

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100125\
 Data File : VN088002.D
 Acq On : 01 Oct 2025 09:39
 Operator : JC\MD
 Sample : VN1001MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001MBL01

Quant Time: Oct 01 09:58:38 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	161740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	369539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	362298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	161908	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	166107	61.025	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.040%
35) Dibromofluoromethane	8.147	113	139948	52.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.320%
50) Toluene-d8	10.547	98	474966	50.339	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.829	95	155327	46.056	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.120%

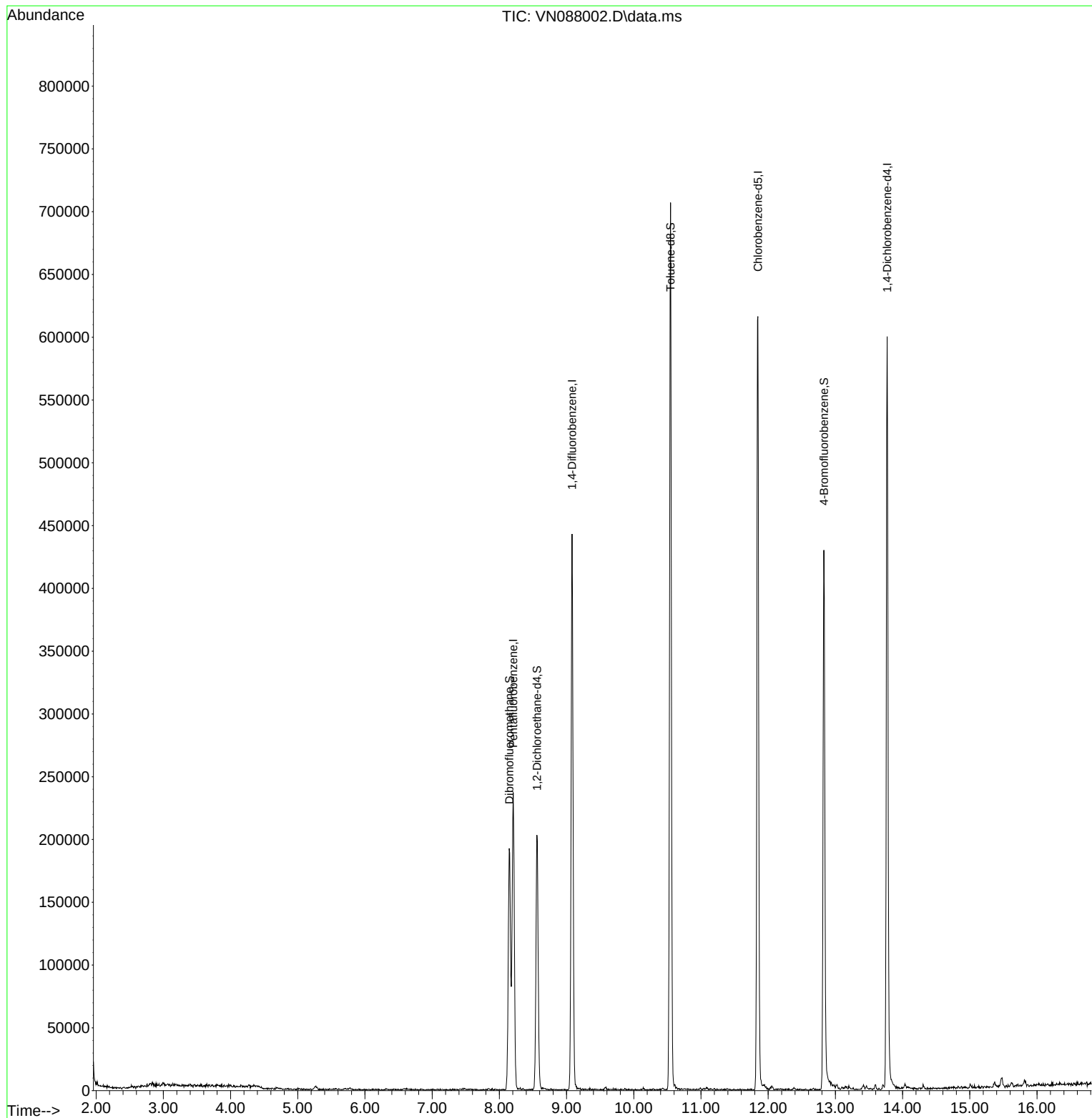
Target Compounds	Qvalue

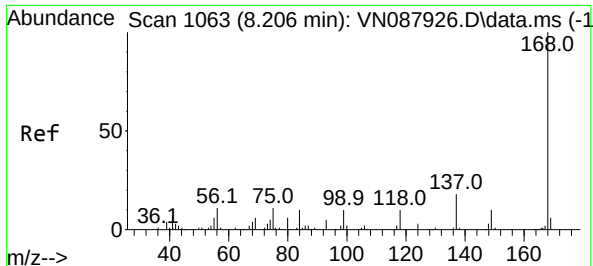
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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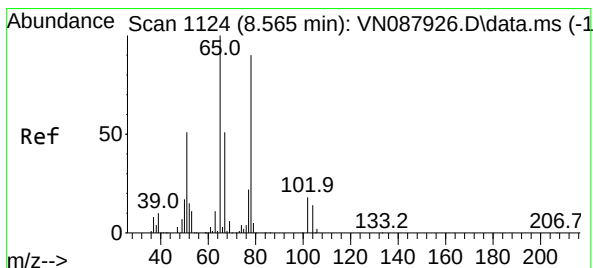
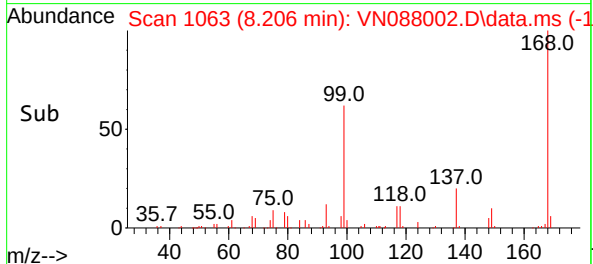
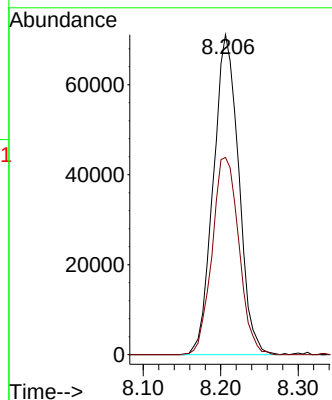
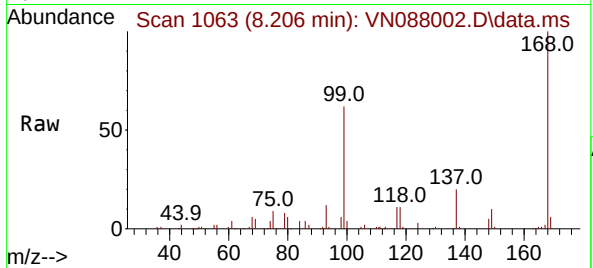




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088002.D
Acq: 01 Oct 2025 09:39

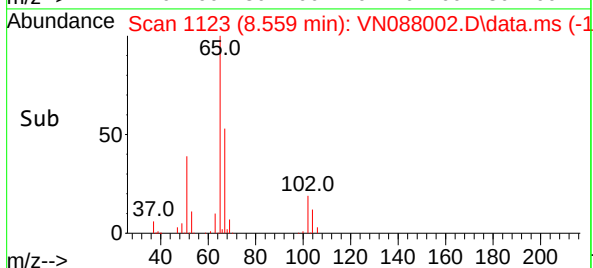
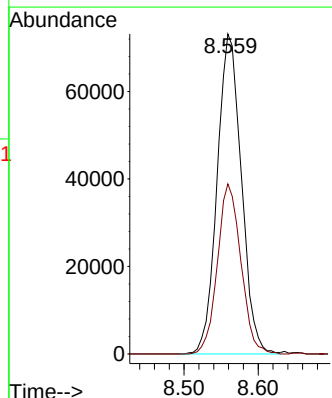
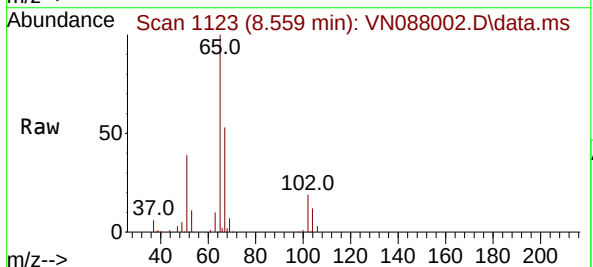
Instrument :
MSVOA_N
ClientSampleId :
VN1001MBL01

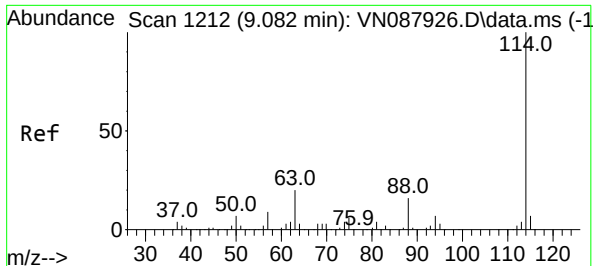
Tgt Ion:168 Resp: 161740
Ion Ratio Lower Upper
168 100
99 61.6 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 61.025 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088002.D
Acq: 01 Oct 2025 09:39

Tgt Ion: 65 Resp: 166107
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088002.D

Acq: 01 Oct 2025 09:39

Instrument :

MSVOA_N

ClientSampleId :

VN1001MBL01

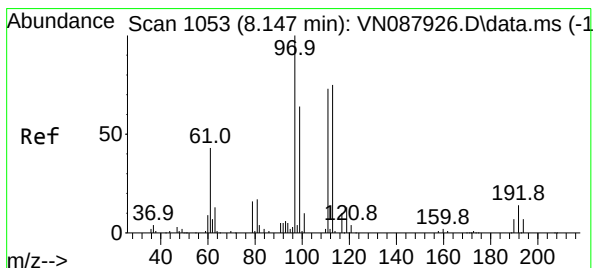
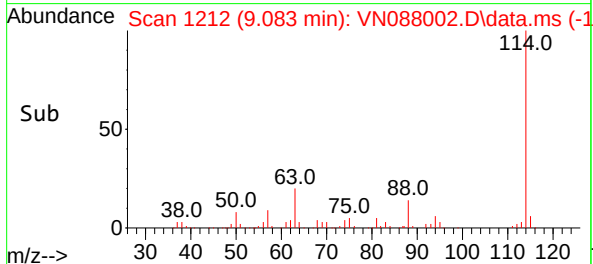
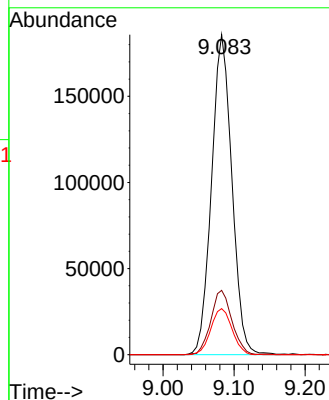
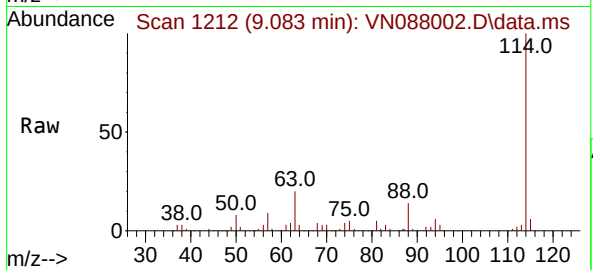
Tgt Ion:114 Resp: 369539

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.160 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN088002.D

Acq: 01 Oct 2025 09:39

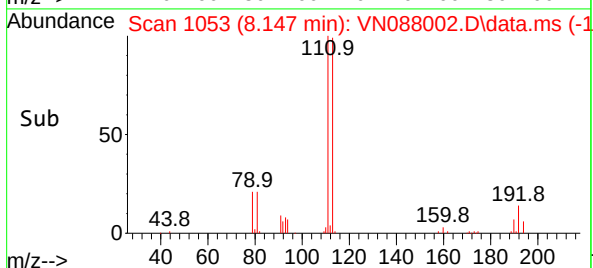
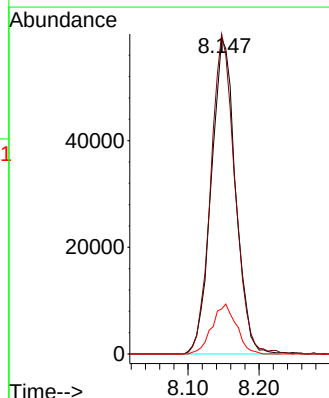
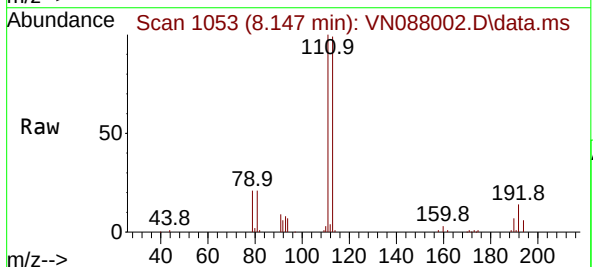
Tgt Ion:113 Resp: 139948

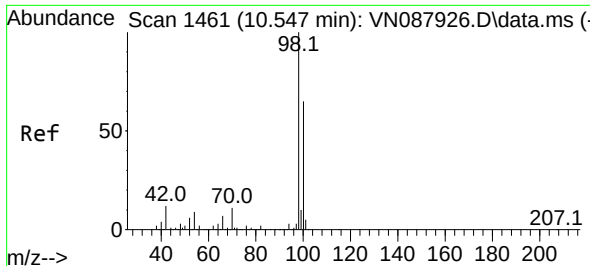
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

192 15.9 14.2 21.2

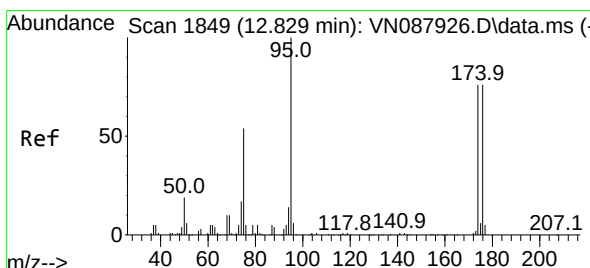
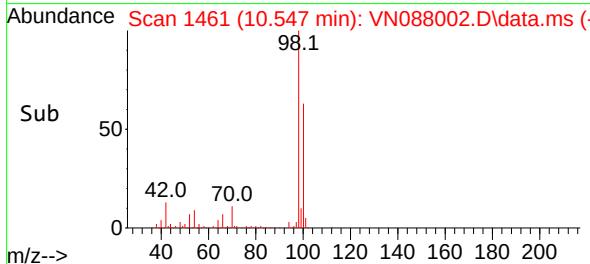
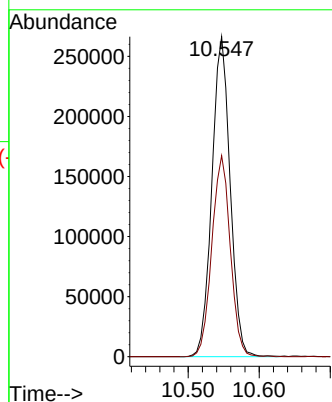
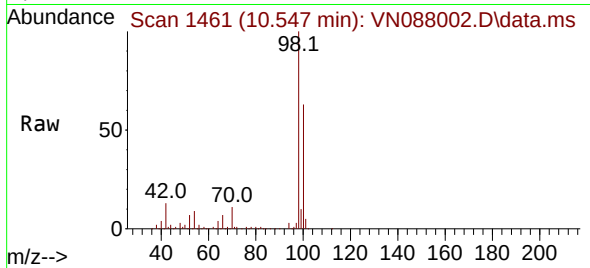




#50
Toluene-d8
Concen: 50.339 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088002.D
Acq: 01 Oct 2025 09:39

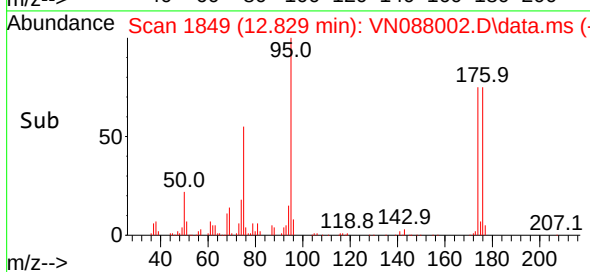
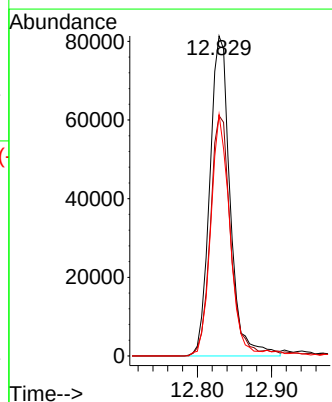
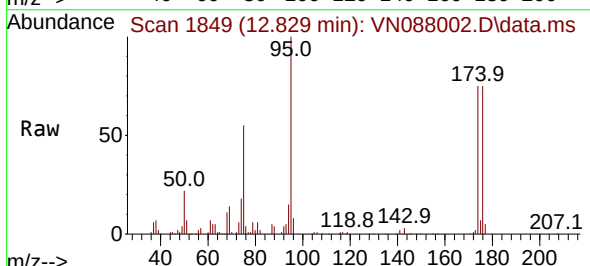
Instrument :
MSVOA_N
ClientSampleId :
VN1001MBL01

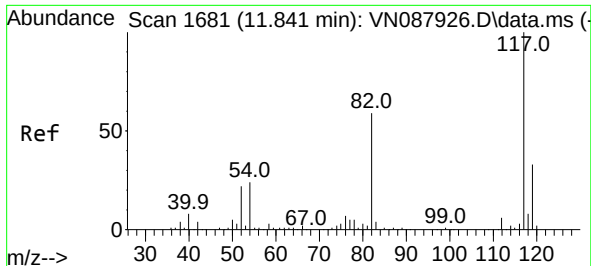
Tgt Ion: 98 Resp: 474966
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.056 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088002.D
Acq: 01 Oct 2025 09:39

Tgt Ion: 95 Resp: 155327
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.2
176 70.5 0.0 152.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN088002.D

Acq: 01 Oct 2025 09:39

Instrument :

MSVOA_N

ClientSampleId :

VN1001MBL01

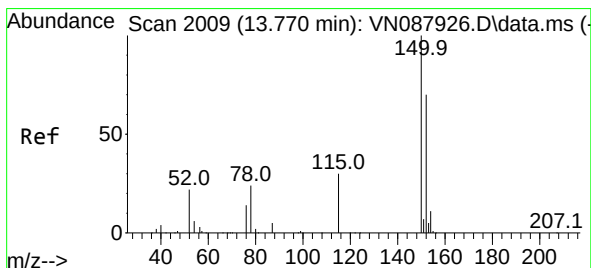
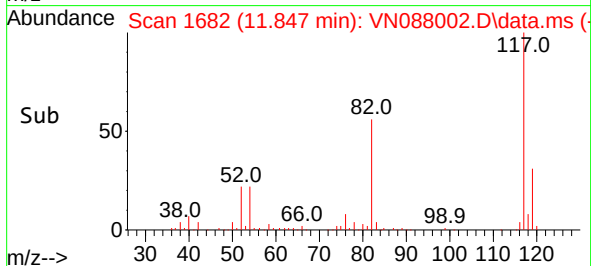
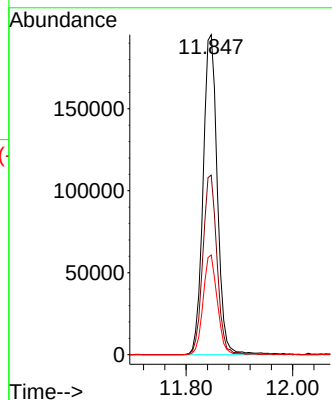
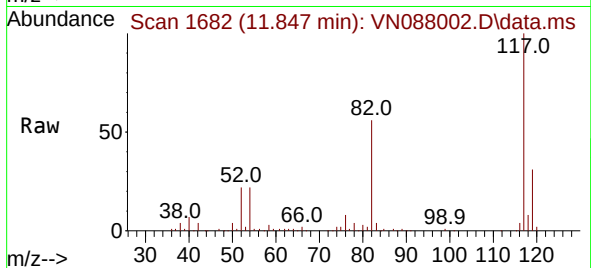
Tgt Ion:117 Resp: 362298

Ion Ratio Lower Upper

117 100

82 56.1 47.0 70.4

119 31.1 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: VN088002.D

Acq: 01 Oct 2025 09:39

Tgt Ion:152 Resp: 161908

Ion Ratio Lower Upper

152 100

115 62.1 29.9 89.7

150 163.1 0.0 335.0

