

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088372.D
 Acq On : 01 Dec 2025 10:53
 Operator : JC\MD
 Sample : VN1201WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1201WBL01

Quant Time: Dec 02 00:09:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	188076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	435319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	418422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	198799	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204928	57.841	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.680%
35) Dibromofluoromethane	8.147	113	157356	52.161	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.320%
50) Toluene-d8	10.541	98	561082	49.987	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.980%
62) 4-Bromofluorobenzene	12.829	95	201912	52.426	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.860%

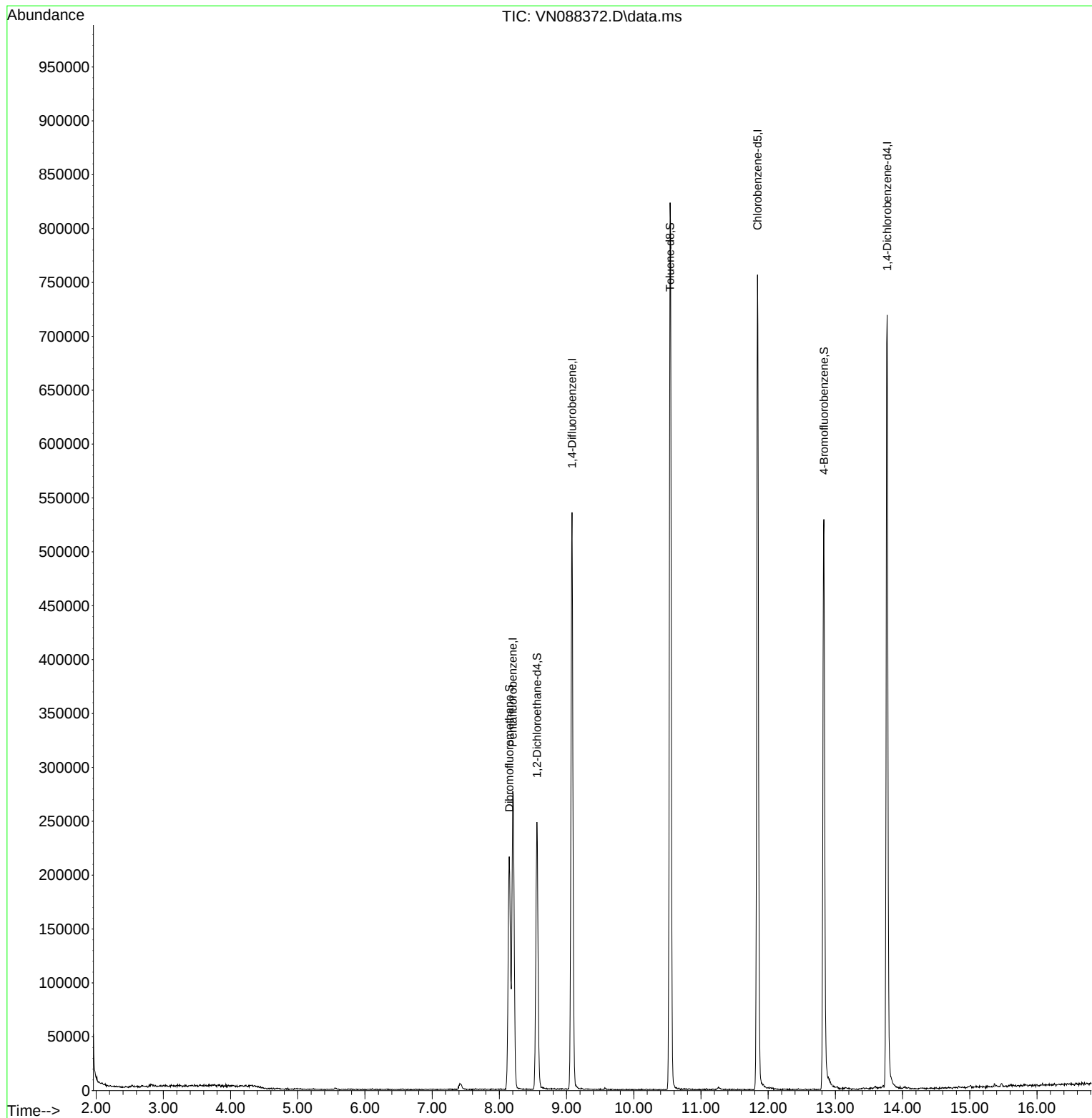
Target Compounds	Qvalue

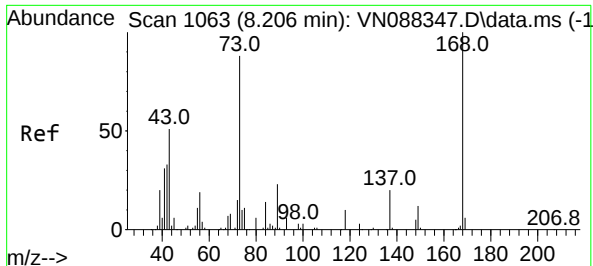
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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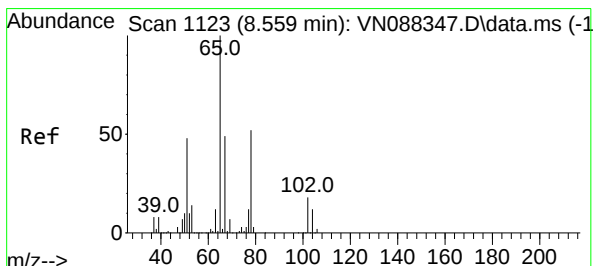
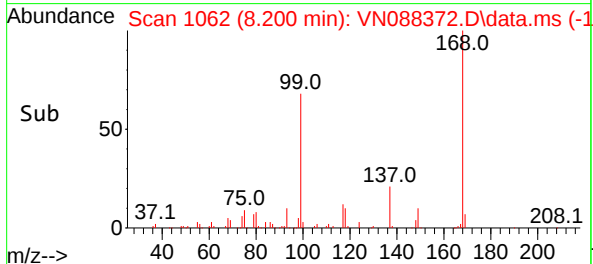
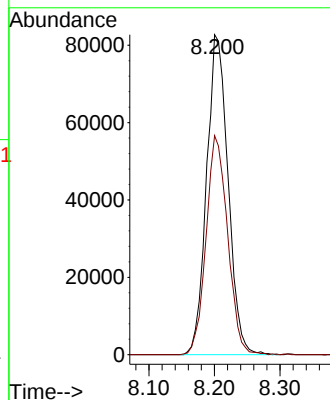
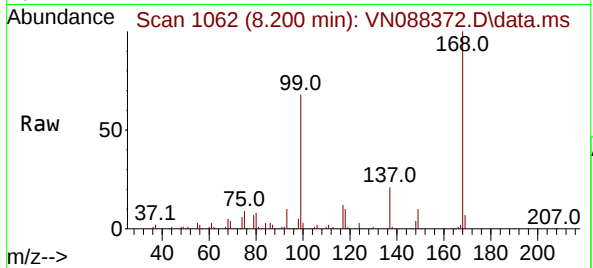




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

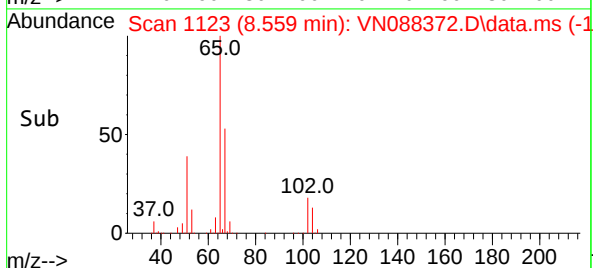
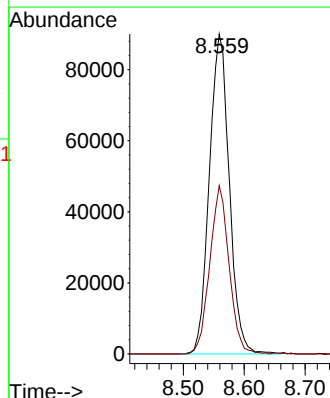
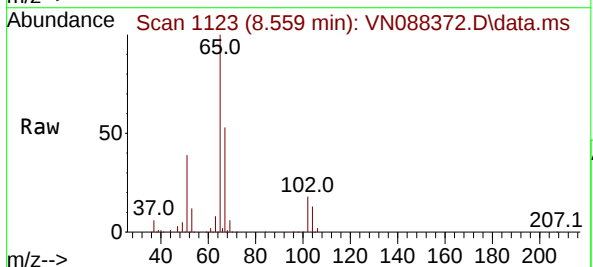
Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

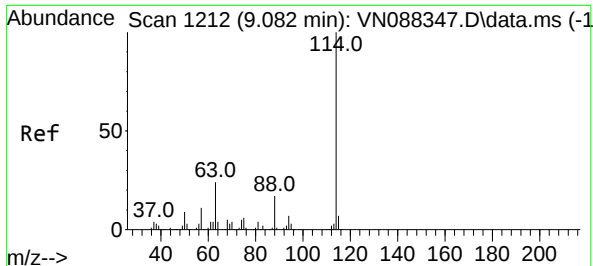
Tgt Ion:168 Resp: 188076
Ion Ratio Lower Upper
168 100
99 68.5 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 57.841 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion: 65 Resp: 204928
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN1201WBL01

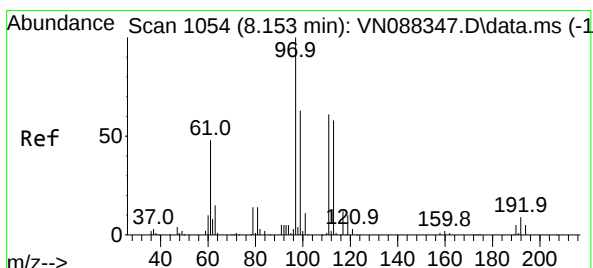
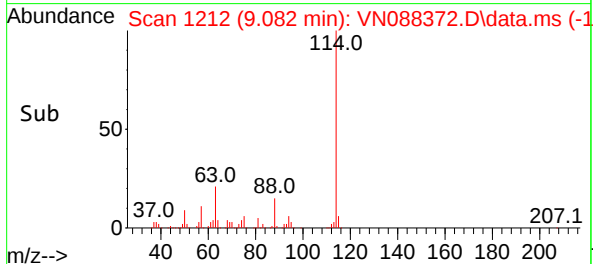
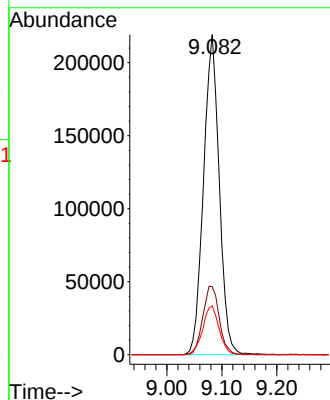
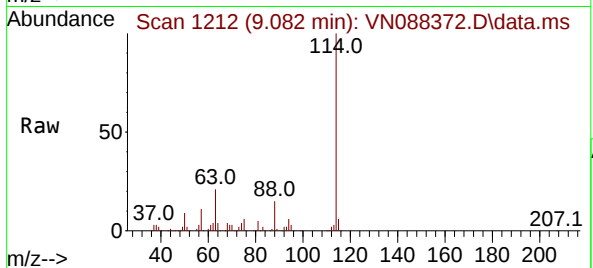
Tgt Ion:114 Resp: 435319

Ion Ratio Lower Upper

114 100

63 21.3 0.0 49.0

88 15.3 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.161 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

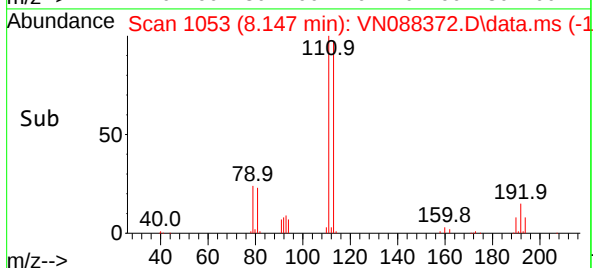
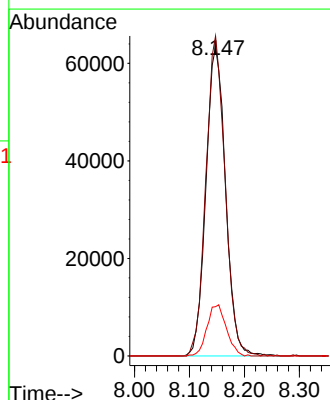
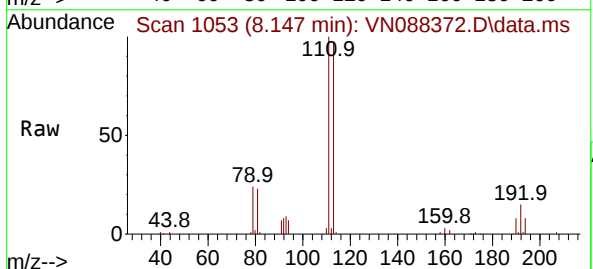
Tgt Ion:113 Resp: 157356

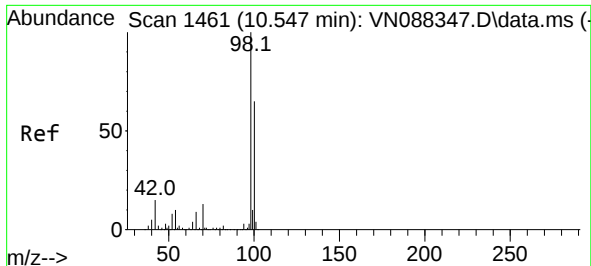
Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

192 16.3 12.8 19.2

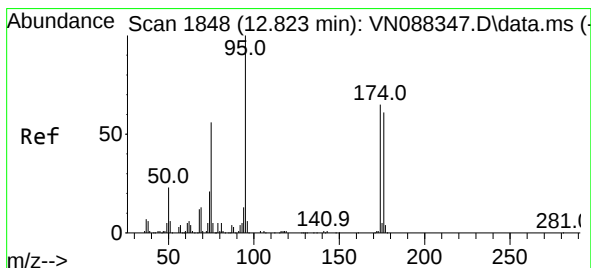
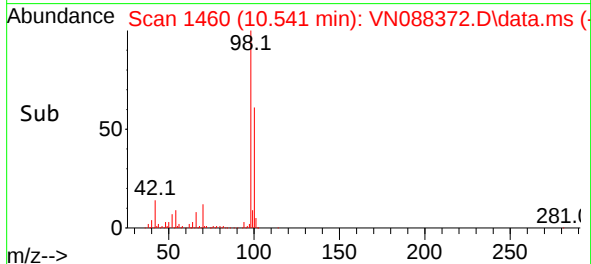
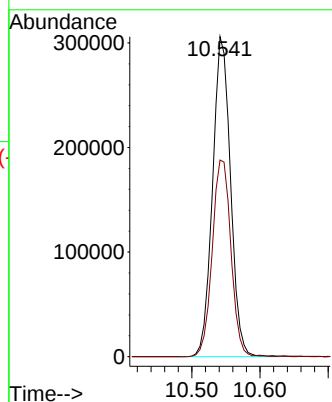
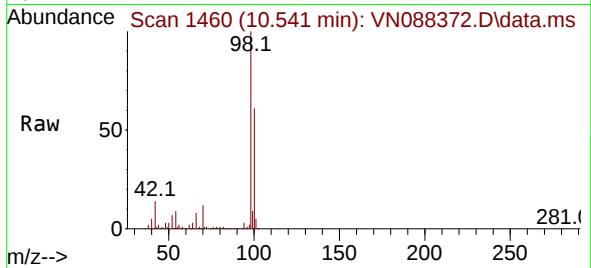




#50
Toluene-d8
Concen: 49.987 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

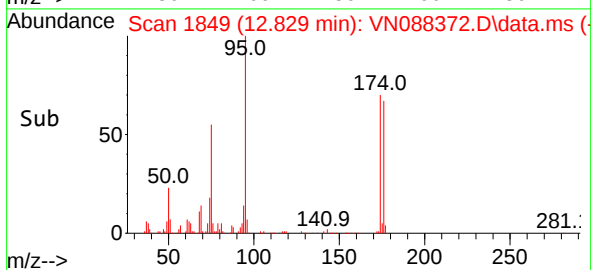
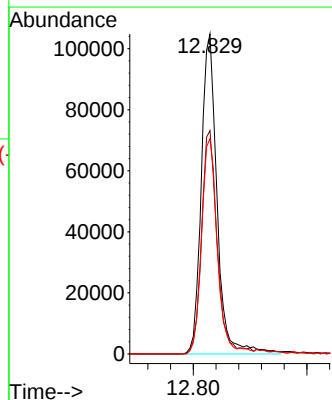
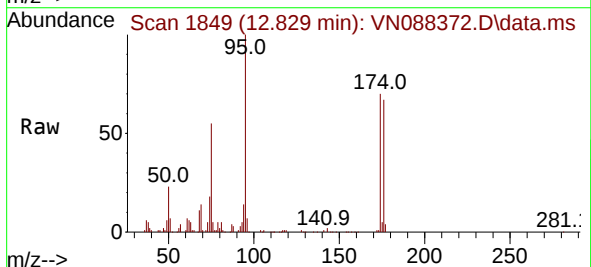
Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

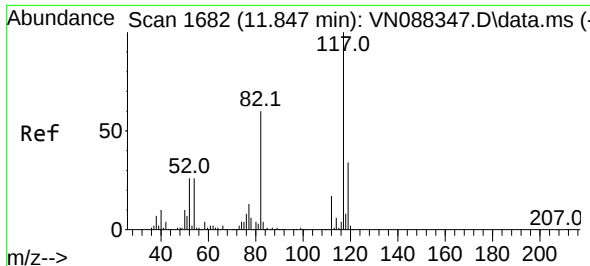
Tgt Ion: 98 Resp: 561082
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 52.426 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion: 95 Resp: 201912
Ion Ratio Lower Upper
95 100
174 69.2 0.0 139.0
176 67.0 0.0 132.4

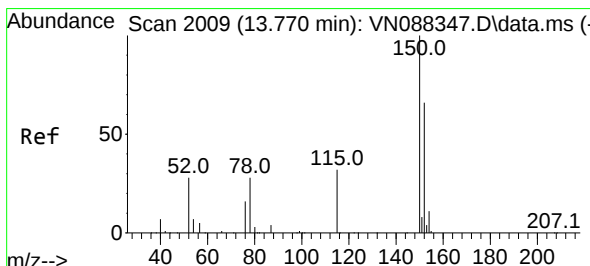
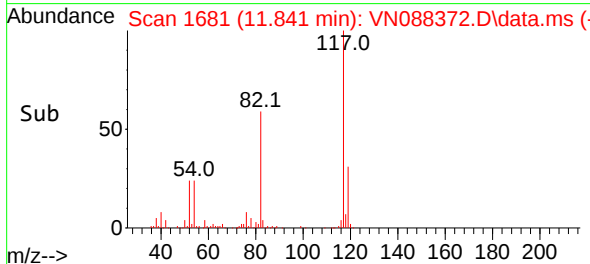
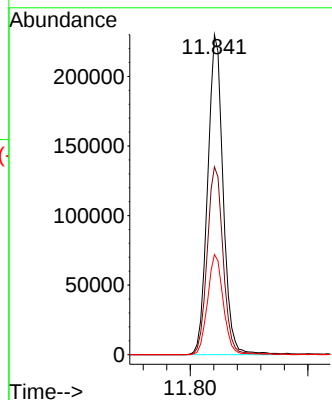
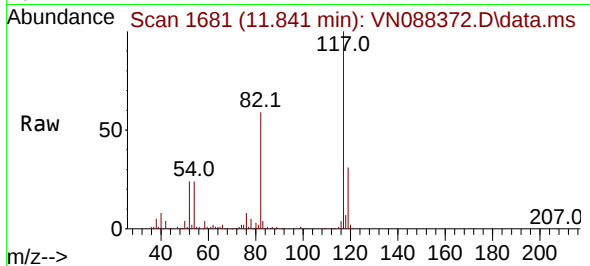




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Tgt Ion:117 Resp: 418422
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 31.3 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion:152 Resp: 198799
Ion Ratio Lower Upper
152 100
115 62.5 33.0 98.9
150 156.8 0.0 349.0

