

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087637.D
 Acq On : 22 Aug 2025 13:40
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 25 01:20:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	171021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	388792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	366868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	169714	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	184080	52.534	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.060%
35) Dibromofluoromethane	8.153	113	136210	48.524	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.040%
50) Toluene-d8	10.547	98	506484	48.207	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.420%
62) 4-Bromofluorobenzene	12.829	95	178870	47.872	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.740%

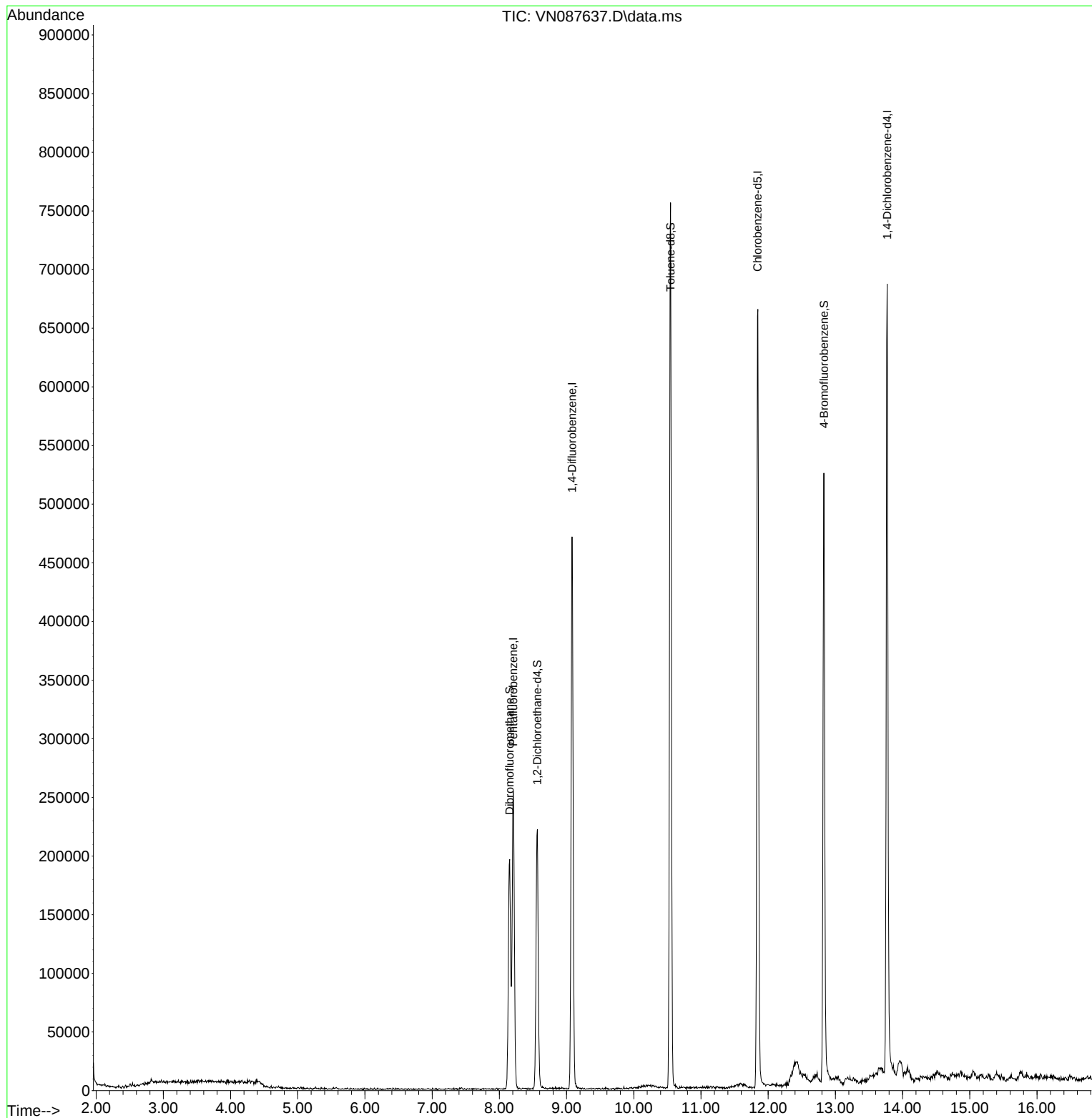
Target Compounds	Qvalue

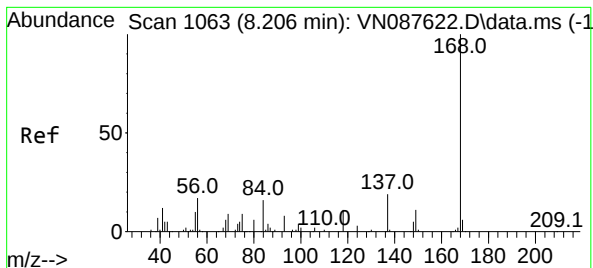
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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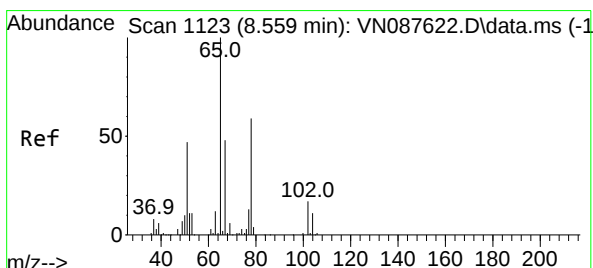
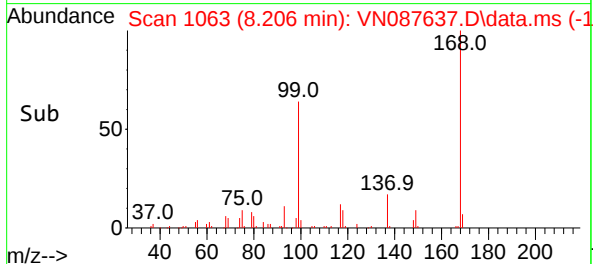
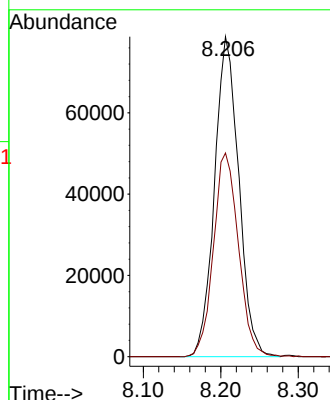
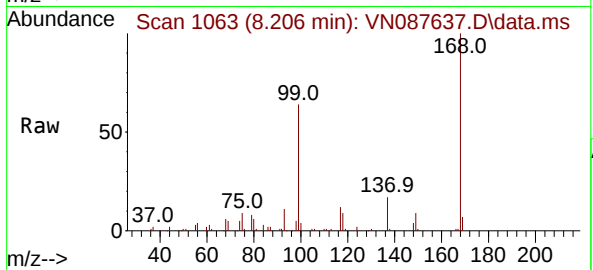




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087637.D
Acq: 22 Aug 2025 13:40

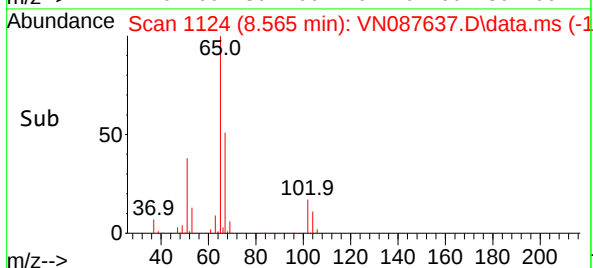
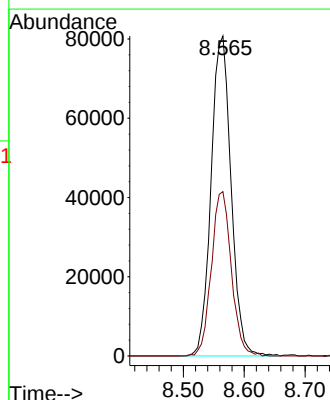
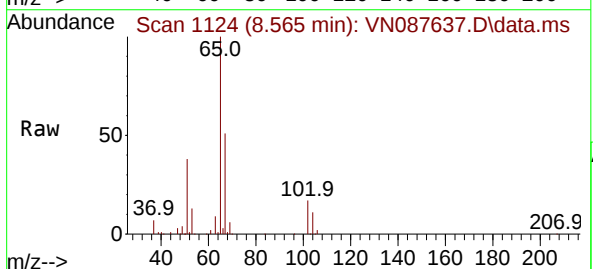
Instrument :
MSVOA_N
ClientSampleId :
IBLK

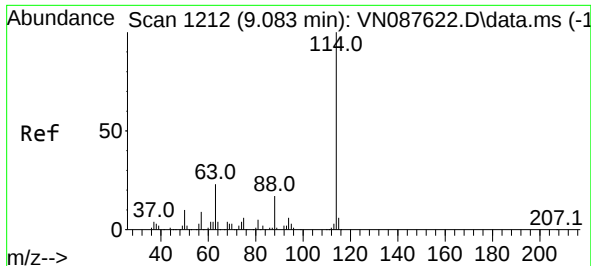
Tgt Ion:168 Resp: 171021
Ion Ratio Lower Upper
168 100
99 63.7 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 52.534 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087637.D
Acq: 22 Aug 2025 13:40

Tgt Ion: 65 Resp: 184080
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.0

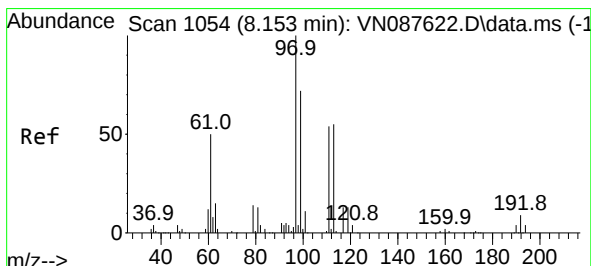
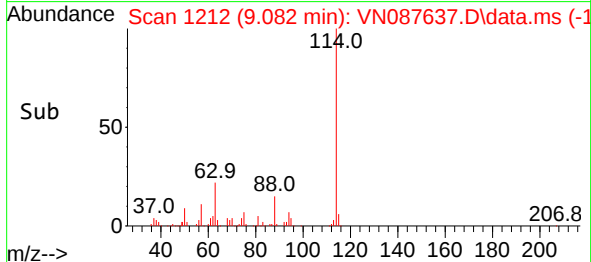
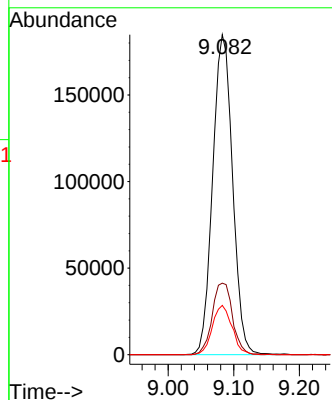
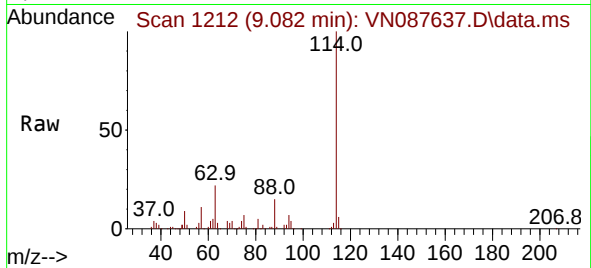




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087637.D
Acq: 22 Aug 2025 13:40

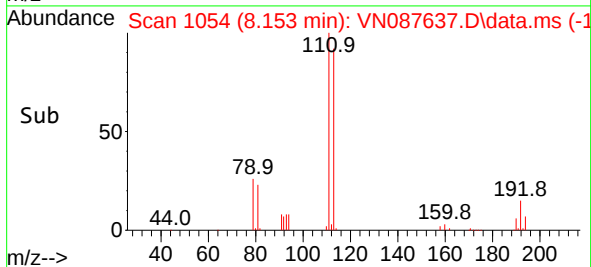
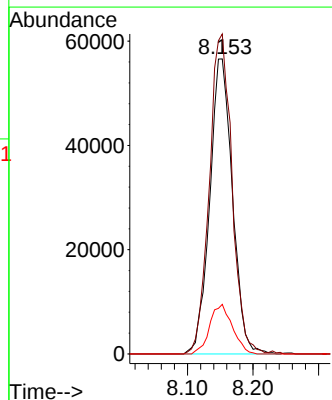
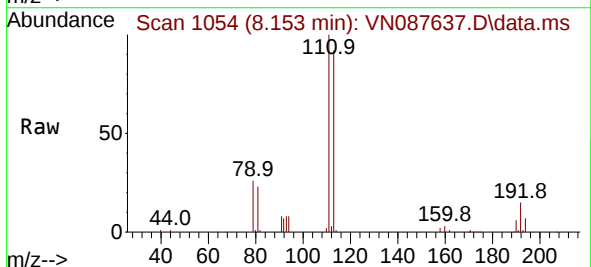
Instrument :
MSVOA_N
ClientSampleId :
IBLK

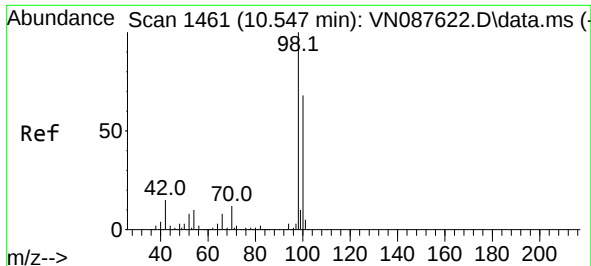
Tgt Ion:114 Resp: 388792
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.2
88 15.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.524 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087637.D
Acq: 22 Aug 2025 13:40

Tgt Ion:113 Resp: 136210
Ion Ratio Lower Upper
113 100
111 108.0 82.8 124.2
192 16.8 12.8 19.2

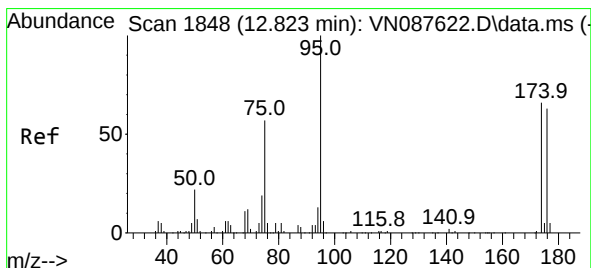
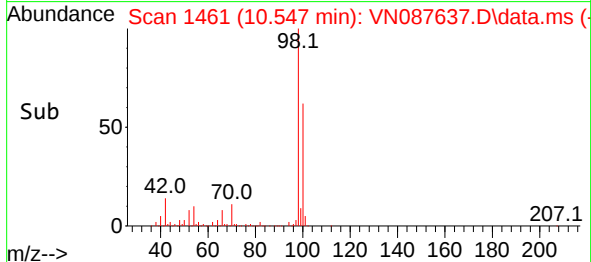
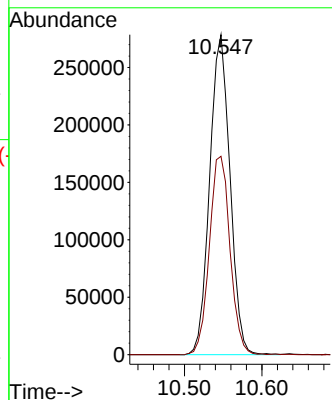
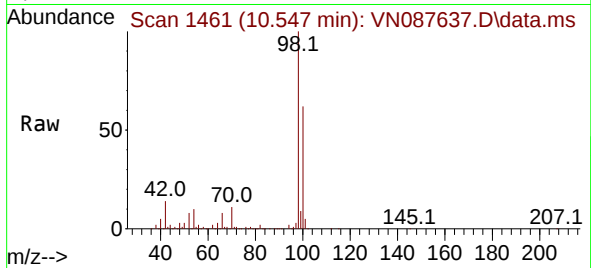




#50
Toluene-d8
Concen: 48.207 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087637.D
Acq: 22 Aug 2025 13:40

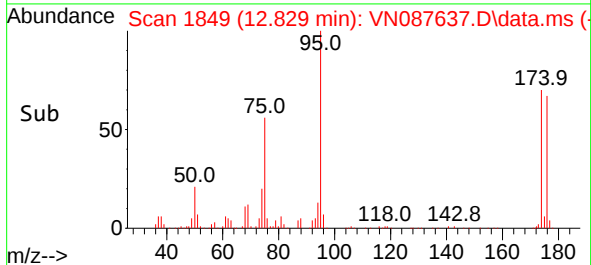
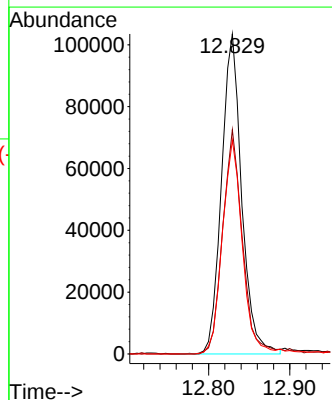
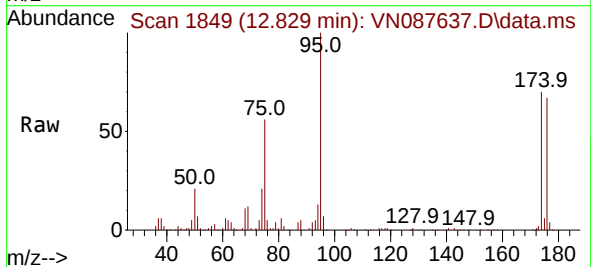
Instrument :
MSVOA_N
ClientSampleId :
IBLK

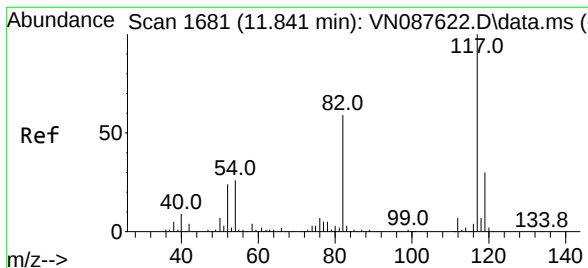
Tgt Ion: 98 Resp: 506484
Ion Ratio Lower Upper
98 100
100 63.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.872 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087637.D
Acq: 22 Aug 2025 13:40

Tgt Ion: 95 Resp: 178870
Ion Ratio Lower Upper
95 100
174 68.8 0.0 138.4
176 67.4 0.0 132.6

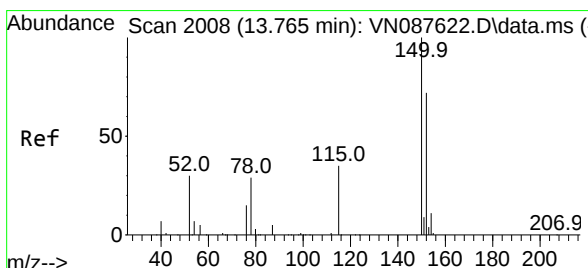
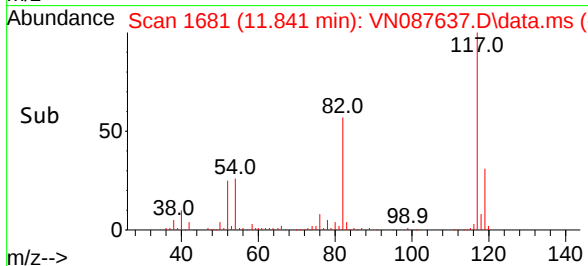
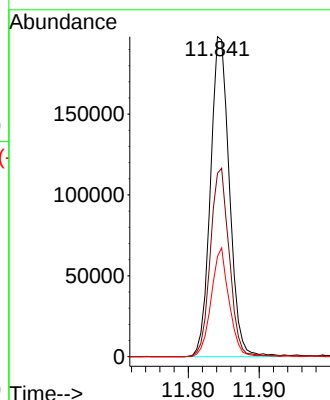
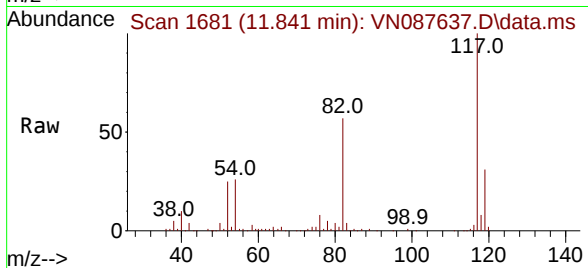




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087637.D
Acq: 22 Aug 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 366868
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.3 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: VN087637.D
Acq: 22 Aug 2025 13:40

Tgt Ion:152 Resp: 169714
Ion Ratio Lower Upper
152 100
115 64.6 32.3 96.8
150 158.6 0.0 351.0

