

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088182.D
 Acq On : 31 Oct 2025 12:58
 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 01 00:31:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	368566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	840704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	792507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	384412	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	351830	55.204	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.400%
35) Dibromofluoromethane	8.147	113	266640	47.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.420%
50) Toluene-d8	10.541	98	1006105	46.232	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.460%
62) 4-Bromofluorobenzene	12.829	95	398199	51.811	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.620%

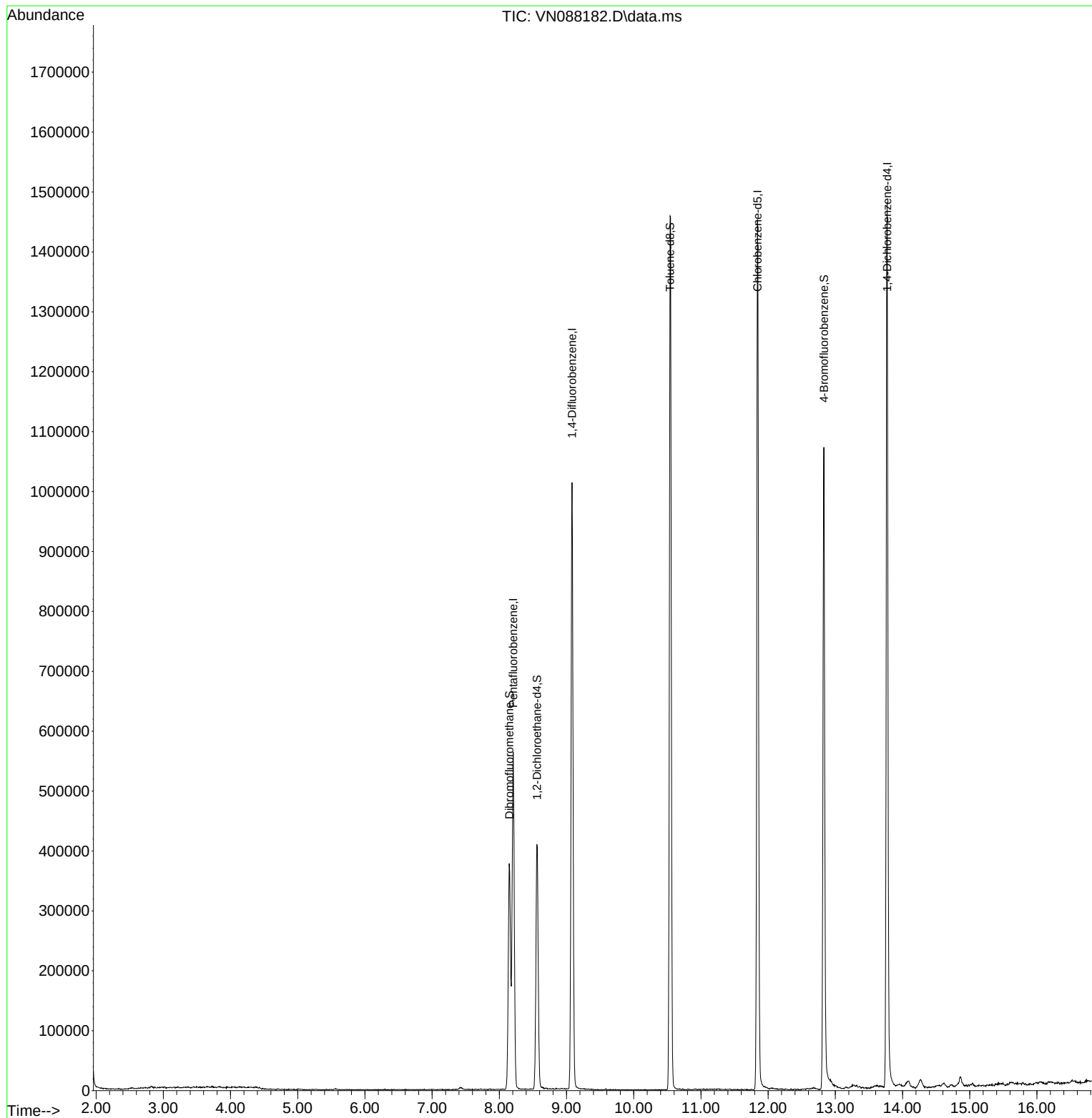
Target Compounds	Qvalue

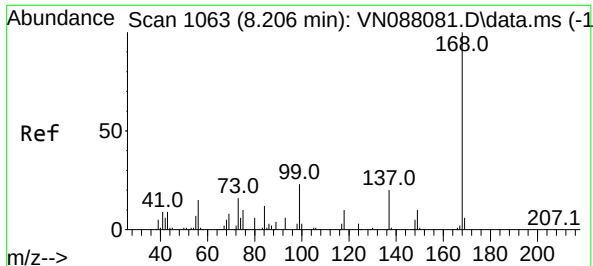
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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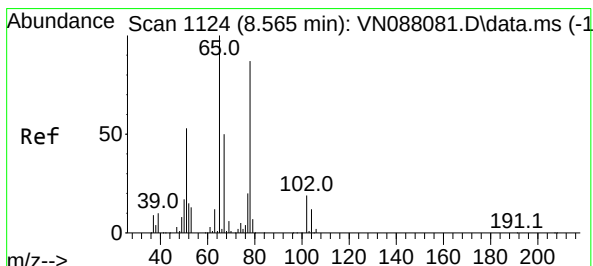
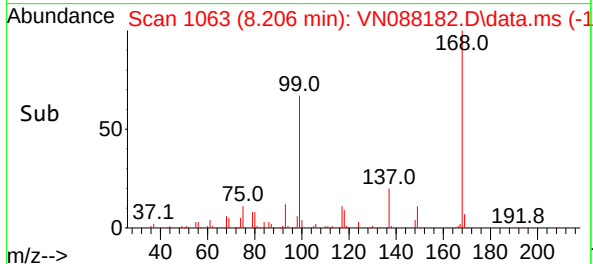
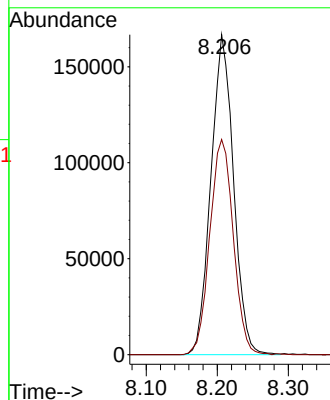
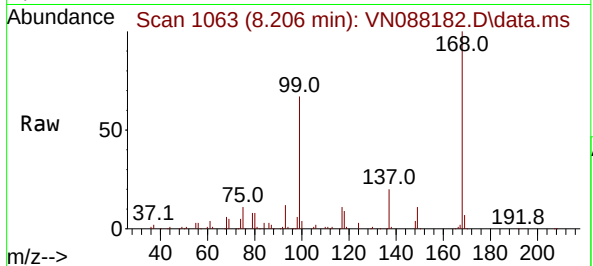




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

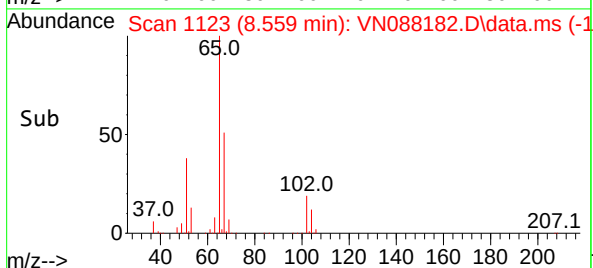
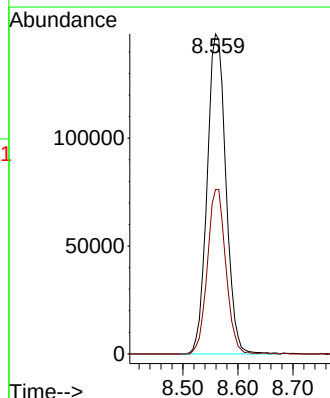
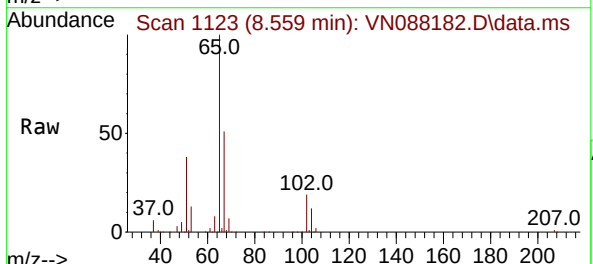
Instrument :
MSVOA_N
ClientSampleId :
IBLK

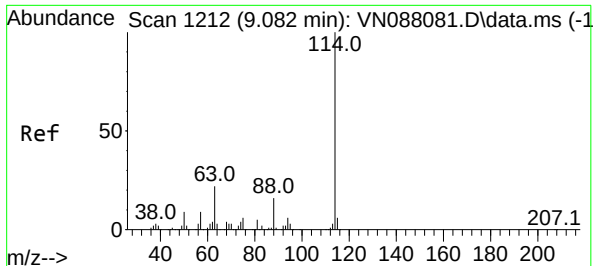
Tgt Ion:168 Resp: 368566
Ion Ratio Lower Upper
168 100
99 67.2 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.204 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion: 65 Resp: 351830
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0

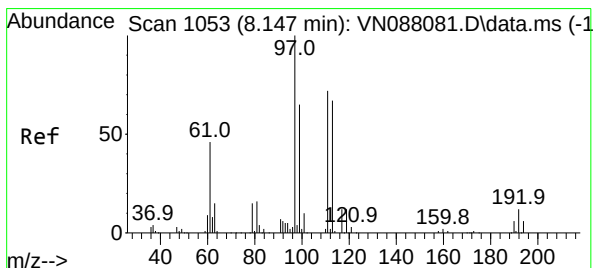
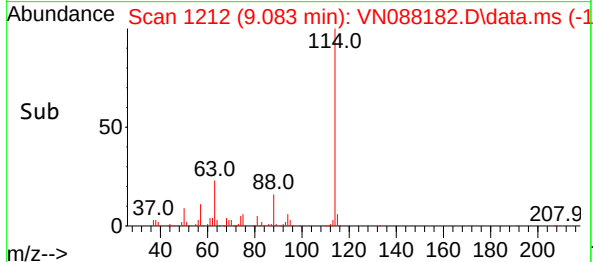
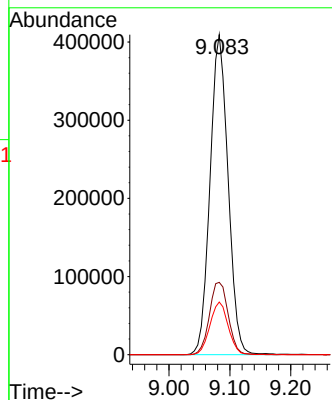
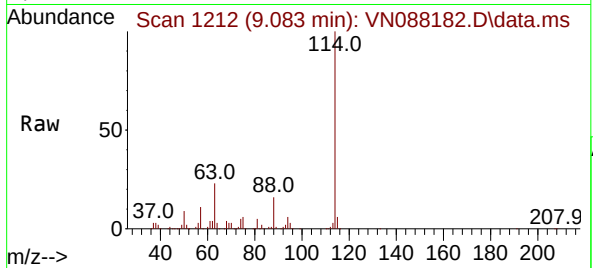




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

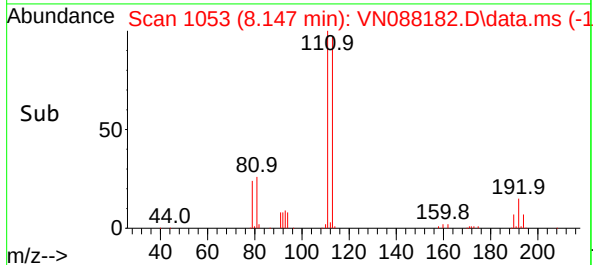
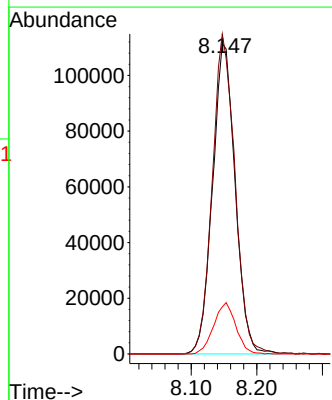
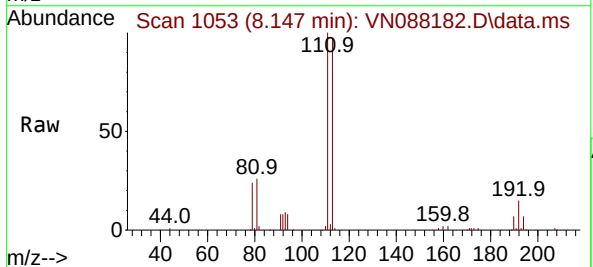
Instrument :
MSVOA_N
ClientSampleId :
IBLK

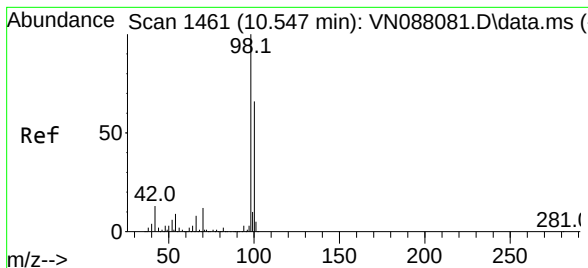
Tgt Ion:114 Resp: 840704
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.2
88 16.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.210 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion:113 Resp: 266640
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 16.2 12.8 19.2

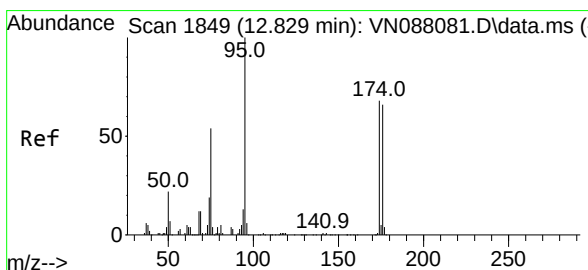
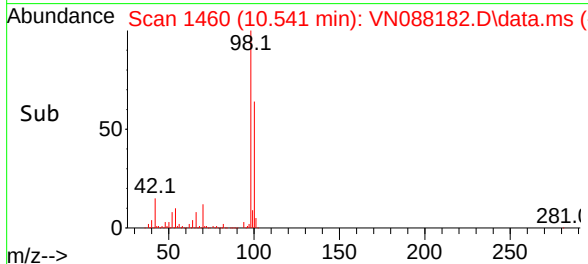
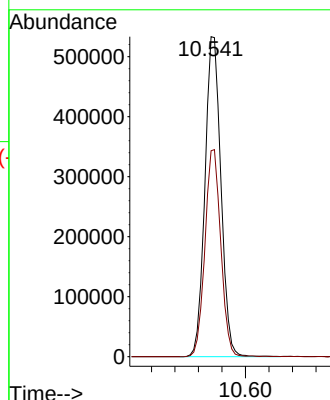
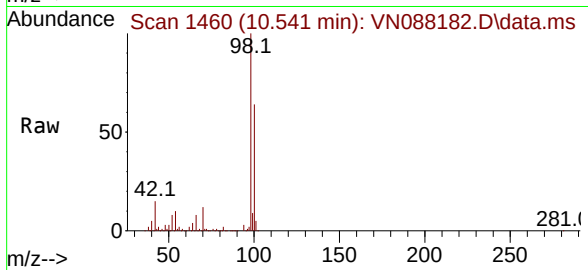




#50
Toluene-d8
Concen: 46.232 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

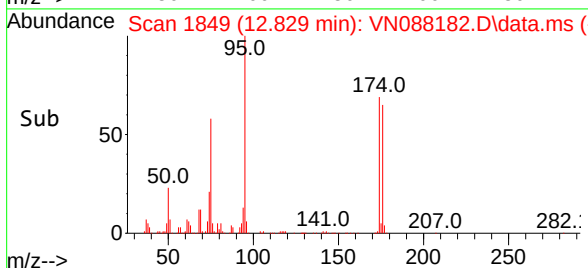
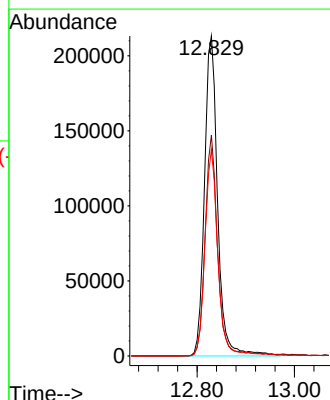
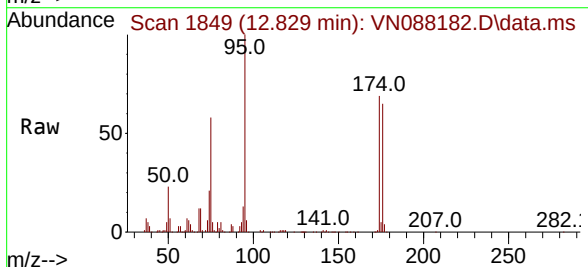
Instrument :
MSVOA_N
ClientSampleId :
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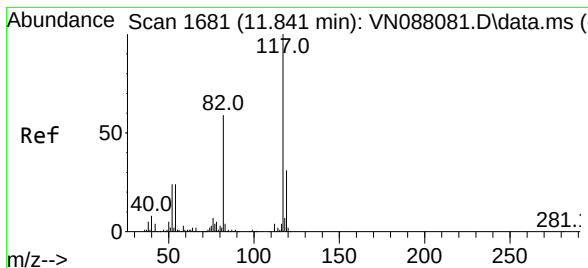
Tgt Ion: 98 Resp: 1006105
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.811 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion: 95 Resp: 398199
Ion Ratio Lower Upper
95 100
174 66.3 0.0 138.4
176 63.1 0.0 132.6

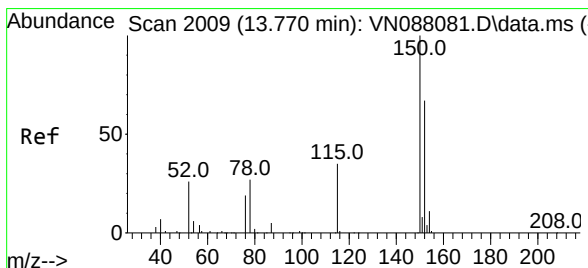
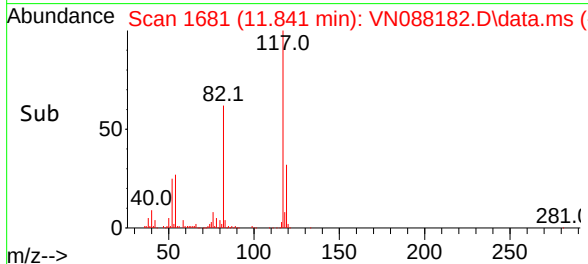
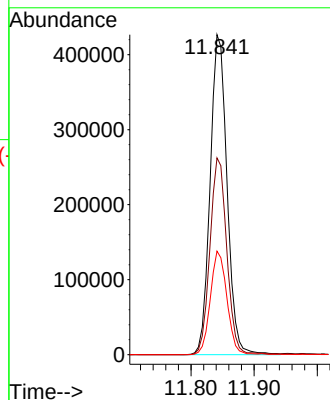
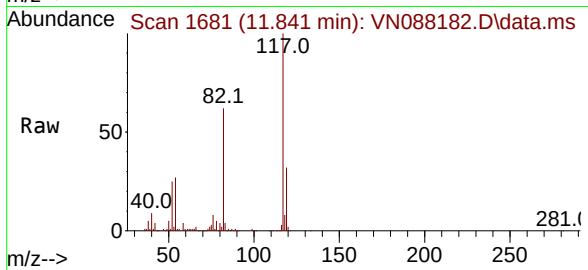




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 792507
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 32.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion:152 Resp: 384412
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 158.9 0.0 351.0

