

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111825\
 Data File : VN088313.D
 Acq On : 18 Nov 2025 13:06
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 19 03:33:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	166653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	373470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	366981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	177019	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	178673	62.001	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	124.000%
35) Dibromofluoromethane	8.153	113	139586	55.634	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.260%
50) Toluene-d8	10.547	98	493833	51.081	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.829	95	181427	53.139	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.280%

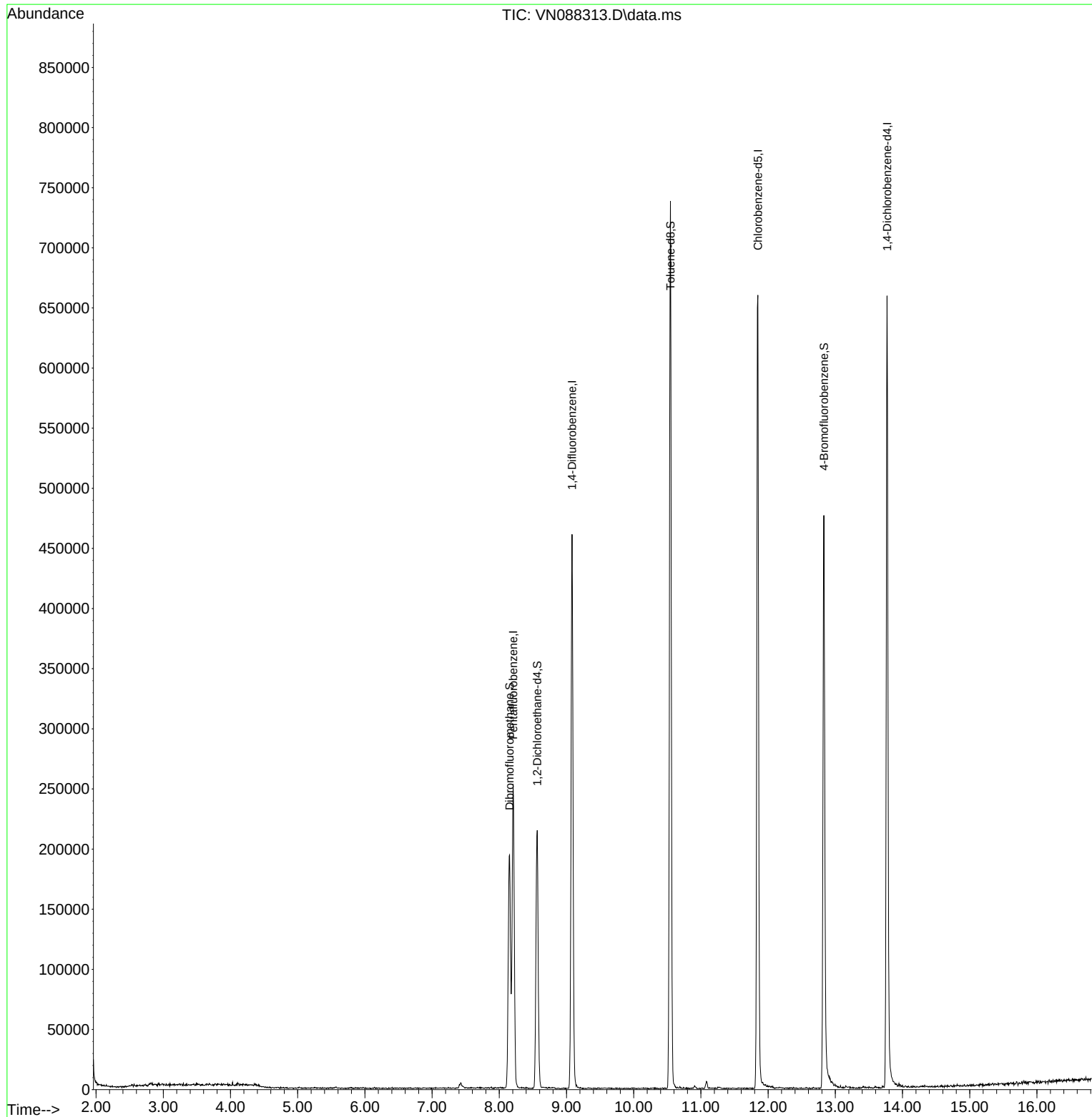
Target Compounds	Qvalue

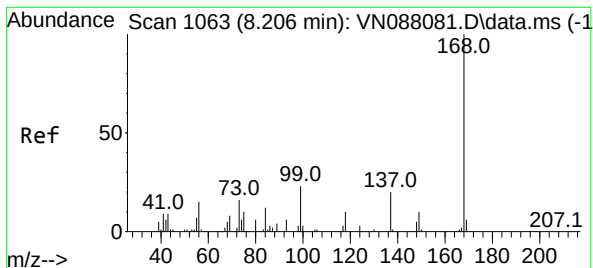
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN088313.D

Acq: 18 Nov 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

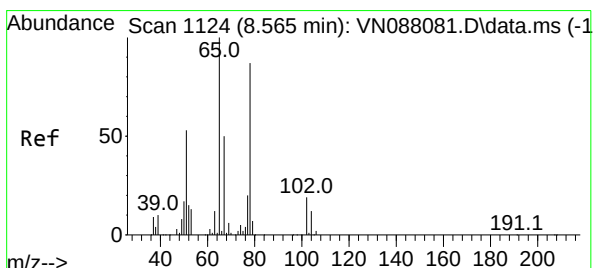
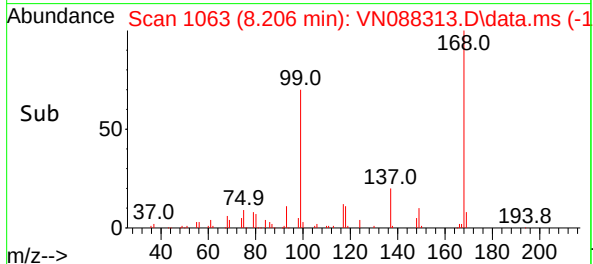
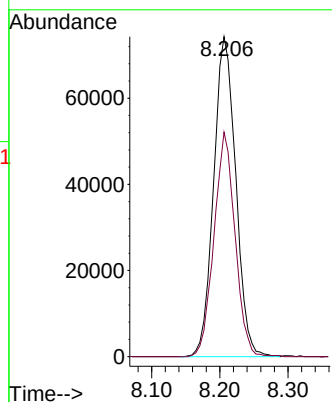
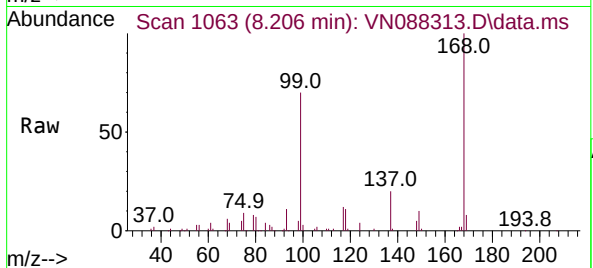
IBLK

Tgt Ion:168 Resp: 166653

Ion Ratio Lower Upper

168 100

99 70.1 57.2 85.8



#33

1,2-Dichloroethane-d4

Concen: 62.001 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088313.D

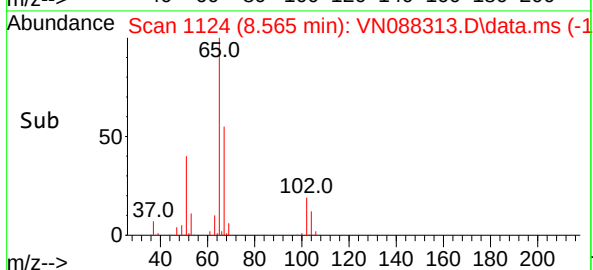
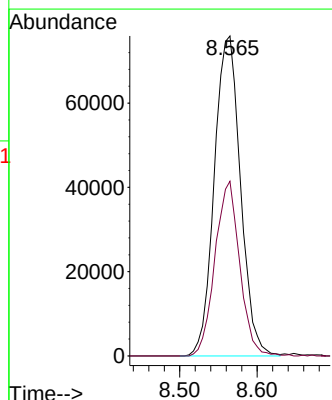
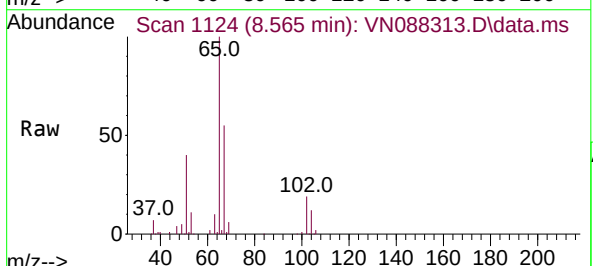
Acq: 18 Nov 2025 13:06

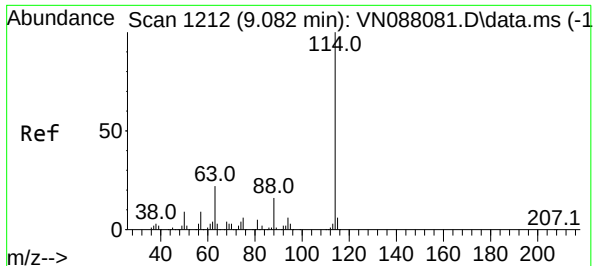
Tgt Ion: 65 Resp: 178673

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# 11

Delta R.T. -0.000 min

Lab File: VN088313.D

Acq: 18 Nov 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

IBLK

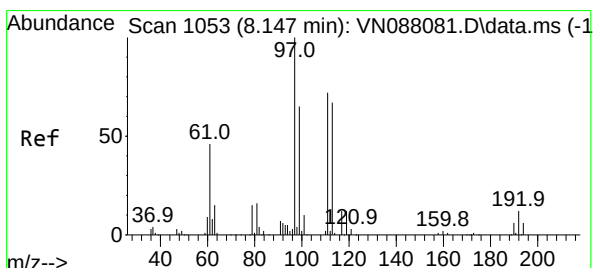
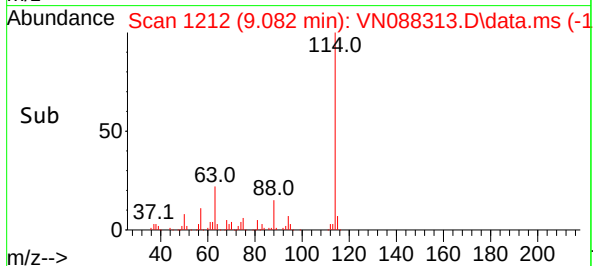
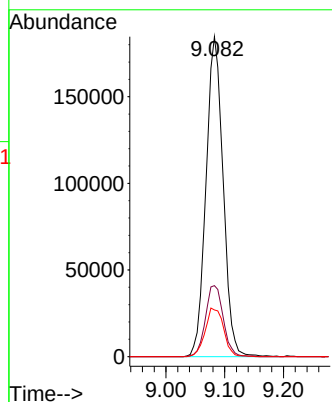
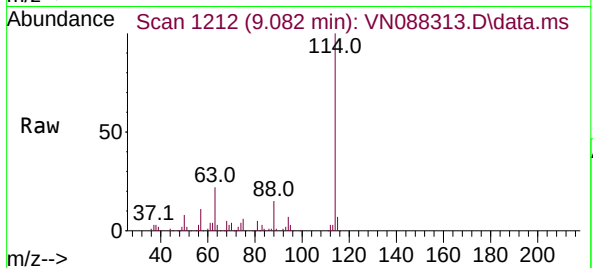
Tgt Ion:114 Resp: 373470

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 14.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 55.634 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088313.D

Acq: 18 Nov 2025 13:06

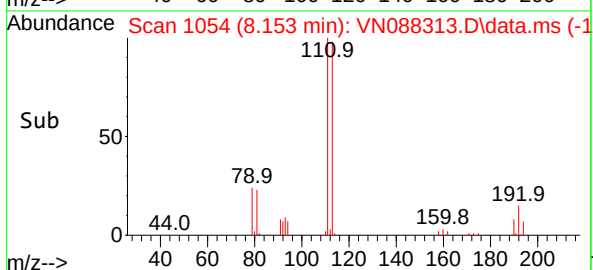
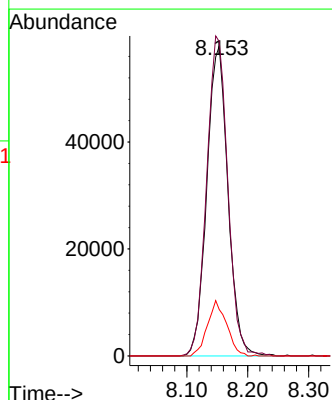
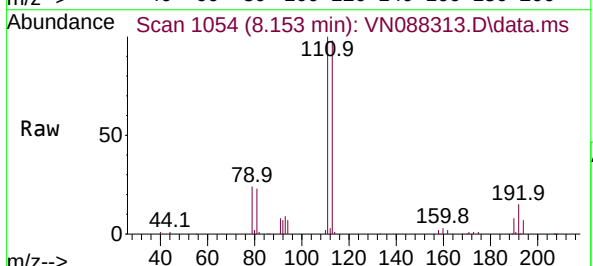
Tgt Ion:113 Resp: 139586

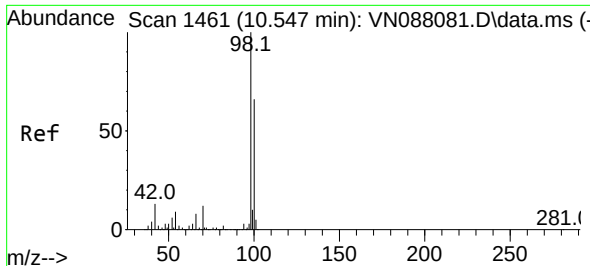
Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.3 12.8 19.2

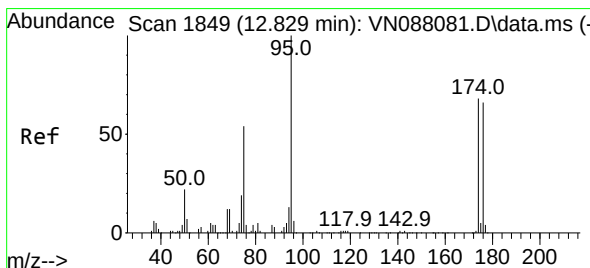
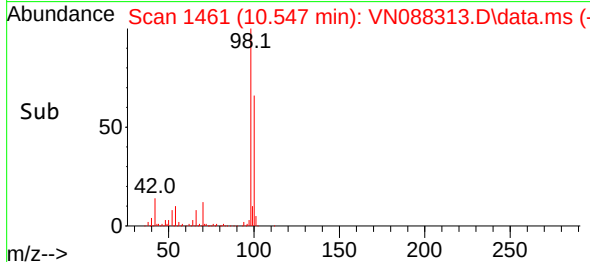
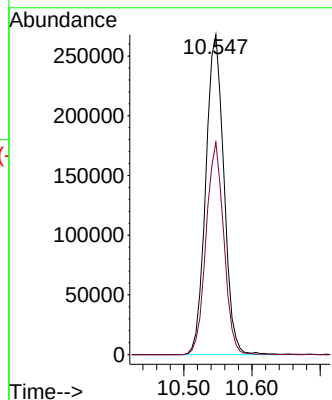
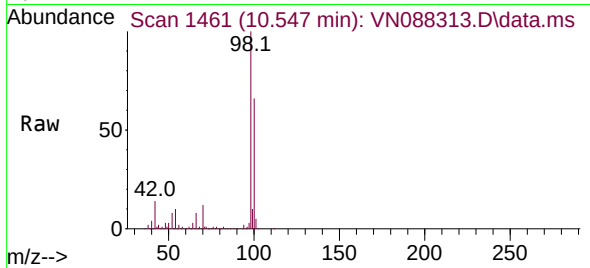




#50
Toluene-d8
Concen: 51.081 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

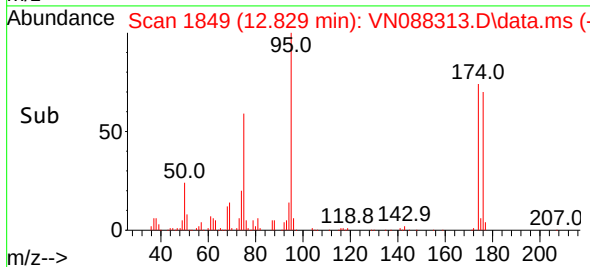
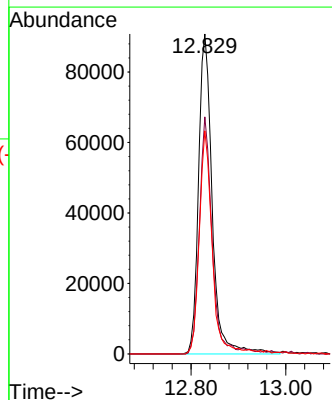
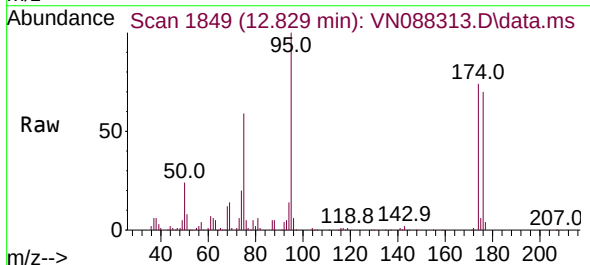
Instrument :
MSVOA_N
ClientSampleId :
IBLK

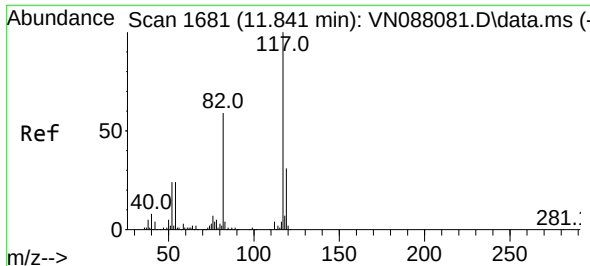
Tgt Ion: 98 Resp: 493833
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.139 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

Tgt Ion: 95 Resp: 181427
Ion Ratio Lower Upper
95 100
174 68.3 0.0 138.4
176 64.9 0.0 132.6

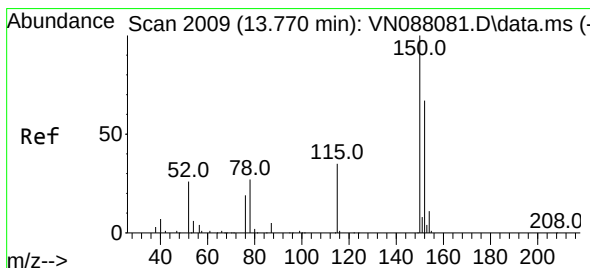
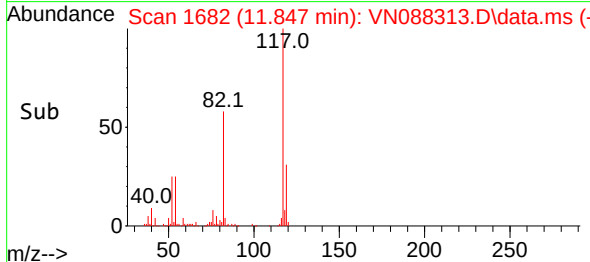
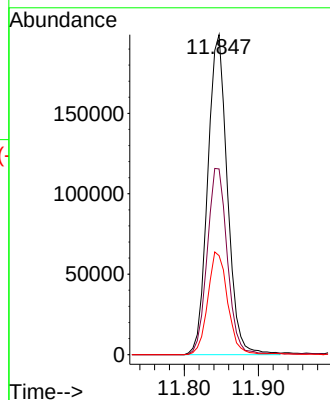
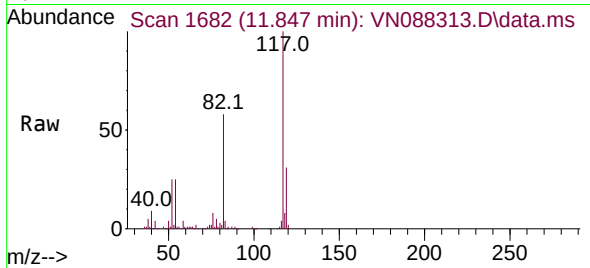




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 366981
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 30.9 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088313.D
Acq: 18 Nov 2025 13:06

Tgt Ion:152 Resp: 177019
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 158.8 0.0 351.0

