

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088104.D
 Acq On : 27 Oct 2025 11:34
 Operator : JC\MD
 Sample : VN1027WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBL01

Quant Time: Oct 28 01:22:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	198801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	446179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	422679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	199580	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	209923	61.065	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.140%
35) Dibromofluoromethane	8.147	113	158342	52.825	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.660%
50) Toluene-d8	10.547	98	576347	49.901	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.800%
62) 4-Bromofluorobenzene	12.829	95	211880	51.945	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.900%

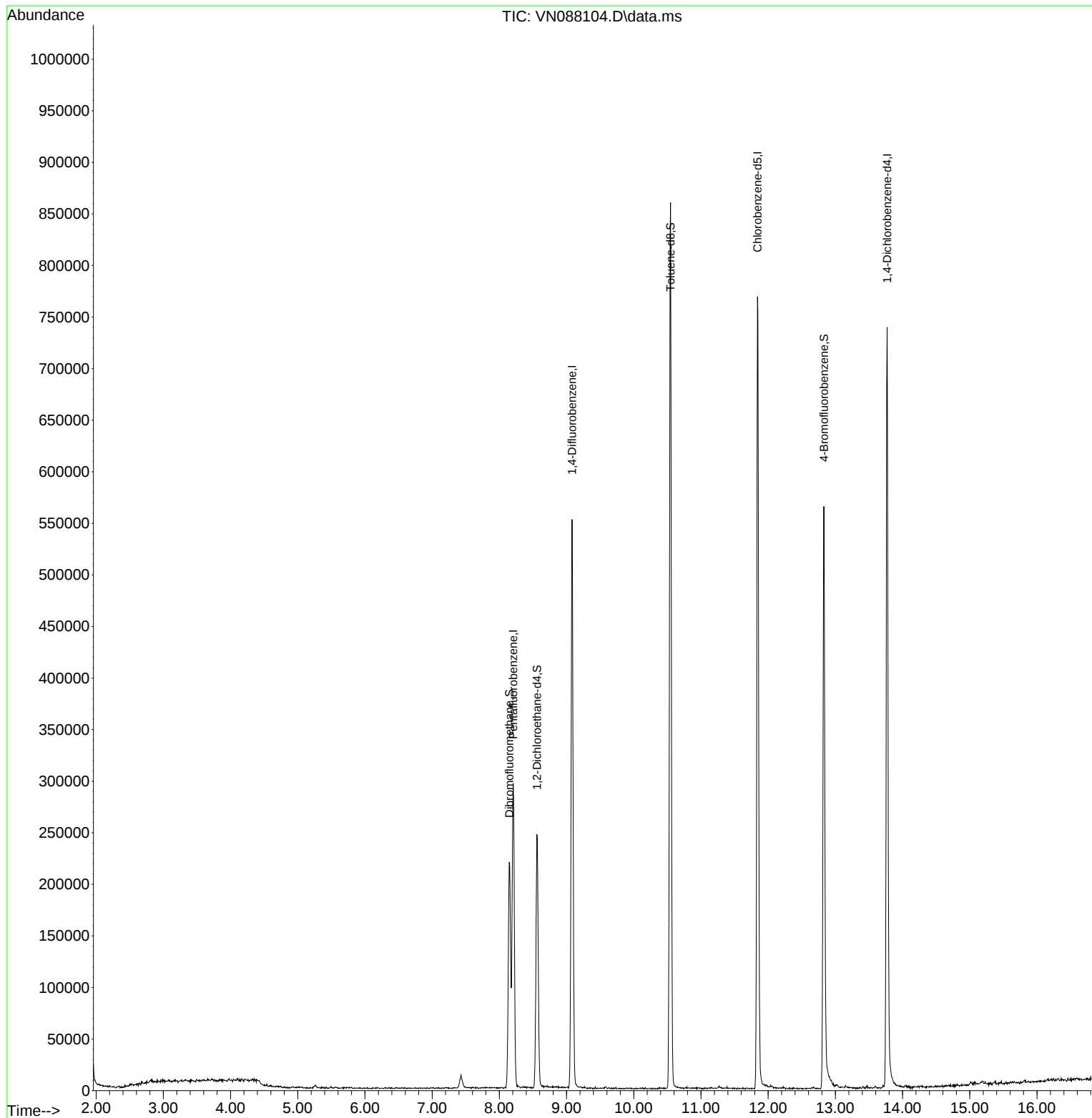
Target Compounds	Qvalue

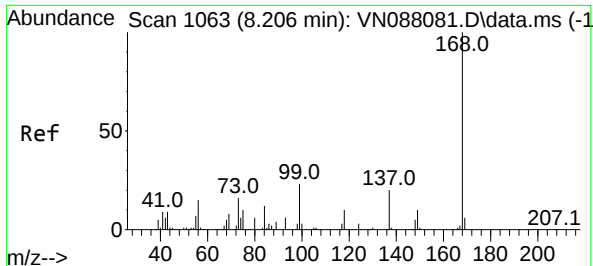
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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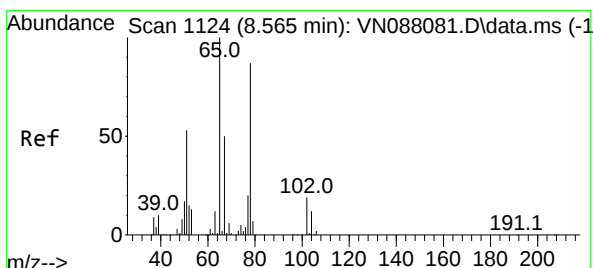
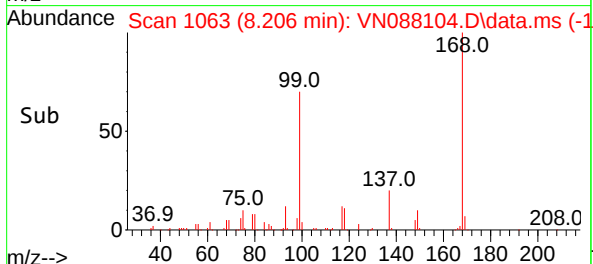
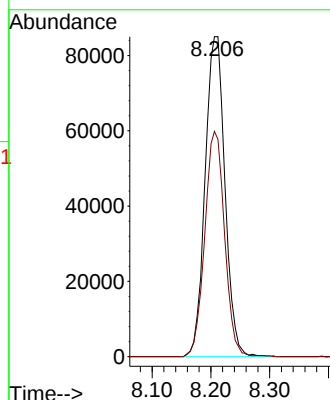
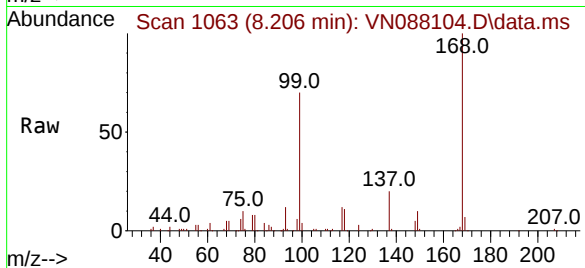




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 110
Delta R.T. 0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

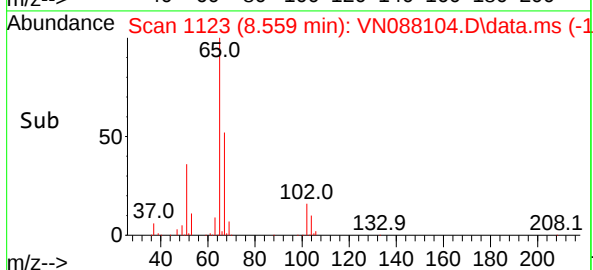
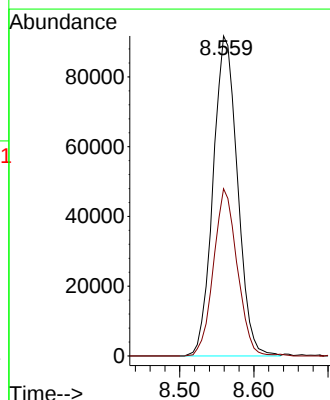
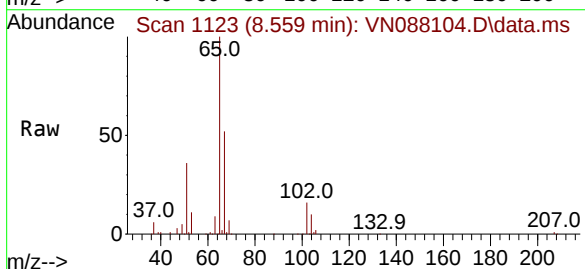
Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

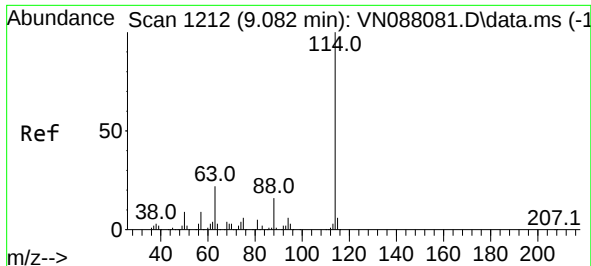
Tgt Ion:168 Resp: 198801
Ion Ratio Lower Upper
168 100
99 70.4 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 61.065 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion: 65 Resp: 209923
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0

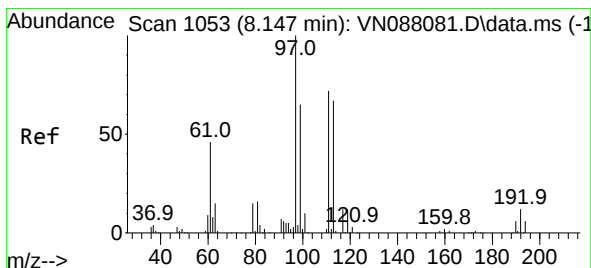
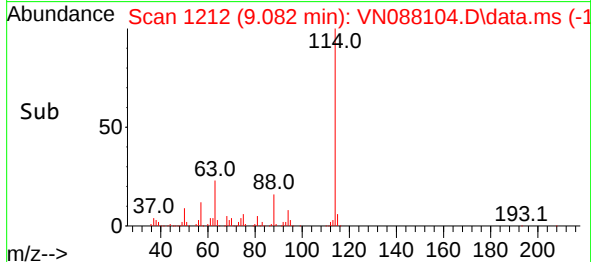
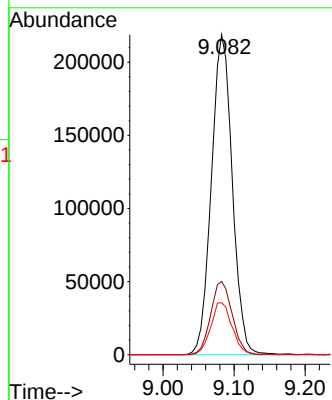
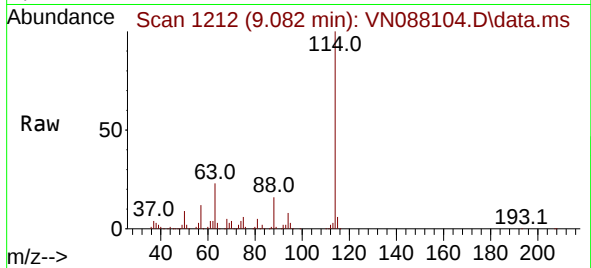




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

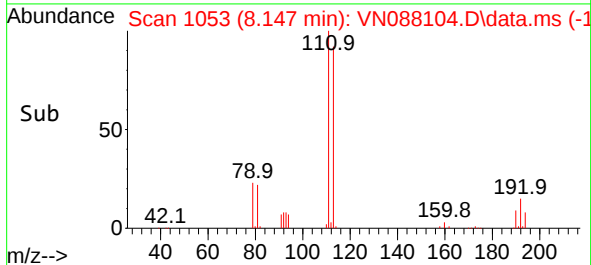
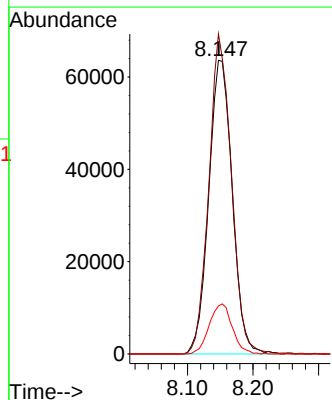
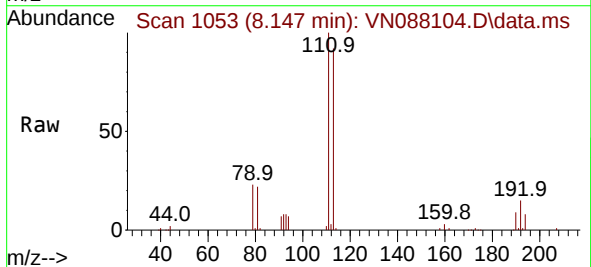
Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

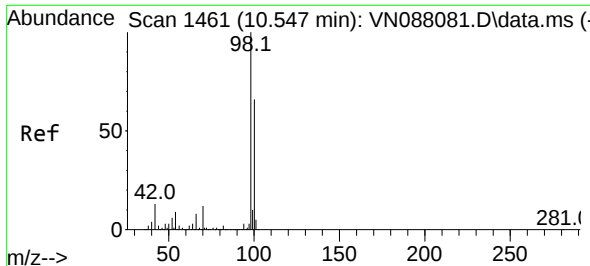
Tgt Ion:114 Resp: 446179
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.2
88 16.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 52.825 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion:113 Resp: 158342
Ion Ratio Lower Upper
113 100
111 104.4 82.8 124.2
192 16.7 12.8 19.2

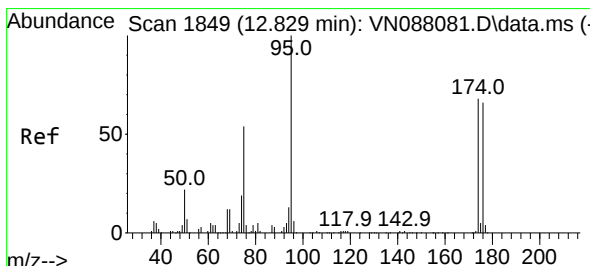
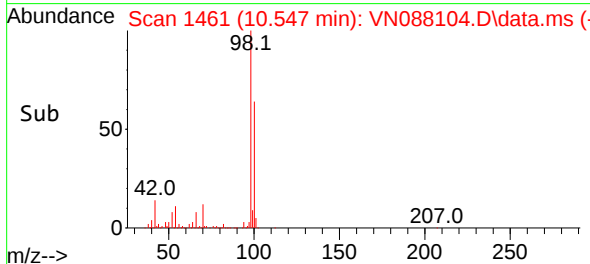
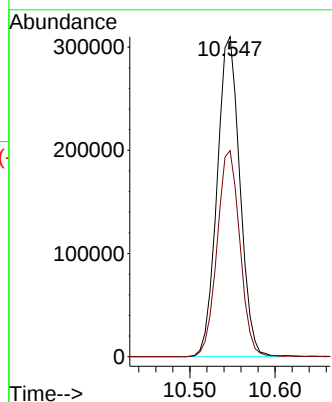
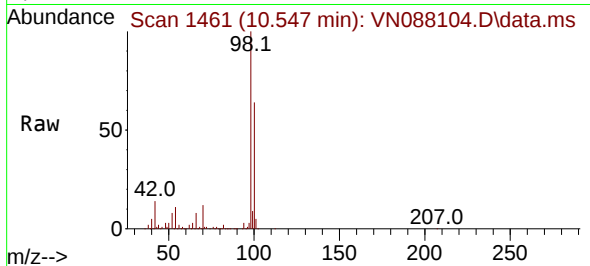




#50
Toluene-d8
Concen: 49.901 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

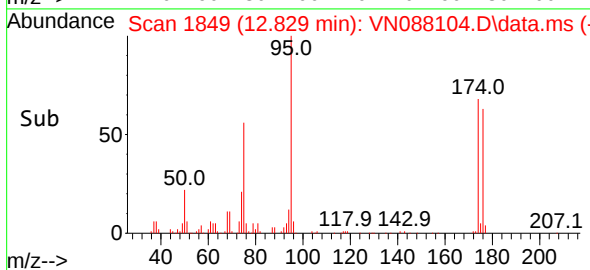
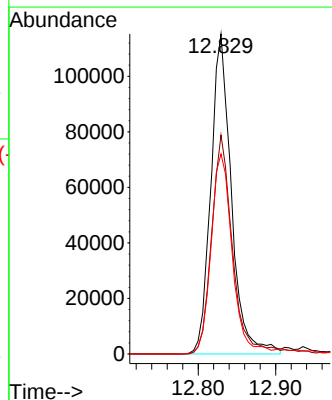
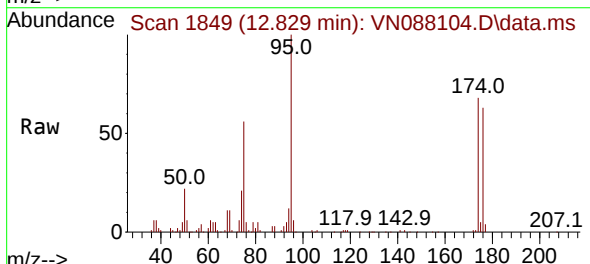
Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

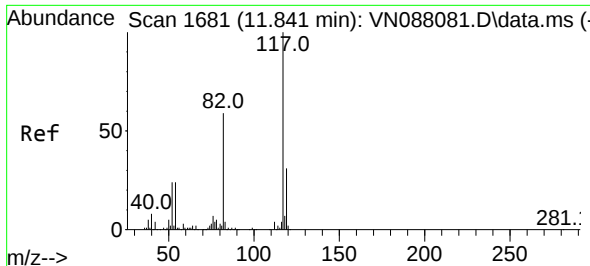
Tgt Ion: 98 Resp: 576347
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.945 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion: 95 Resp: 211880
Ion Ratio Lower Upper
95 100
174 70.5 0.0 138.4
176 64.4 0.0 132.6

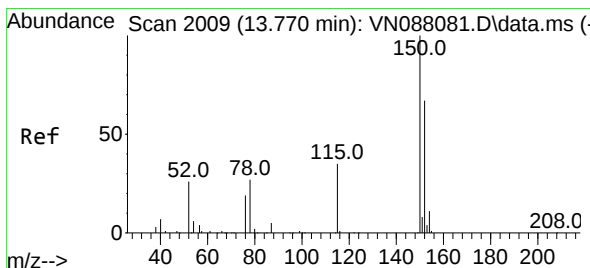
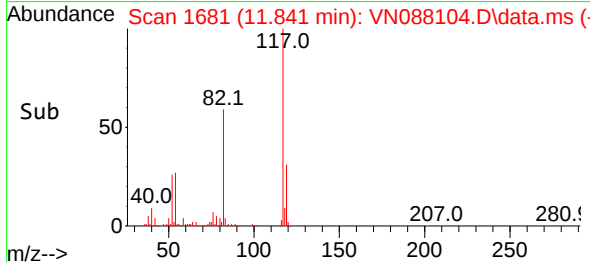
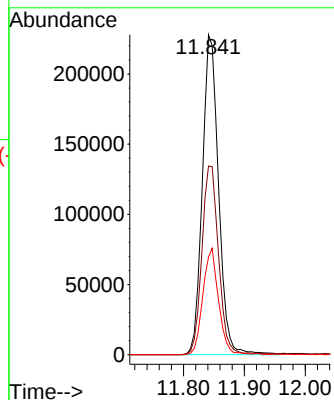
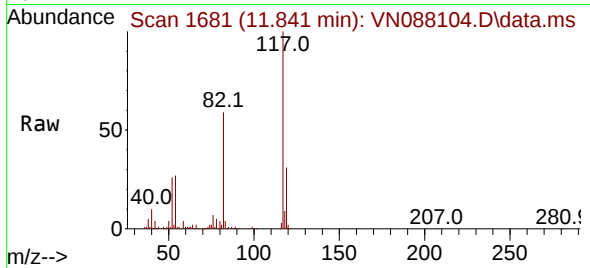




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Tgt Ion:117 Resp: 422679
Ion Ratio Lower Upper
117 100
82 59.0 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: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion:152 Resp: 199580
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 160.9 0.0 351.0

