

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087794.D
 Acq On : 11 Sep 2025 13:45
 Operator : JC\MD
 Sample : VN0911WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBL01

Quant Time: Sep 12 02:51:16 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	217125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	505649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	478608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	224924	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	244785	55.025	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.040%
35) Dibromofluoromethane	8.147	113	189613	51.938	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.880%
50) Toluene-d8	10.547	98	648133	47.433	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.860%
62) 4-Bromofluorobenzene	12.829	95	222270	45.740	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.480%

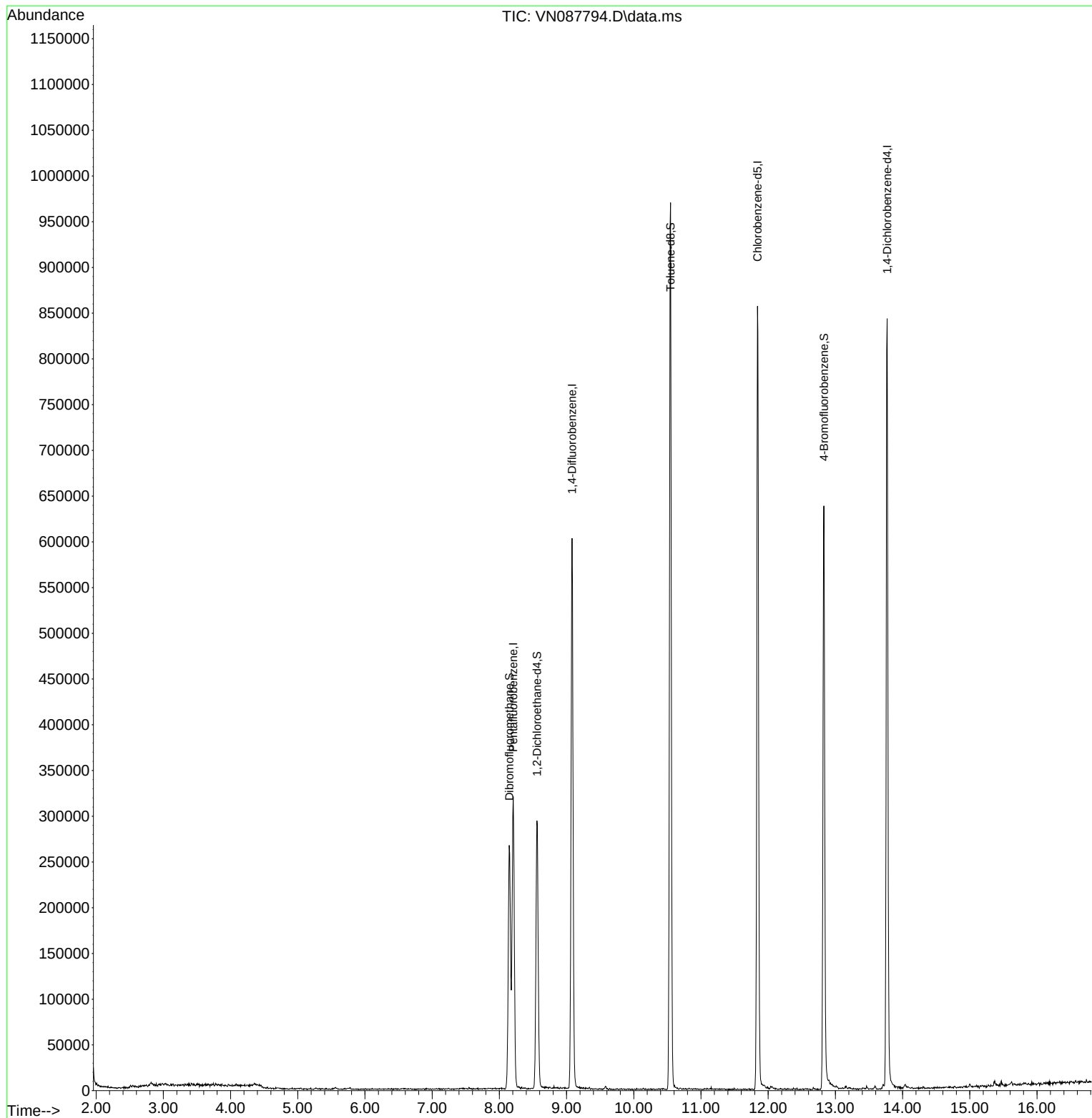
Target Compounds	Qvalue

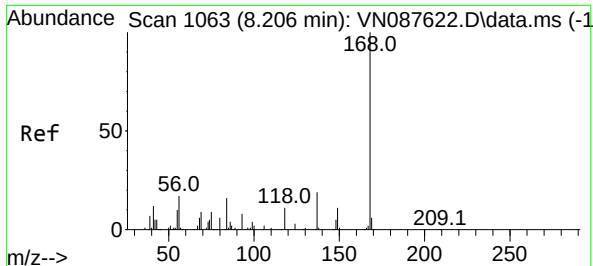
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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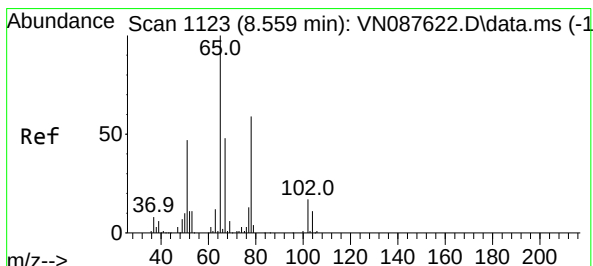
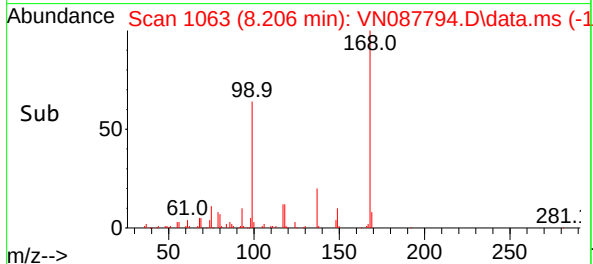
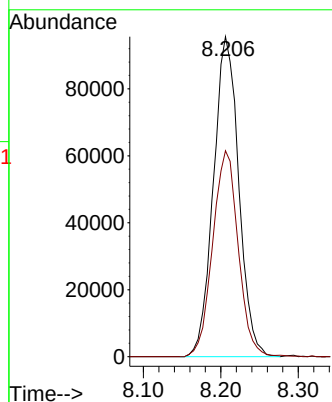
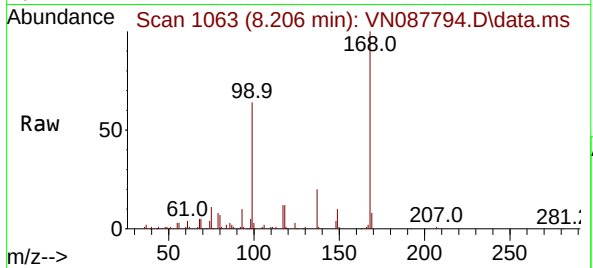




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

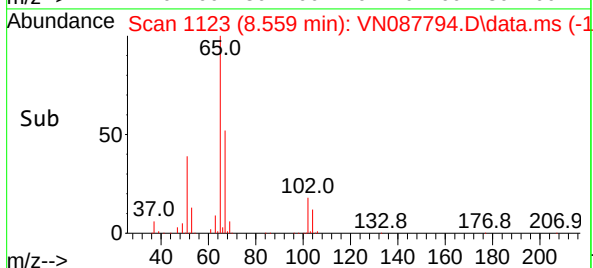
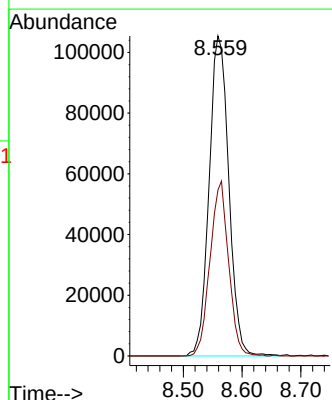
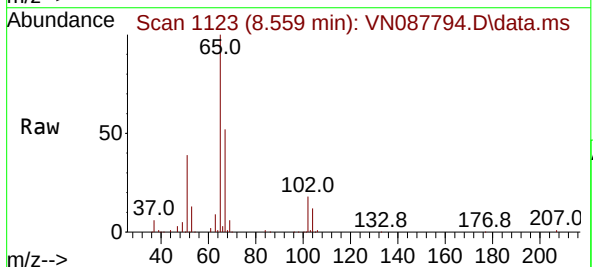
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

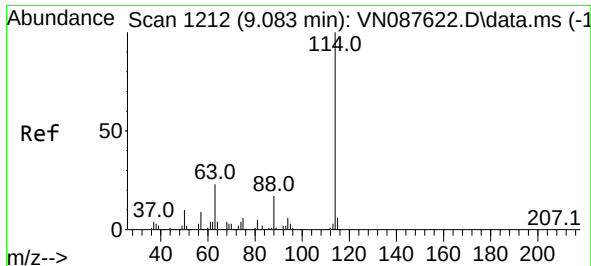
Tgt Ion:168 Resp: 217125
Ion Ratio Lower Upper
168 100
99 64.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.025 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 65 Resp: 244785
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.0

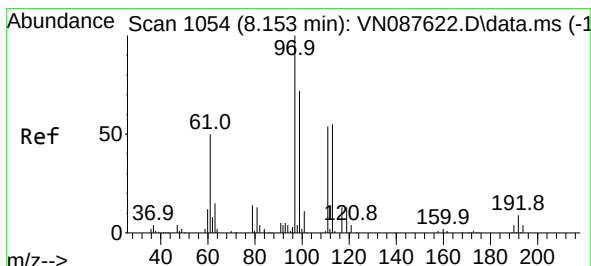
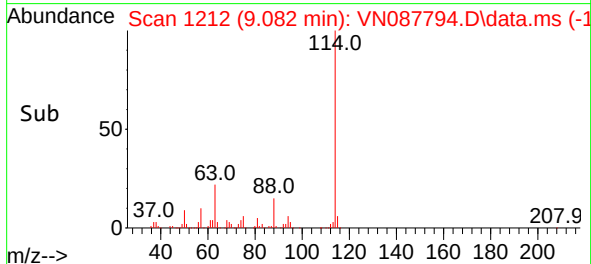
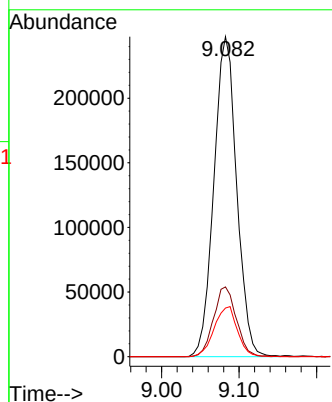
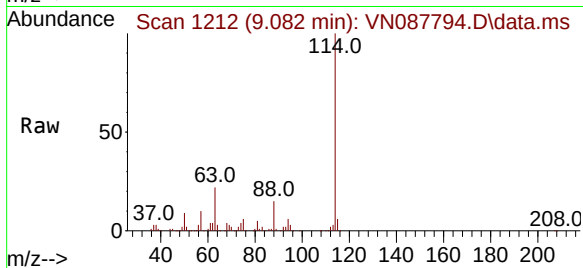




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

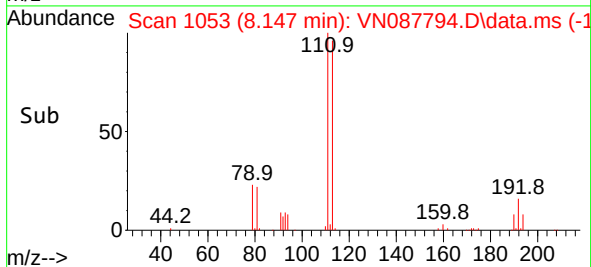
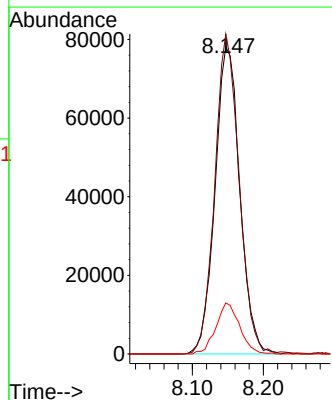
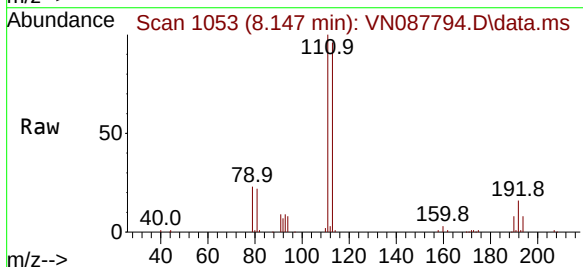
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

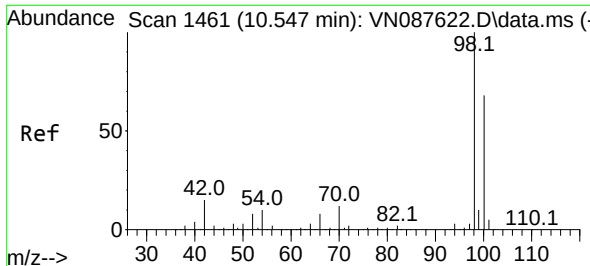
Tgt Ion:114 Resp: 505649
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.2
88 15.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 51.938 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion:113 Resp: 189613
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 15.9 12.8 19.2

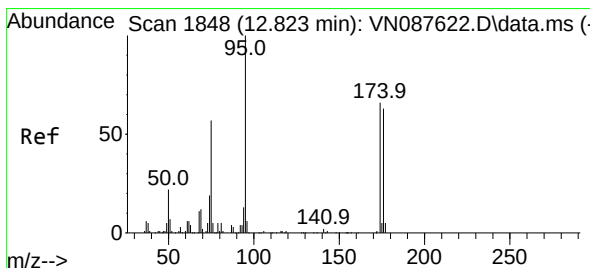
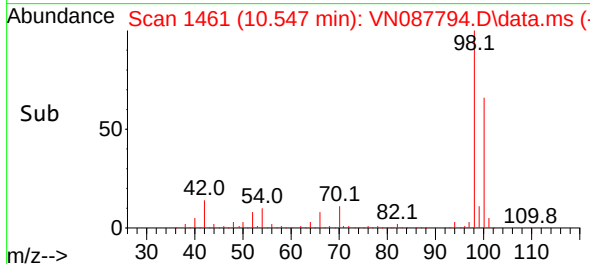
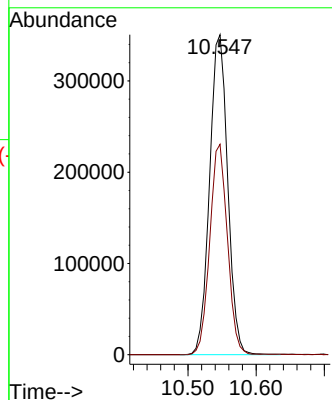
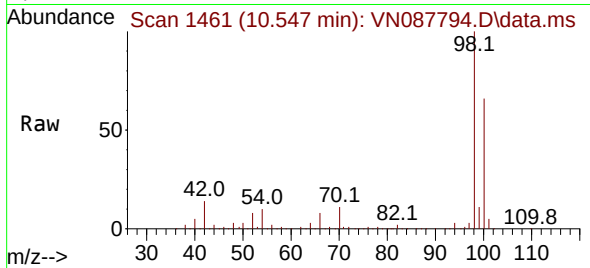




#50
Toluene-d8
Concen: 47.433 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

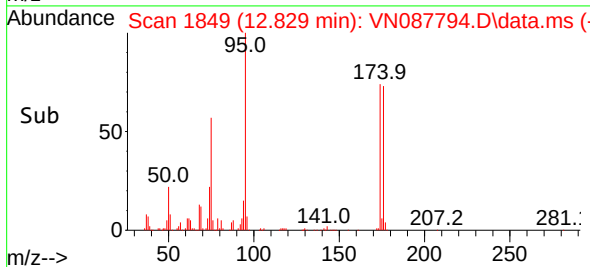
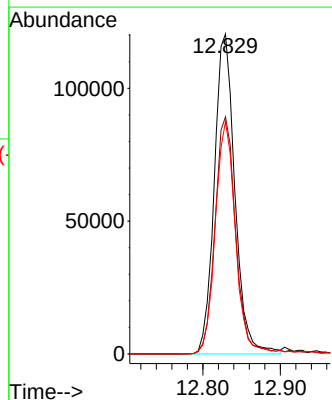
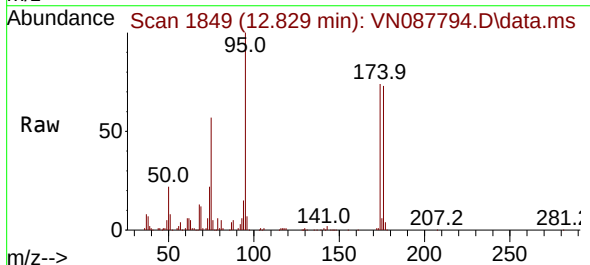
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

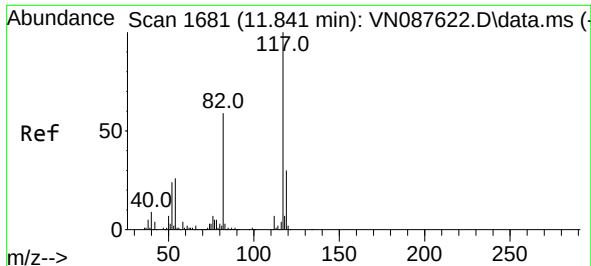
Tgt Ion: 98 Resp: 648133
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.740 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 95 Resp: 222270
Ion Ratio Lower Upper
95 100
174 75.3 0.0 138.4
176 71.4 0.0 132.6

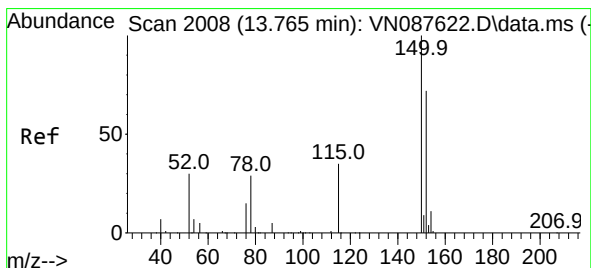
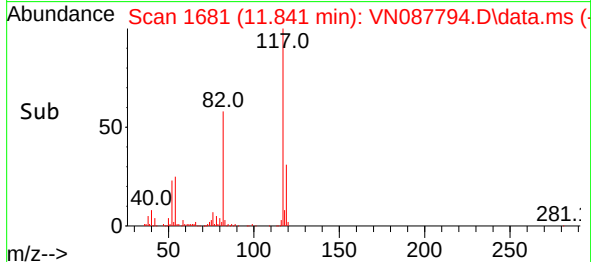
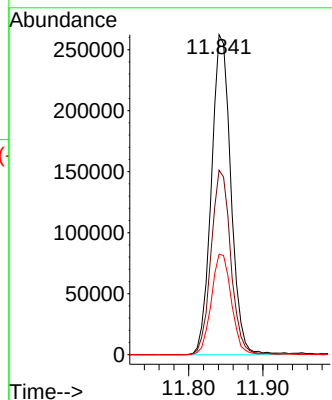
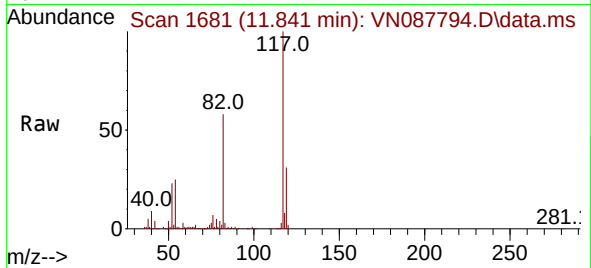




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Tgt Ion:117 Resp: 478608
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 31.4 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: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion:152 Resp: 224924
Ion Ratio Lower Upper
152 100
115 63.3 32.3 96.8
150 160.3 0.0 351.0

