

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088179.D
 Acq On : 31 Oct 2025 11:55
 Operator : JC\MD
 Sample : Q3447-03 20X
 Misc : 3.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW2-251023-01

Quant Time: Nov 01 00:30:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	241536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	547449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	534253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	265781	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	253555	60.708	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	121.420%
35) Dibromofluoromethane	8.147	113	187546	50.994	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.980%
50) Toluene-d8	10.541	98	711914	50.237	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.480%
62) 4-Bromofluorobenzene	12.829	95	280048	55.957	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.920%

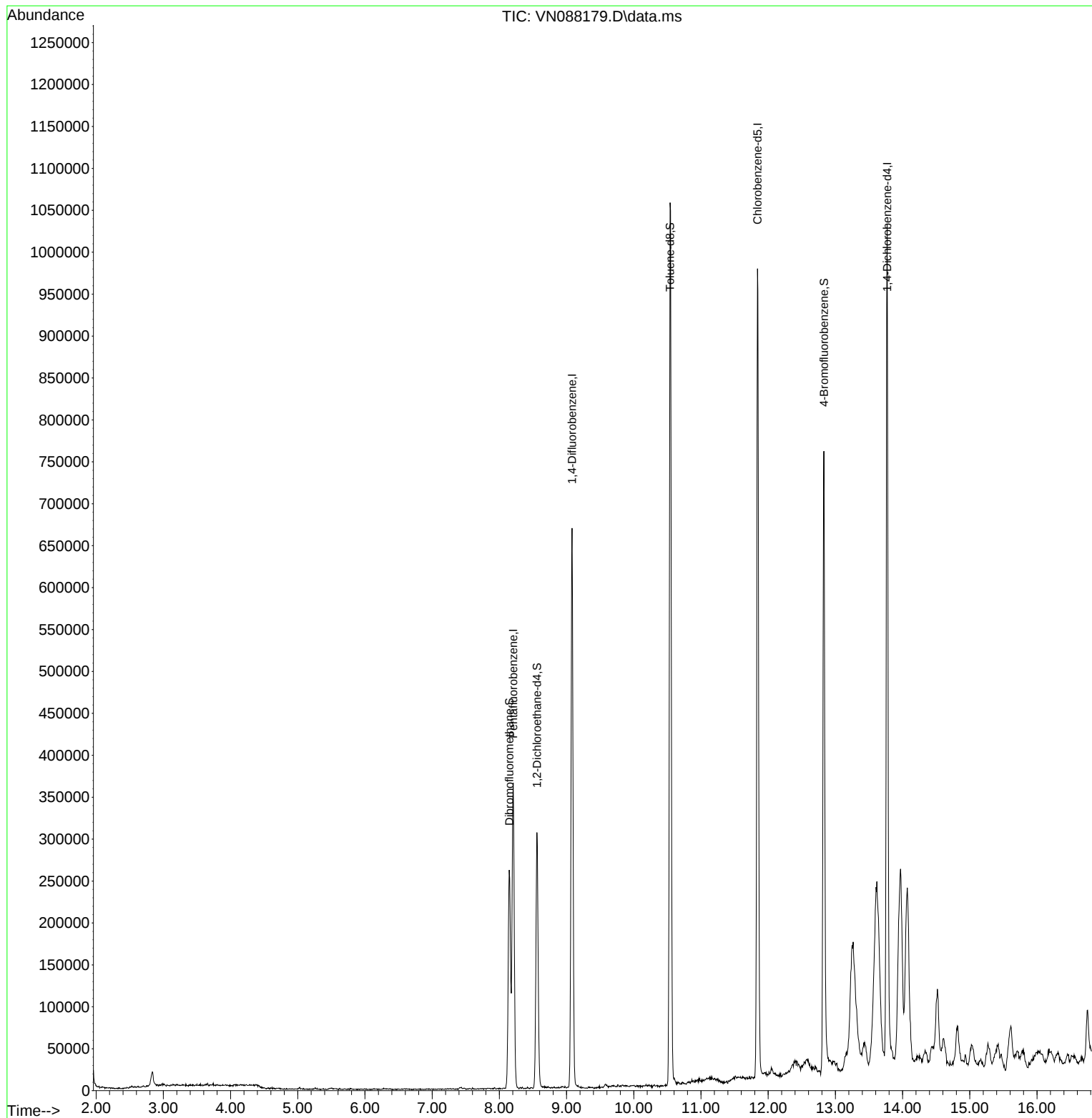
Target Compounds	Qvalue

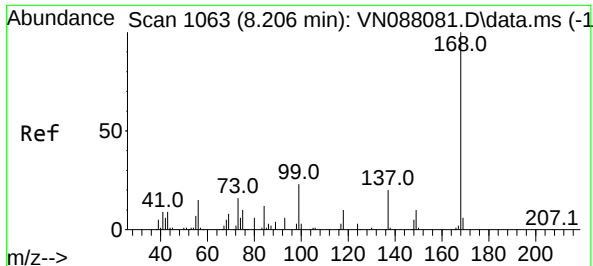
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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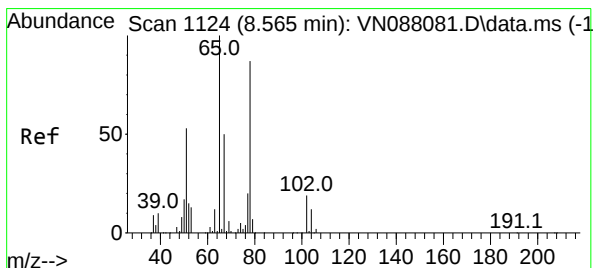
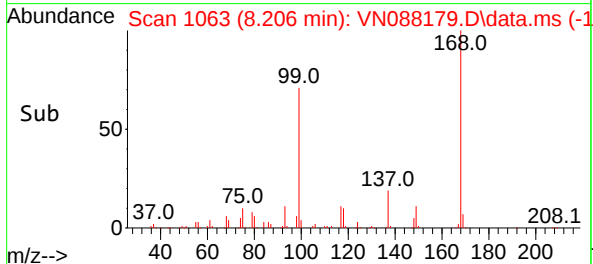
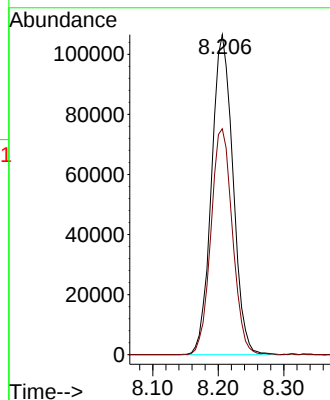
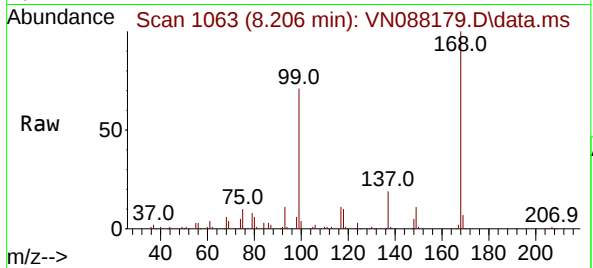




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088179.D
Acq: 31 Oct 2025 11:55

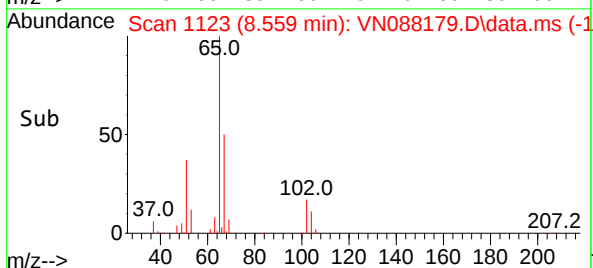
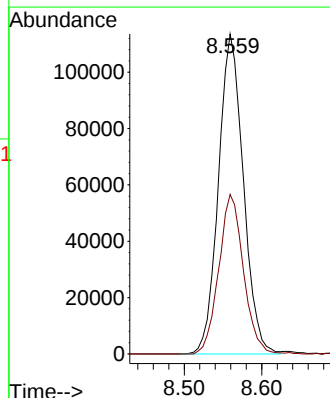
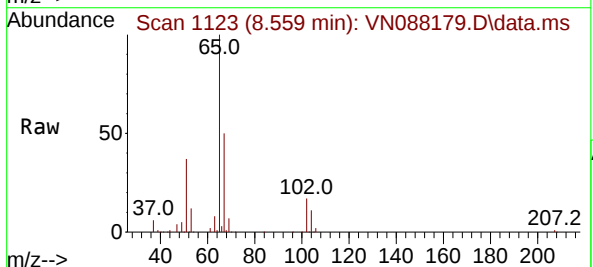
Instrument :
MSVOA_N
ClientSampleId :
P001-TW2-251023-01

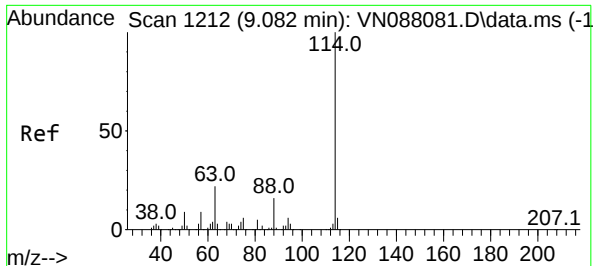
Tgt Ion:168 Resp: 241536
Ion Ratio Lower Upper
168 100
99 70.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 60.708 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088179.D
Acq: 31 Oct 2025 11:55

Tgt Ion: 65 Resp: 253555
Ion Ratio Lower Upper
65 100
67 49.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088179.D

Acq: 31 Oct 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

P001-TW2-251023-01

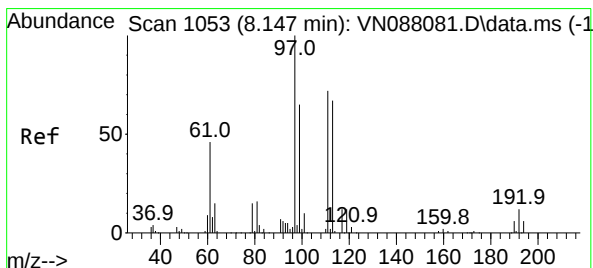
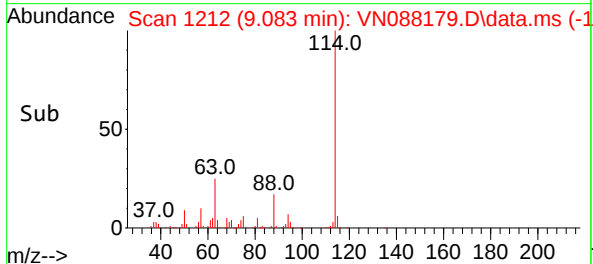
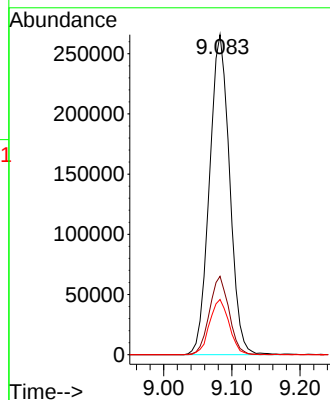
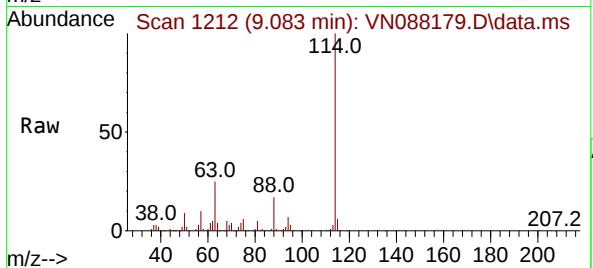
Tgt Ion:114 Resp: 547449

Ion Ratio Lower Upper

114 100

63 24.5 0.0 45.2

88 17.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.994 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088179.D

Acq: 31 Oct 2025 11:55

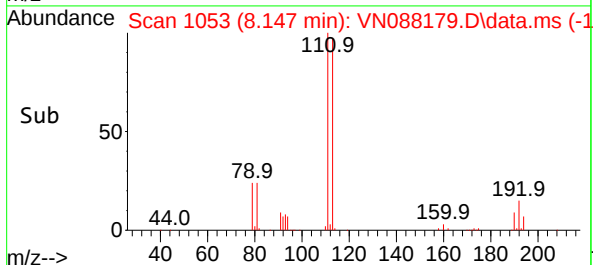
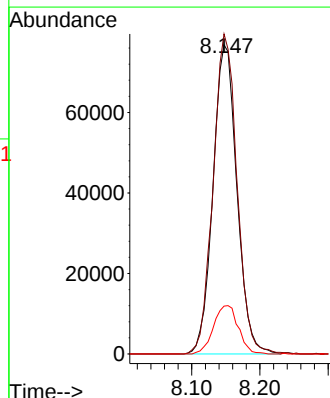
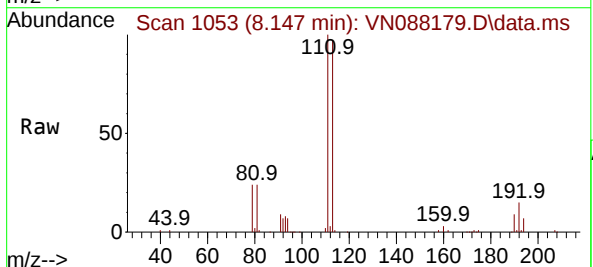
Tgt Ion:113 Resp: 187546

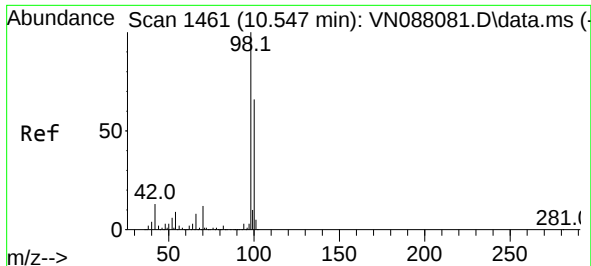
Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 16.2 12.8 19.2

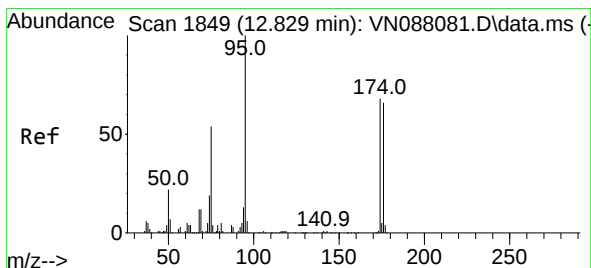
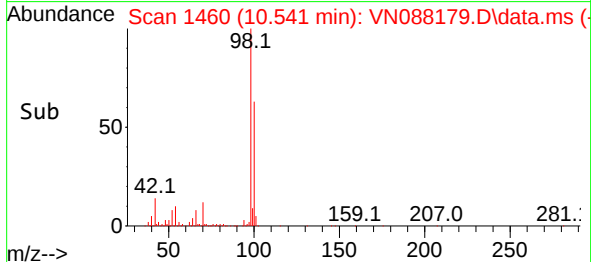
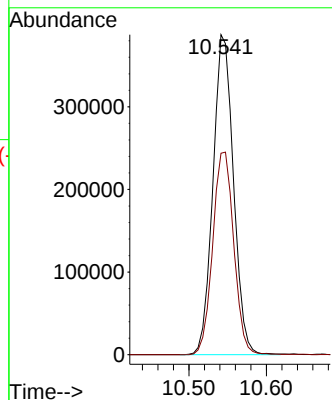
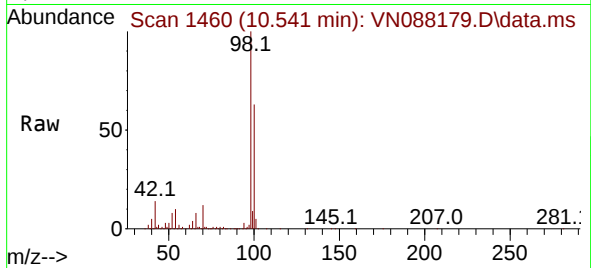




#50
Toluene-d8
Concen: 50.237 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088179.D
Acq: 31 Oct 2025 11:55

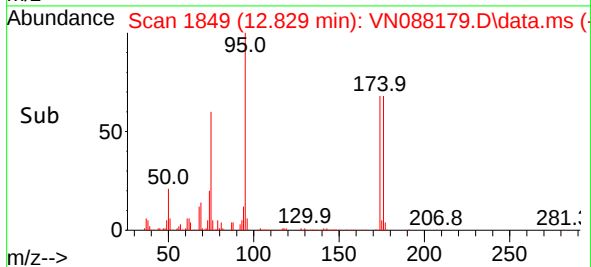
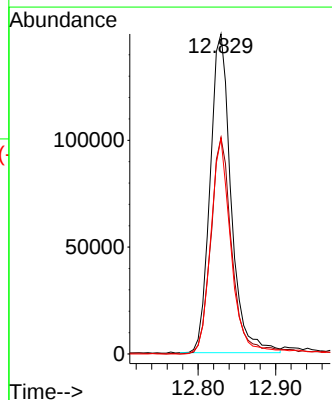
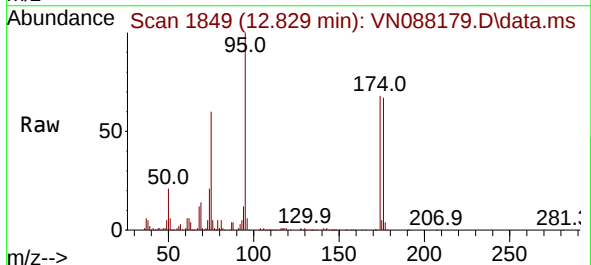
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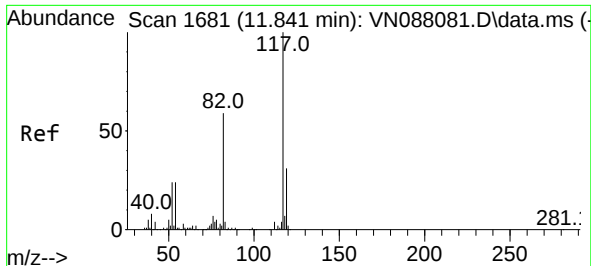
Tgt Ion: 98 Resp: 711914
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 55.957 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088179.D
Acq: 31 Oct 2025 11:55

Tgt Ion: 95 Resp: 280048
Ion Ratio Lower Upper
95 100
174 70.5 0.0 138.4
176 66.0 0.0 132.6

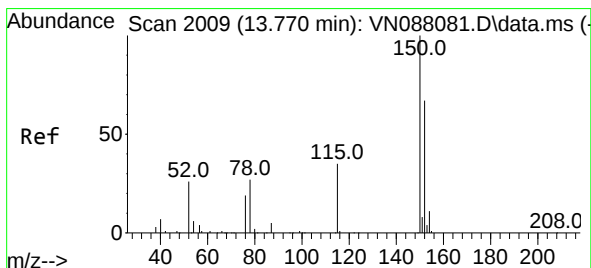
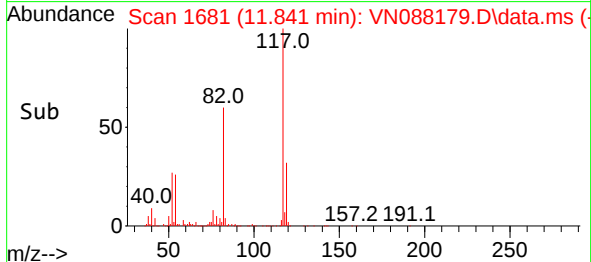
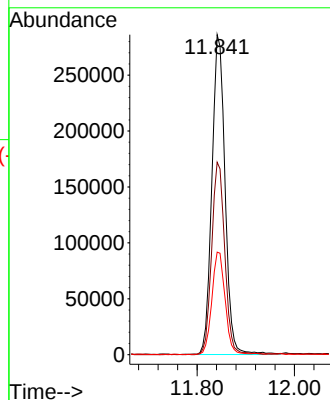
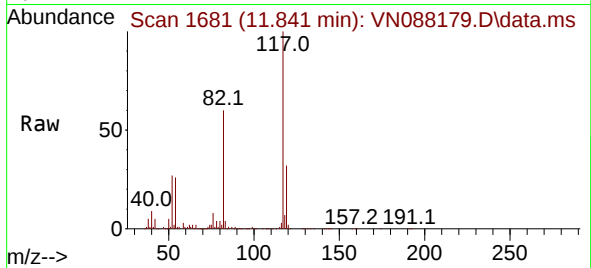




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088179.D
Acq: 31 Oct 2025 11:55

Instrument :
MSVOA_N
ClientSampleId :
P001-TW2-251023-01

Tgt Ion:117 Resp: 534253
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 32.0 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088179.D
Acq: 31 Oct 2025 11:55

Tgt Ion:152 Resp: 265781
Ion Ratio Lower Upper
152 100
115 66.2 32.3 96.8
150 158.3 0.0 351.0

