

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088518.D
 Acq On : 16 Dec 2025 11:24
 Operator : JC\MD
 Sample : VN1216MBL01
 Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216MBL01

Quant Time: Dec 17 01:36:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	321084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	733315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	721892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	325495	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	359665	59.463	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.920%
35) Dibromofluoromethane	8.147	113	274763	54.068	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.140%
50) Toluene-d8	10.541	98	968922	51.243	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.480%
62) 4-Bromofluorobenzene	12.824	95	344643	53.122	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.240%

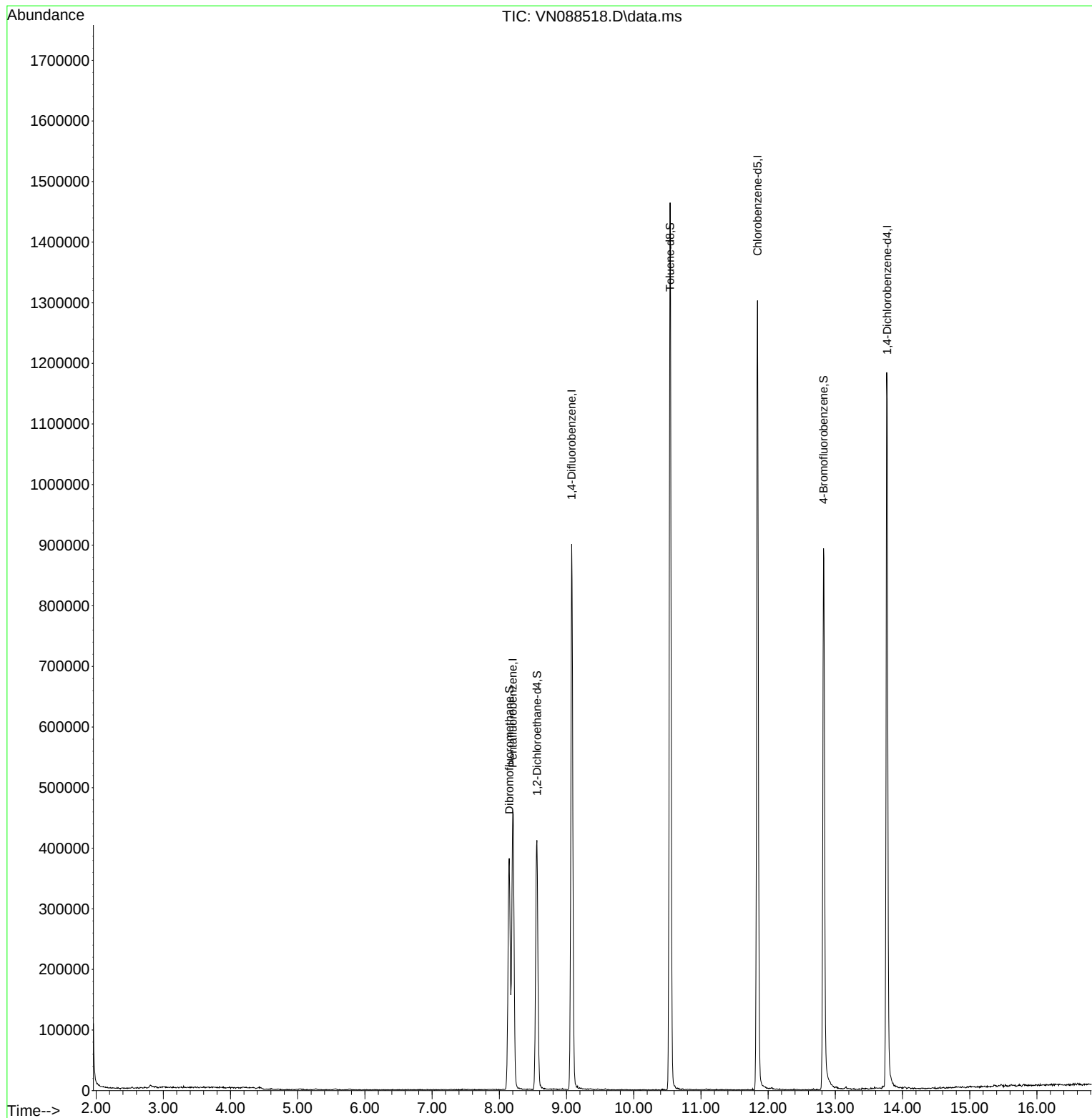
Target Compounds	Qvalue

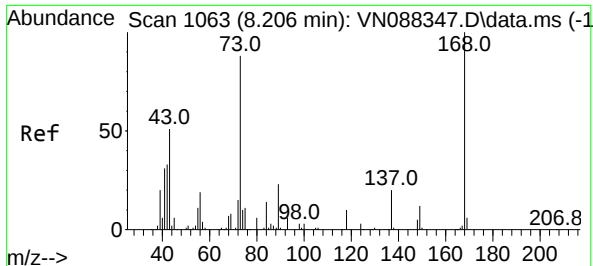
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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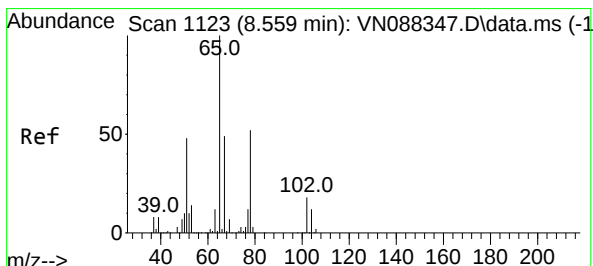
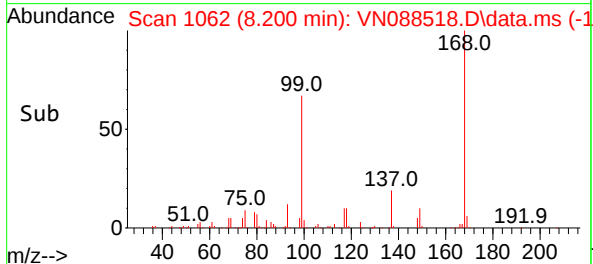
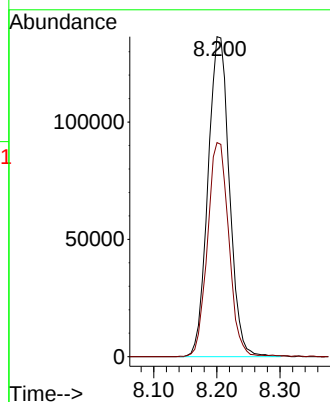
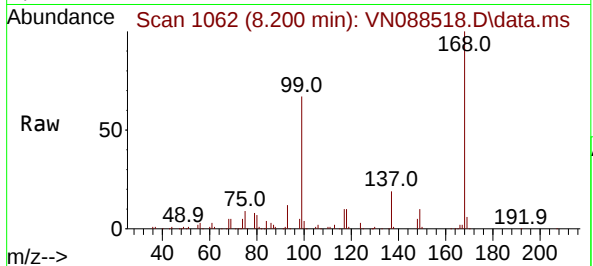




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

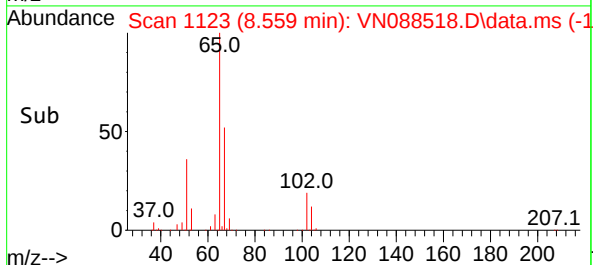
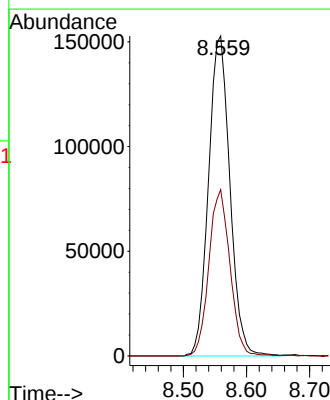
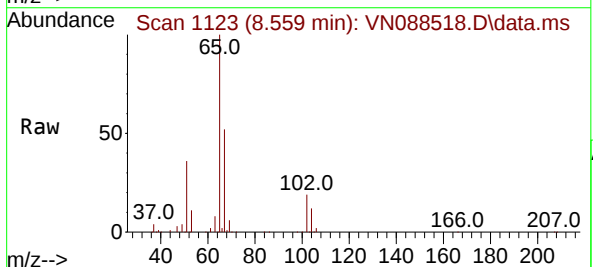
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

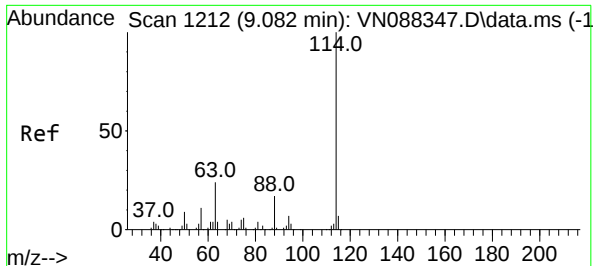
Tgt Ion:168 Resp: 321084
Ion Ratio Lower Upper
168 100
99 66.7 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 59.463 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

Tgt Ion: 65 Resp: 359665
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

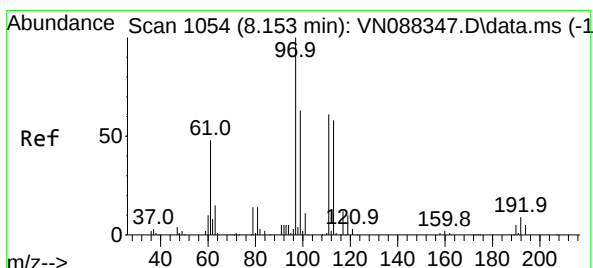
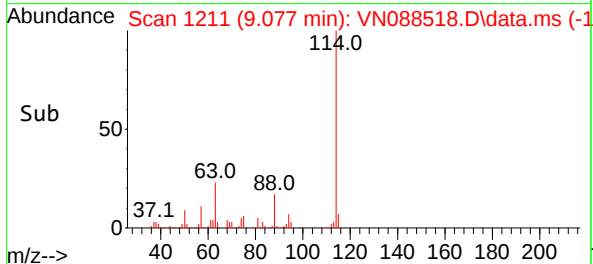
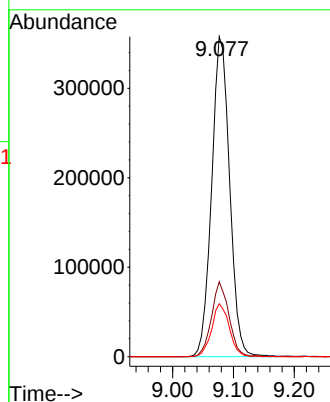
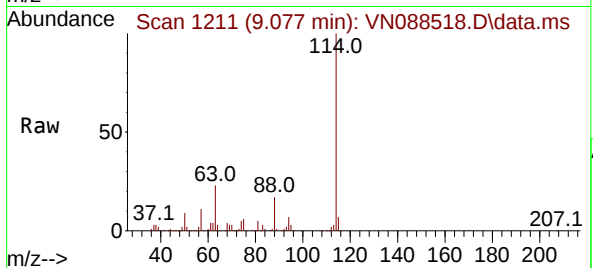
Tgt Ion:114 Resp: 733315

Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.0

88 16.6 0.0 34.0



#35

Dibromofluoromethane

Concen: 54.068 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

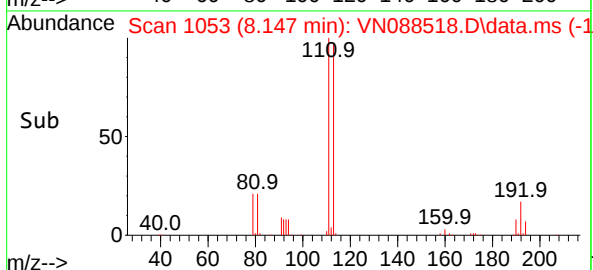
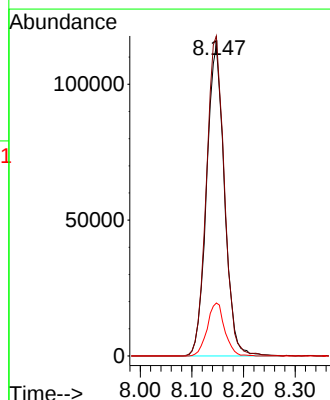
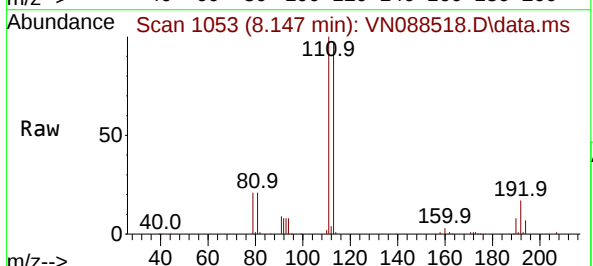
Tgt Ion:113 Resp: 274763

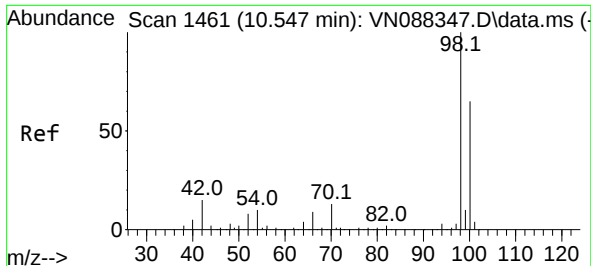
Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 16.6 12.8 19.2

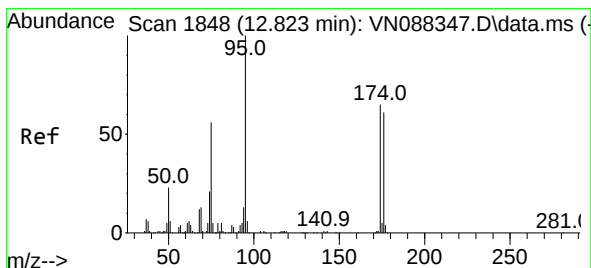
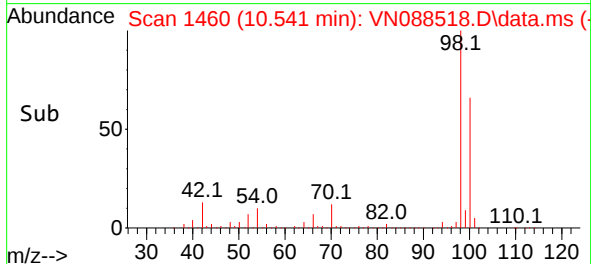
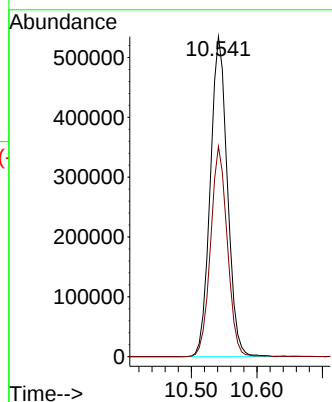
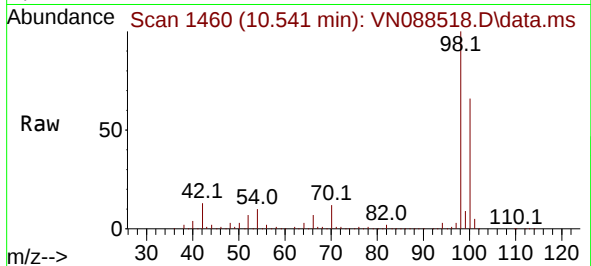




#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

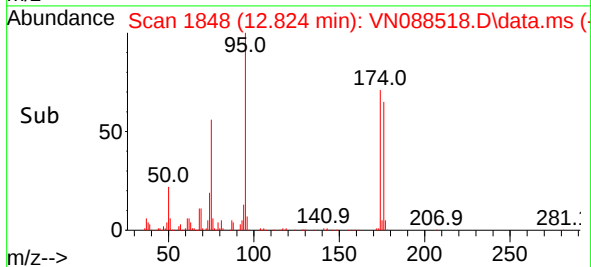
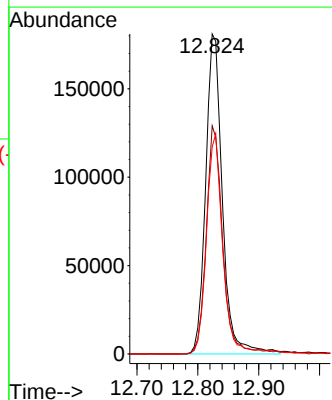
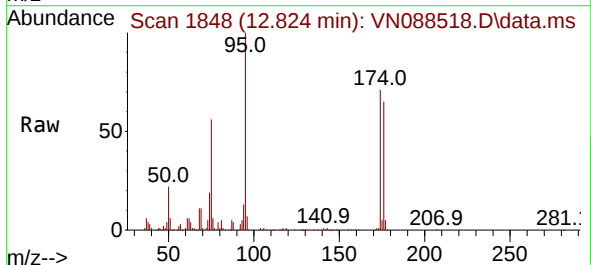
Instrument :
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VN1216MBL01

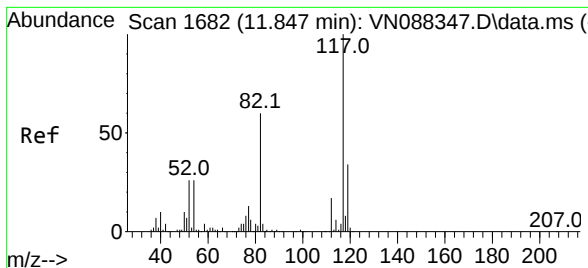
Tgt Ion: 98 Resp: 968922
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 53.122 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

Tgt Ion: 95 Resp: 344643
Ion Ratio Lower Upper
95 100
174 71.3 0.0 139.0
176 67.7 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

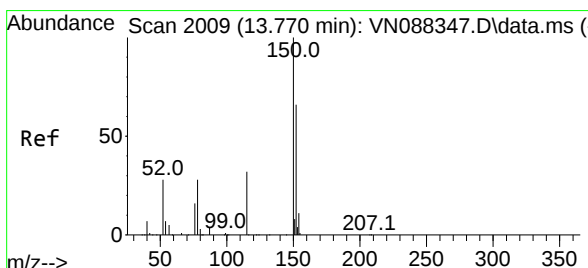
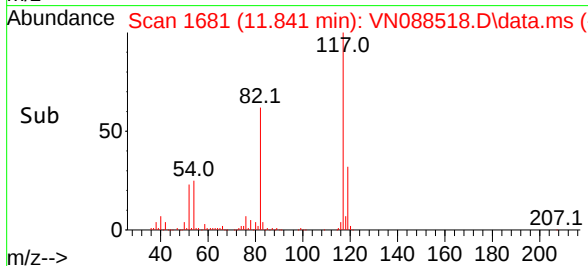
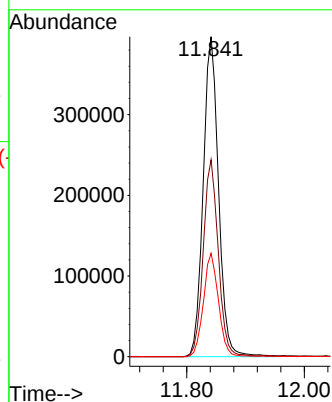
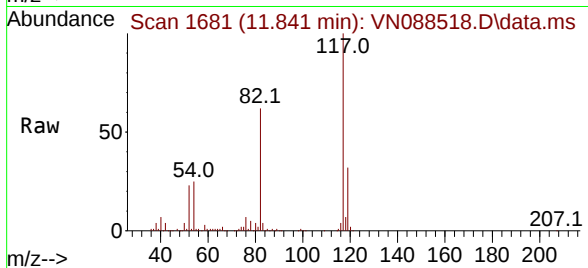
Tgt Ion:117 Resp: 721892

Ion Ratio Lower Upper

117 100

82 61.6 47.8 71.8

119 32.3 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

Tgt Ion:152 Resp: 325495

Ion Ratio Lower Upper

152 100

115 63.9 33.0 98.9

150 155.3 0.0 349.0

