

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087935.D
 Acq On : 24 Sep 2025 09:47
 Operator : JC\MD
 Sample : VN0924WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBL01

Quant Time: Sep 25 03:05:50 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	194391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	423678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	397836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	185471	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	178852	54.671	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.340%
35) Dibromofluoromethane	8.153	113	153762	49.985	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	10.547	98	532842	49.257	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.829	95	179923	46.531	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.060%

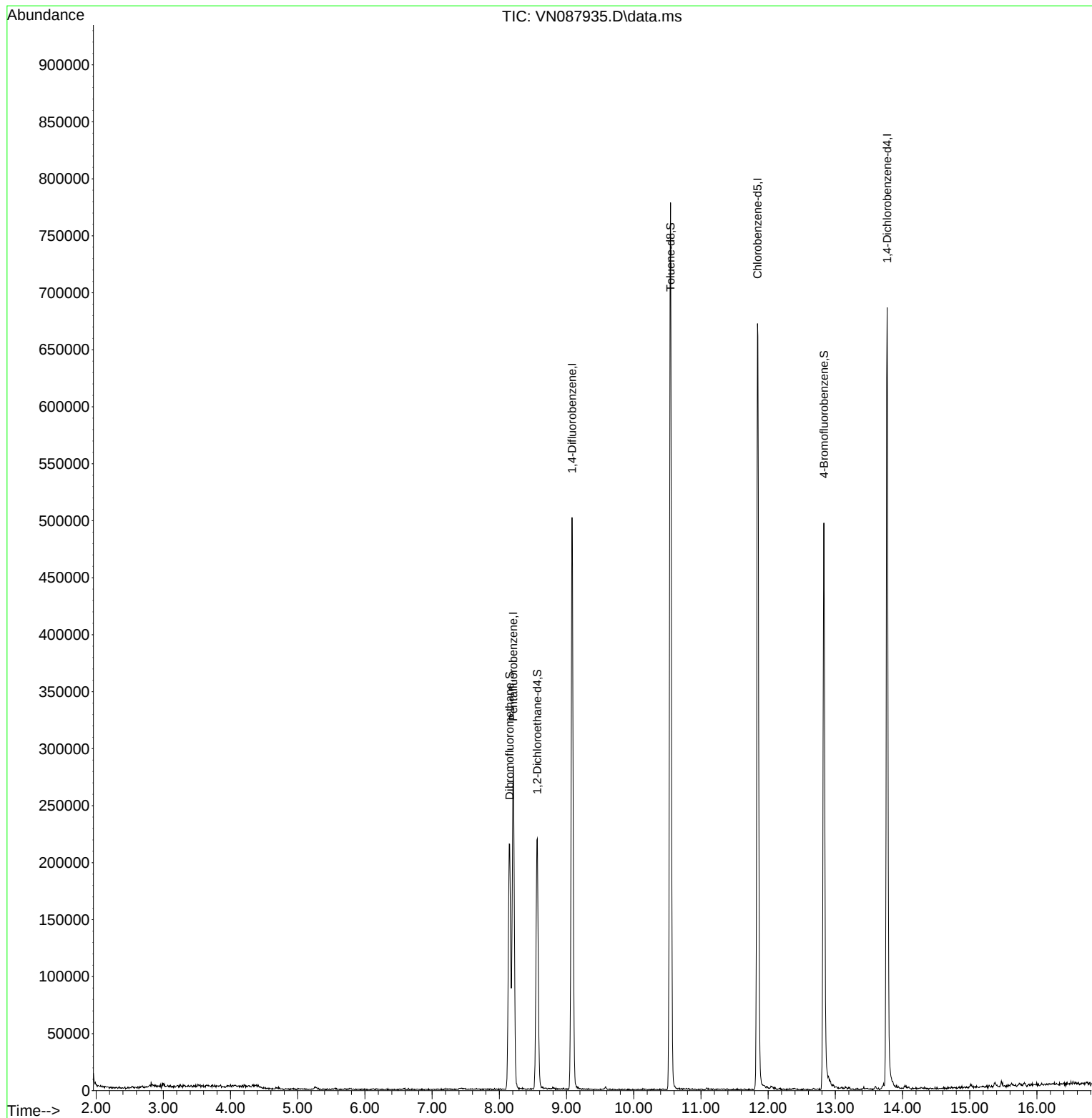
Target Compounds	Qvalue

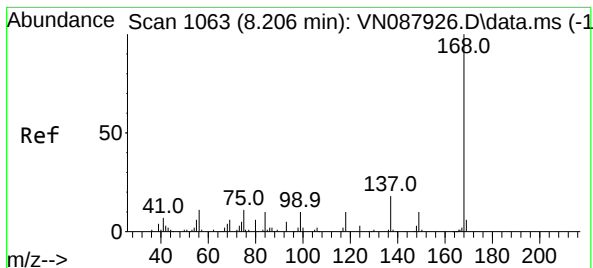
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.206 min Scan# 1

Delta R.T. 0.000 min

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Instrument :

MSVOA_N

ClientSampleId :

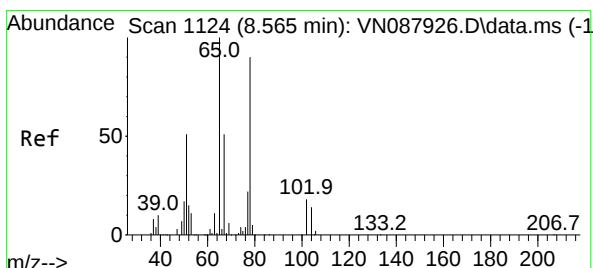
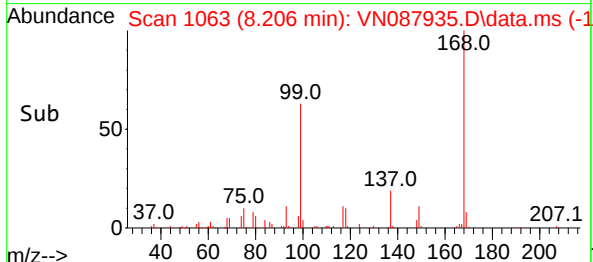
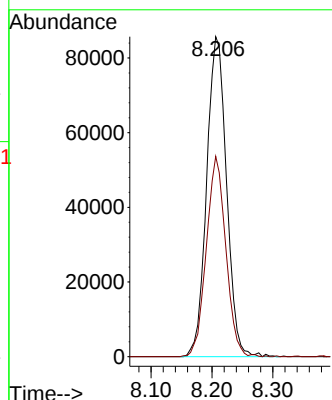
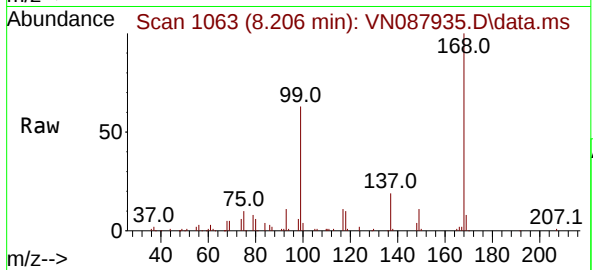
VN0924WBL01

Tgt Ion:168 Resp: 194391

Ion Ratio Lower Upper

168 100

99 62.6 52.2 78.2



#33

1,2-Dichloroethane-d4

Concen: 54.671 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087935.D

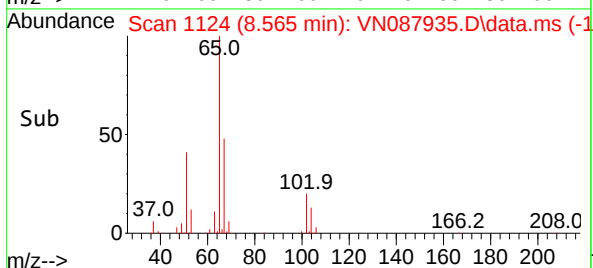
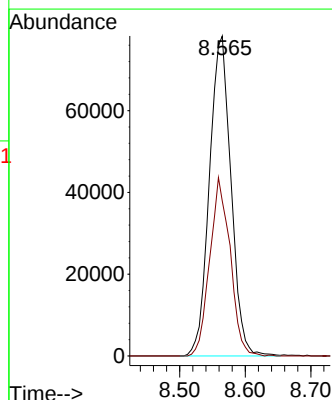
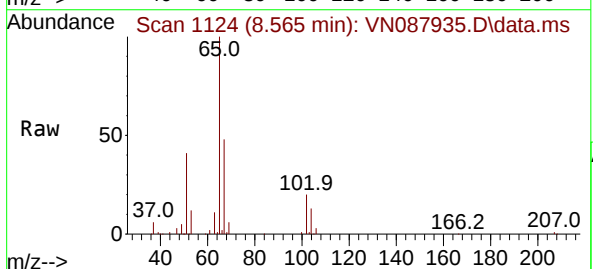
Acq: 24 Sep 2025 09:47

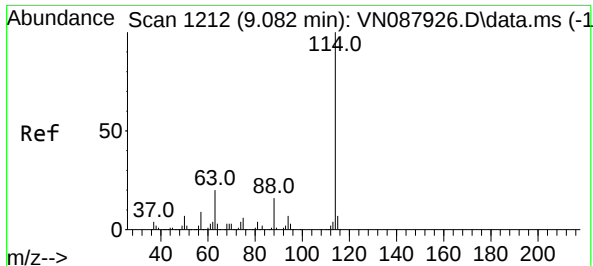
Tgt Ion: 65 Resp: 178852

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBL01

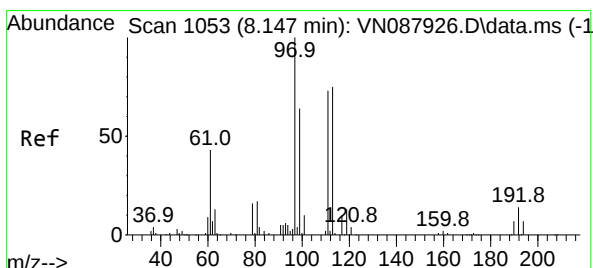
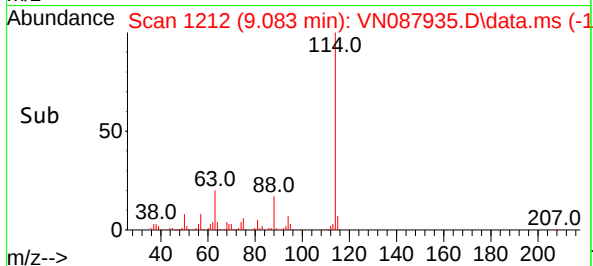
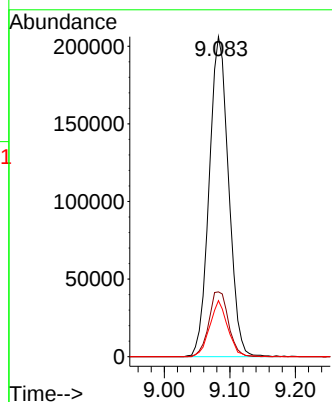
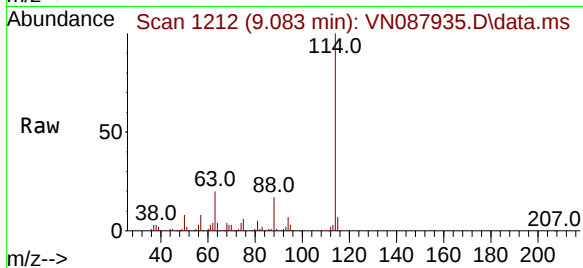
Tgt Ion:114 Resp: 423678

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 17.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.985 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

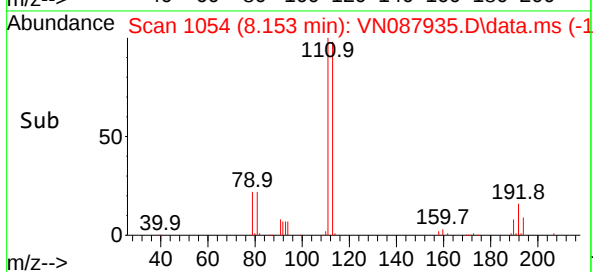
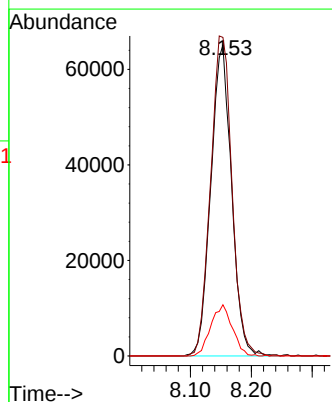
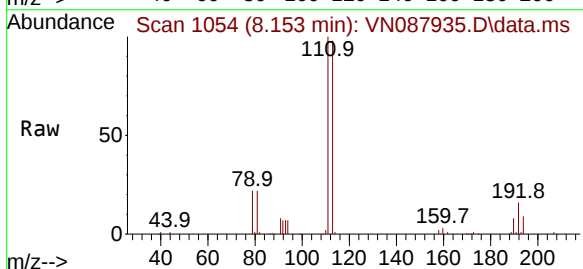
Tgt Ion:113 Resp: 153762

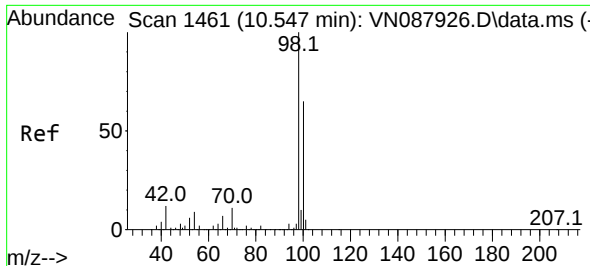
Ion Ratio Lower Upper

113 100

111 106.0 82.2 123.2

192 17.2 14.2 21.2

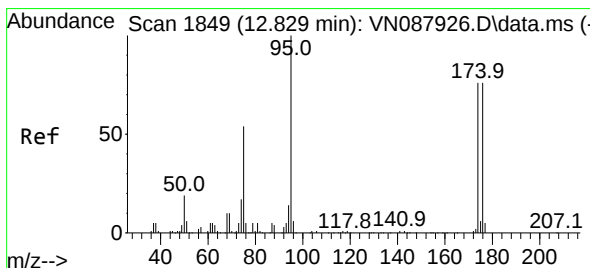
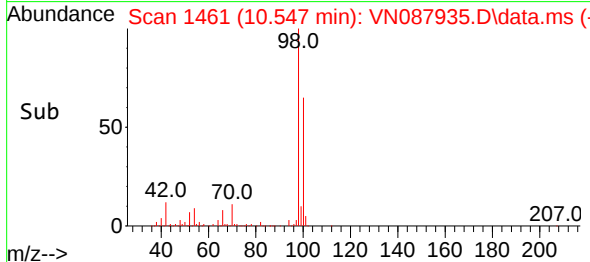
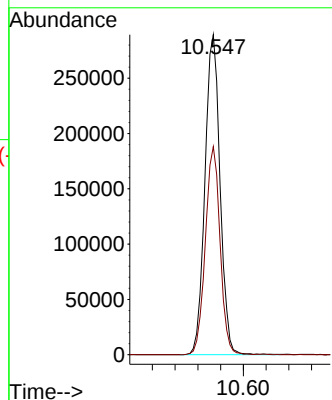
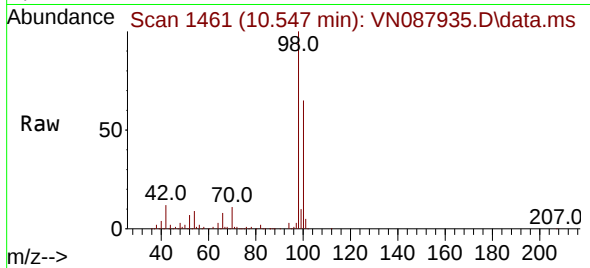




#50
Toluene-d8
Concen: 49.257 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

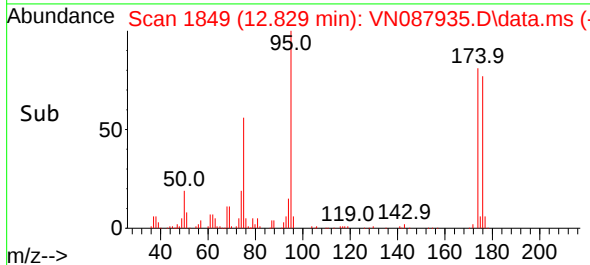
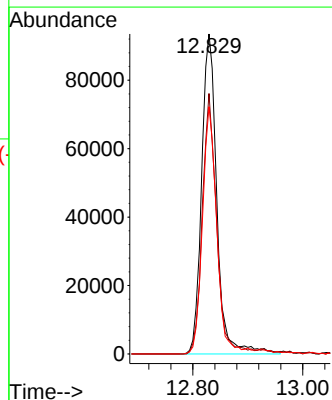
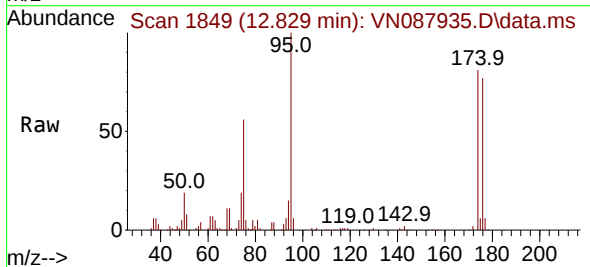
Instrument :
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VN0924WBL01

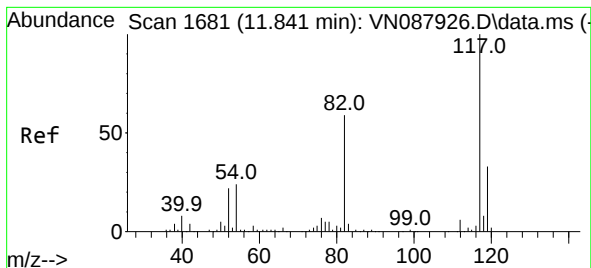
Tgt Ion: 98 Resp: 532842
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.531 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 95 Resp: 179923
Ion Ratio Lower Upper
95 100
174 76.0 0.0 159.2
176 72.4 0.0 152.6

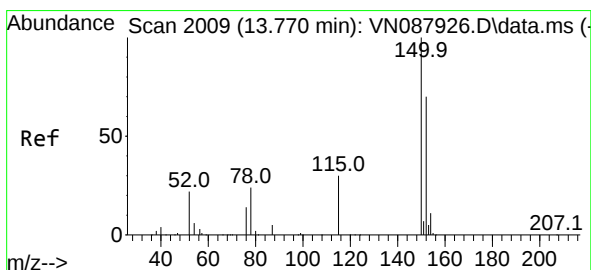
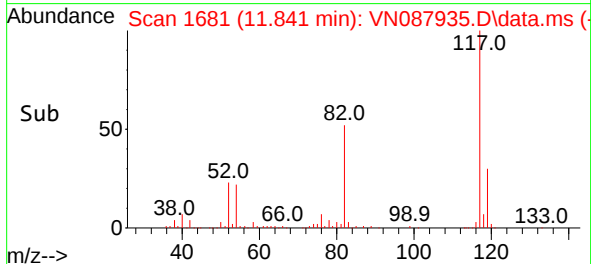
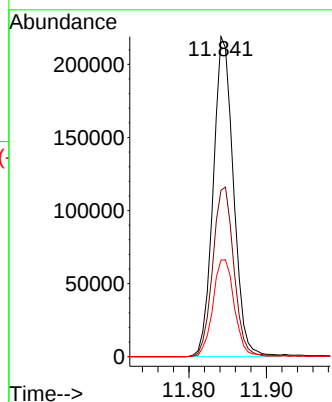
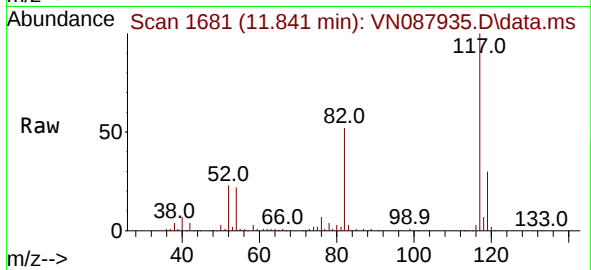




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBL01

Tgt Ion:117 Resp: 397836
Ion Ratio Lower Upper
117 100
82 52.0 47.0 70.4
119 30.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion:152 Resp: 185471
Ion Ratio Lower Upper
152 100
115 59.8 29.9 89.7
150 163.2 0.0 335.0

