

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090225\
 Data File : VN087704.D
 Acq On : 02 Sep 2025 10:38
 Operator : JC\MD
 Sample : VN0902MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

Quant Time: Sep 03 01:16:03 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	186934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	433255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	397955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	185810	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	197845	51.656	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.320%
35) Dibromofluoromethane	8.153	113	154842	49.500	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.000%
50) Toluene-d8	10.547	98	547978	46.804	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.600%
62) 4-Bromofluorobenzene	12.829	95	189661	45.551	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.100%

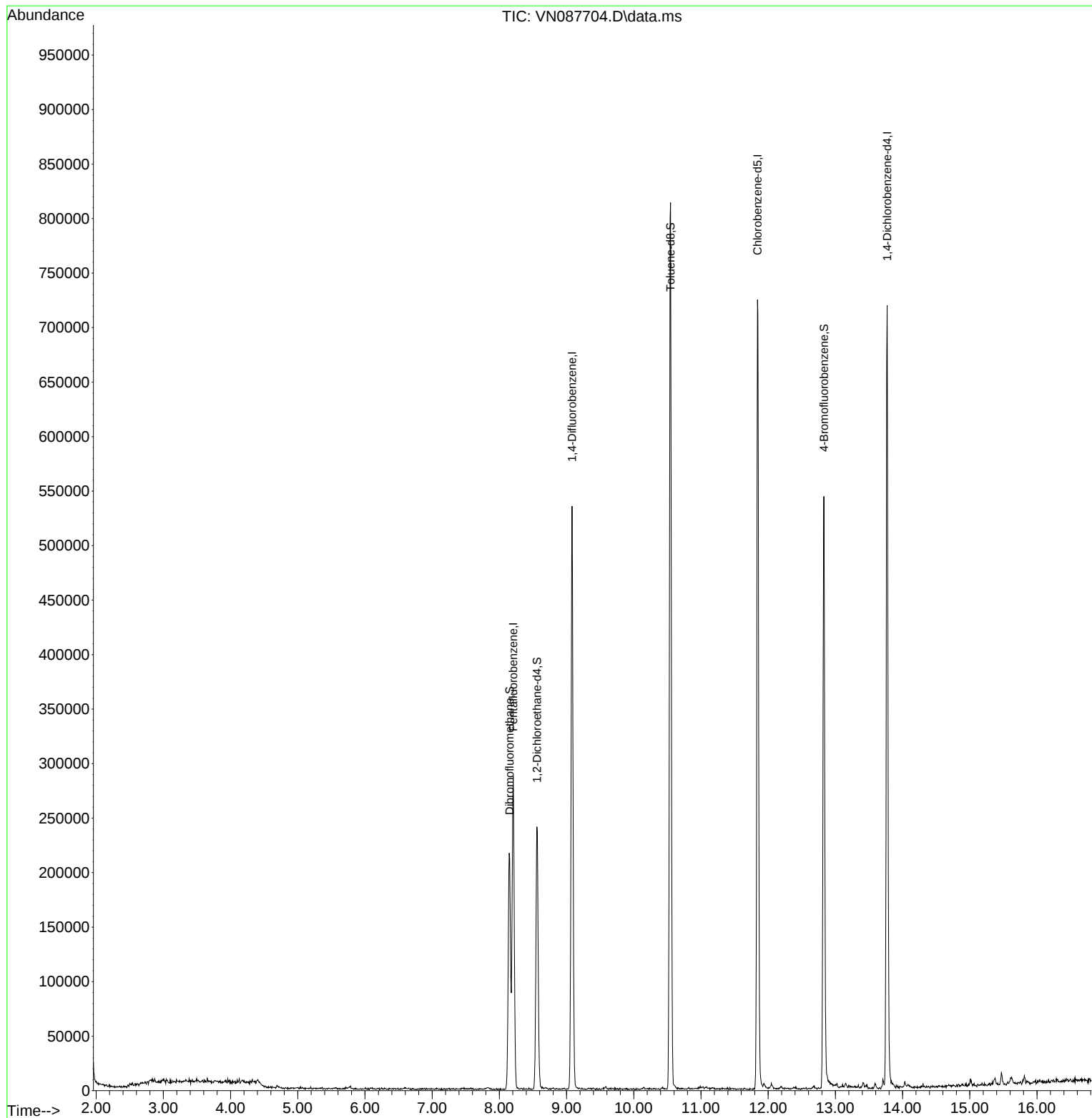
Target Compounds	Qvalue

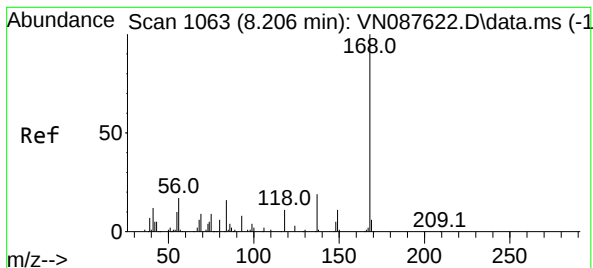
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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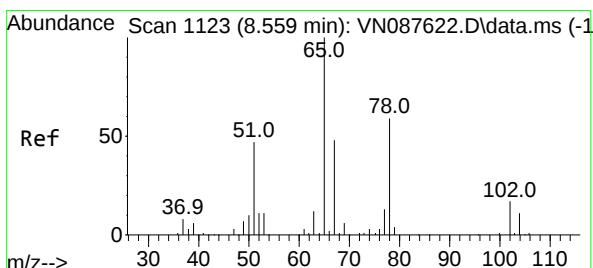
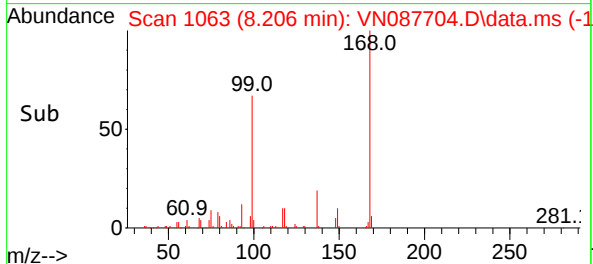
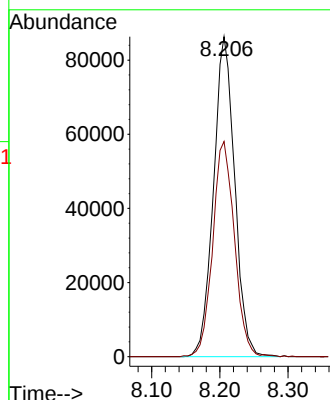
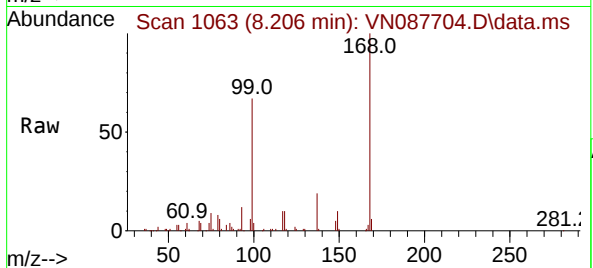




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087704.D
Acq: 02 Sep 2025 10:38

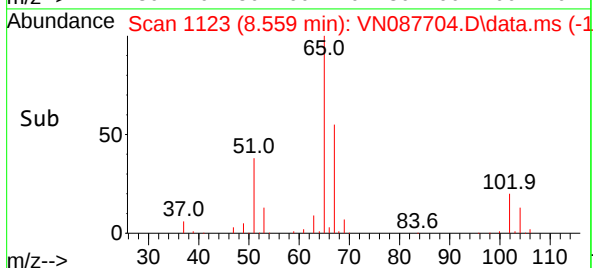
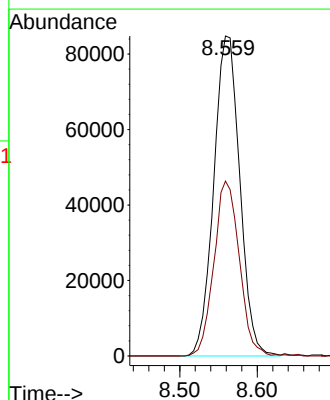
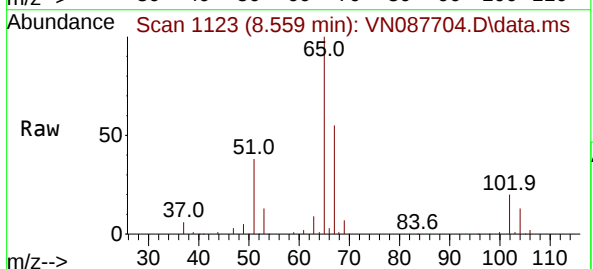
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBL01

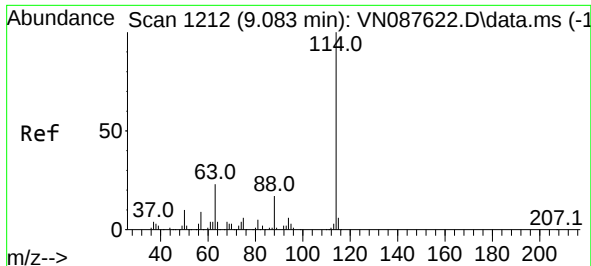
Tgt Ion:168 Resp: 186934
Ion Ratio Lower Upper
168 100
99 67.2 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 51.656 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087704.D
Acq: 02 Sep 2025 10:38

Tgt Ion: 65 Resp: 197845
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087704.D

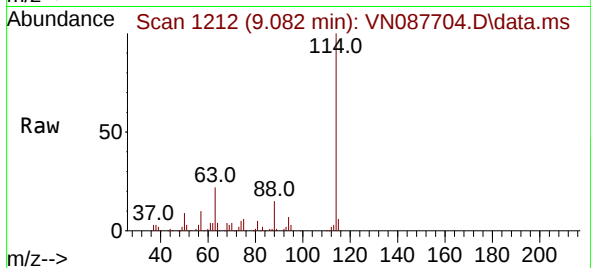
Acq: 02 Sep 2025 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBL01



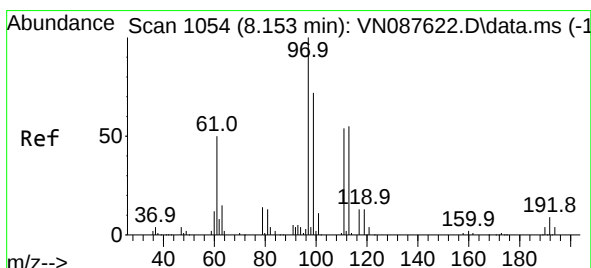
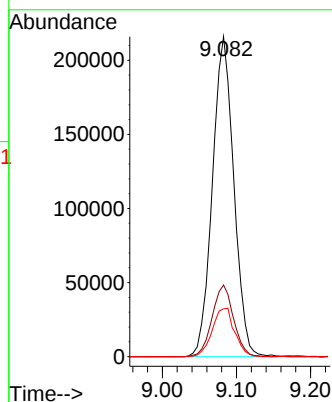
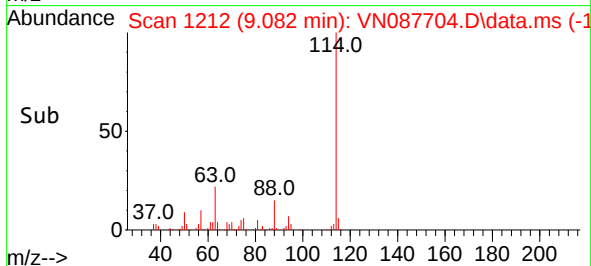
Tgt Ion:114 Resp: 433255

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

88 14.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.500 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087704.D

Acq: 02 Sep 2025 10:38

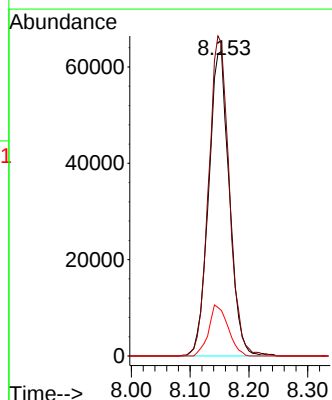
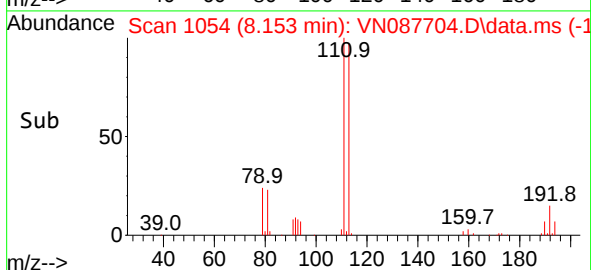
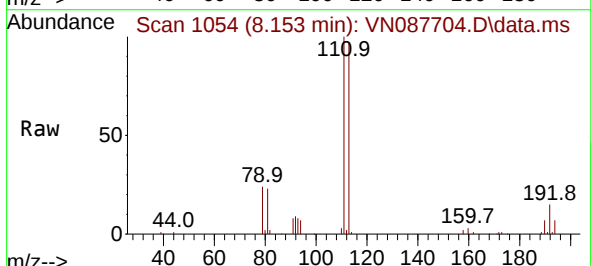
Tgt Ion:113 Resp: 154842

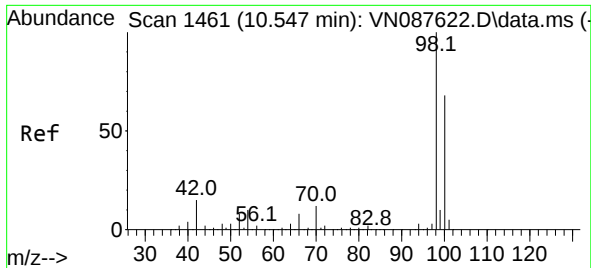
Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

192 15.6 12.8 19.2

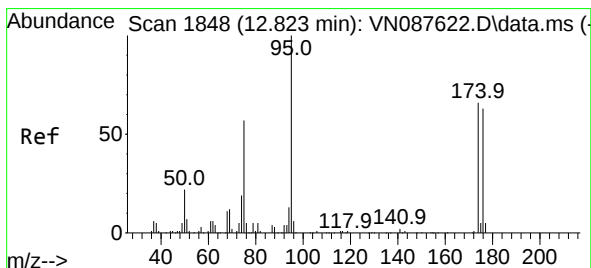
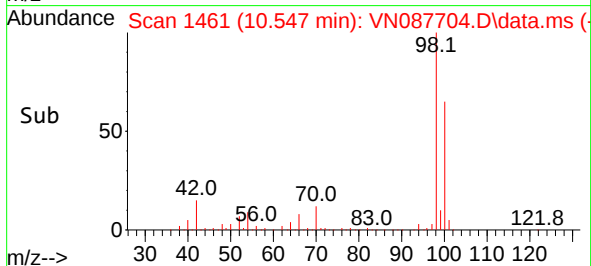
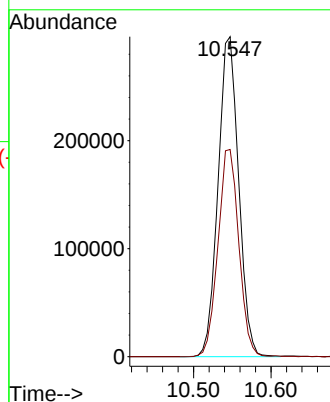
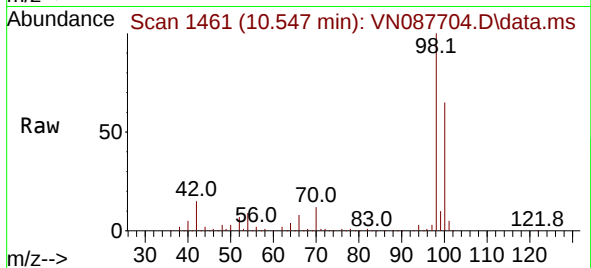




#50
Toluene-d8
Concen: 46.804 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087704.D
Acq: 02 Sep 2025 10:38

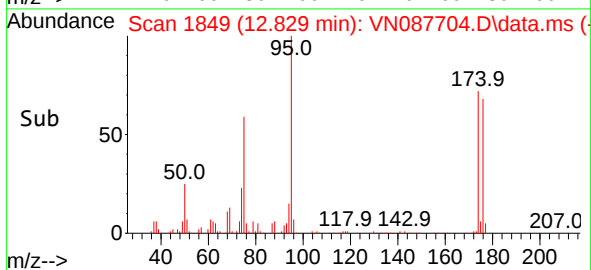
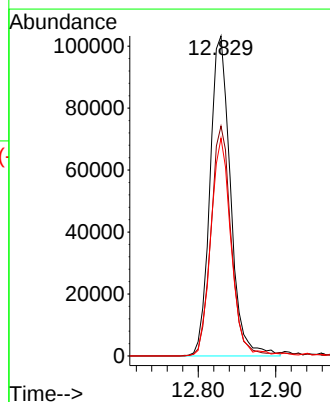
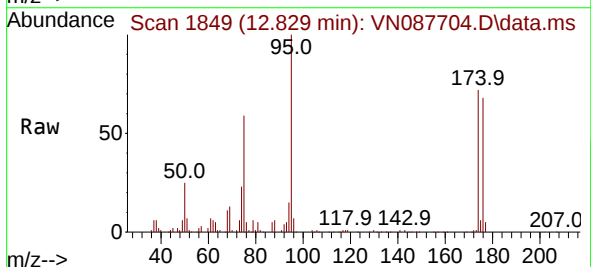
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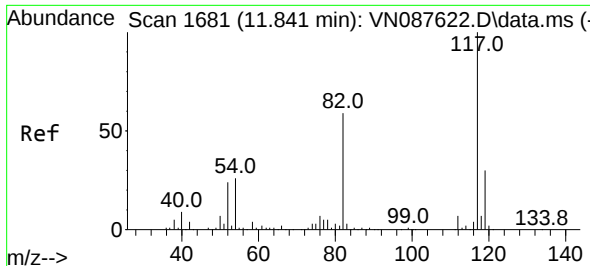
Tgt Ion: 98 Resp: 547978
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.551 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087704.D
Acq: 02 Sep 2025 10:38

Tgt Ion: 95 Resp: 189661
Ion Ratio Lower Upper
95 100
174 70.7 0.0 138.4
176 67.7 0.0 132.6

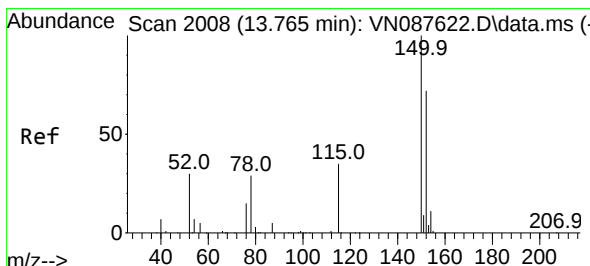
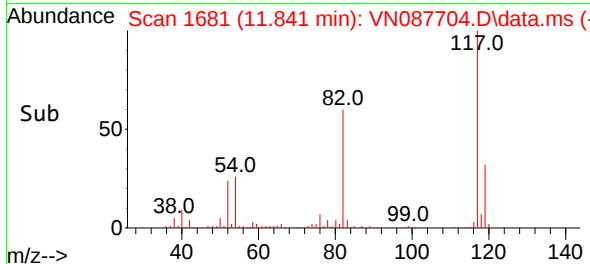
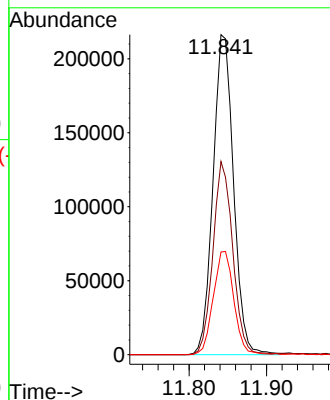
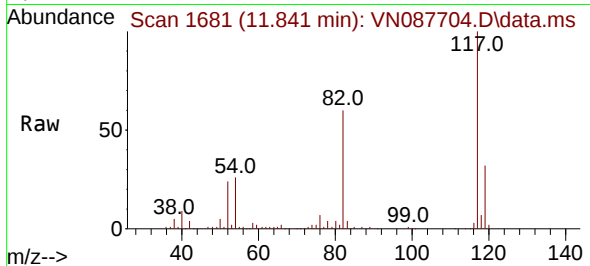




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087704.D
Acq: 02 Sep 2025 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBL01

Tgt Ion:117 Resp: 397955
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 32.1 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: VN087704.D
Acq: 02 Sep 2025 10:38

Tgt Ion:152 Resp: 185810
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 156.3 0.0 351.0

