

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088434.D
 Acq On : 03 Dec 2025 16:58
 Operator : JC\MD
 Sample : Q3756-10RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120225RE

Quant Time: Dec 04 00:23:31 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	223956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	518301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	518638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	245675	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	230323	54.593	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.180%
35) Dibromofluoromethane	8.147	113	160791	44.766	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.540%
50) Toluene-d8	10.547	98	560829	41.965	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	83.920%#
62) 4-Bromofluorobenzene	12.829	95	202134	44.081	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.160%

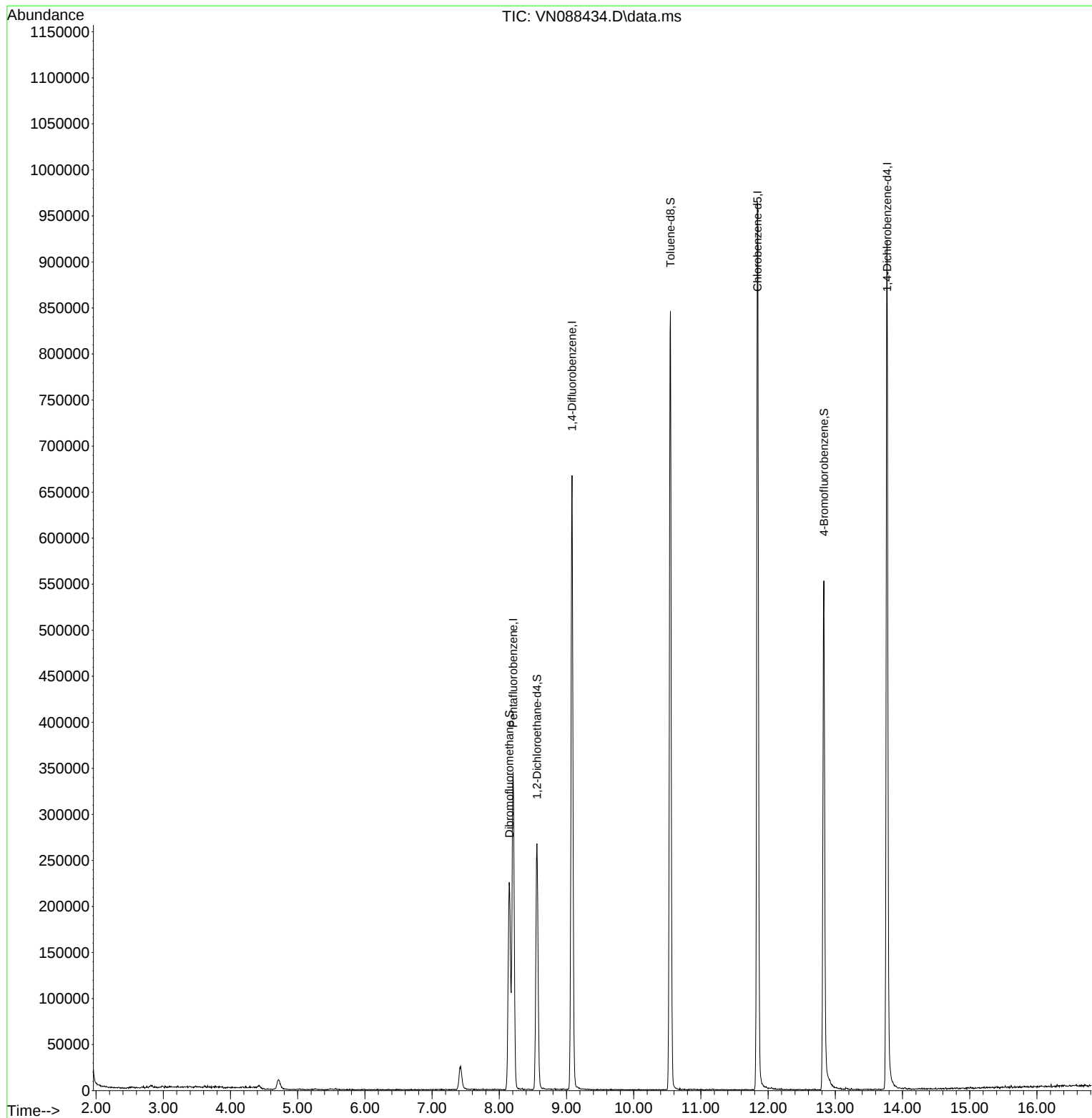
Target Compounds	Qvalue

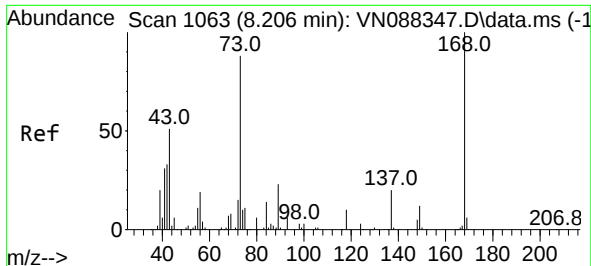
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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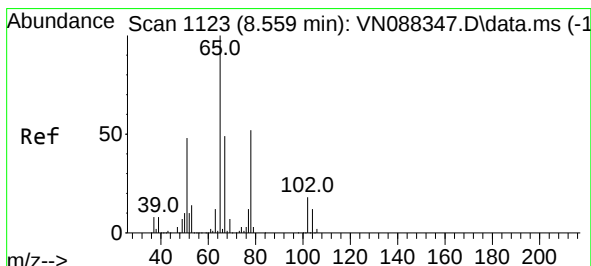
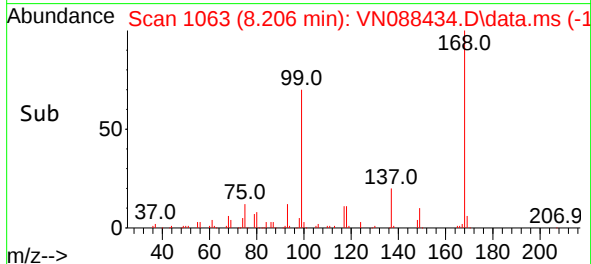
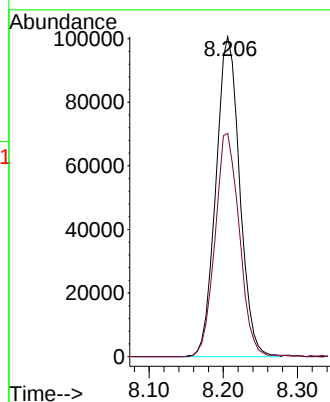
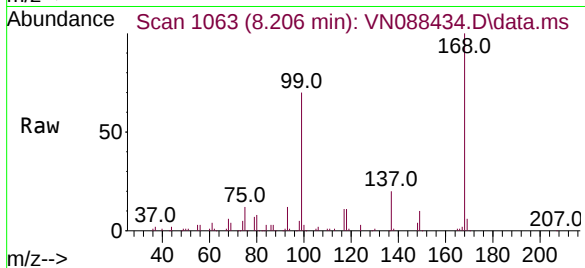




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

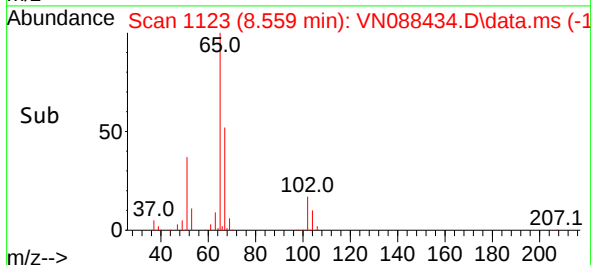
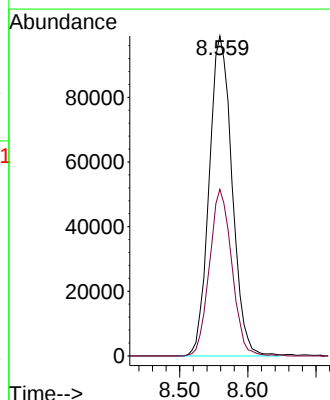
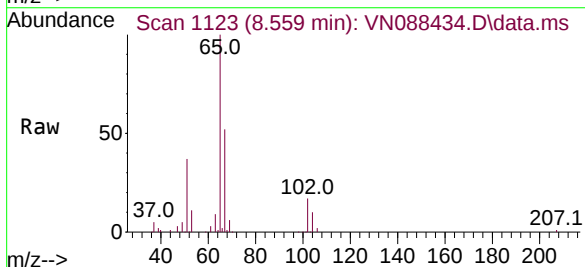
Instrument :
MSVOA_N
ClientSampleId :
TB01-120225RE

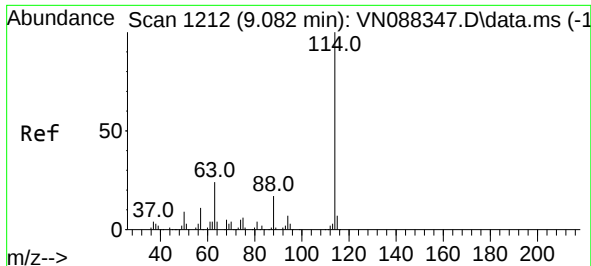
Tgt Ion:168 Resp: 223956
Ion Ratio Lower Upper
168 100
99 69.8 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 54.593 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

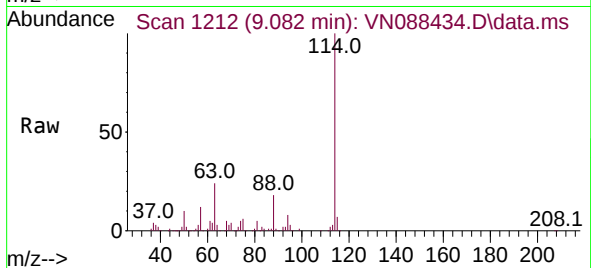
Tgt Ion: 65 Resp: 230323
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.8



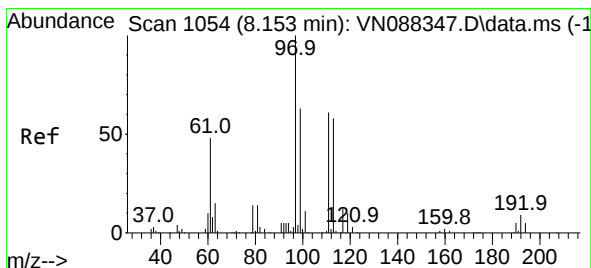
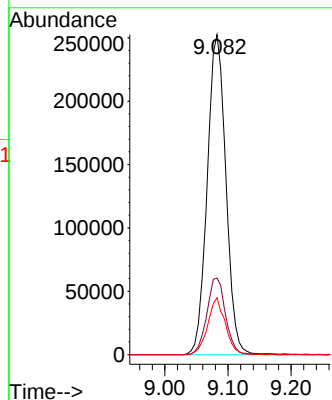
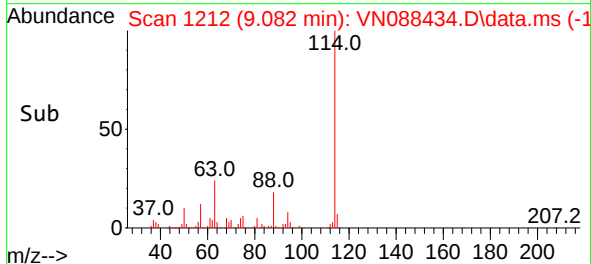


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-120225RE

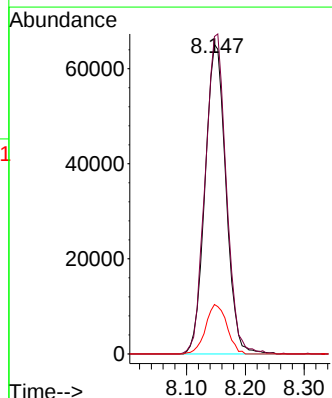
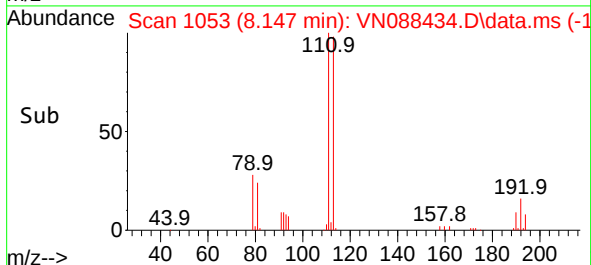
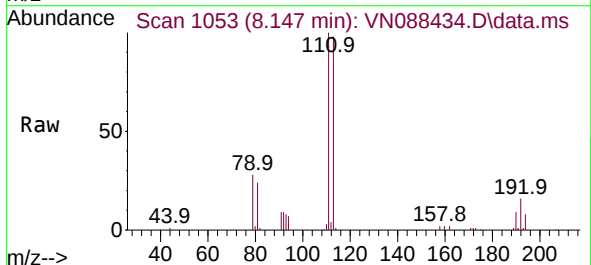


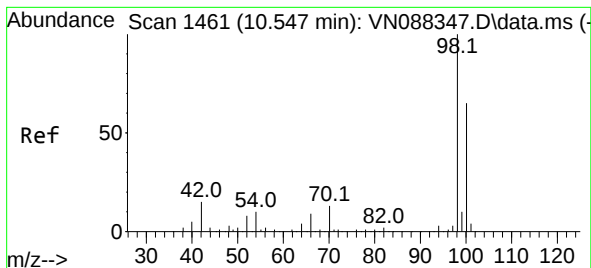
Tgt Ion:114 Resp: 518301
Ion Ratio Lower Upper
114 100
63 23.9 0.0 49.0
88 17.8 0.0 34.0



#35
Dibromofluoromethane
Concen: 44.766 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion:113 Resp: 160791
Ion Ratio Lower Upper
113 100
111 104.6 82.5 123.7
192 16.2 12.8 19.2

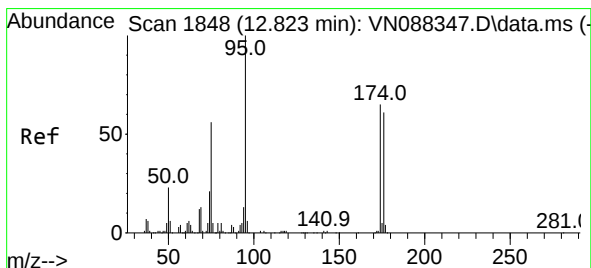
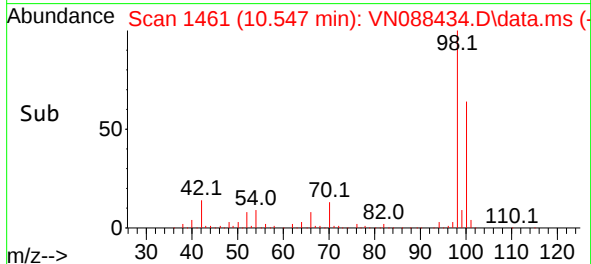
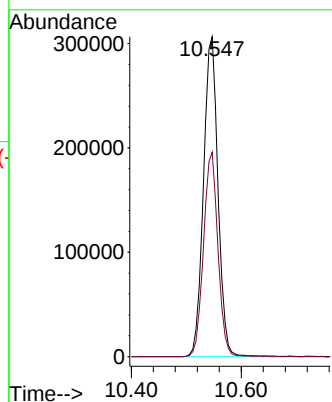
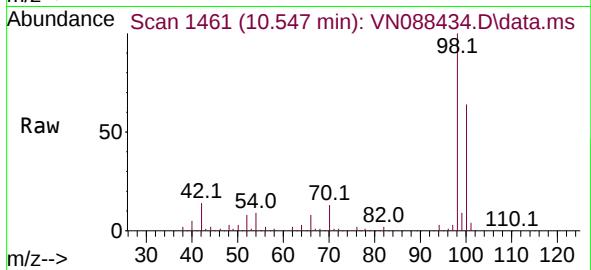




#50
Toluene-d8
Concen: 41.965 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

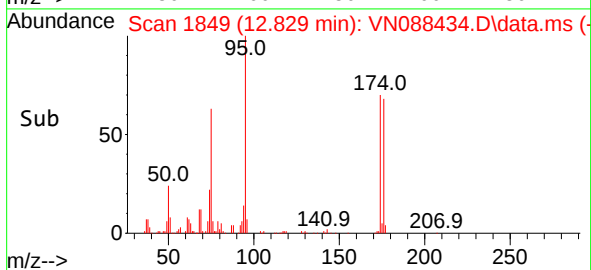
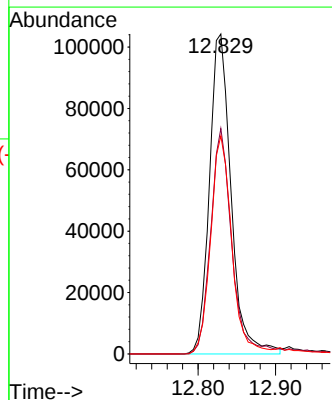
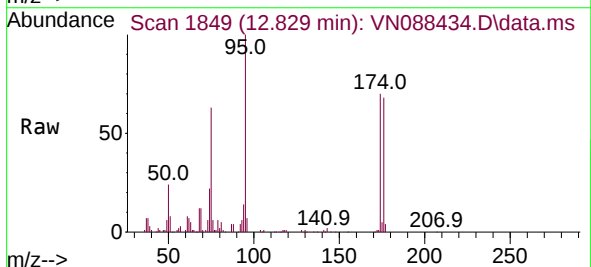
Instrument :
MSVOA_N
ClientSampleId :
TB01-120225RE

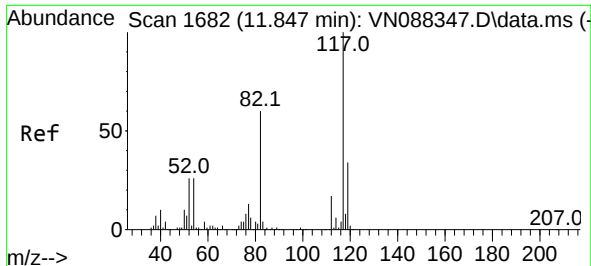
Tgt Ion: 98 Resp: 560829
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 44.081 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion: 95 Resp: 202134
Ion Ratio Lower Upper
95 100
174 69.0 0.0 139.0
176 66.4 0.0 132.4

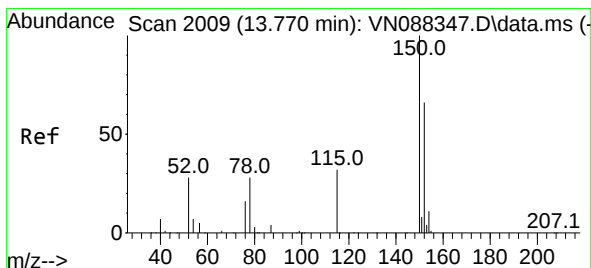
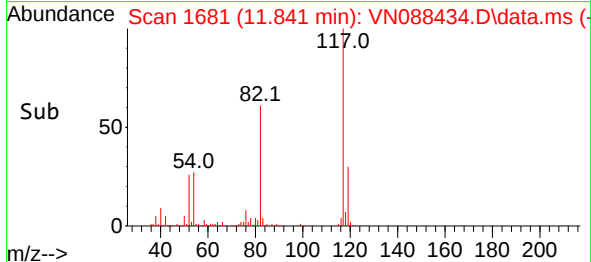
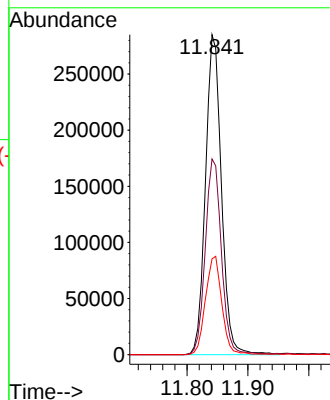
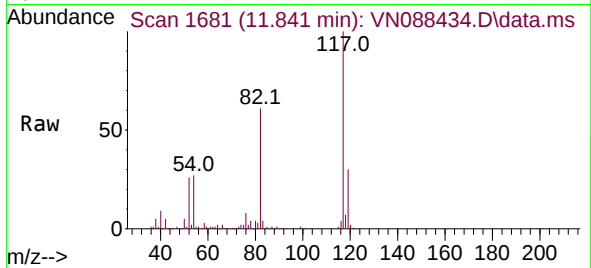




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088434.D
Acq: 03 Dec 2025 16:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-120225RE

Tgt Ion:117 Resp: 518638
Ion Ratio Lower Upper
117 100
82 61.1 47.8 71.8
119 29.9 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: VN088434.D
Acq: 03 Dec 2025 16:58

Tgt Ion:152 Resp: 245675
Ion Ratio Lower Upper
152 100
115 64.1 33.0 98.9
150 155.8 0.0 349.0

