

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087653.D
 Acq On : 25 Aug 2025 13:37
 Operator : JC\MD
 Sample : Q2936-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Aug 26 01:34:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	191231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	449008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	426482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	204728	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	230169	58.745	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.500%
35) Dibromofluoromethane	8.147	113	162999	50.280	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.560%
50) Toluene-d8	10.547	98	578547	47.681	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.360%
62) 4-Bromofluorobenzene	12.829	95	214615	49.736	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.480%

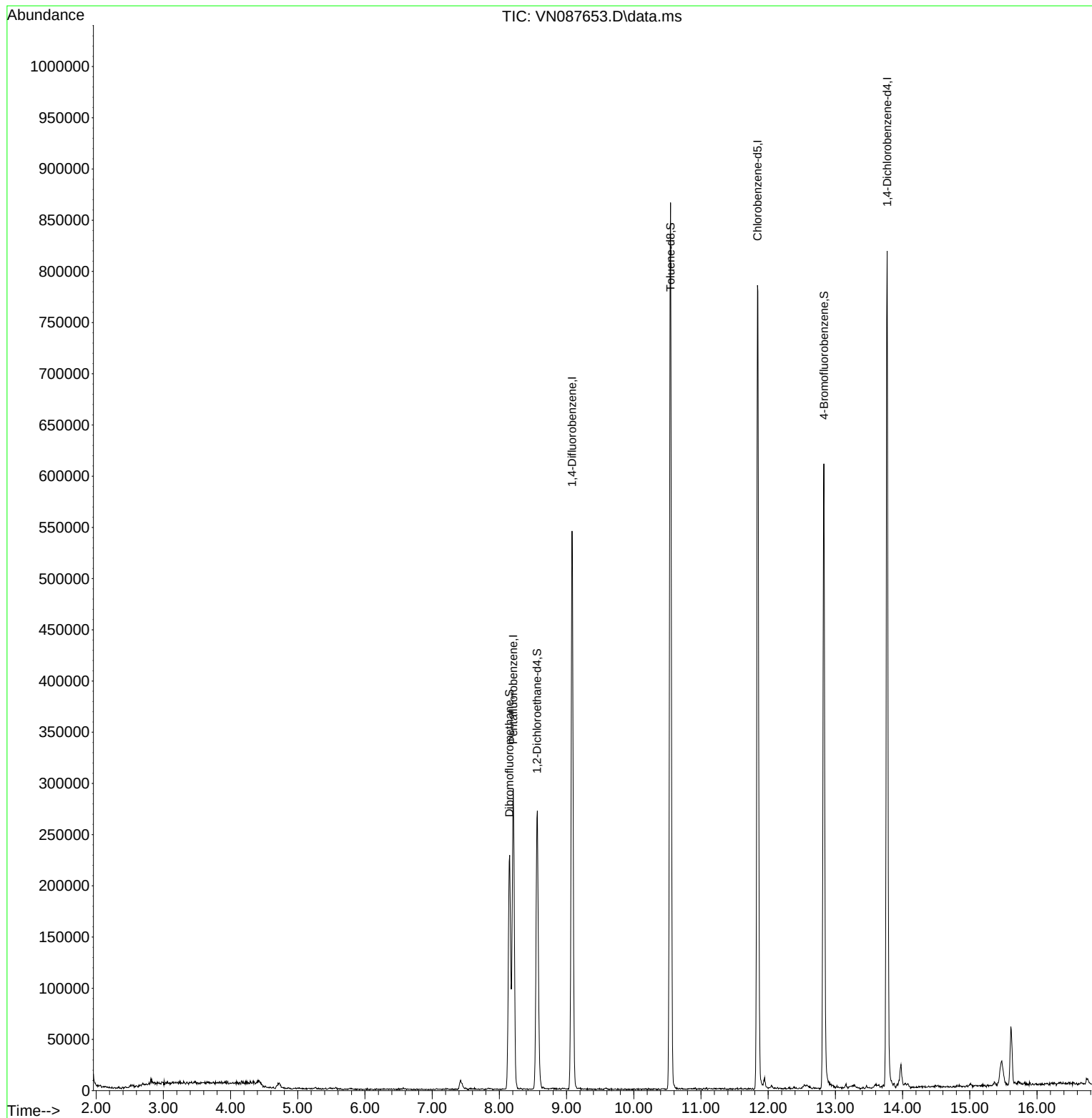
Target Compounds	Qvalue

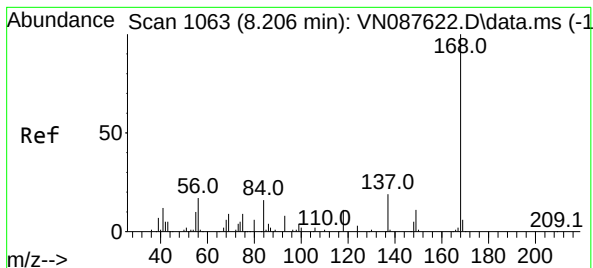
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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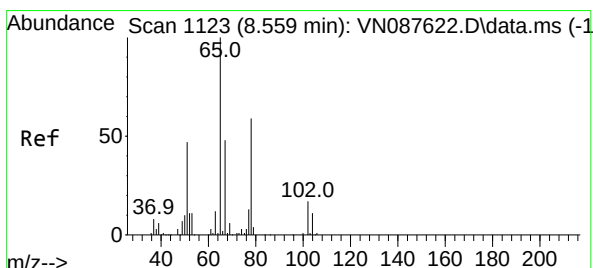
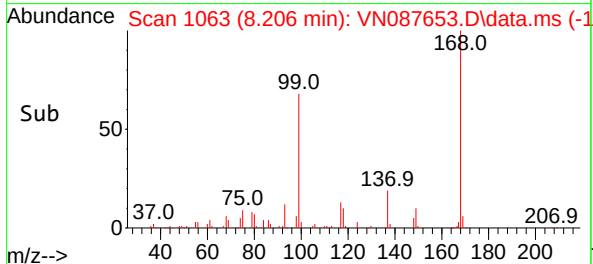
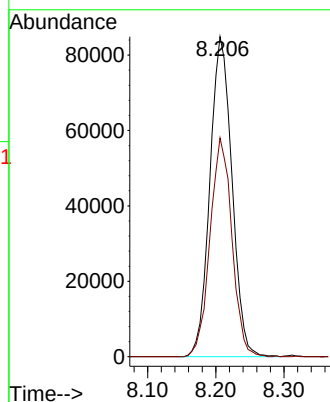
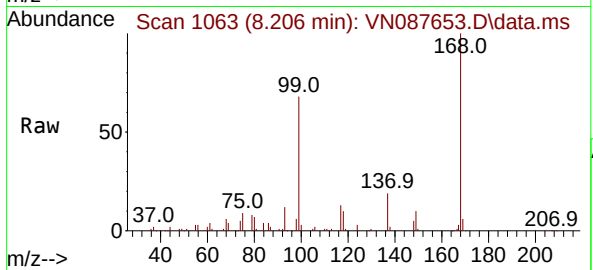




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

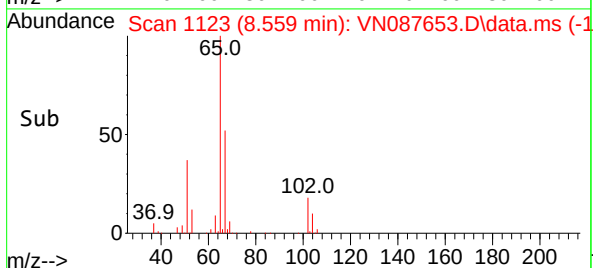
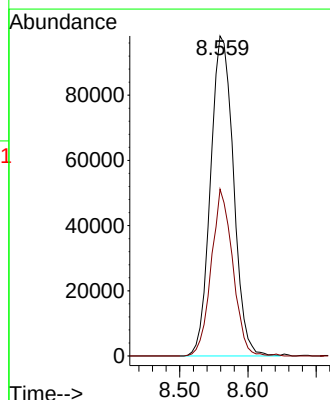
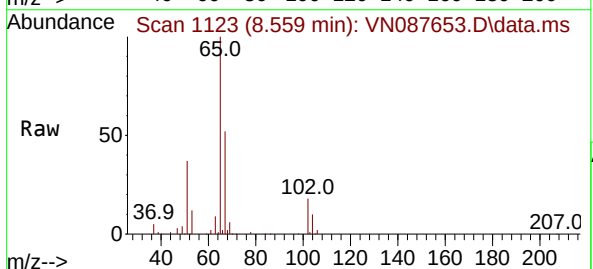
Instrument :
MSVOA_N
ClientSampleId :
TB

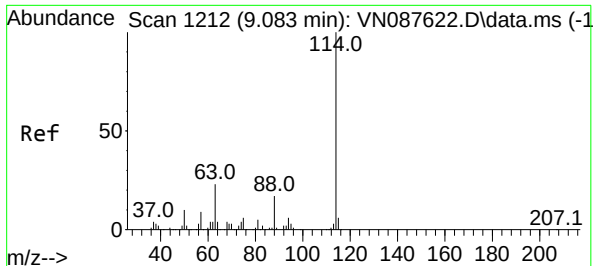
Tgt Ion:168 Resp: 191231
Ion Ratio Lower Upper
168 100
99 68.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 58.745 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion: 65 Resp: 230169
Ion Ratio Lower Upper
65 100
67 48.8 0.0 100.0

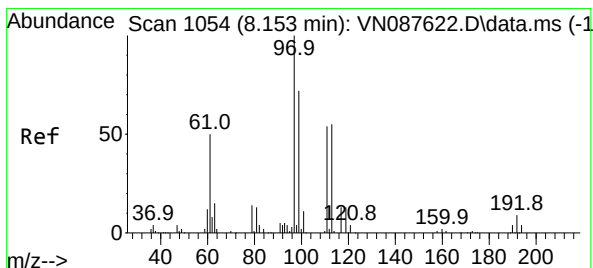
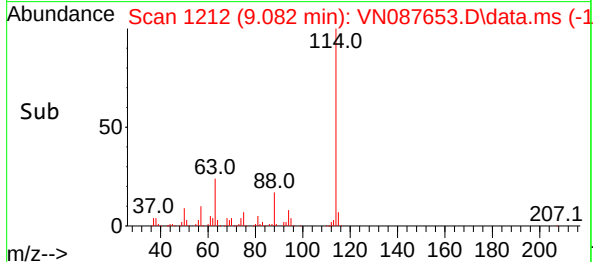
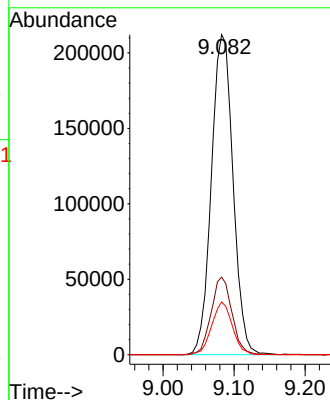
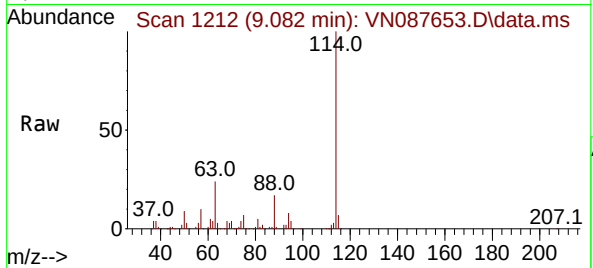




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

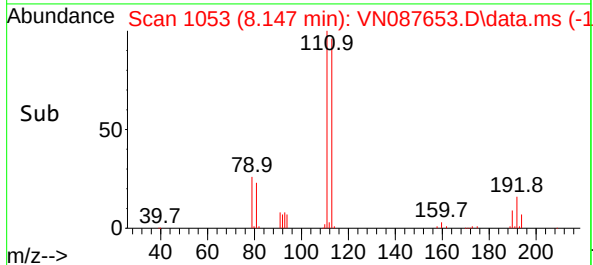
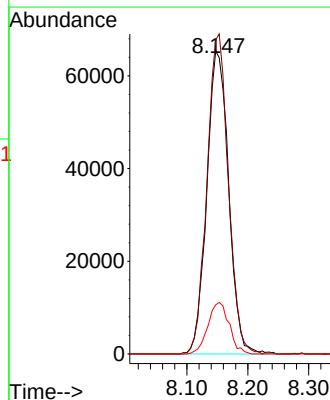
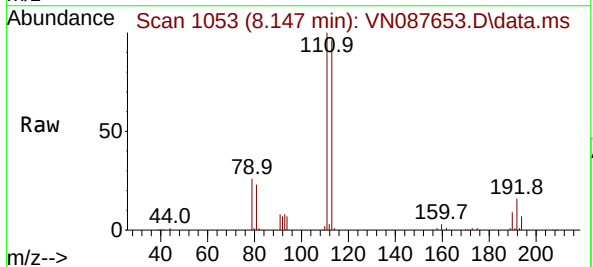
Instrument :
MSVOA_N
ClientSampleId :
TB

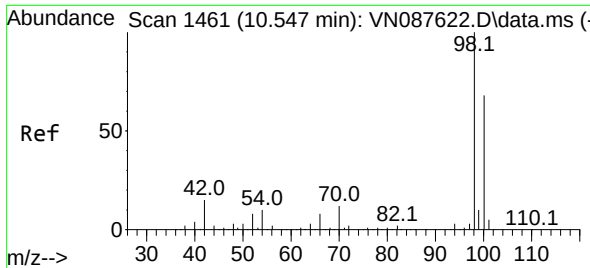
Tgt Ion:114 Resp: 449008
Ion Ratio Lower Upper
114 100
63 24.3 0.0 45.2
88 16.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.280 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion:113 Resp: 162999
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 16.6 12.8 19.2

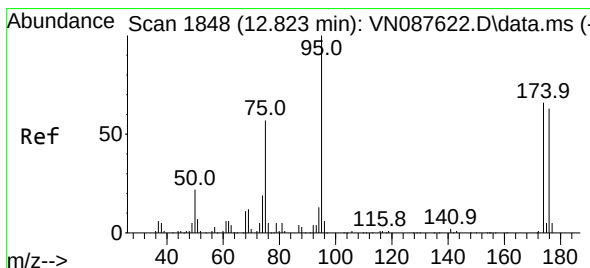
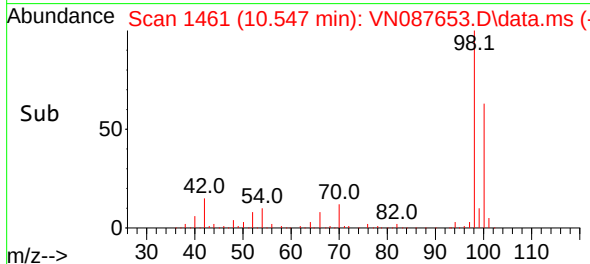
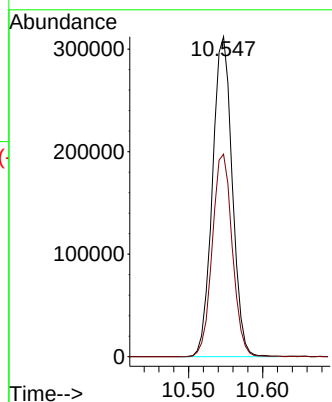
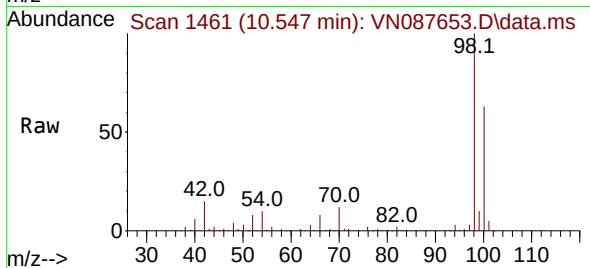




#50
Toluene-d8
Concen: 47.681 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

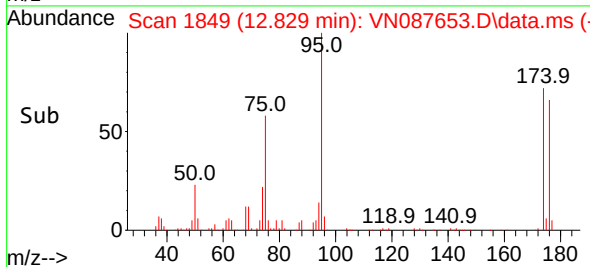
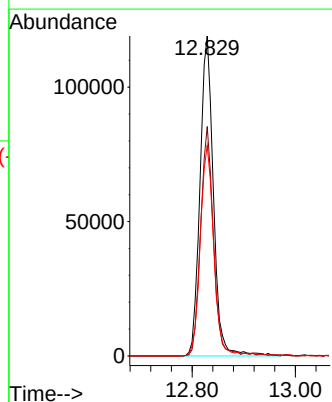
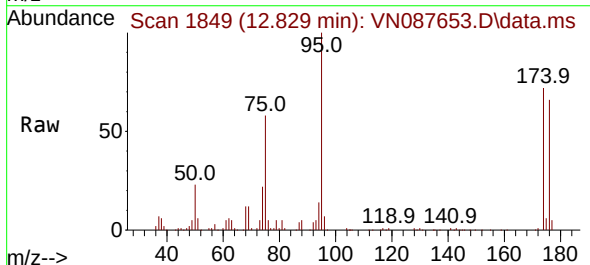
Instrument :
MSVOA_N
ClientSampleId :
TB

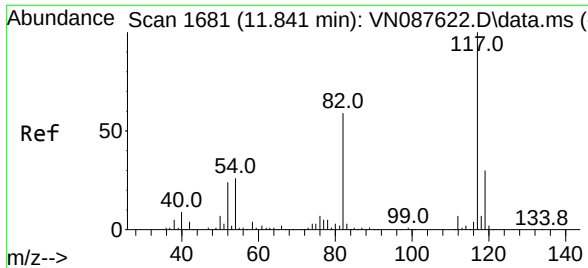
Tgt Ion: 98 Resp: 578547
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 49.736 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion: 95 Resp: 214615
Ion Ratio Lower Upper
95 100
174 69.5 0.0 138.4
176 65.9 0.0 132.6

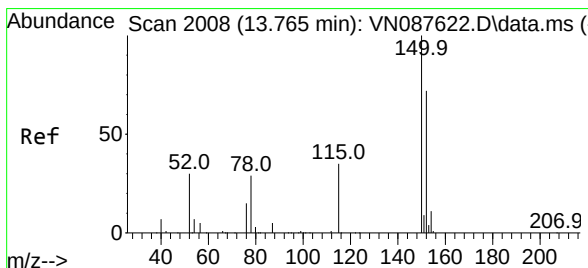
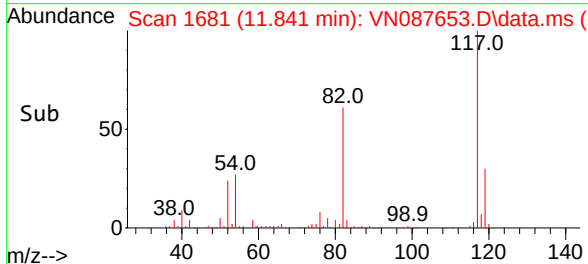
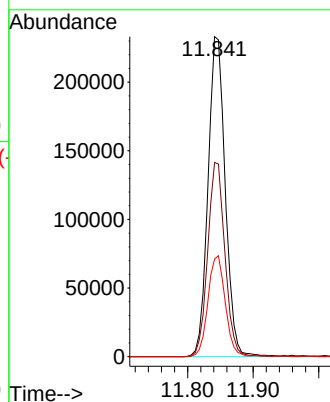
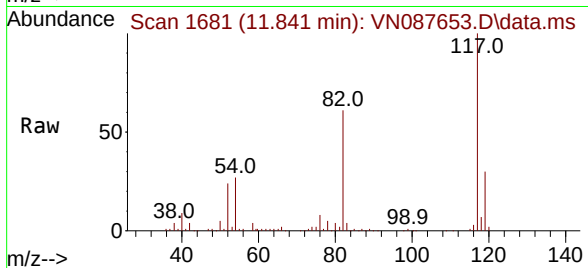




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion:117 Resp: 426482
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 30.5 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: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion:152 Resp: 204728
Ion Ratio Lower Upper
152 100
115 65.7 32.3 96.8
150 160.5 0.0 351.0

