

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111825\
 Data File : VN088310.D
 Acq On : 18 Nov 2025 11:56
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 19 03:32:51 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	177332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	395767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	383745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	180620	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	163576	53.344	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.680%
35) Dibromofluoromethane	8.147	113	128725	48.415	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.820%
50) Toluene-d8	10.547	98	454457	44.360	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.720%
62) 4-Bromofluorobenzene	12.829	95	156628	43.291	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.580%

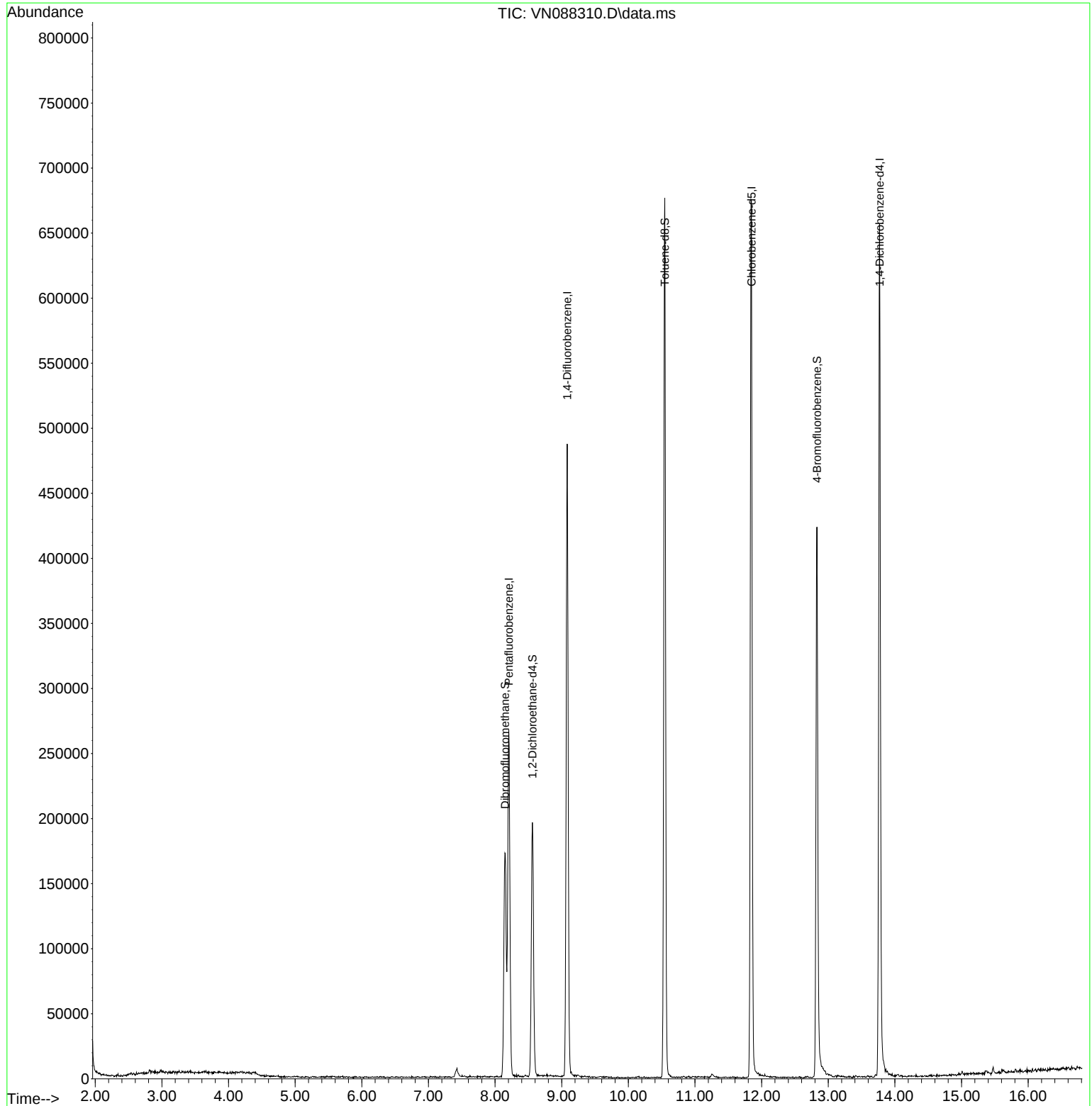
Target Compounds	Qvalue

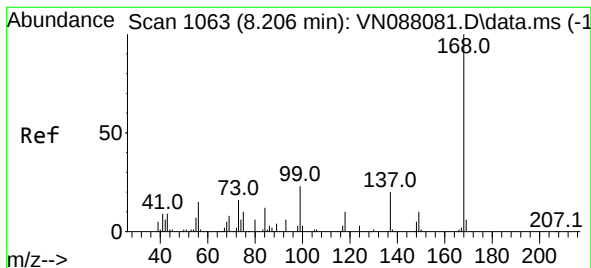
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN088310.D

Acq: 18 Nov 2025 11:56

Instrument :

MSVOA_N

ClientSampleId :

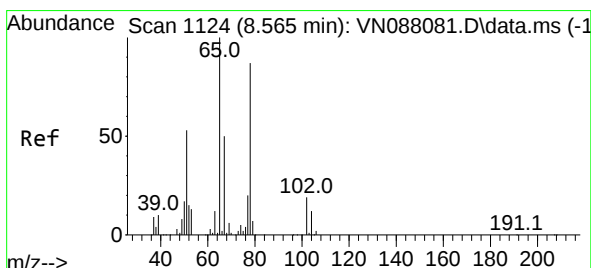
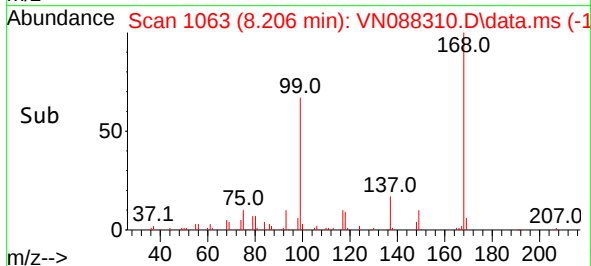
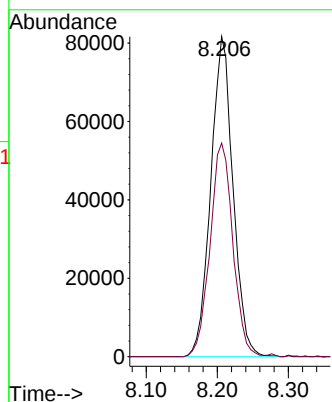
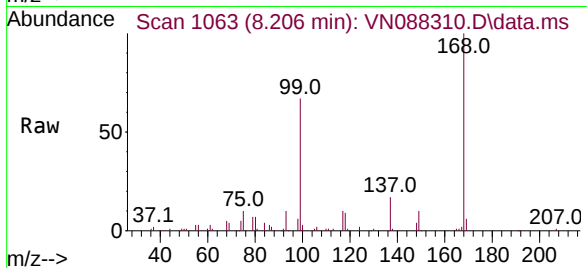
IBLK

Tgt Ion:168 Resp: 177332

Ion Ratio Lower Upper

168 100

99 66.7 57.2 85.8



#33

1,2-Dichloroethane-d4

Concen: 53.344 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088310.D

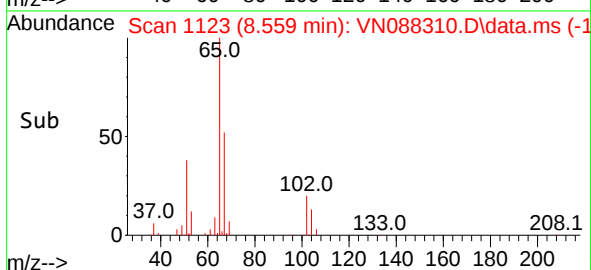
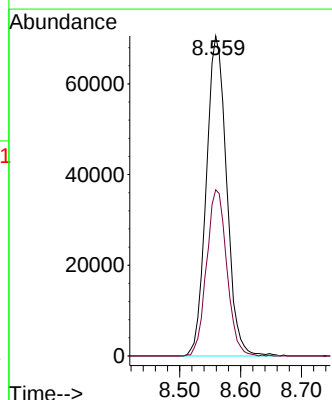
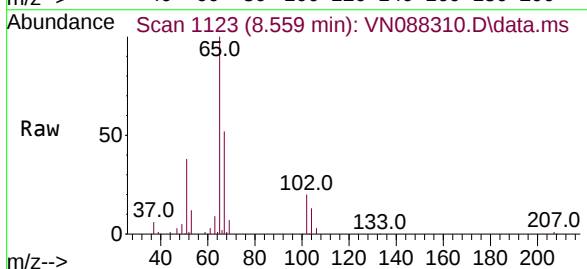
Acq: 18 Nov 2025 11:56

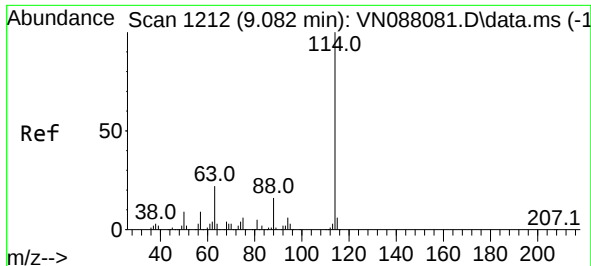
Tgt Ion: 65 Resp: 163576

Ion Ratio Lower Upper

65 100

67 51.6 0.0 100.0

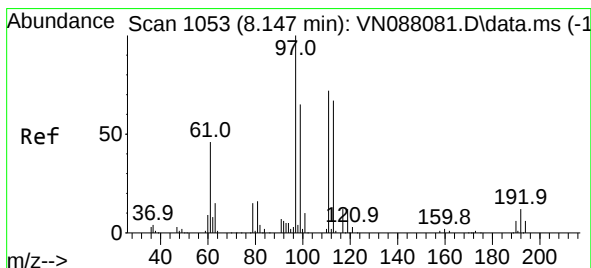
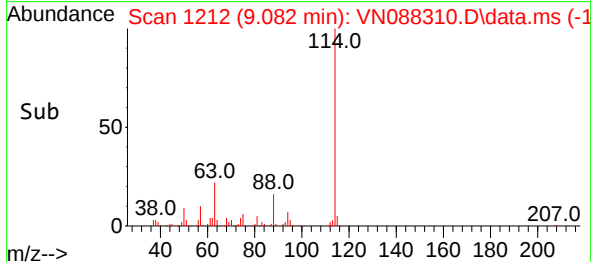
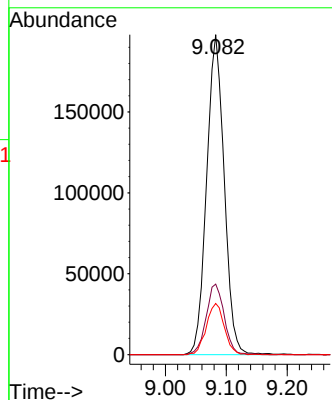
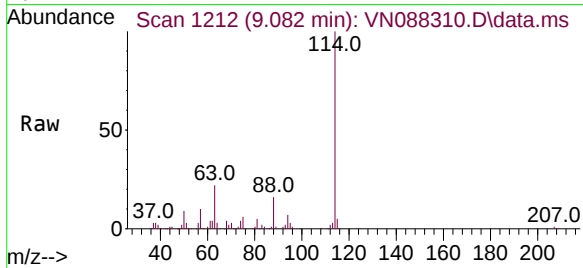




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088310.D
Acq: 18 Nov 2025 11:56

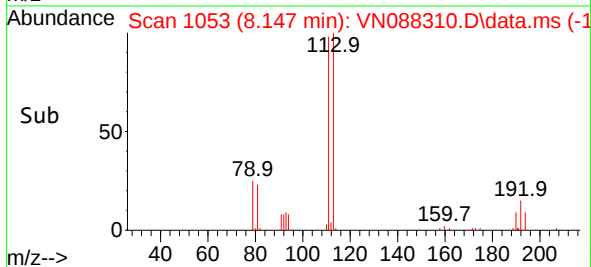
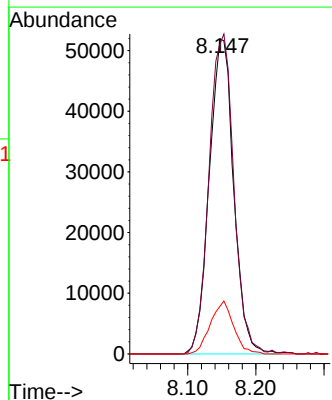
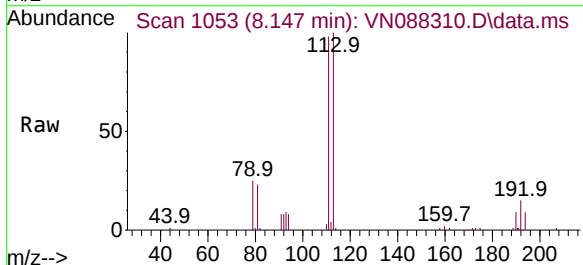
Instrument :
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IBLK

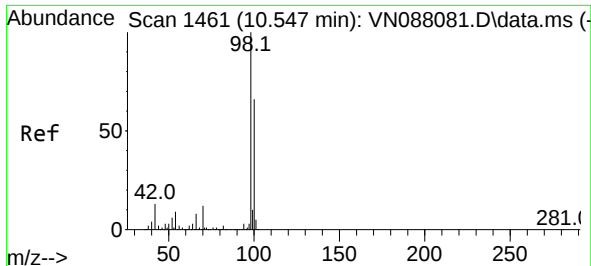
Tgt Ion:114 Resp: 395767
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.2
88 16.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.415 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088310.D
Acq: 18 Nov 2025 11:56

Tgt Ion:113 Resp: 128725
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 15.9 12.8 19.2

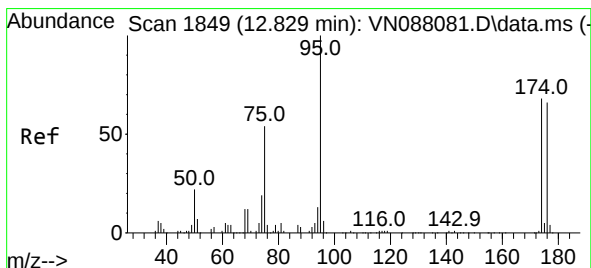
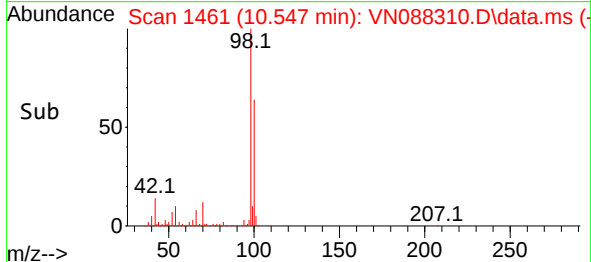
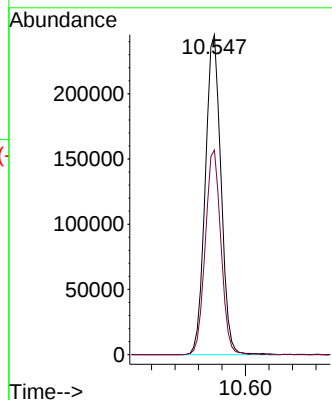
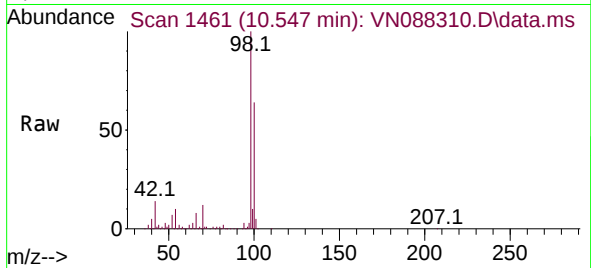




#50
Toluene-d8
Concen: 44.360 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088310.D
Acq: 18 Nov 2025 11:56

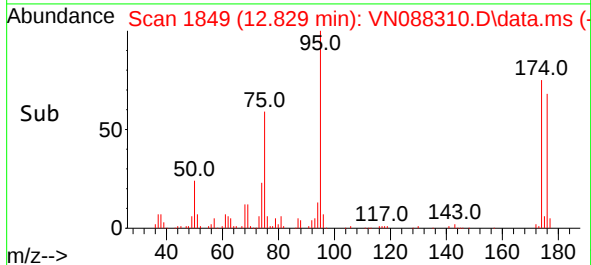
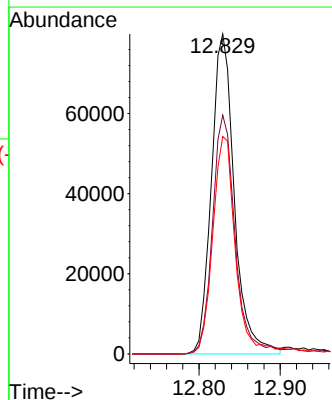
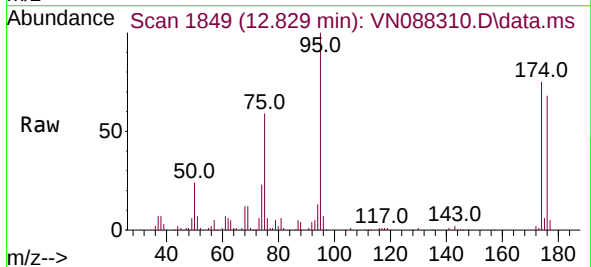
Instrument :
MSVOA_N
ClientSampleId :
IBLK

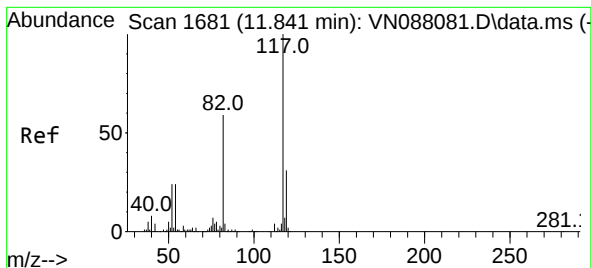
Tgt Ion: 98 Resp: 454457
Ion Ratio Lower Upper
98 100
100 63.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 43.291 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088310.D
Acq: 18 Nov 2025 11:56

Tgt Ion: 95 Resp: 156628
Ion Ratio Lower Upper
95 100
174 73.3 0.0 138.4
176 69.1 0.0 132.6

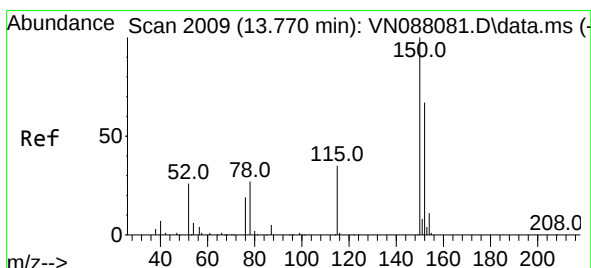
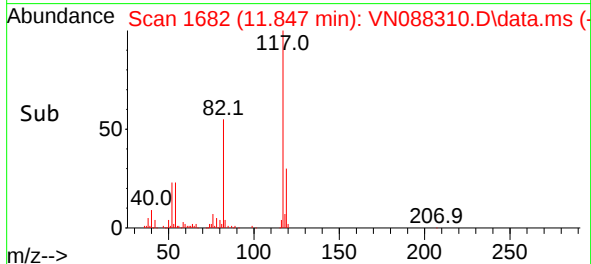
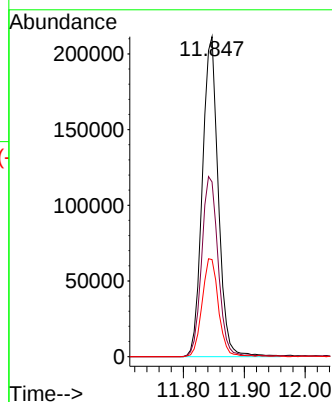
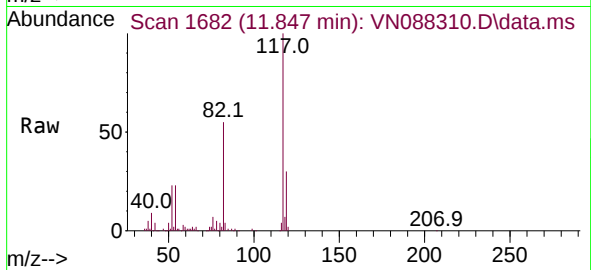




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN088310.D
Acq: 18 Nov 2025 11:56

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 383745
Ion Ratio Lower Upper
117 100
82 54.6 47.4 71.2
119 30.3 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: VN088310.D
Acq: 18 Nov 2025 11:56

Tgt Ion:152 Resp: 180620
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 155.0 0.0 351.0

