

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087222.D
 Acq On : 27 Jun 2025 15:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 27 23:46:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	166909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127284	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	137087	57.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.140%
35) Dibromofluoromethane	8.171	113	107387	48.822	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.640%
50) Toluene-d8	10.565	98	419466	46.109	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.220%
62) 4-Bromofluorobenzene	12.847	95	132045	41.831	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	83.660%

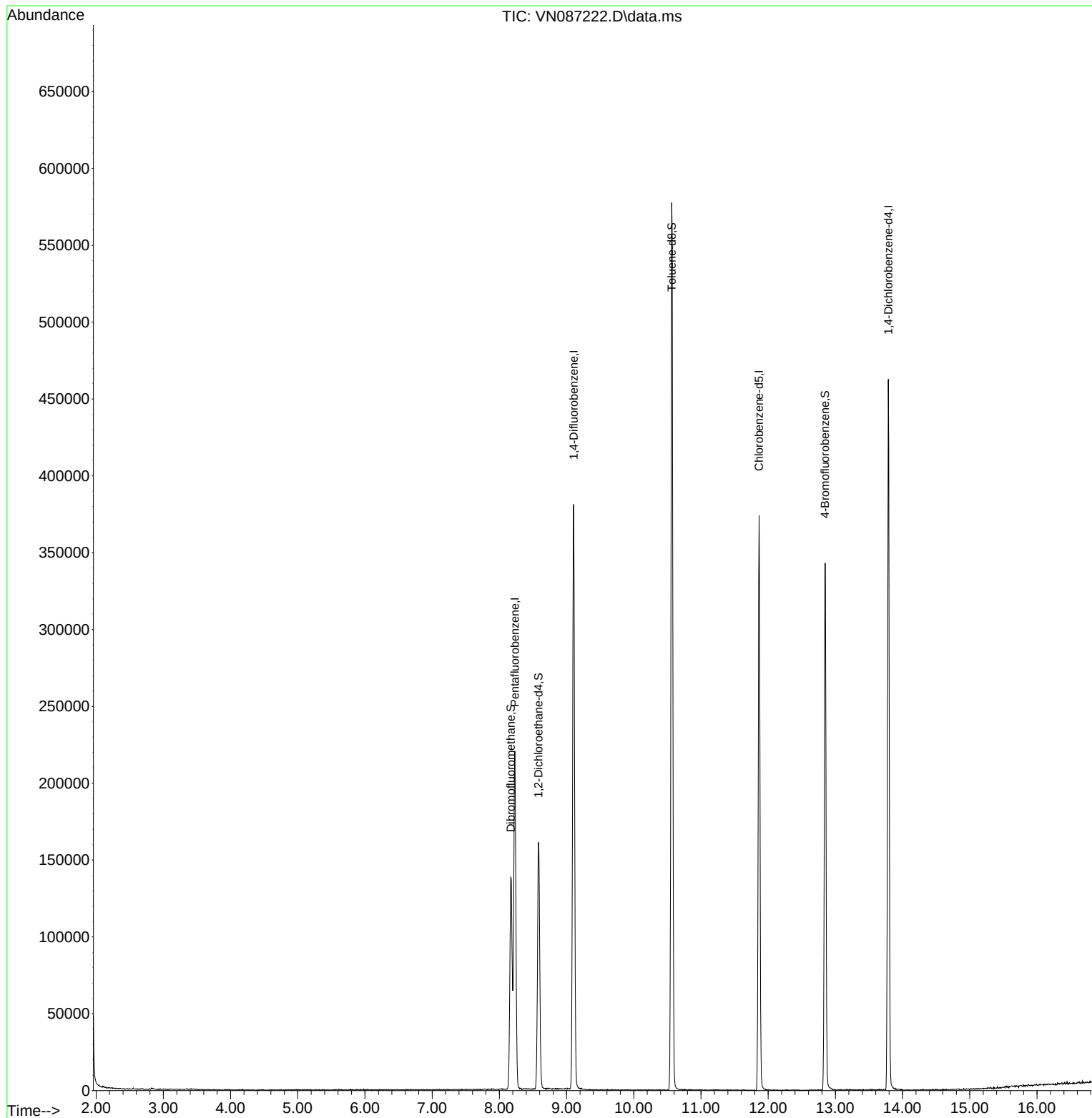
Target Compounds	Qvalue

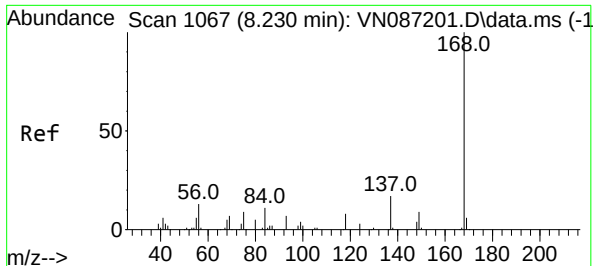
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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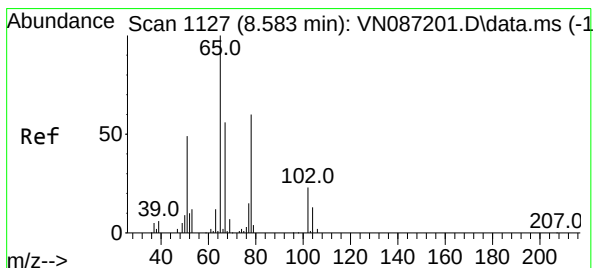
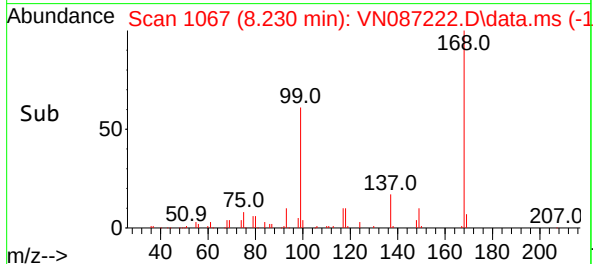
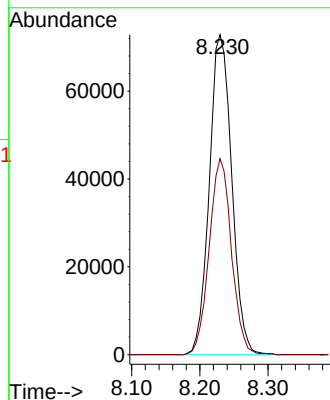
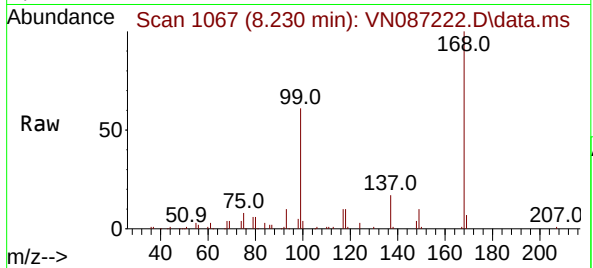




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087222.D
Acq: 27 Jun 2025 15:14

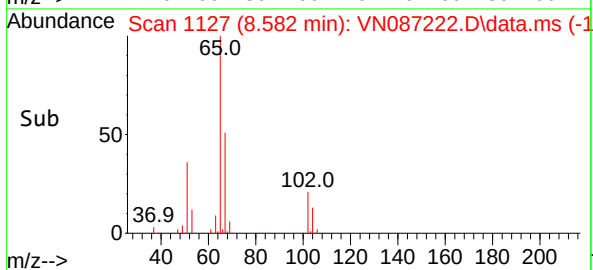
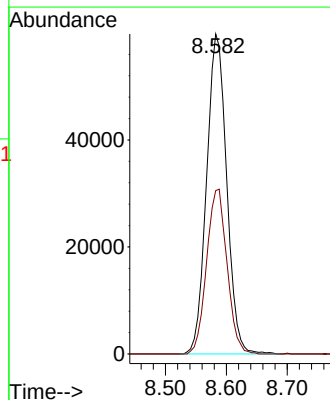
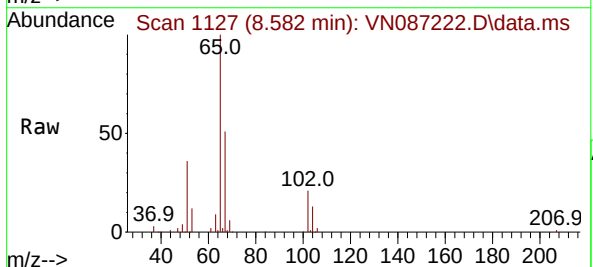
Instrument :
MSVOA_N
ClientSampleId :
IBLK

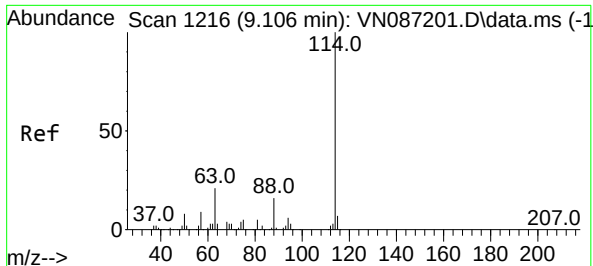
Tgt Ion:168 Resp: 166909
Ion Ratio Lower Upper
168 100
99 61.3 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 57.073 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087222.D
Acq: 27 Jun 2025 15:14

Tgt Ion: 65 Resp: 137087
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.0

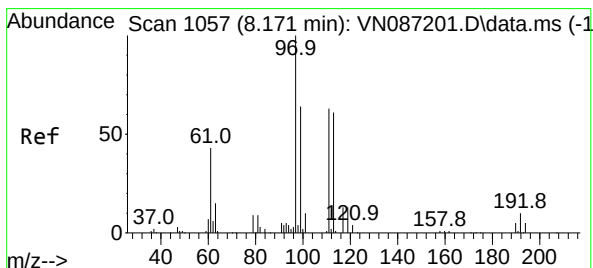
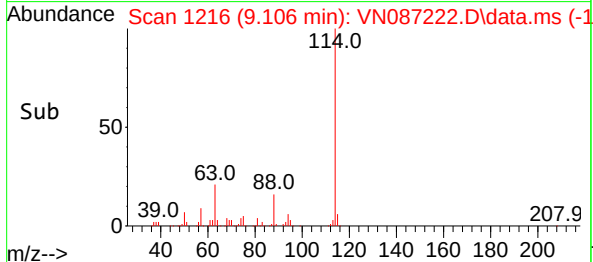
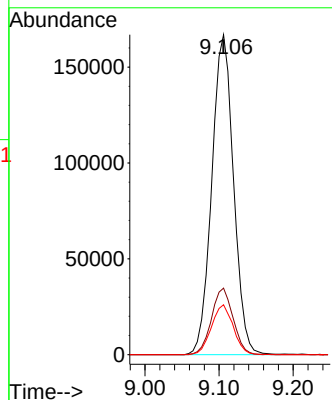
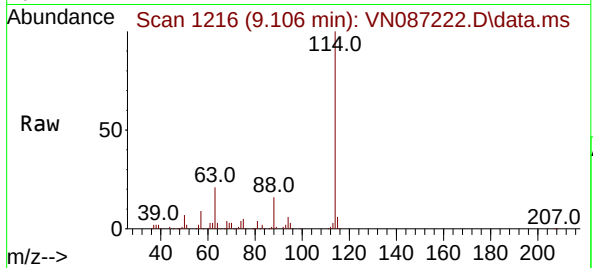




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN087222.D
Acq: 27 Jun 2025 15:14

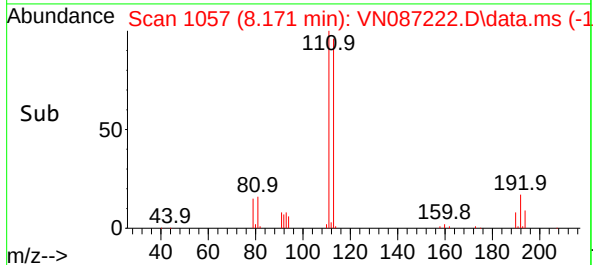
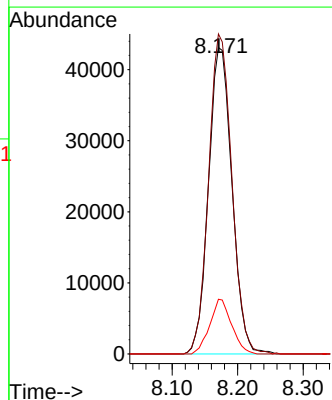
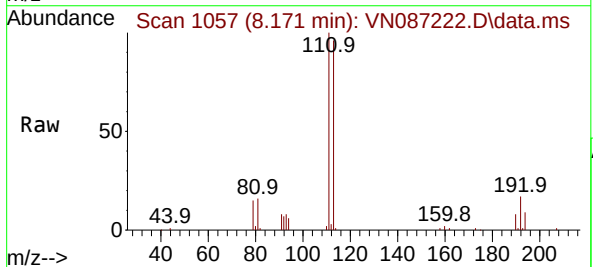
Instrument :
MSVOA_N
ClientSampleId :
IBLK

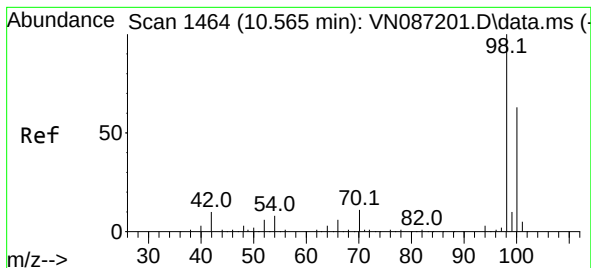
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.0
88	15.6	0.0	32.0



#35
Dibromofluoromethane
Concen: 48.822 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087222.D
Acq: 27 Jun 2025 15:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	124.0
192	16.6	13.5	20.3

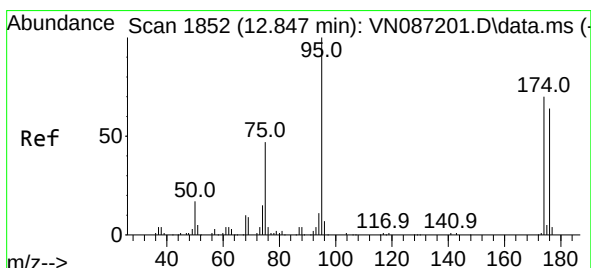
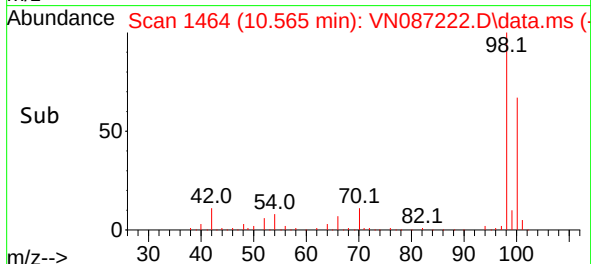
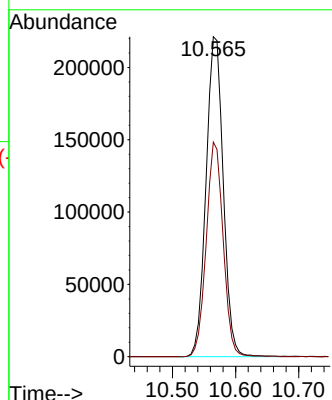
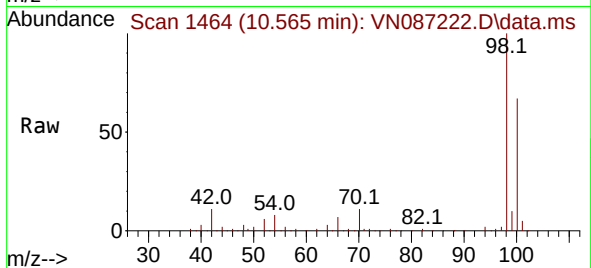




#50
Toluene-d8
Concen: 46.109 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087222.D
Acq: 27 Jun 2025 15:14

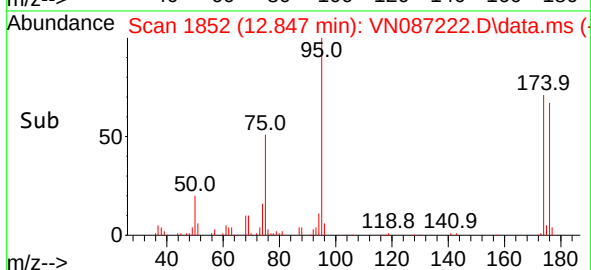
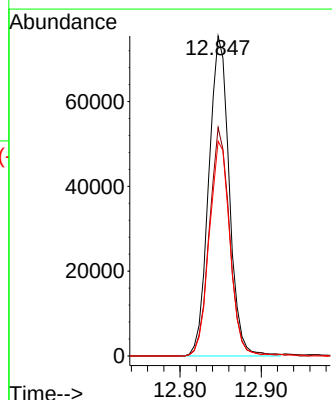
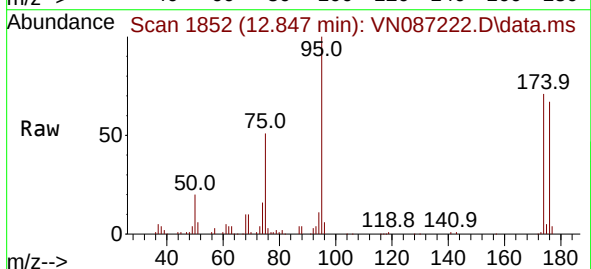
Instrument :
MSVOA_N
ClientSampleId :
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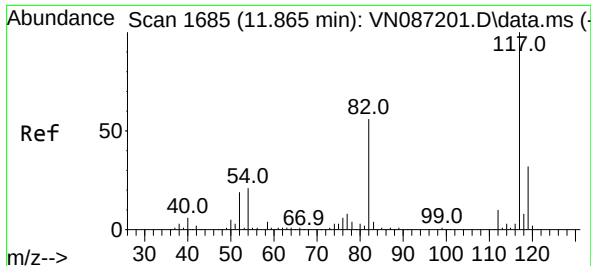
Tgt Ion: 98 Resp: 419466
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 41.831 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087222.D
Acq: 27 Jun 2025 15:14

Tgt Ion: 95 Resp: 132045
Ion Ratio Lower Upper
95 100
174 71.0 0.0 142.2
176 67.7 0.0 134.8

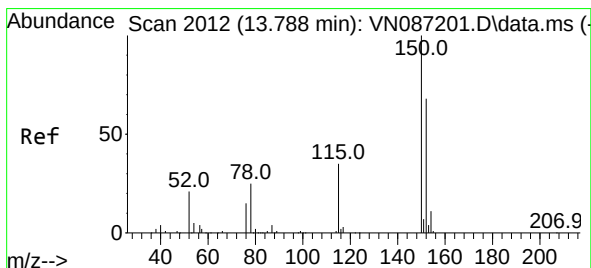
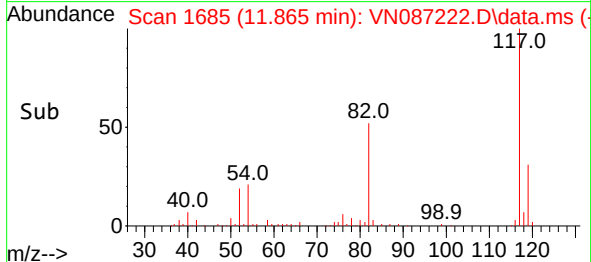
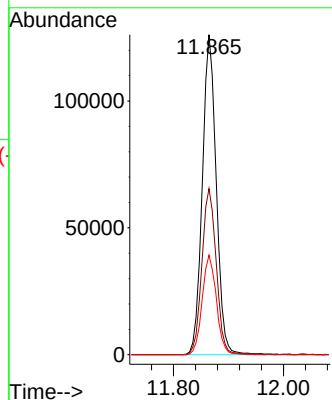
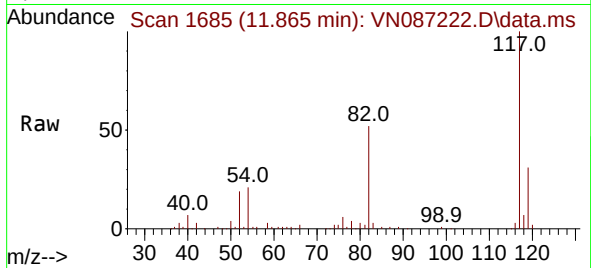




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087222.D
Acq: 27 Jun 2025 15:14

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 222391
Ion Ratio Lower Upper
117 100
82 51.9 45.0 67.4
119 31.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087222.D
Acq: 27 Jun 2025 15:14

Tgt Ion:152 Resp: 127284
Ion Ratio Lower Upper
152 100
115 60.3 30.6 91.8
150 157.8 0.0 347.8

