

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
 Data File : VN087963.D
 Acq On : 26 Sep 2025 13:49
 Operator : JC\MD
 Sample : VN0926WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBL01

Quant Time: Sep 27 01:24:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	239293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	535067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	507778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233948	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	235234	58.412	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.820%
35) Dibromofluoromethane	8.153	113	195893	50.424	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.840%
50) Toluene-d8	10.547	98	687185	50.300	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.829	95	217679	44.576	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.160%

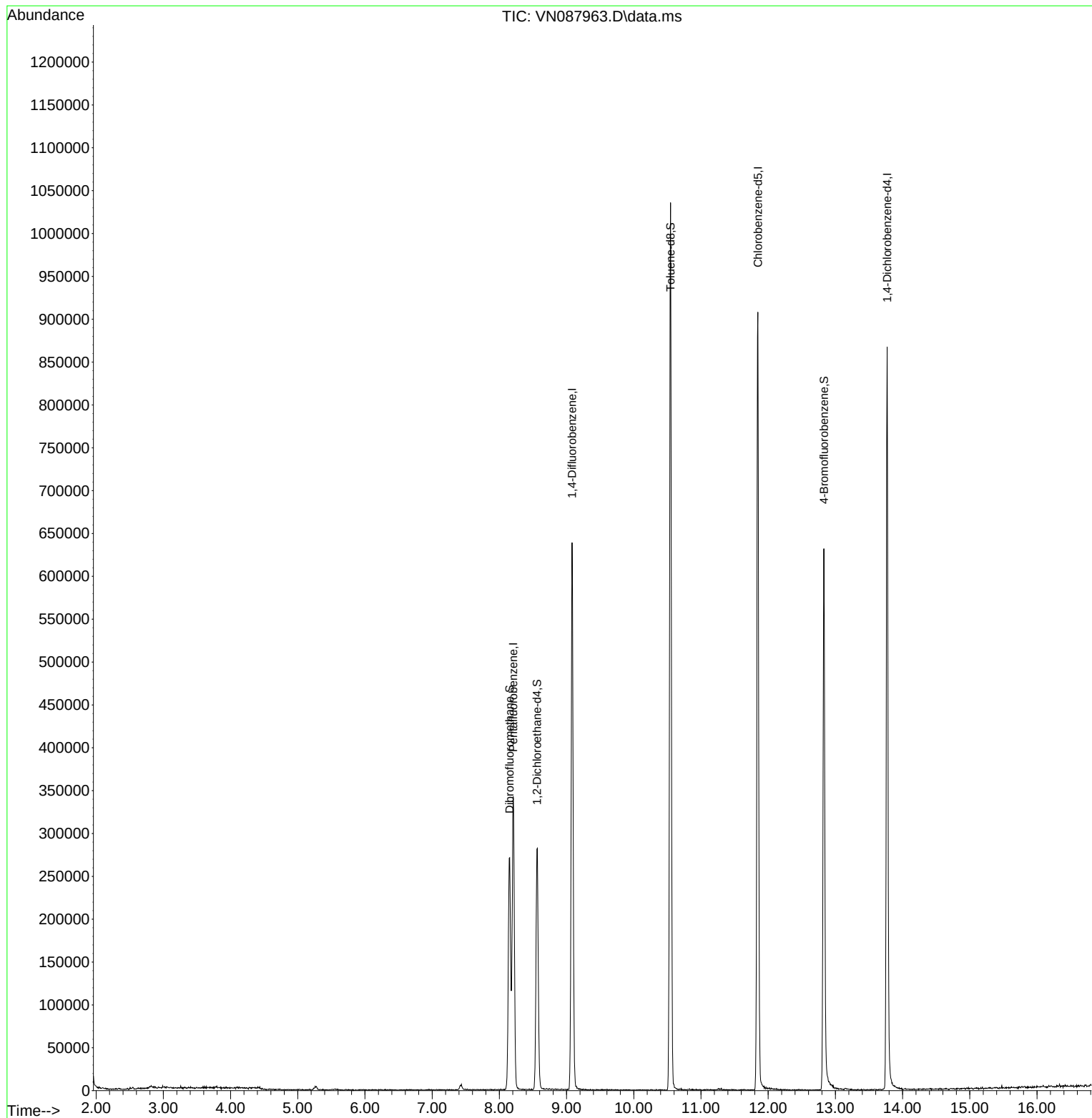
Target Compounds	Qvalue

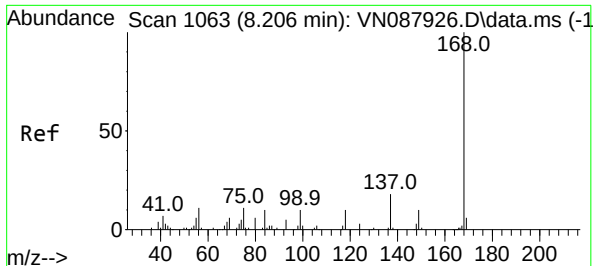
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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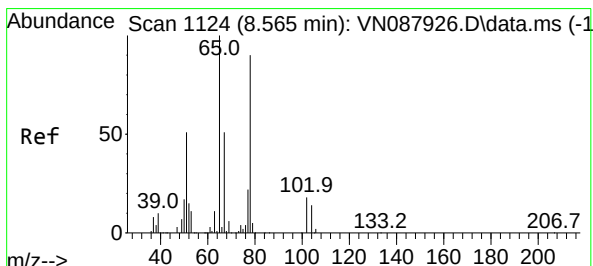
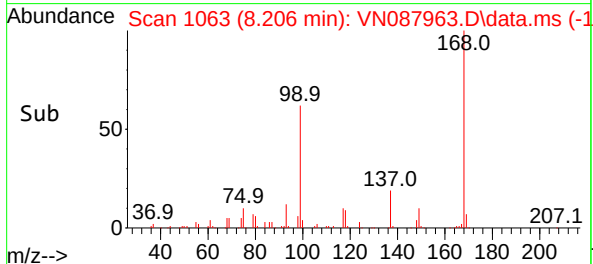
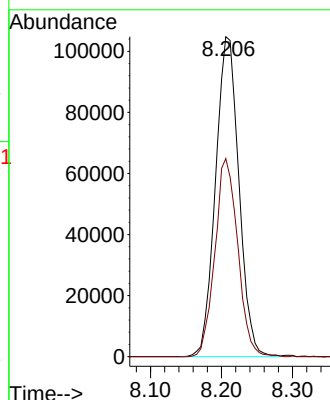
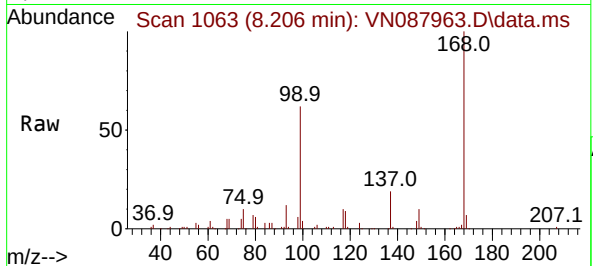




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

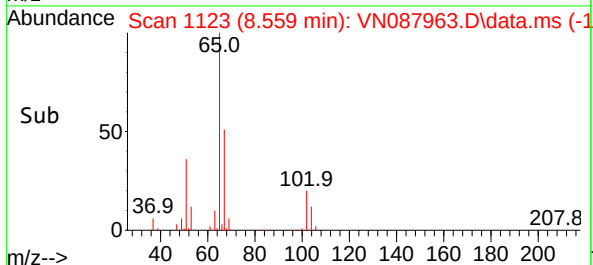
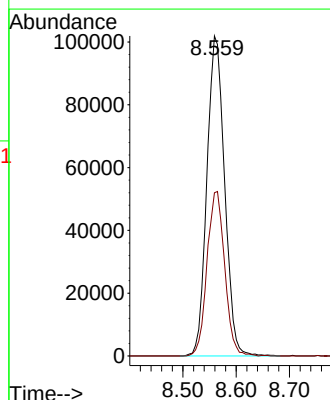
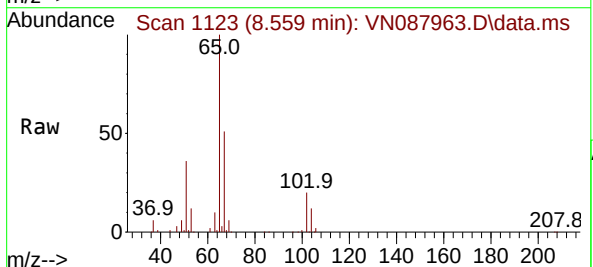
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

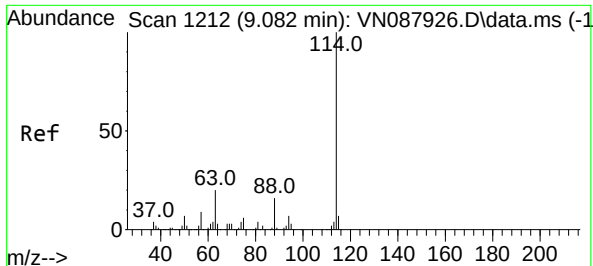
Tgt Ion:168 Resp: 239293
Ion Ratio Lower Upper
168 100
99 61.9 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 58.412 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion: 65 Resp: 235234
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4

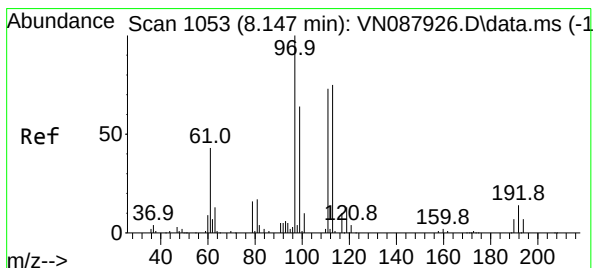
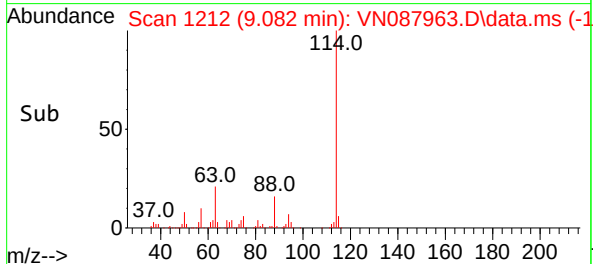
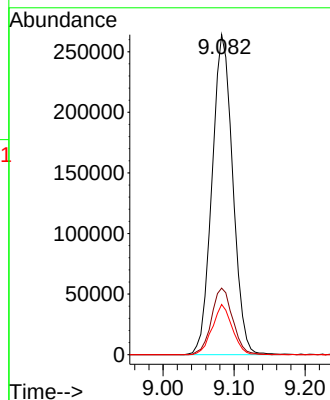
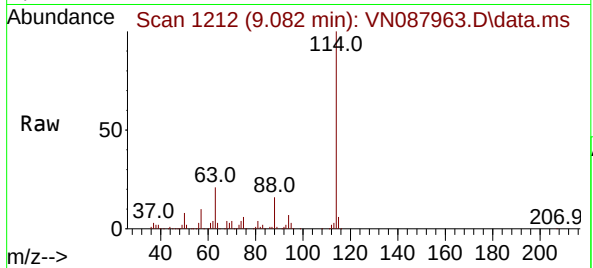




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

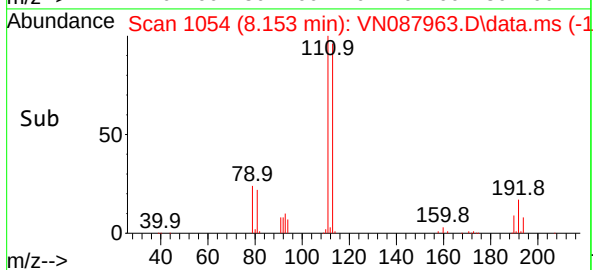
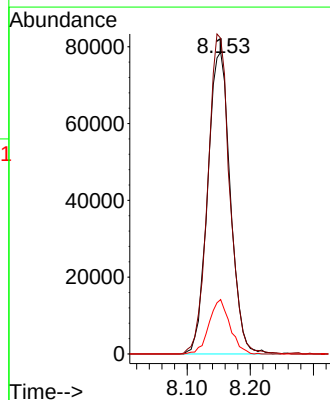
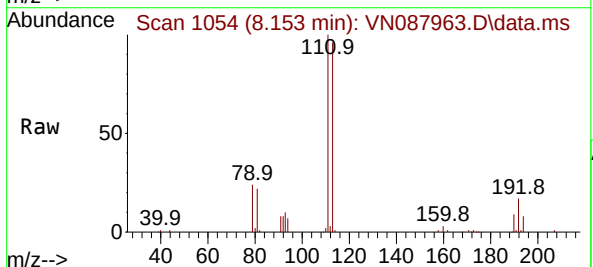
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

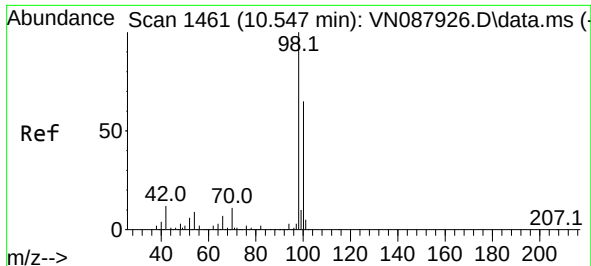
Tgt Ion:114 Resp: 535067
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.0
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.424 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion:113 Resp: 195893
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 16.6 14.2 21.2

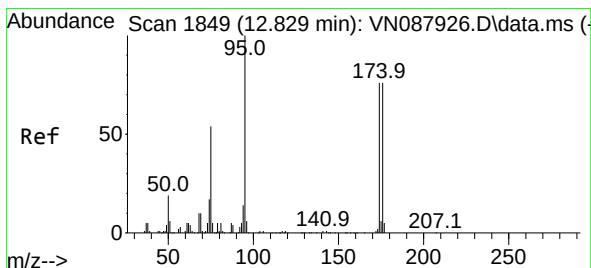
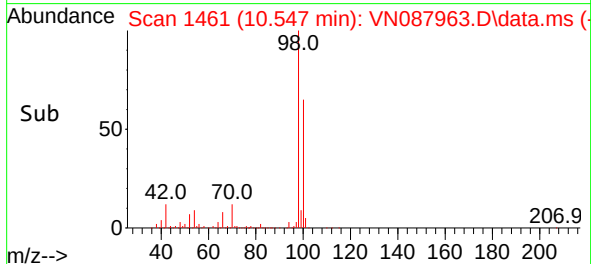
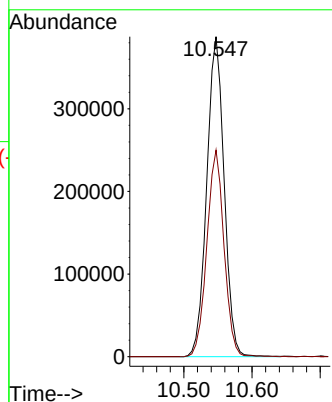
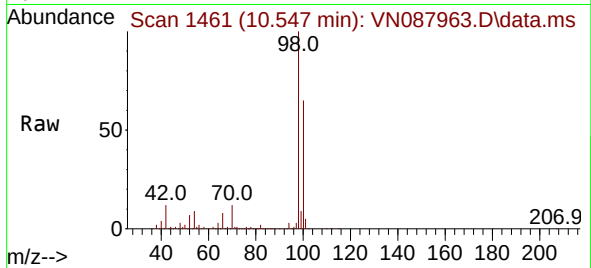




#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

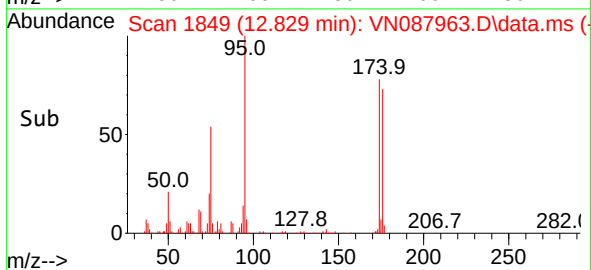
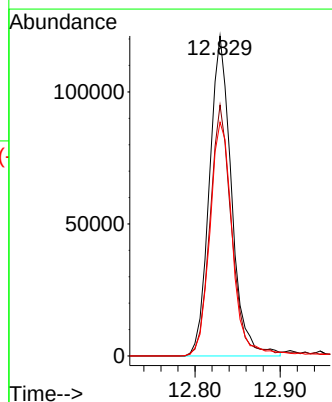
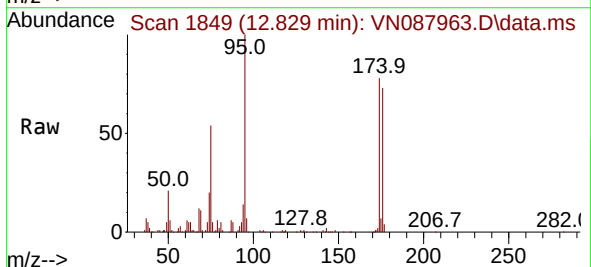
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

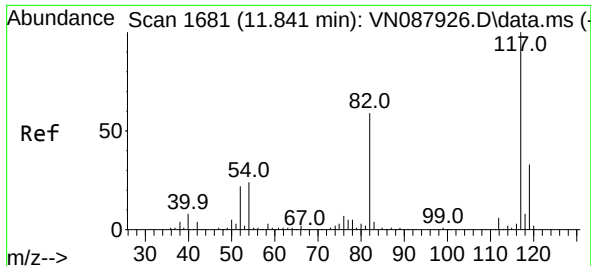
Tgt Ion: 98 Resp: 687185
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.576 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion: 95 Resp: 217679
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.2
176 74.7 0.0 152.6

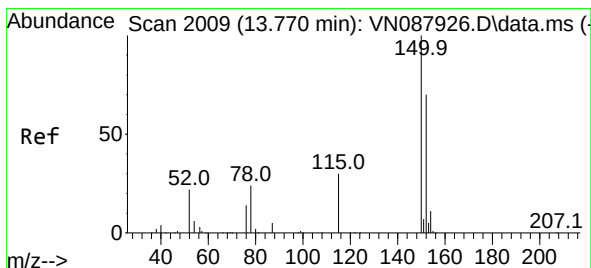
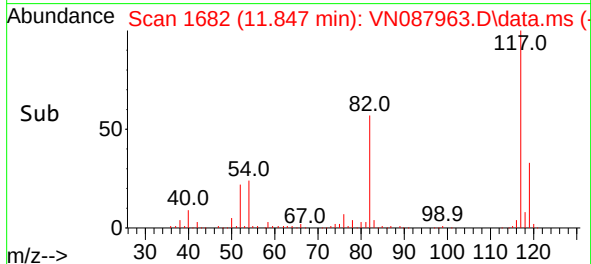
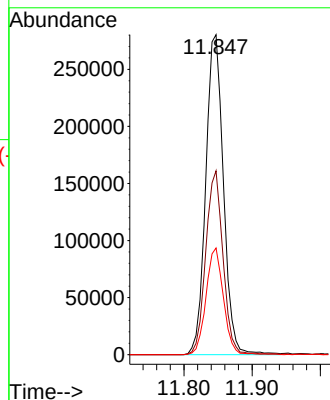
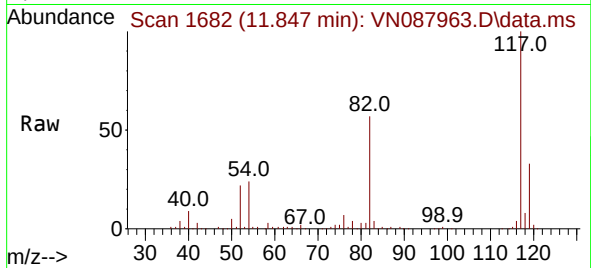




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

Tgt Ion:117 Resp: 507778
Ion Ratio Lower Upper
117 100
82 57.5 47.0 70.4
119 33.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion:152 Resp: 233948
Ion Ratio Lower Upper
152 100
115 62.1 29.9 89.7
150 155.6 0.0 335.0

