

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088441.D
 Acq On : 04 Dec 2025 13:31
 Operator : JC\MD
 Sample : Q3768-01
 Misc : 4.95g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20071

Quant Time: Dec 05 00:13:52 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	172498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	399074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	377180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	178991	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	216201	66.533	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	133.060%#
35) Dibromofluoromethane	8.141	113	149115	53.918	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.840%
50) Toluene-d8	10.541	98	531691	51.670	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.340%
62) 4-Bromofluorobenzene	12.829	95	186503	52.823	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.640%

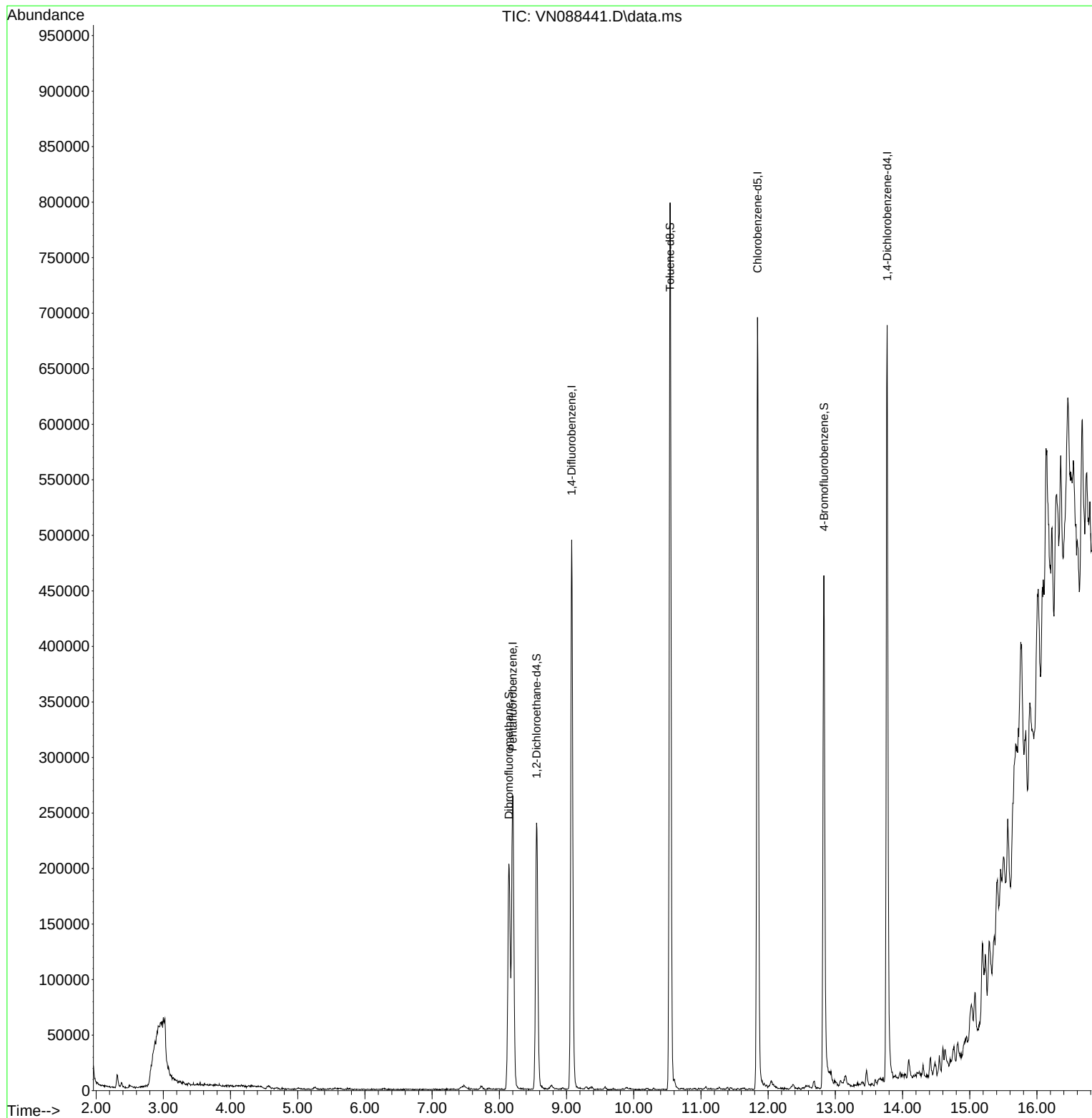
Target Compounds	Qvalue

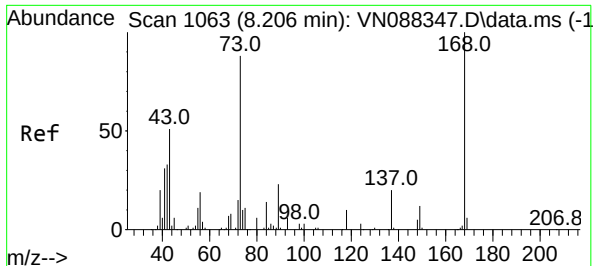
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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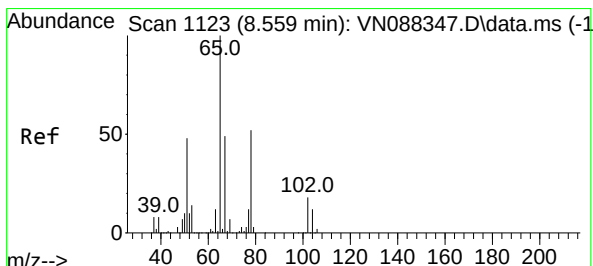
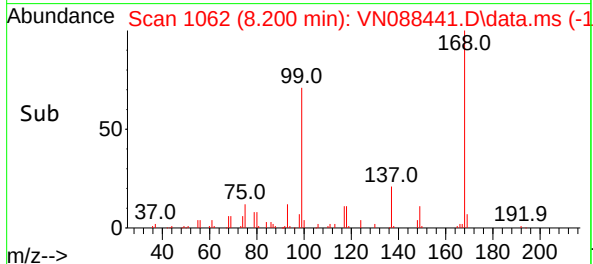
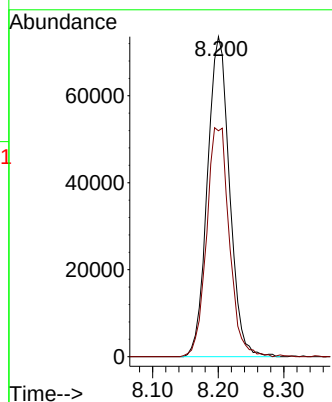
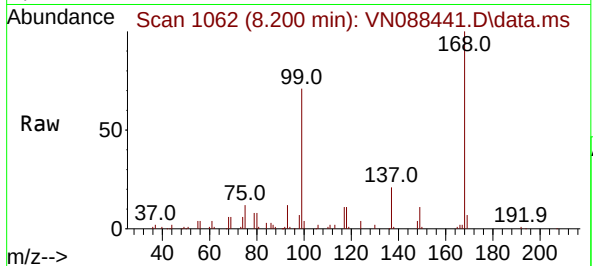




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 110
Delta R.T. -0.006 min
Lab File: VN088441.D
Acq: 04 Dec 2025 13:31

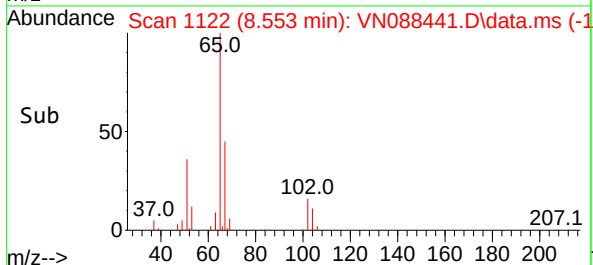
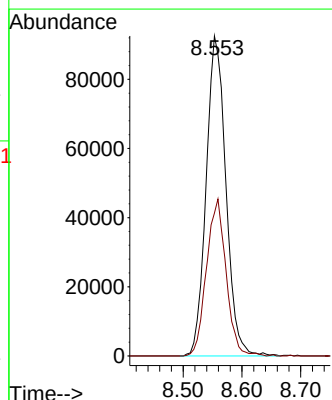
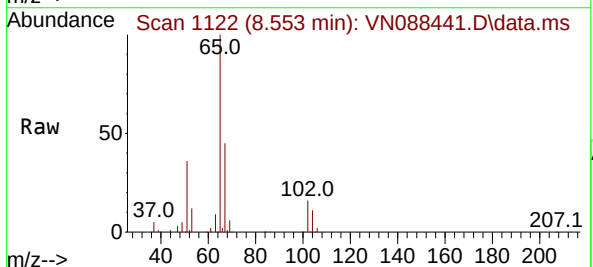
Instrument :
MSVOA_N
ClientSampleId :
20071

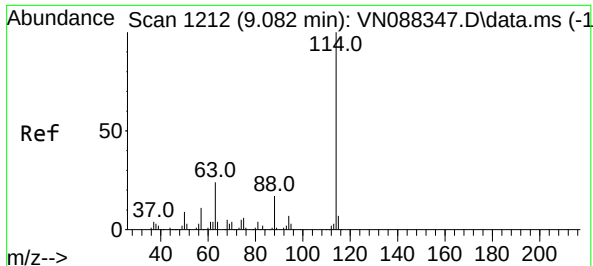
Tgt Ion:168 Resp: 172498
Ion Ratio Lower Upper
168 100
99 70.6 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 66.533 ug/l
RT: 8.553 min Scan# 1122
Delta R.T. -0.006 min
Lab File: VN088441.D
Acq: 04 Dec 2025 13:31

Tgt Ion: 65 Resp: 216201
Ion Ratio Lower Upper
65 100
67 48.6 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: VN088441.D

Acq: 04 Dec 2025 13:31

Instrument :

MSVOA_N

ClientSampleId :

20071

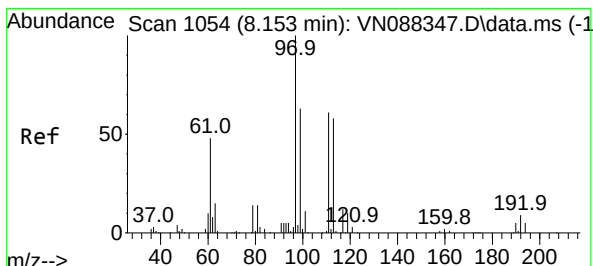
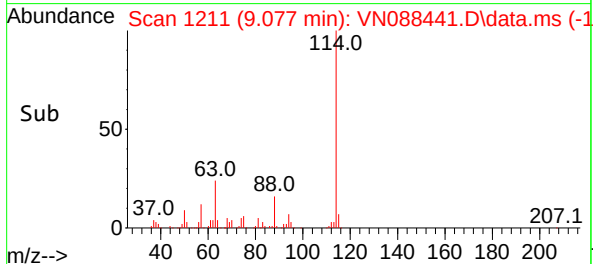
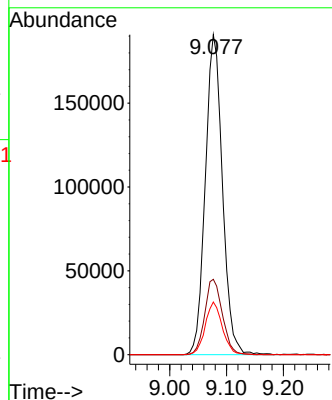
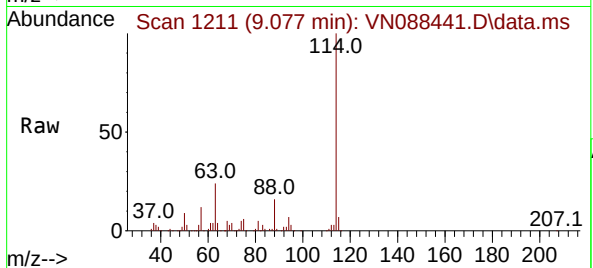
Tgt Ion:114 Resp: 399074

Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.0

88 16.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.918 ug/l

RT: 8.141 min Scan# 1052

Delta R.T. -0.012 min

Lab File: VN088441.D

Acq: 04 Dec 2025 13:31

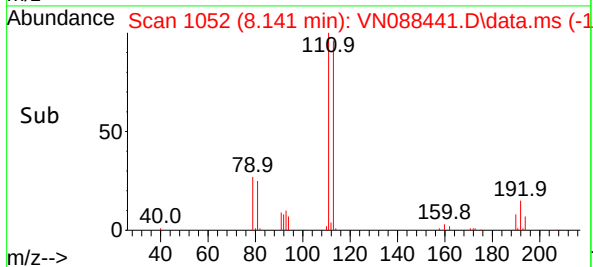
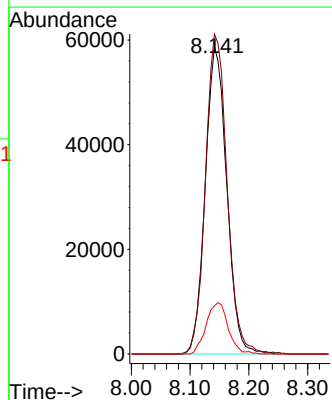
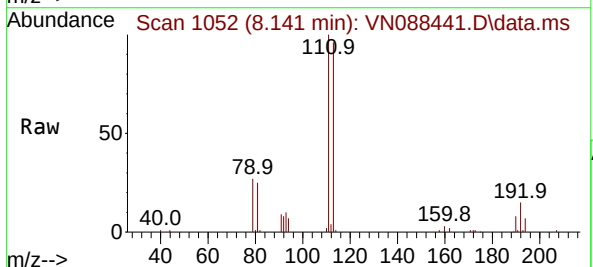
Tgt Ion:113 Resp: 149115

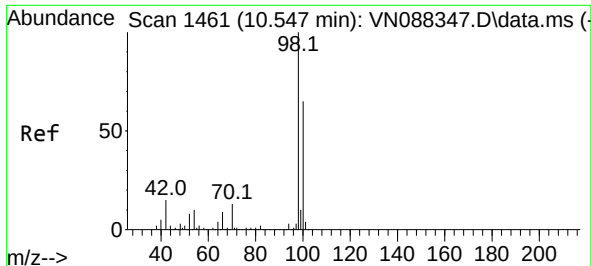
Ion Ratio Lower Upper

113 100

111 104.6 82.5 123.7

192 17.0 12.8 19.2

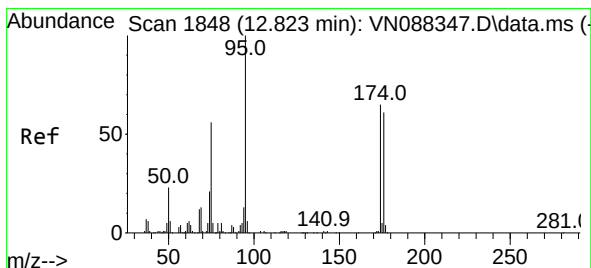
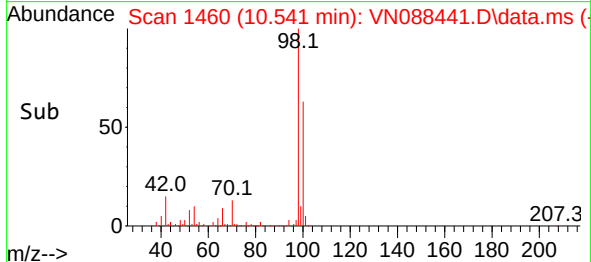
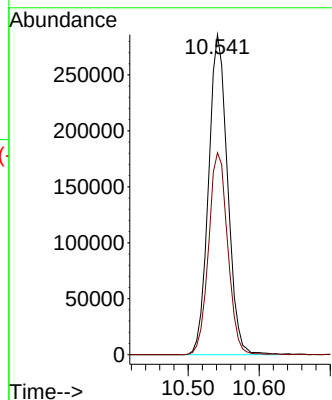
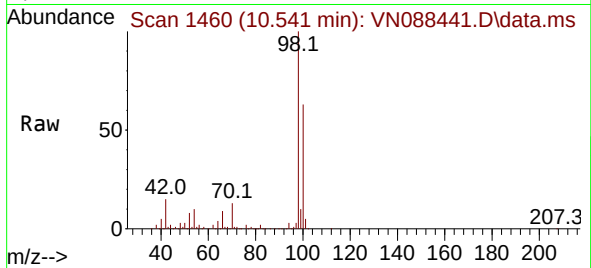




#50
Toluene-d8
Concen: 51.670 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088441.D
Acq: 04 Dec 2025 13:31

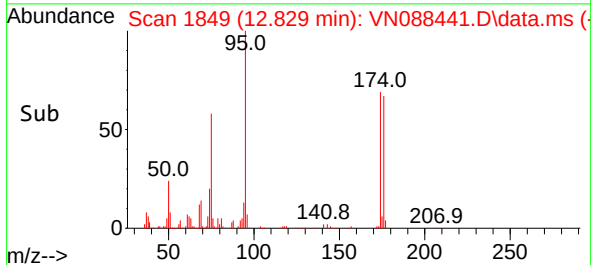
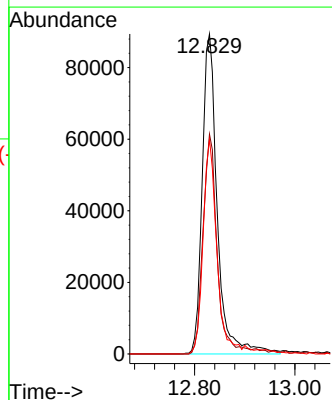
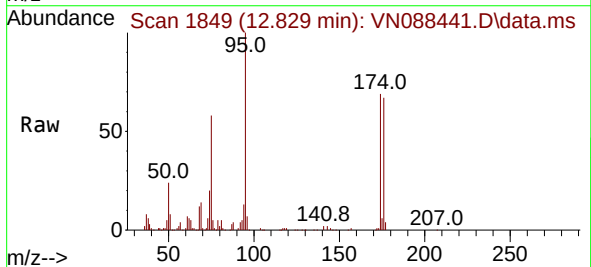
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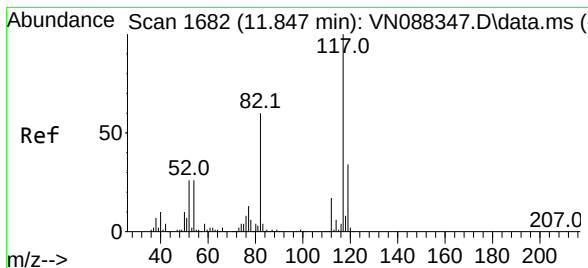
Tgt Ion: 98 Resp: 531691
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 52.823 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088441.D
Acq: 04 Dec 2025 13:31

Tgt Ion: 95 Resp: 186503
Ion Ratio Lower Upper
95 100
174 64.0 0.0 139.0
176 60.9 0.0 132.4

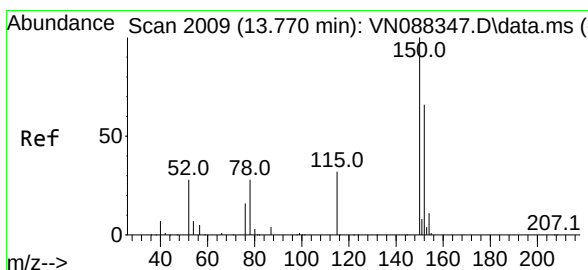
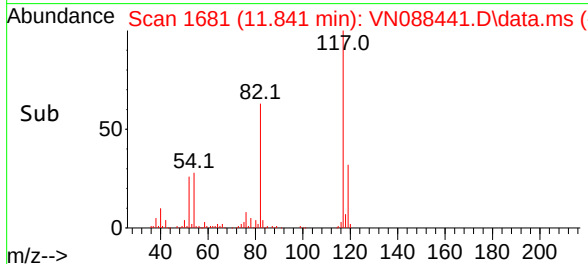
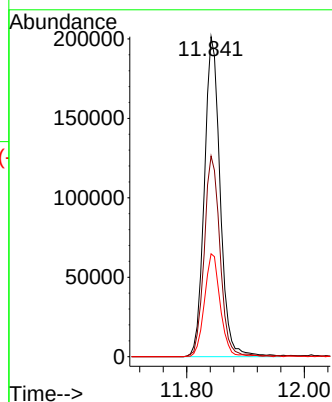
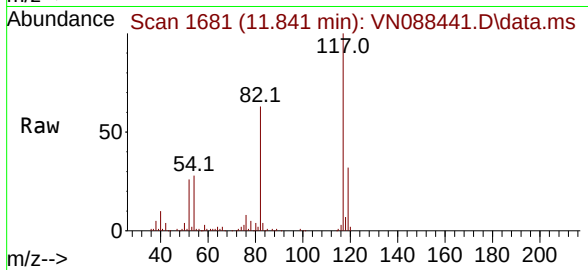




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VN088441.D
Acq: 04 Dec 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
20071

Tgt Ion:117 Resp: 377180
Ion Ratio Lower Upper
117 100
82 62.7 47.8 71.8
119 32.2 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088441.D
Acq: 04 Dec 2025 13:31

Tgt Ion:152 Resp: 178991
Ion Ratio Lower Upper
152 100
115 66.6 33.0 98.9
150 159.0 0.0 349.0

