

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088497.D
 Acq On : 10 Dec 2025 14:06
 Operator : JC\MD
 Sample : Q3809-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

Quant Time: Dec 11 02:07:51 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	200757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	473723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	469436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206831	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222851	58.926	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.860%
35) Dibromofluoromethane	8.147	113	163831	49.905	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.800%
50) Toluene-d8	10.547	98	555380	45.468	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.940%
62) 4-Bromofluorobenzene	12.829	95	202531	48.324	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.640%

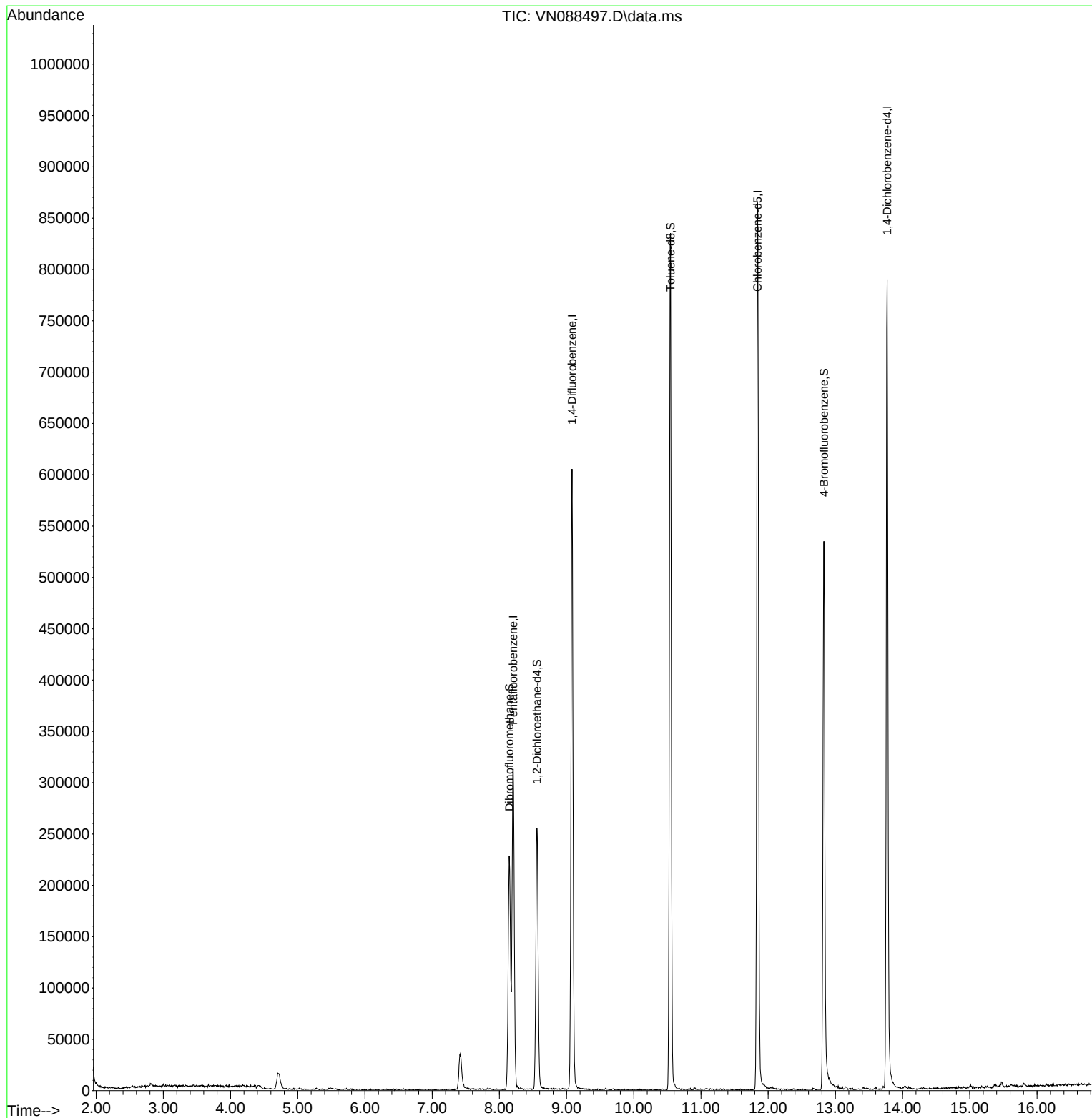
Target Compounds	Qvalue

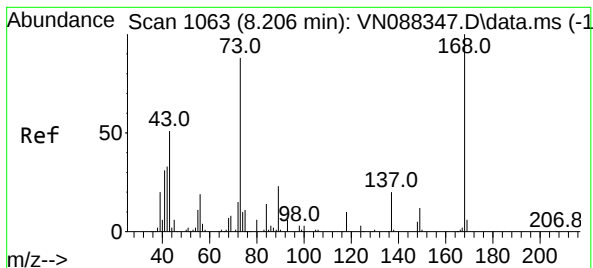
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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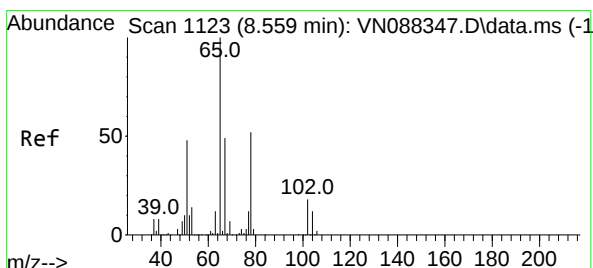
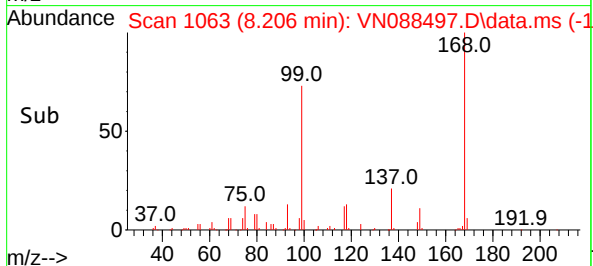
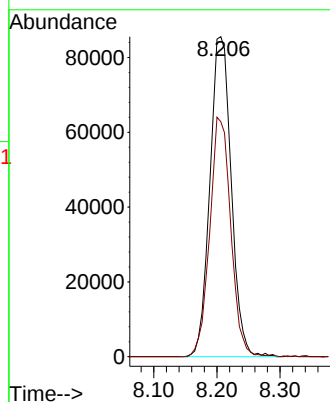
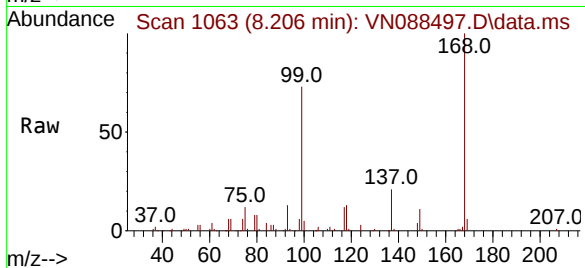




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

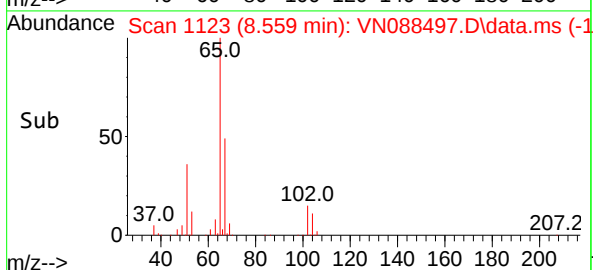
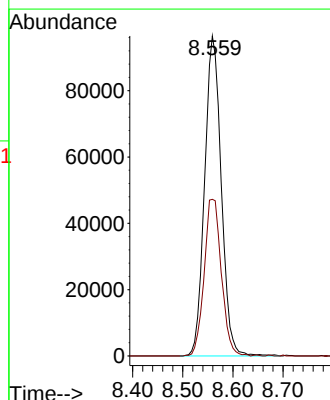
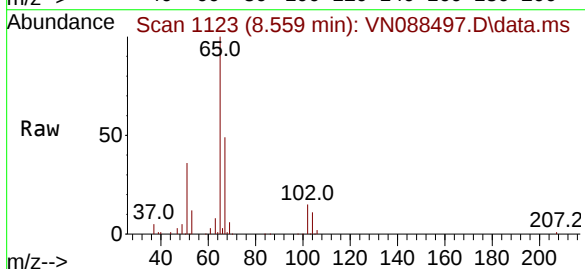
Instrument :
MSVOA_N
ClientSampleId :
TRIP

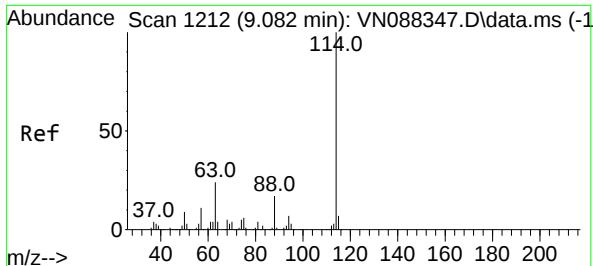
Tgt Ion:168 Resp: 200757
Ion Ratio Lower Upper
168 100
99 73.4 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 58.926 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 65 Resp: 222851
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.8

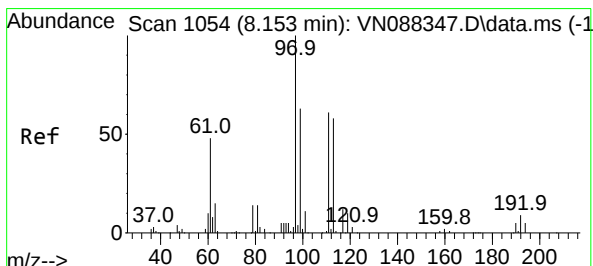
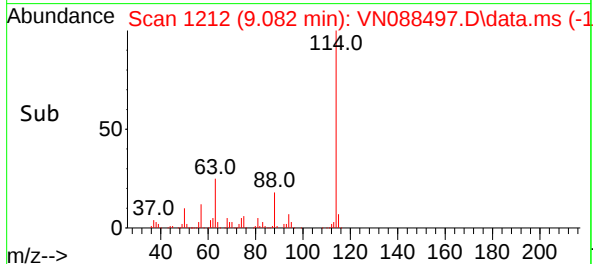
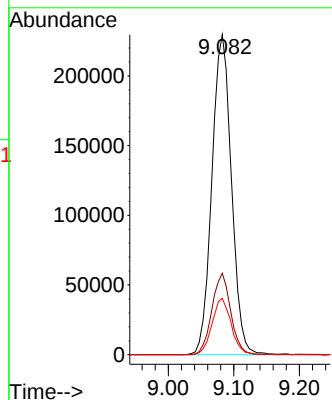
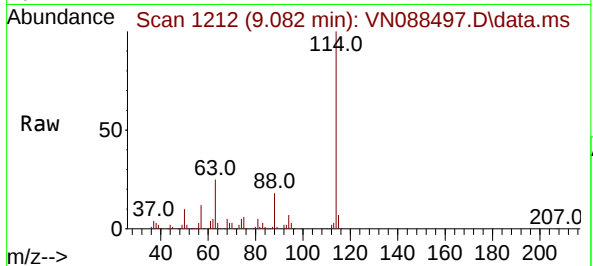




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

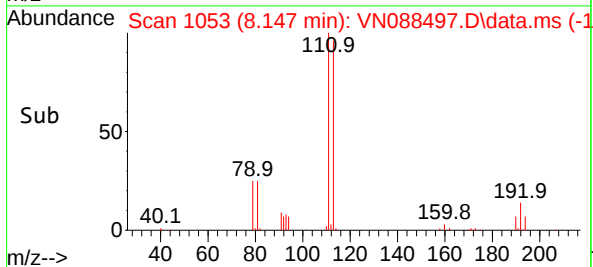
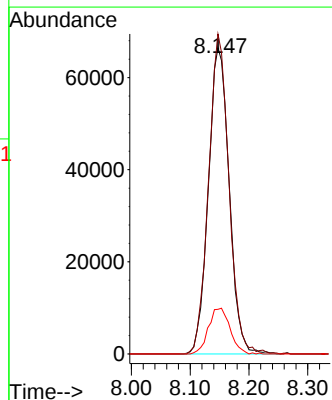
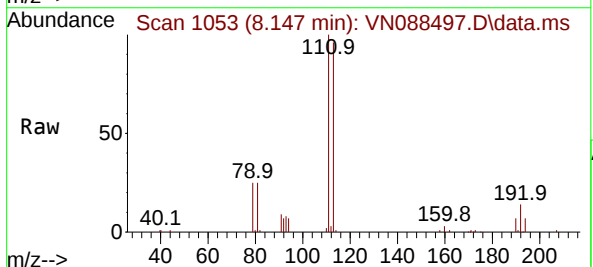
Instrument :
MSVOA_N
ClientSampleId :
TRIP

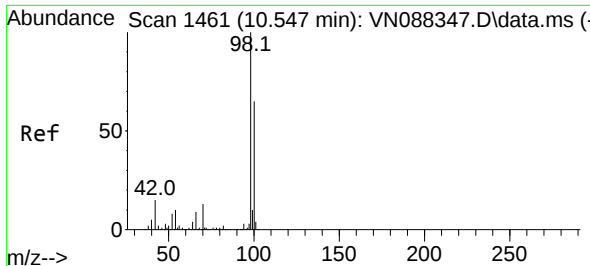
Tgt Ion:114 Resp: 473723
Ion Ratio Lower Upper
114 100
63 25.4 0.0 49.0
88 17.6 0.0 34.0



#35
Dibromofluoromethane
Concen: 49.905 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Tgt Ion:113 Resp: 163831
Ion Ratio Lower Upper
113 100
111 102.0 82.5 123.7
192 15.5 12.8 19.2

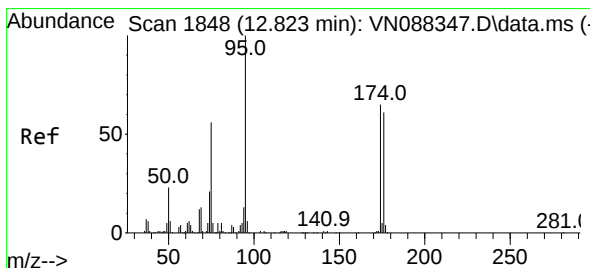
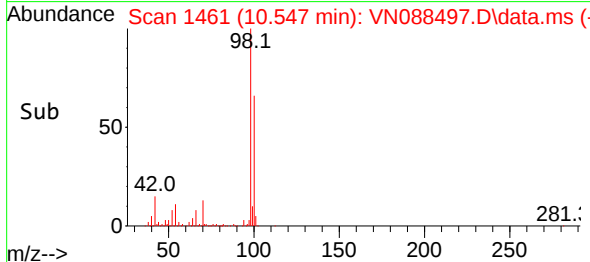
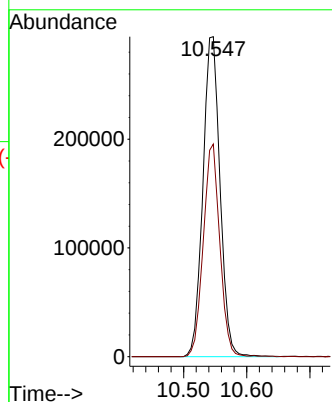
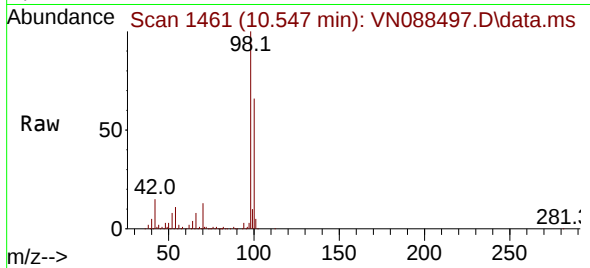




#50
Toluene-d8
Concen: 45.468 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

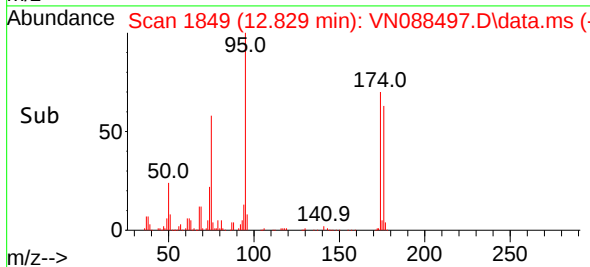
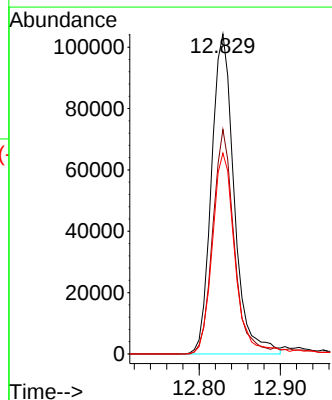
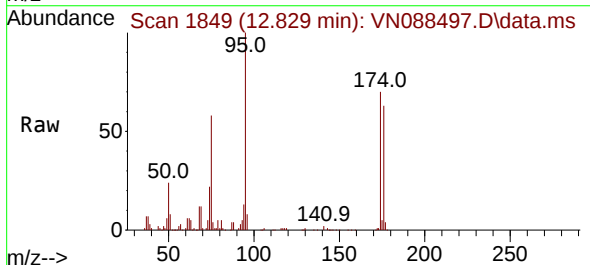
Instrument :
MSVOA_N
ClientSampleId :
TRIP

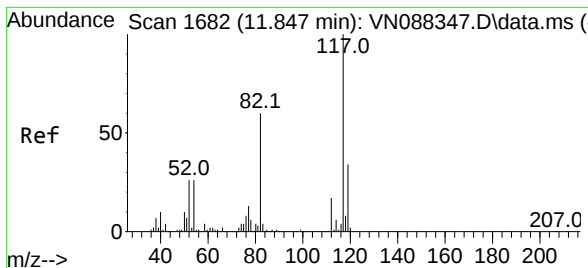
Tgt Ion: 98 Resp: 555380
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.324 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 95 Resp: 202531
Ion Ratio Lower Upper
95 100
174 66.7 0.0 139.0
176 62.7 0.0 132.4

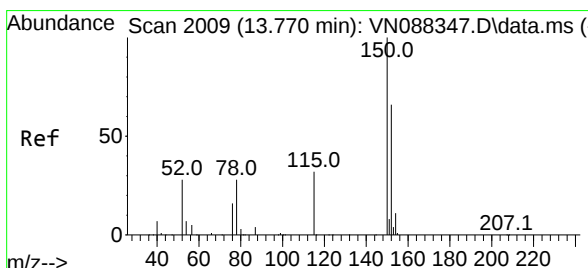
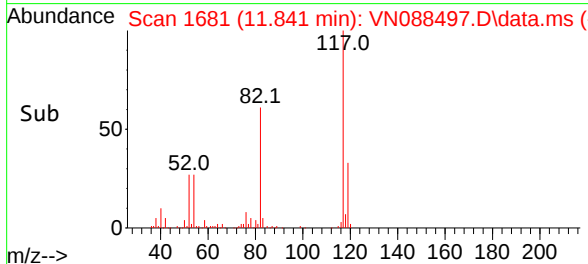
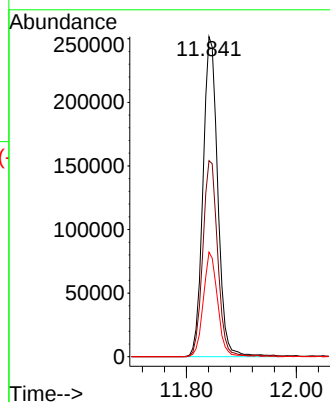
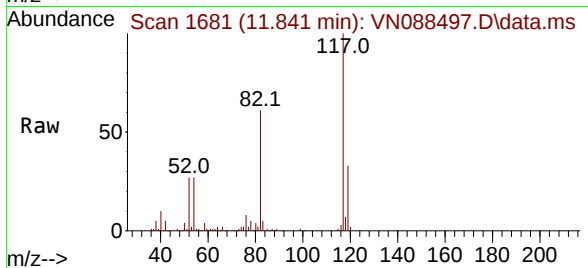




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088497.D
Acq: 10 Dec 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
TRIP

Tgt Ion:117 Resp: 469436
Ion Ratio Lower Upper
117 100
82 61.3 47.8 71.8
119 32.7 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: VN088497.D
Acq: 10 Dec 2025 14:06

Tgt Ion:152 Resp: 206831
Ion Ratio Lower Upper
152 100
115 67.6 33.0 98.9
150 162.4 0.0 349.0

