

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088472.D
 Acq On : 09 Dec 2025 11:21
 Operator : JC\MD
 Sample : VN1209MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209MBL01

Quant Time: Dec 10 05:03:42 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	8.206	168	179224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	426527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	423766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	191763	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	227119	67.270	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	134.540%#
35) Dibromofluoromethane	8.147	113	160599	54.333	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.660%
50) Toluene-d8	10.541	98	563165	51.206	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.420%
62) 4-Bromofluorobenzene	12.823	95	203769	53.999	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.000%

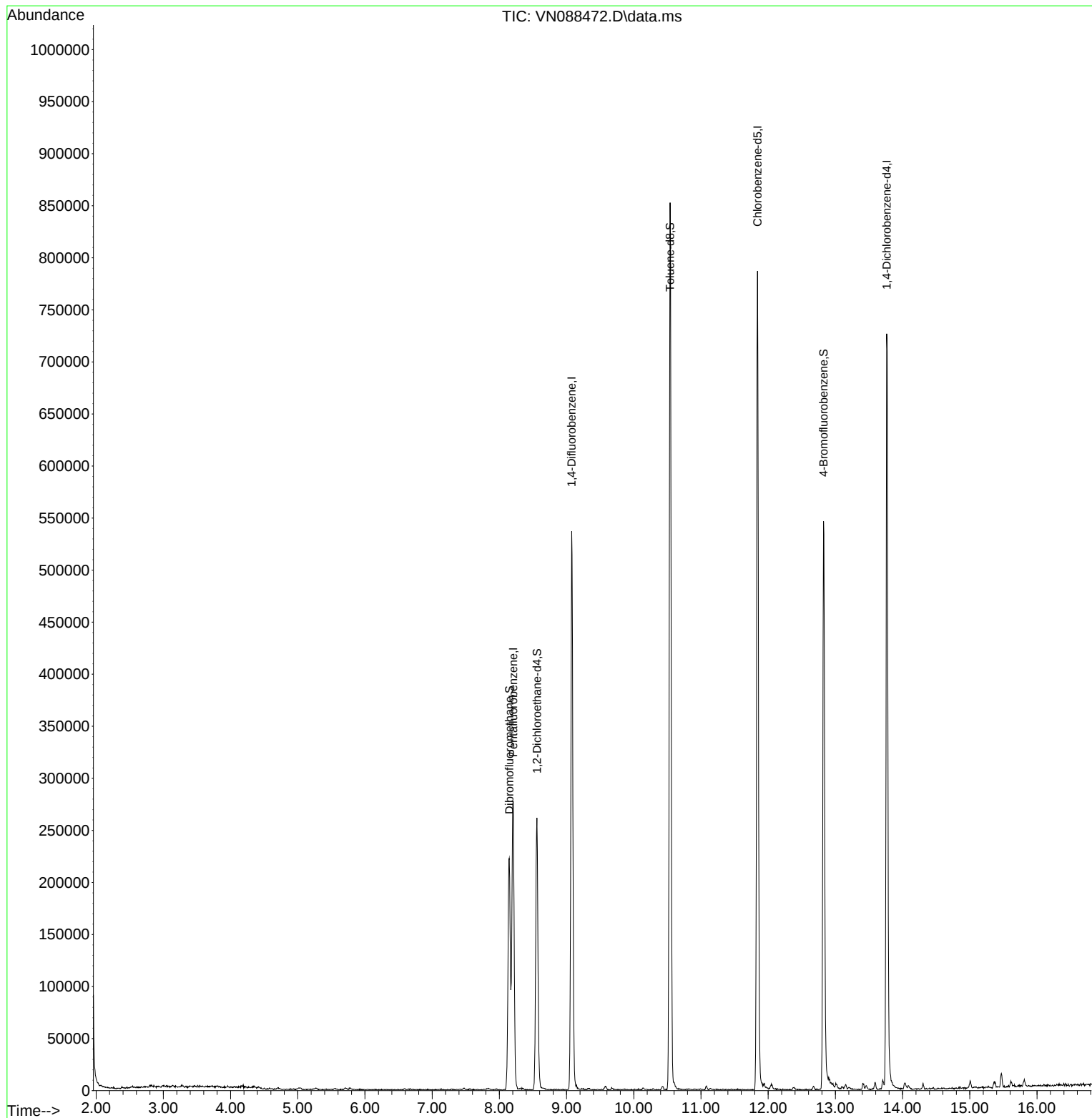
Target Compounds	Qvalue

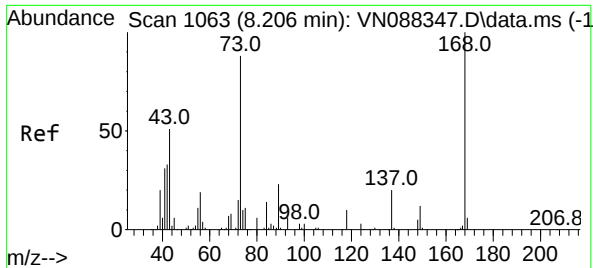
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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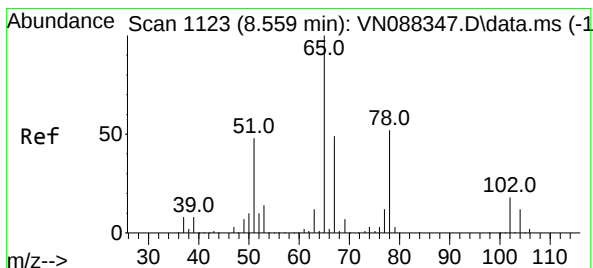
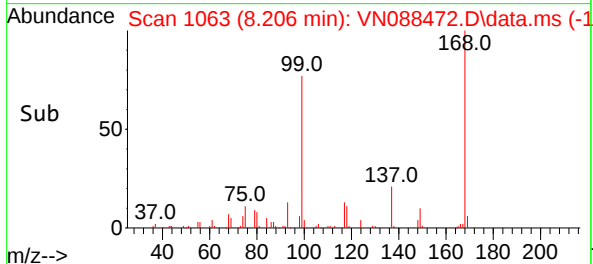
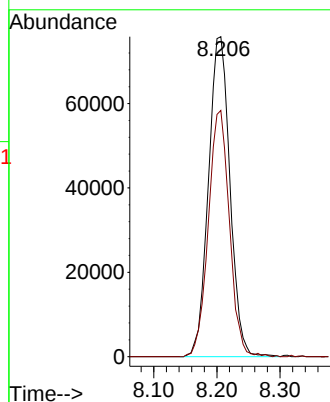
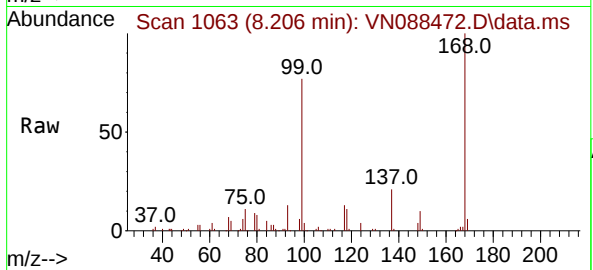




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

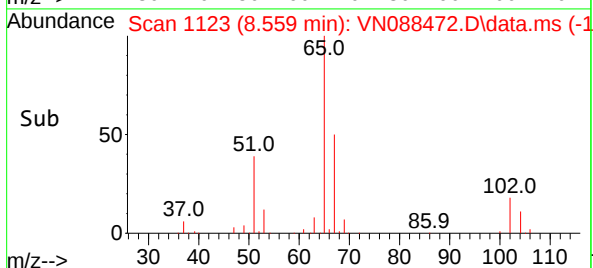
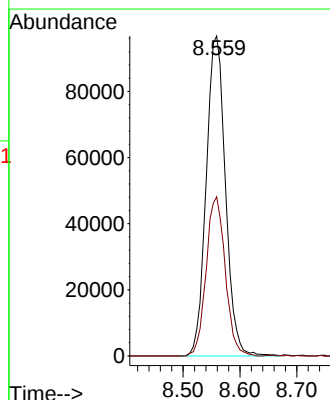
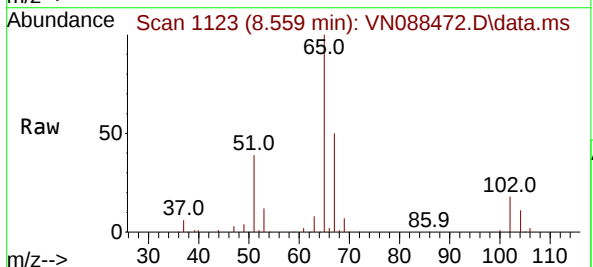
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

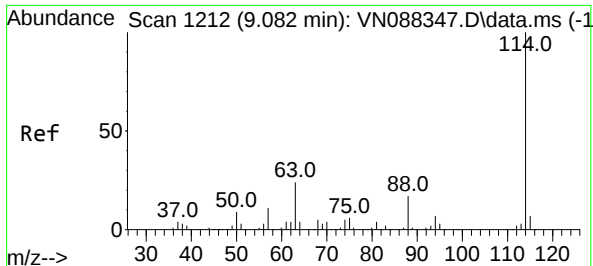
Tgt Ion:168 Resp: 179224
Ion Ratio Lower Upper
168 100
99 77.0 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 67.270 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Tgt Ion: 65 Resp: 227119
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088472.D

Acq: 09 Dec 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBL01

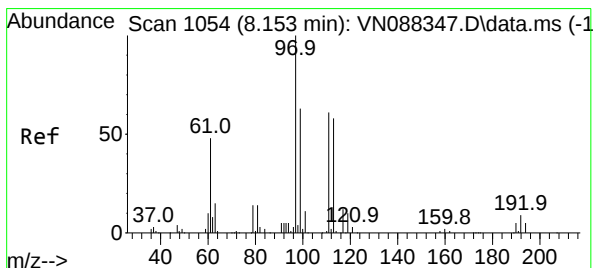
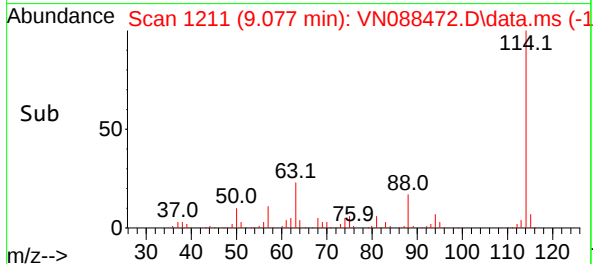
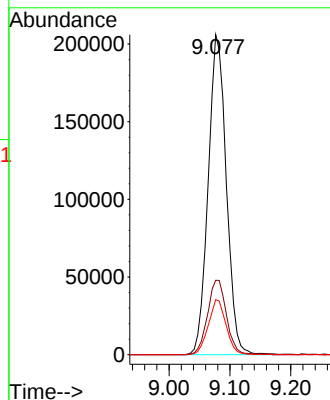
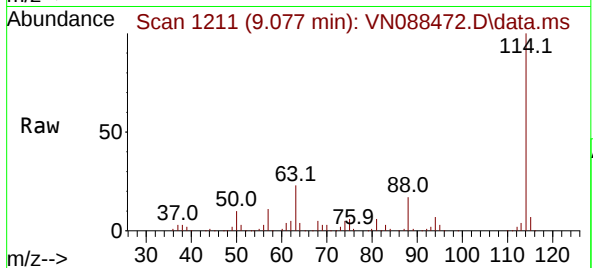
Tgt Ion:114 Resp: 426527

Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.0

88 17.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 54.333 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088472.D

Acq: 09 Dec 2025 11:21

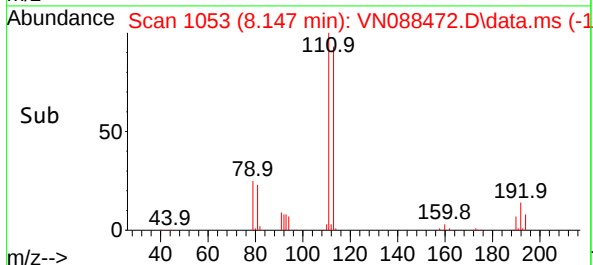
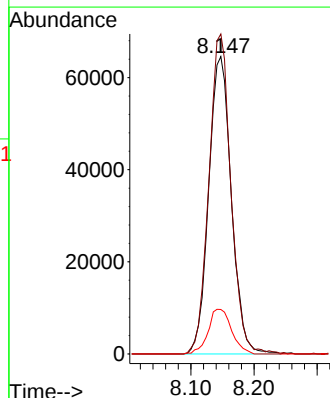
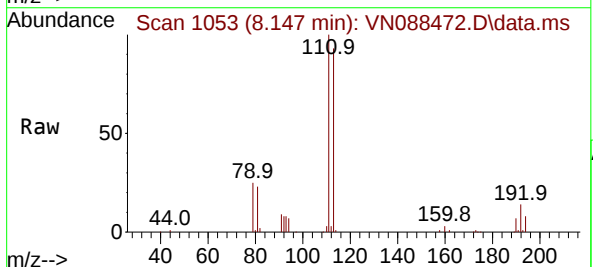
Tgt Ion:113 Resp: 160599

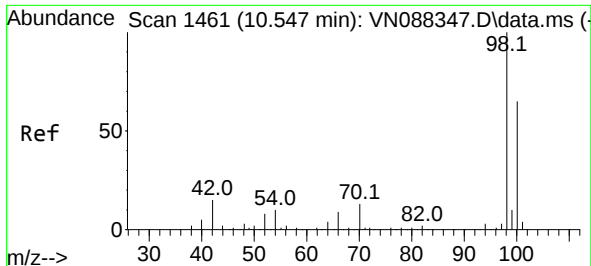
Ion Ratio Lower Upper

113 100

111 104.9 82.5 123.7

192 15.6 12.8 19.2

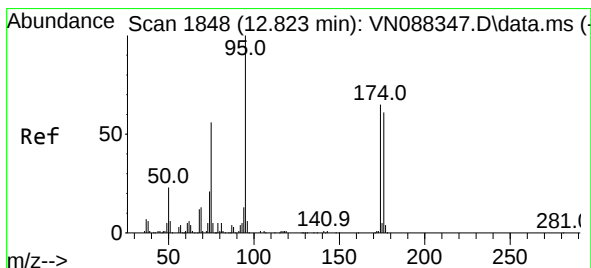
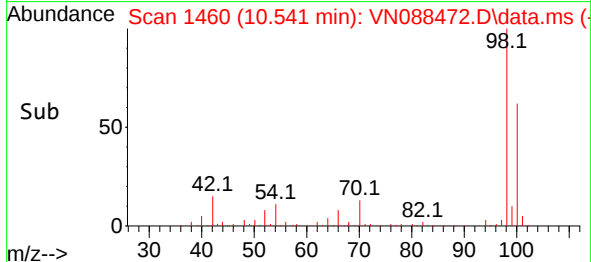
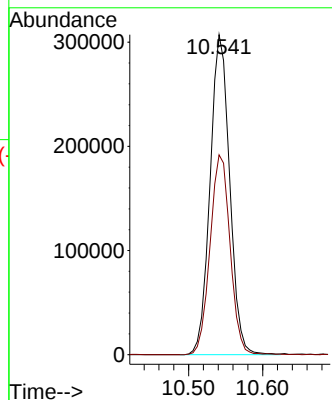
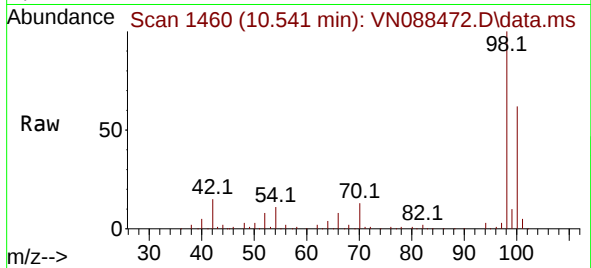




#50
Toluene-d8
Concen: 51.206 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

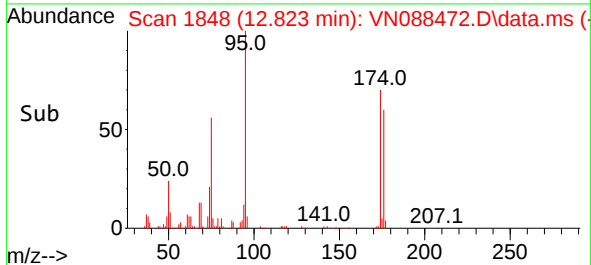
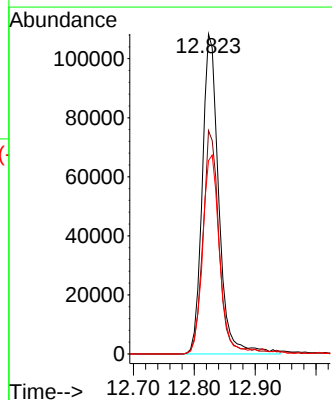
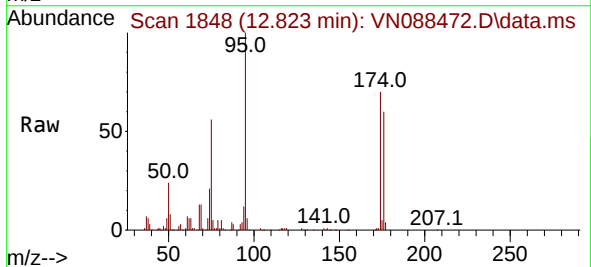
Instrument :
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VN1209MBL01

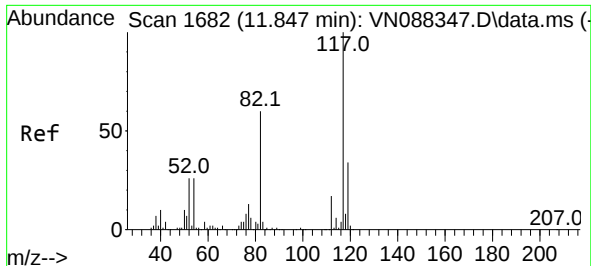
Tgt Ion: 98 Resp: 563165
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 53.999 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Tgt Ion: 95 Resp: 203769
Ion Ratio Lower Upper
95 100
174 68.5 0.0 139.0
176 63.5 0.0 132.4

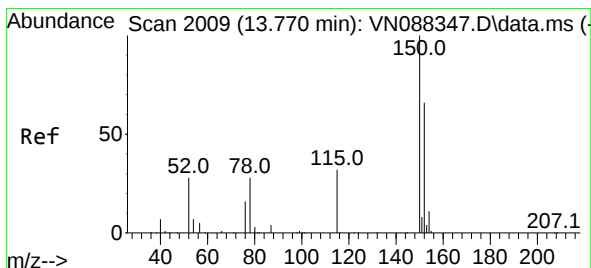
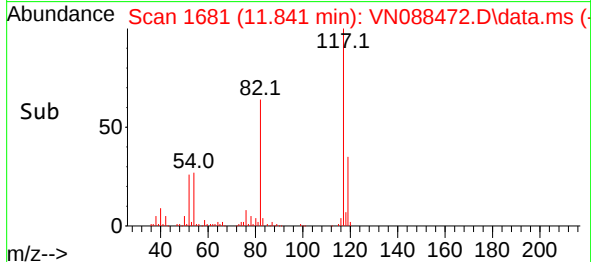
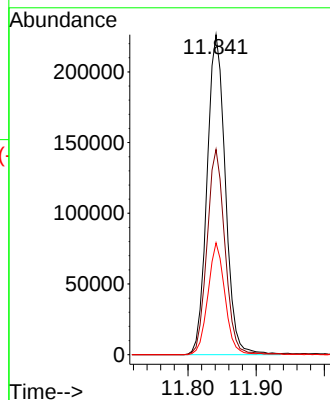
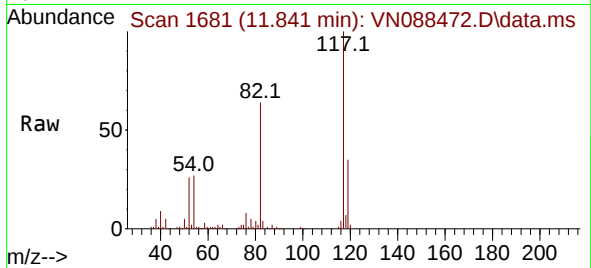




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBL01

Tgt Ion:117 Resp: 423766
Ion Ratio Lower Upper
117 100
82 64.2 47.8 71.8
119 35.0 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VN088472.D
Acq: 09 Dec 2025 11:21

Tgt Ion:152 Resp: 191763
Ion Ratio Lower Upper
152 100
115 65.5 33.0 98.9
150 158.4 0.0 349.0

