29 Sep 2025 16:33

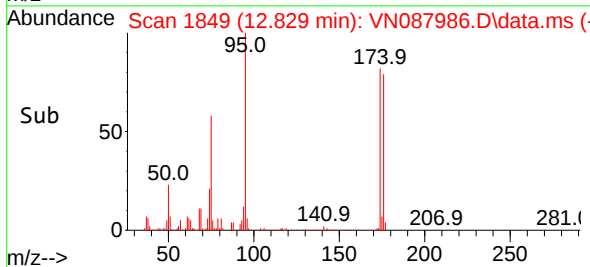
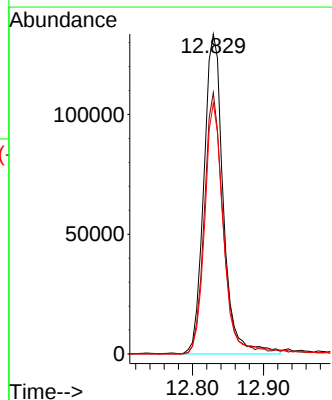
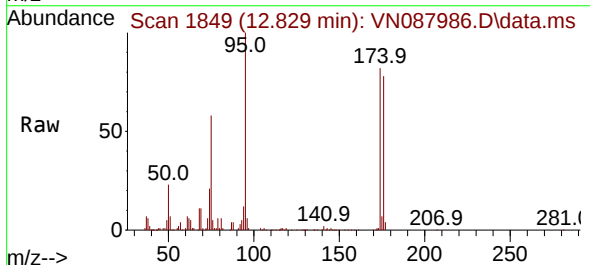
Instrument :
MSVOA_N
ClientSampleId :
IBLK

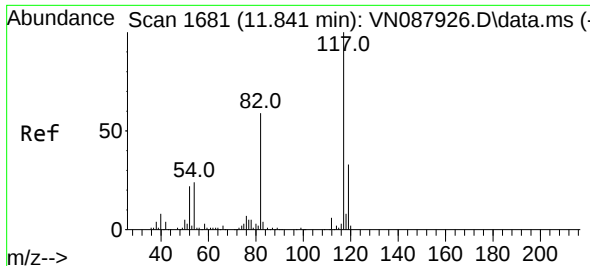
Tgt Ion: 98 Resp: 692646
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 49.470 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087986.D
Acq: 29 Sep 2025 16:33

Tgt Ion: 95 Resp: 254381
Ion Ratio Lower Upper
95 100
174 79.2 0.0 159.2
176 77.4 0.0 152.6

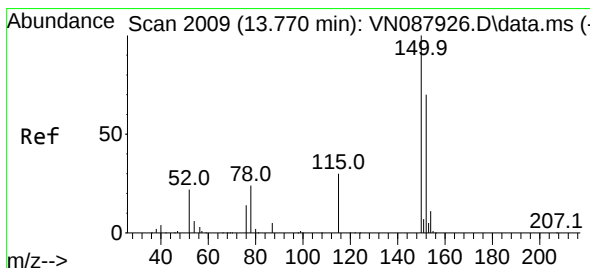
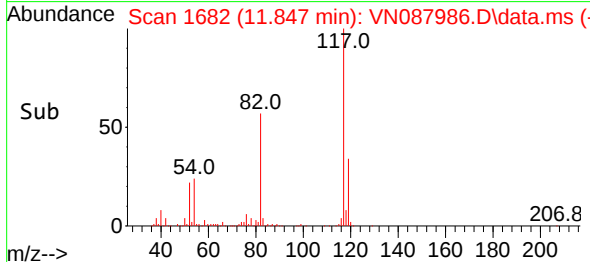
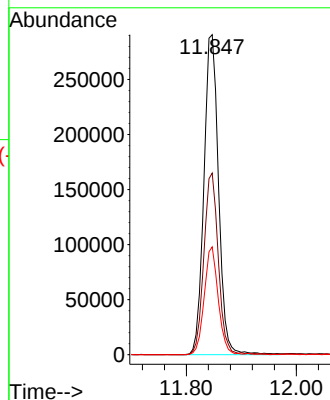
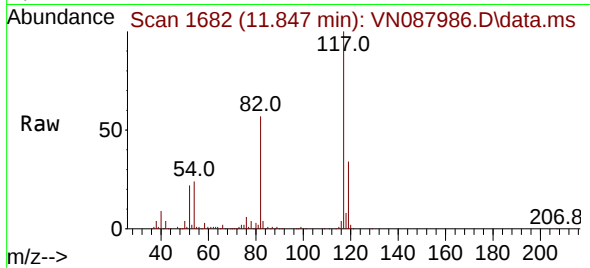




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN087986.D
Acq: 29 Sep 2025 16:33

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 538421
Ion Ratio Lower Upper
117 100
82 56.8 47.0 70.4
119 33.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087986.D
Acq: 29 Sep 2025 16:33

Tgt Ion:152 Resp: 275952
Ion Ratio Lower Upper
152 100
115 60.0 29.9 89.7
150 158.6 0.0 335.0

