

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087940.D
 Acq On : 24 Sep 2025 11:46
 Operator : JC\MD
 Sample : Q3157-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Sep 25 03:09:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	183948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	392279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	376769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	178103	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	170353	55.029	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.060%
35) Dibromofluoromethane	8.153	113	146172	51.321	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.640%
50) Toluene-d8	10.547	98	497721	49.693	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.380%
62) 4-Bromofluorobenzene	12.829	95	162785	45.469	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.940%

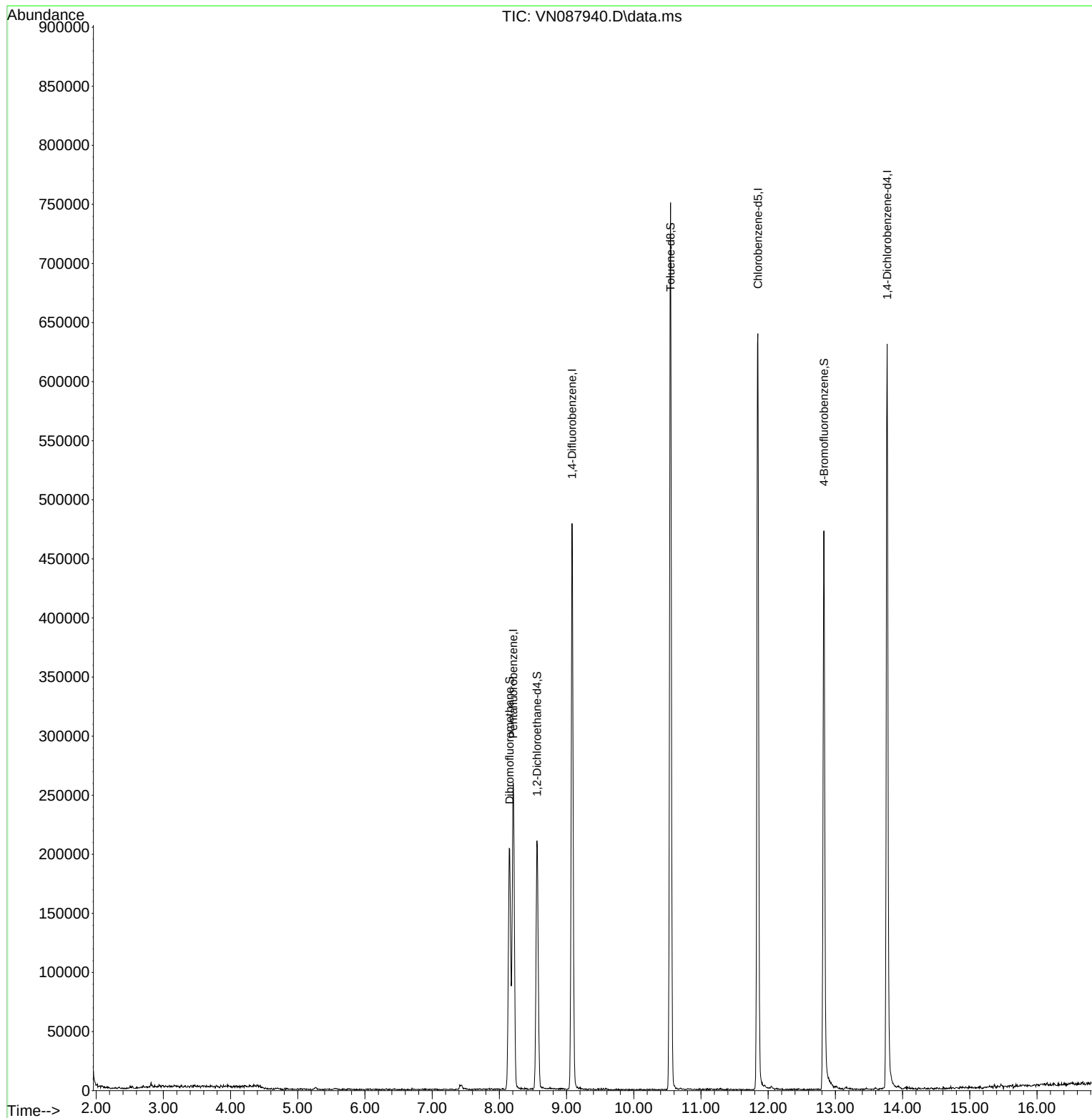
Target Compounds	Qvalue

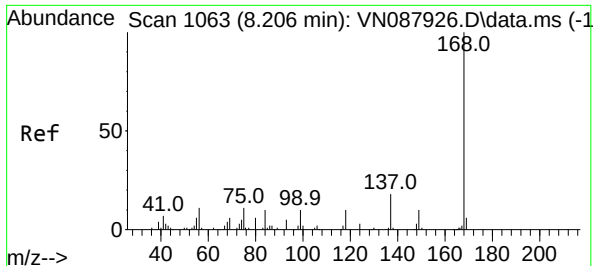
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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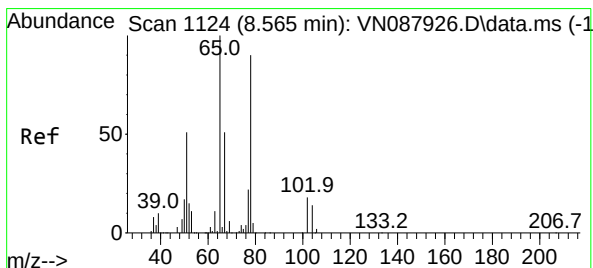
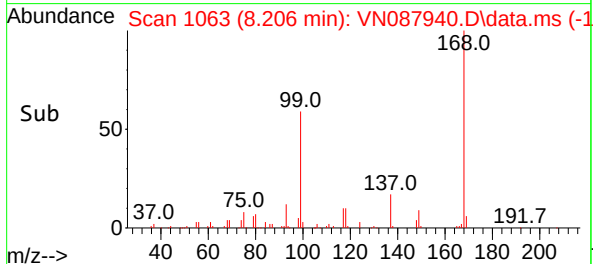
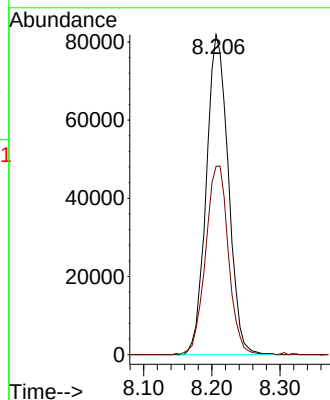
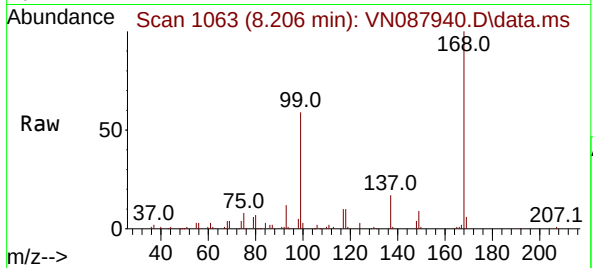




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

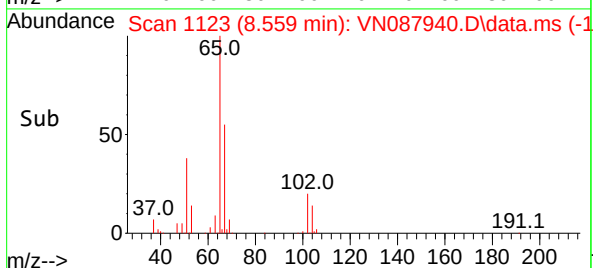
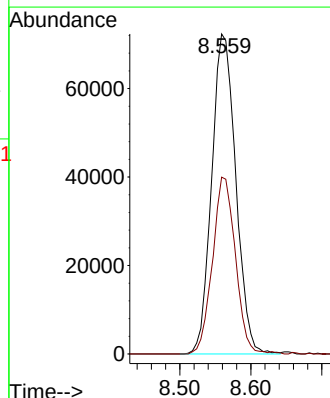
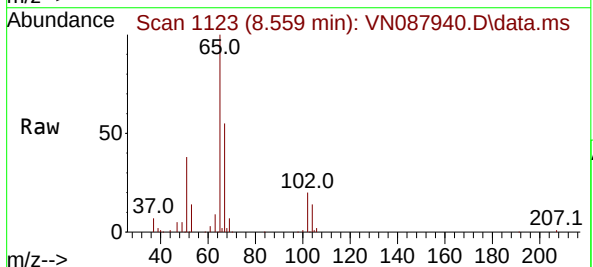
Instrument :
MSVOA_N
ClientSampleId :
TB

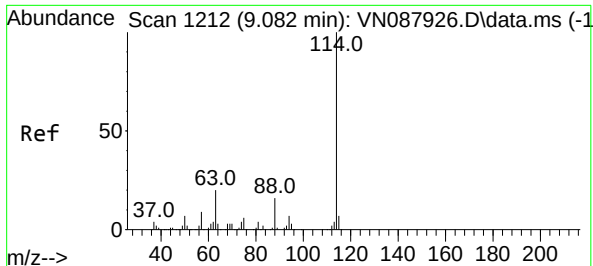
Tgt Ion:168 Resp: 183948
Ion Ratio Lower Upper
168 100
99 58.7 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 55.029 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion: 65 Resp: 170353
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

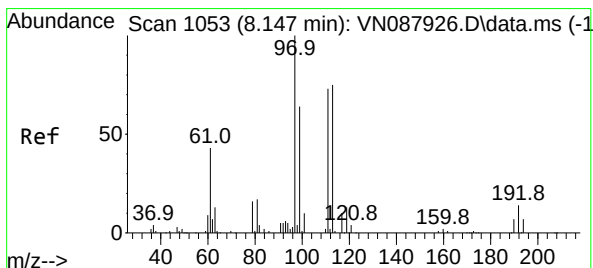
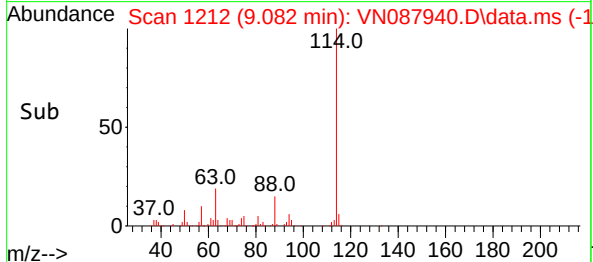
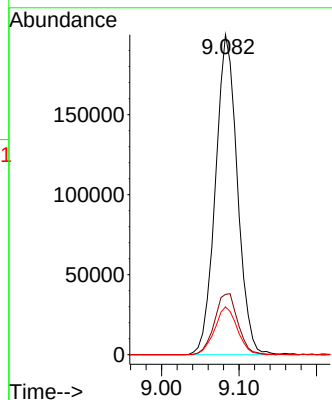
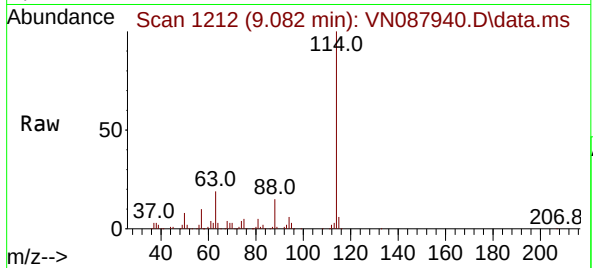




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

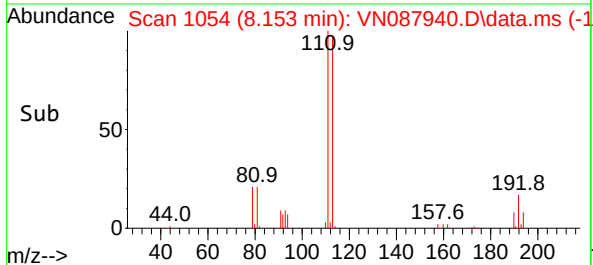
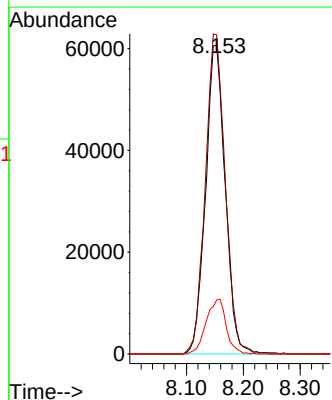
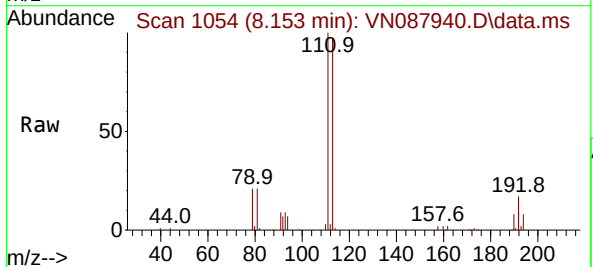
Instrument :
MSVOA_N
ClientSampleId :
TB

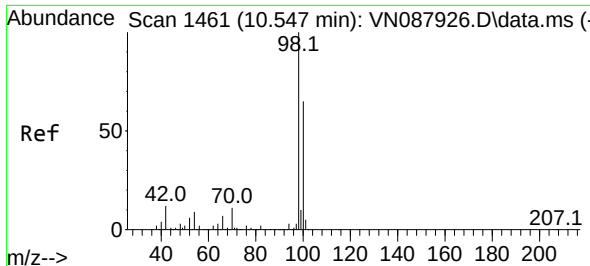
Tgt Ion:114 Resp: 392279
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.321 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion:113 Resp: 146172
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 18.0 14.2 21.2

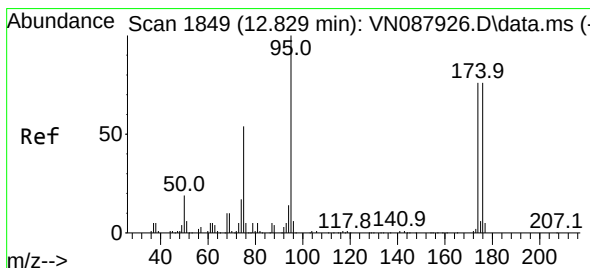
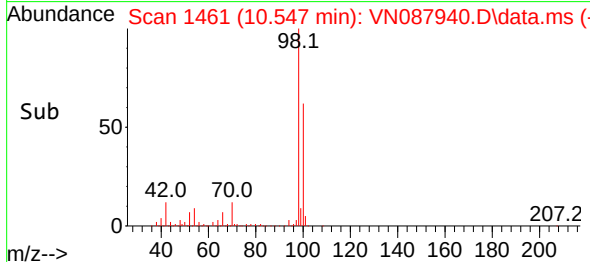
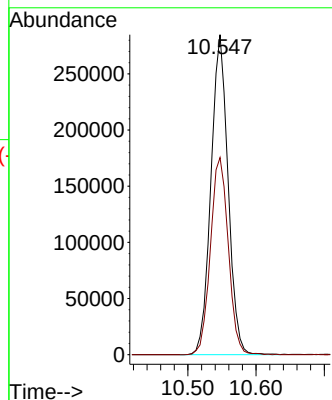
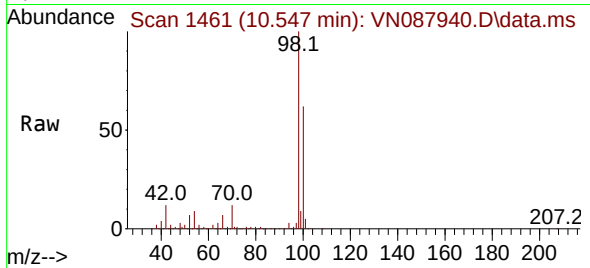




#50
Toluene-d8
Concen: 49.693 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

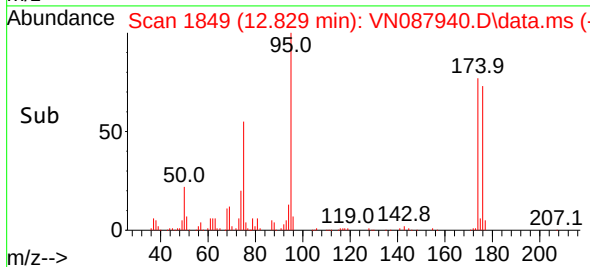
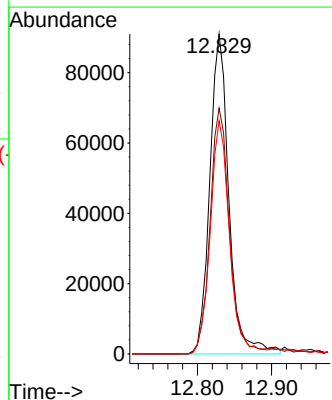
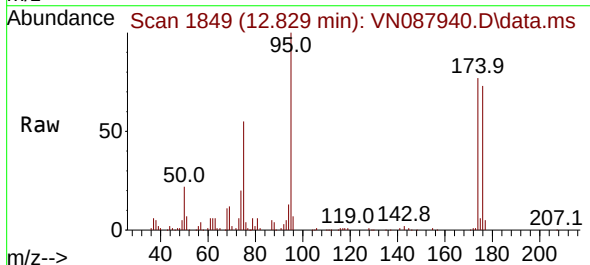
Instrument :
MSVOA_N
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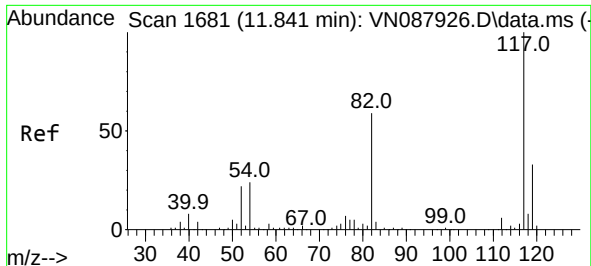
Tgt Ion: 98 Resp: 497721
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.469 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion: 95 Resp: 162785
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.2
176 73.3 0.0 152.6

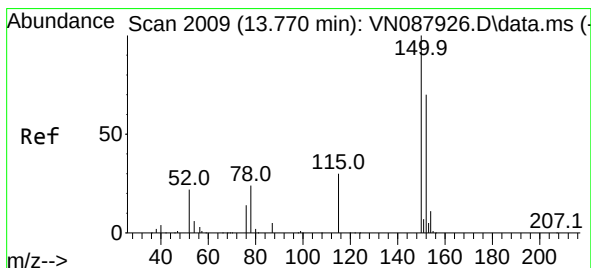
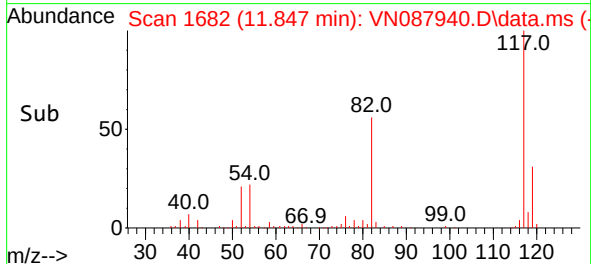
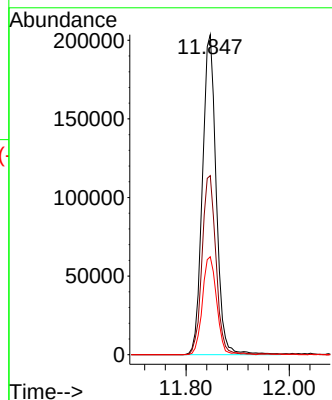
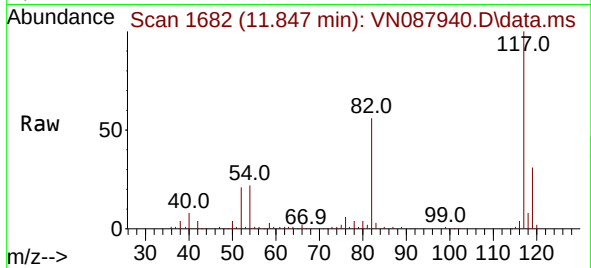




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion:117 Resp: 376769
Ion Ratio Lower Upper
117 100
82 56.0 47.0 70.4
119 30.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion:152 Resp: 178103
Ion Ratio Lower Upper
152 100
115 62.4 29.9 89.7
150 155.0 0.0 335.0

