

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
 Data File : VN087978.D
 Acq On : 29 Sep 2025 13:30
 Operator : JC\MD
 Sample : VN0929MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0929MBL01

Quant Time: Sep 30 03:53:21 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	8.212	168	188252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	418838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	416015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	192822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	198928	62.790	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.580%#	
35) Dibromofluoromethane	8.147	113	157308	51.729	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.460%	
50) Toluene-d8	10.547	98	538028	50.311	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.620%	
62) 4-Bromofluorobenzene	12.829	95	183567	48.022	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.040%	

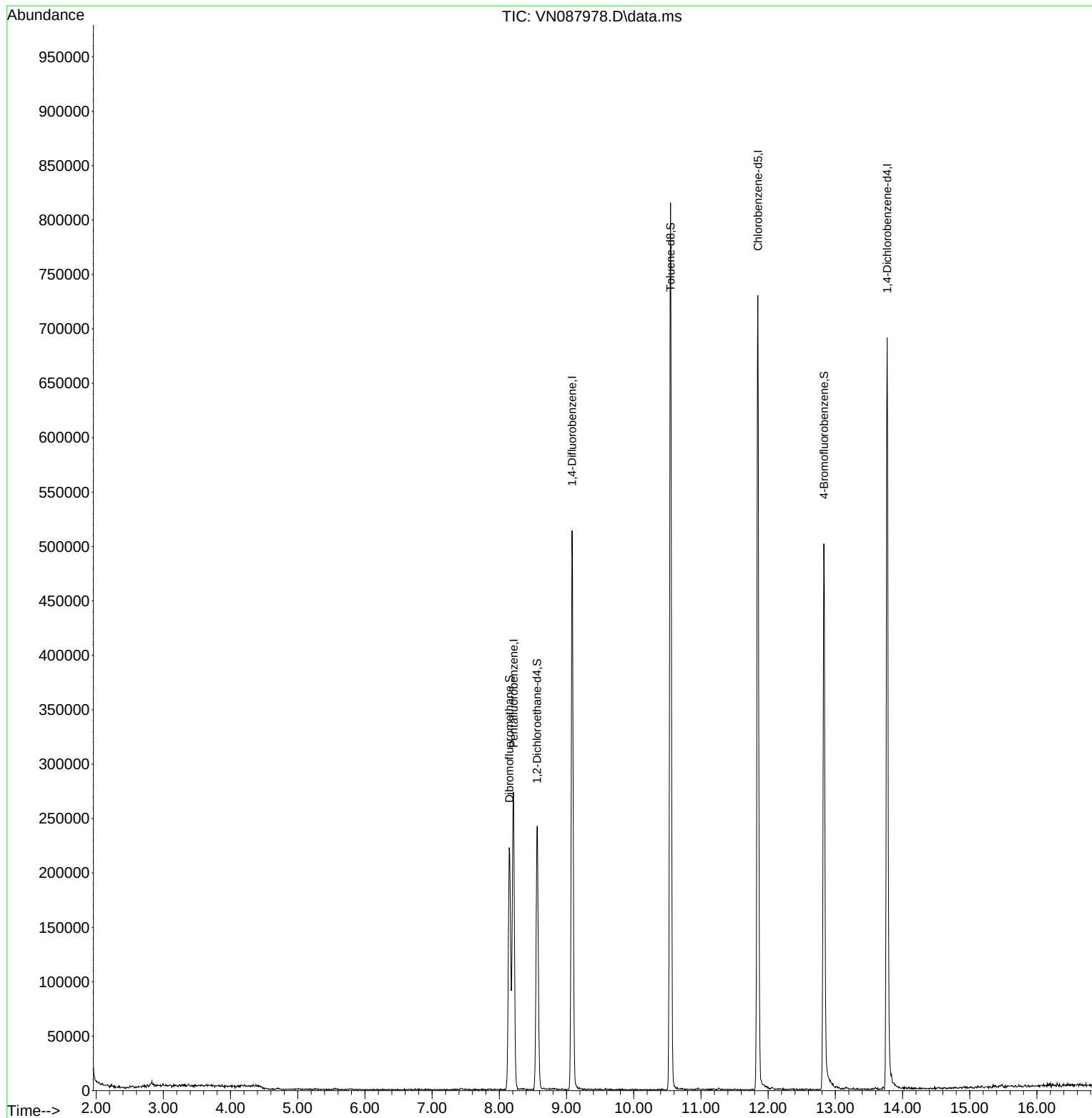
Target Compounds	Qvalue

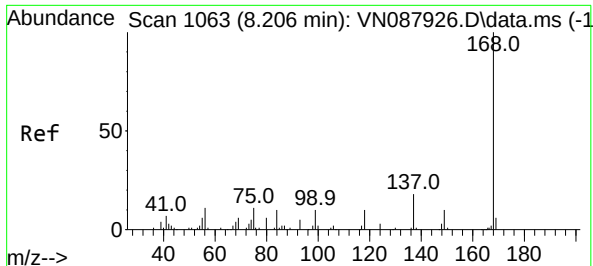
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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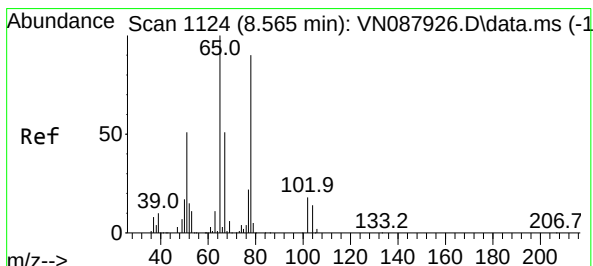
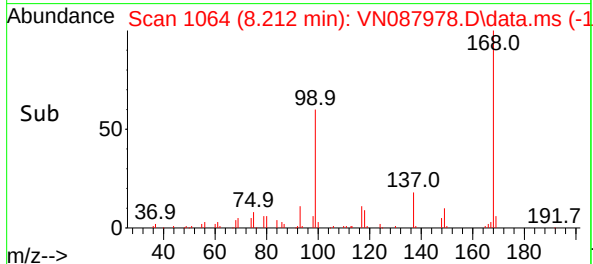
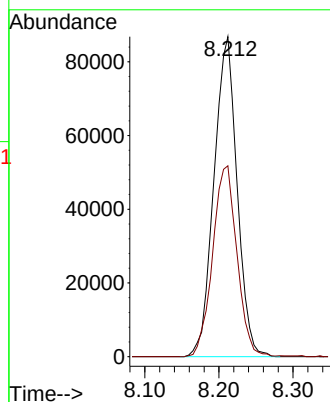
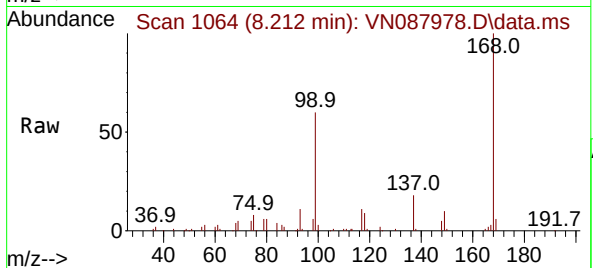




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087978.D
Acq: 29 Sep 2025 13:30

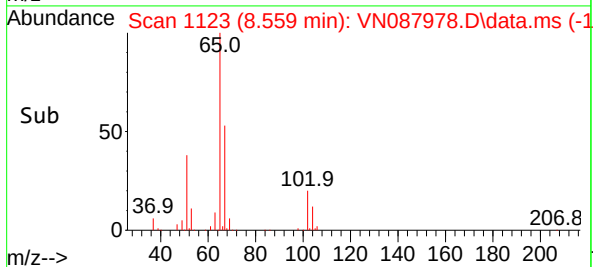
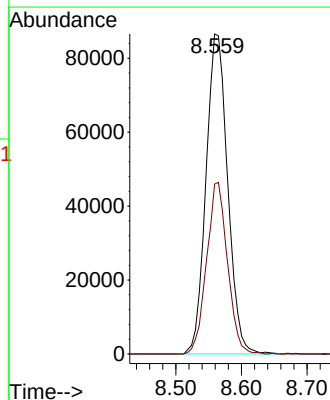
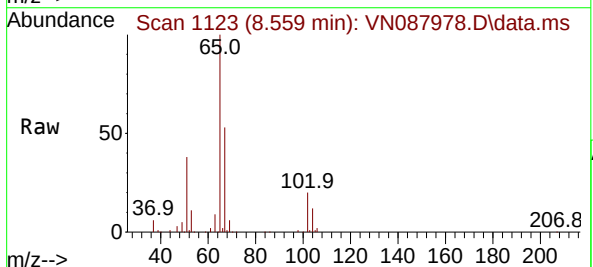
Instrument :
MSVOA_N
ClientSampleId :
VN0929MBL01

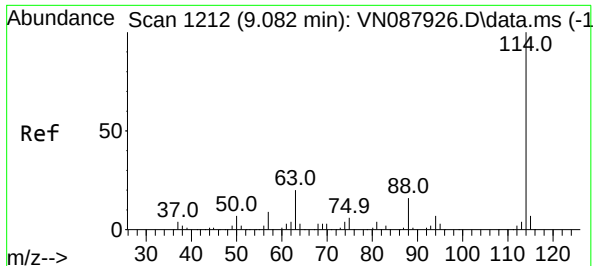
Tgt Ion:168 Resp: 188252
Ion Ratio Lower Upper
168 100
99 59.6 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 62.790 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087978.D
Acq: 29 Sep 2025 13:30

Tgt Ion: 65 Resp: 198928
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087978.D

Acq: 29 Sep 2025 13:30

Instrument :

MSVOA_N

ClientSampleId :

VN0929MBL01

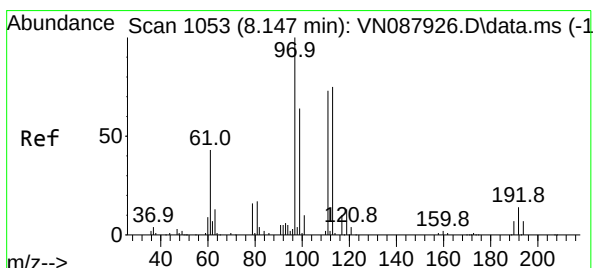
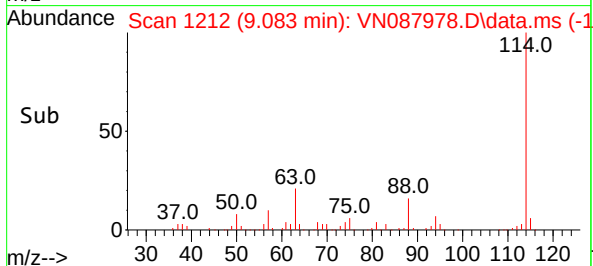
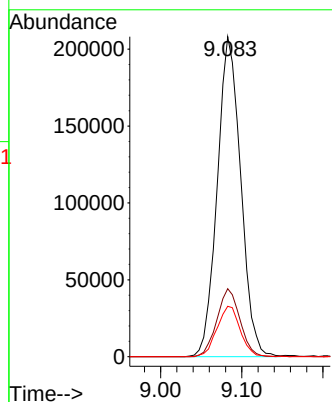
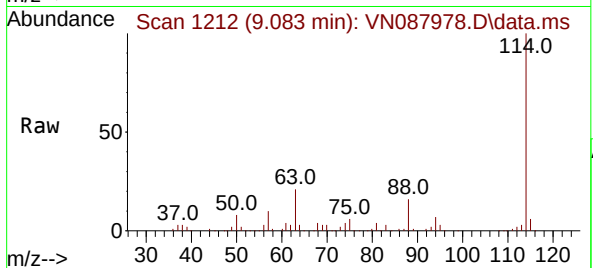
Tgt Ion:114 Resp: 418838

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.0

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.729 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087978.D

Acq: 29 Sep 2025 13:30

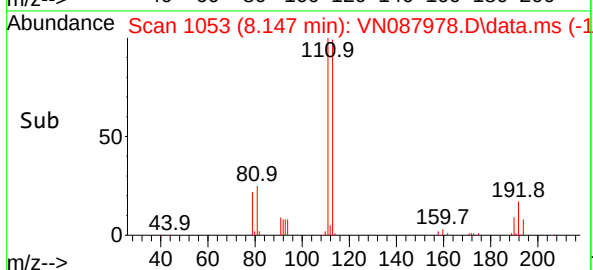
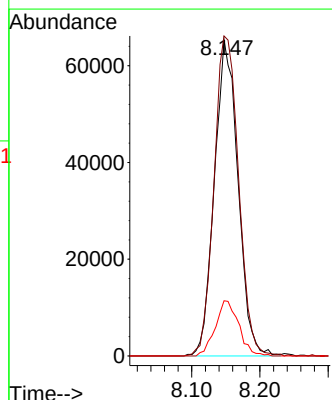
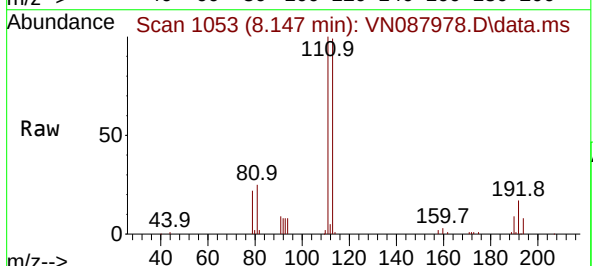
Tgt Ion:113 Resp: 157308

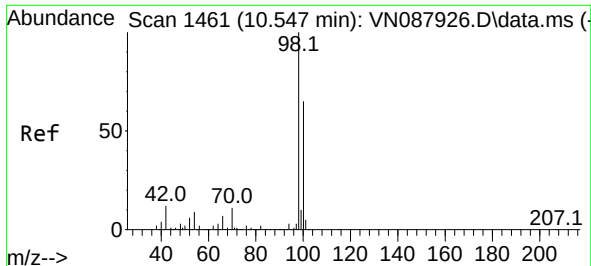
Ion Ratio Lower Upper

113 100

111 105.3 82.2 123.2

192 17.4 14.2 21.2

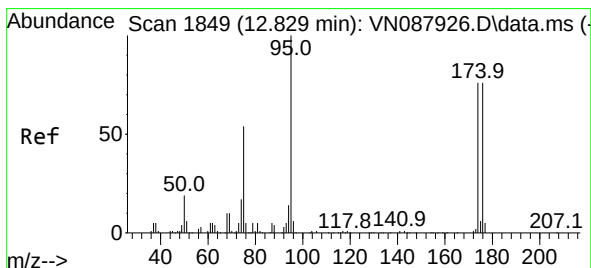
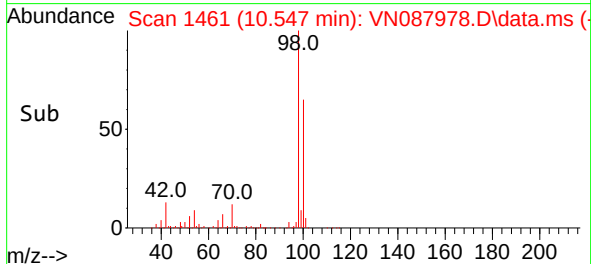
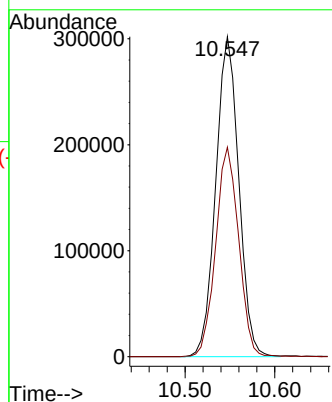
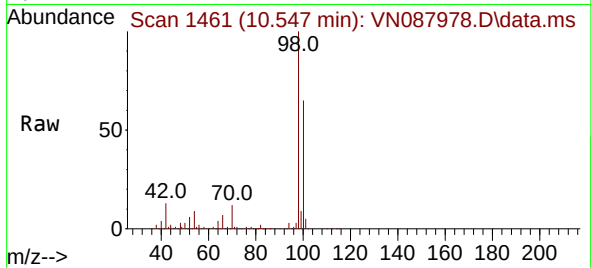




#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087978.D
Acq: 29 Sep 2025 13:30

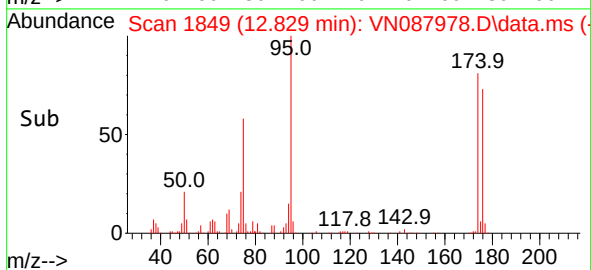
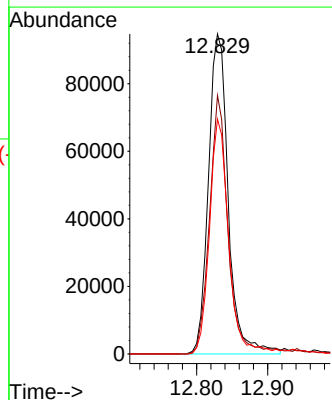
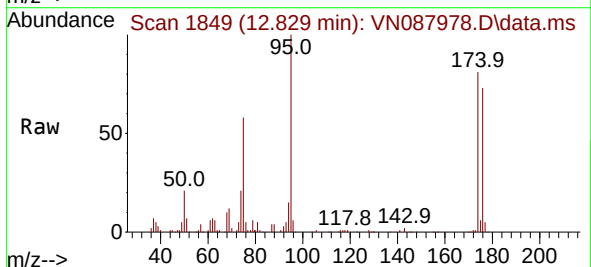
Instrument :
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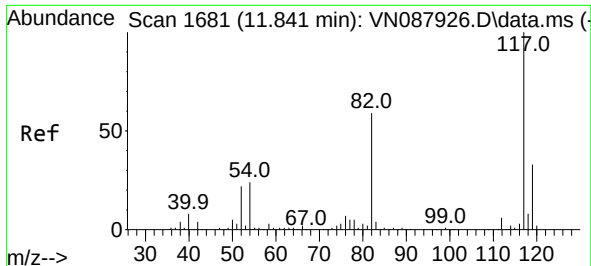
Tgt Ion: 98 Resp: 538028
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.022 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087978.D
Acq: 29 Sep 2025 13:30

Tgt Ion: 95 Resp: 183567
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.2
176 71.1 0.0 152.6

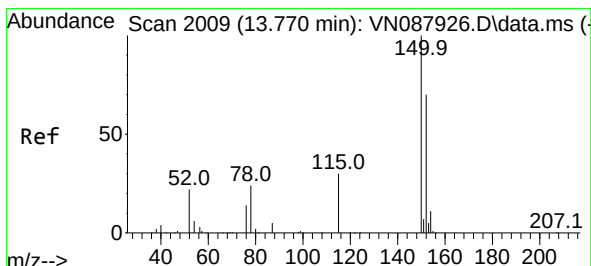
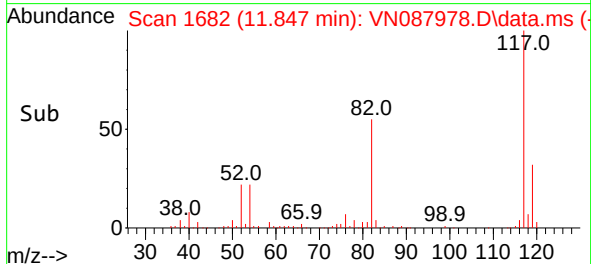
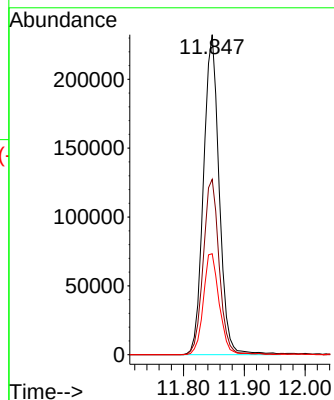
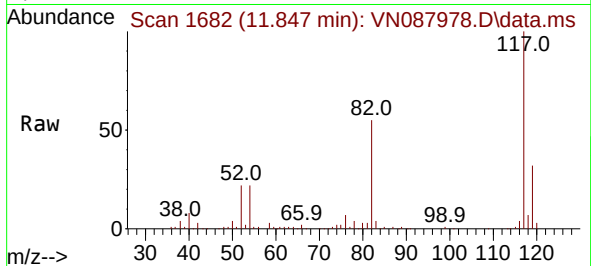




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN087978.D
Acq: 29 Sep 2025 13:30

Instrument :
MSVOA_N
ClientSampleId :
VN0929MBL01

Tgt Ion:117 Resp: 416015
Ion Ratio Lower Upper
117 100
82 54.8 47.0 70.4
119 31.6 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: VN087978.D
Acq: 29 Sep 2025 13:30

Tgt Ion:152 Resp: 192822
Ion Ratio Lower Upper
152 100
115 64.0 29.9 89.7
150 160.4 0.0 335.0

