

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087526.D
 Acq On : 13 Aug 2025 11:19
 Operator : JC\MD
 Sample : VN0813MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBL01

Quant Time: Aug 14 03:56:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	251578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	542441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	494655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	227431	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	256405	60.066	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.140%
35) Dibromofluoromethane	8.153	113	185883	49.678	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.360%
50) Toluene-d8	10.547	98	690601	51.741	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.829	95	247250	50.140	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.280%

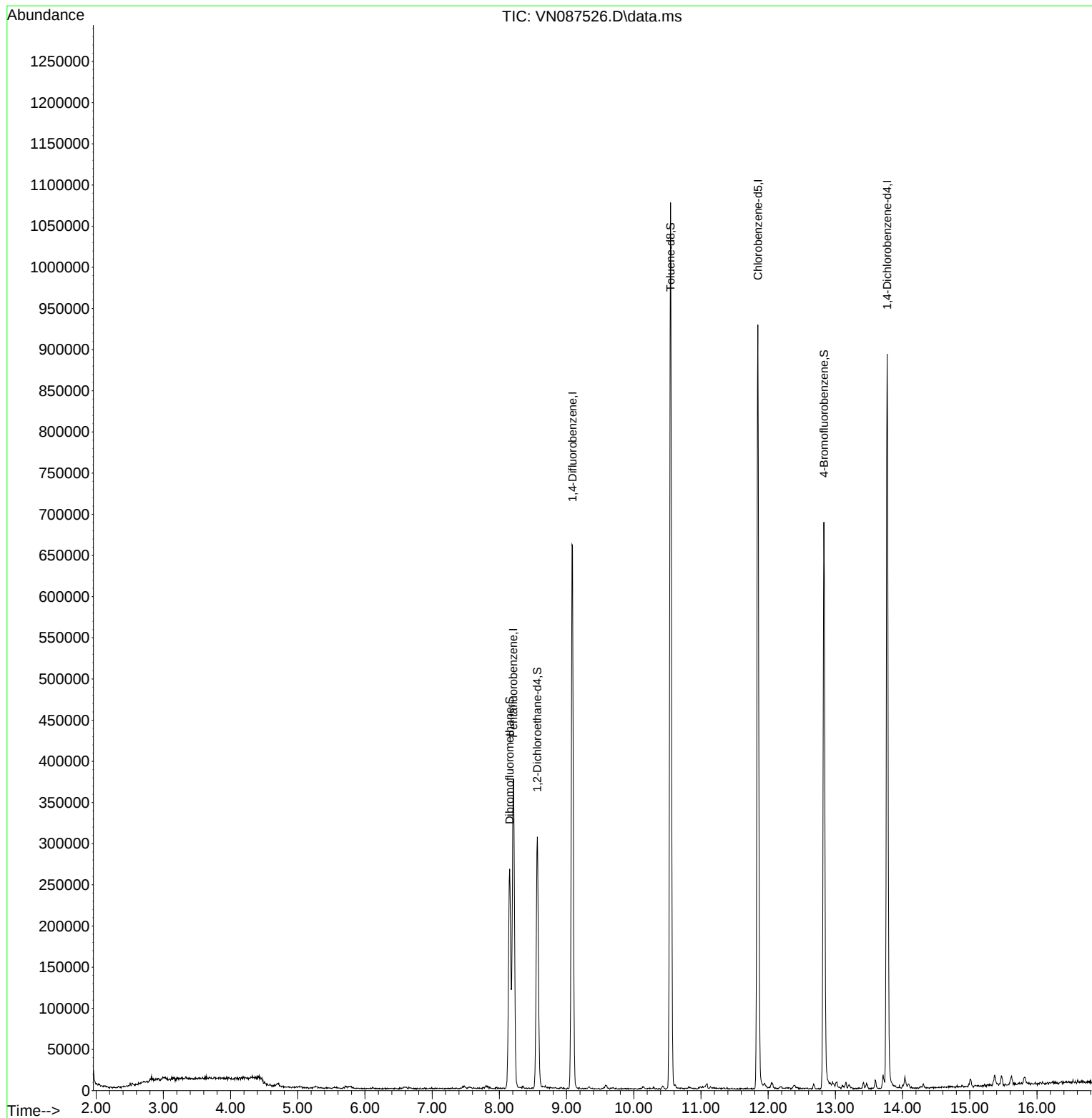
Target Compounds	Qvalue

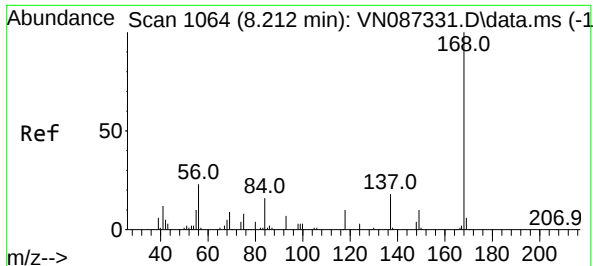
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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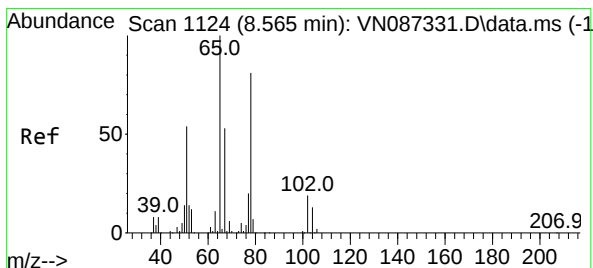
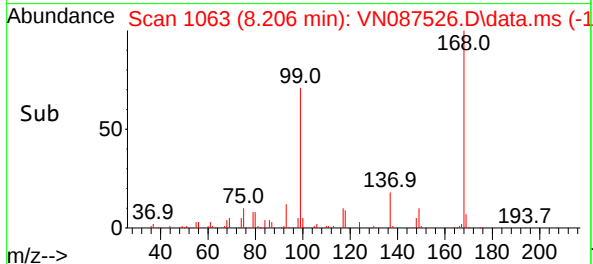
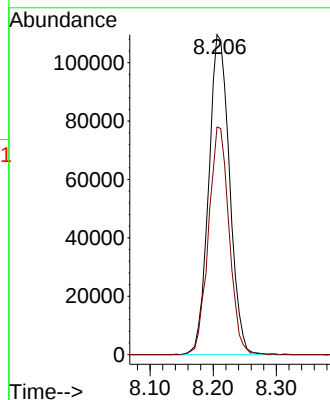
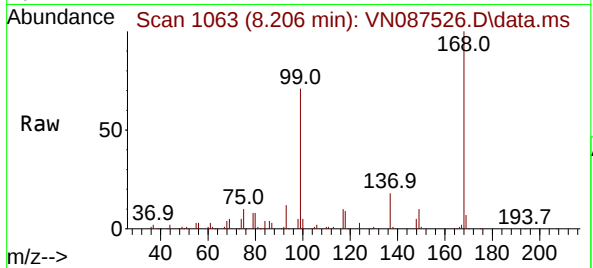




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

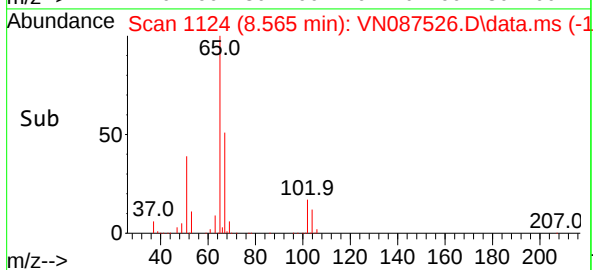
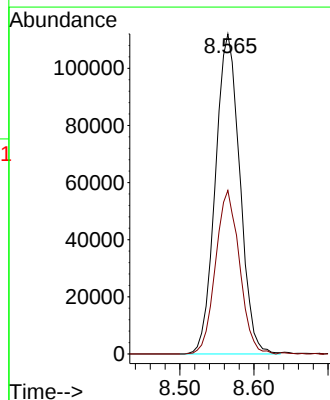
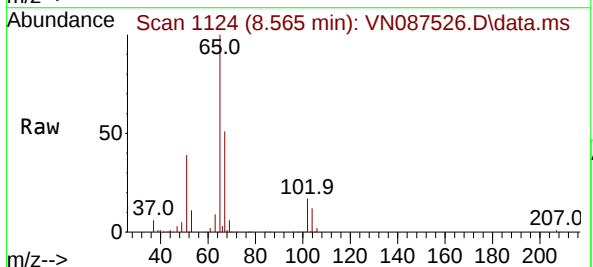
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBL01

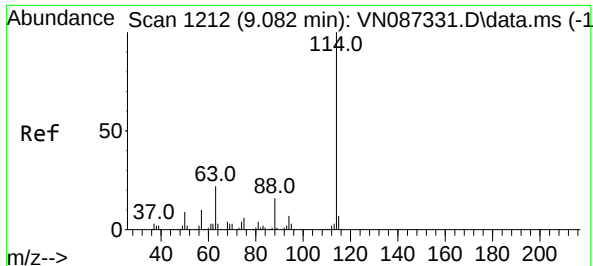
Tgt Ion:168 Resp: 251578
Ion Ratio Lower Upper
168 100
99 71.1 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 60.066 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 65 Resp: 256405
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBL01

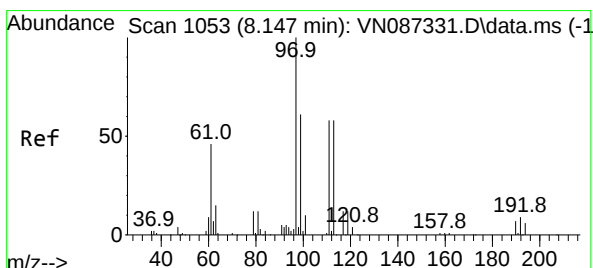
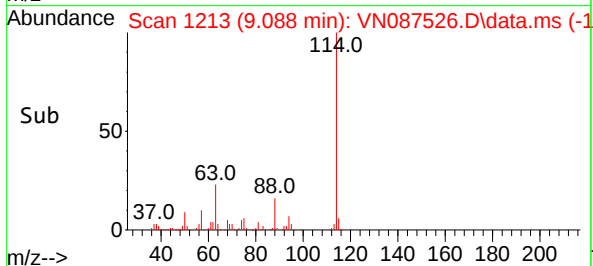
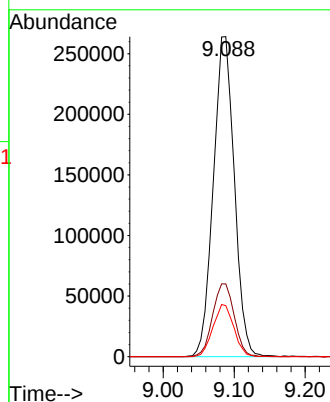
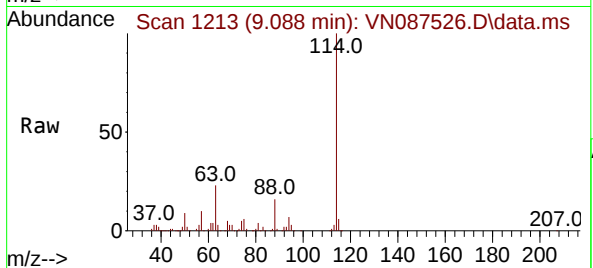
Tgt Ion:114 Resp: 542441

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.678 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

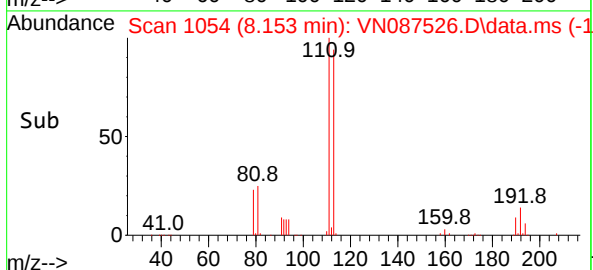
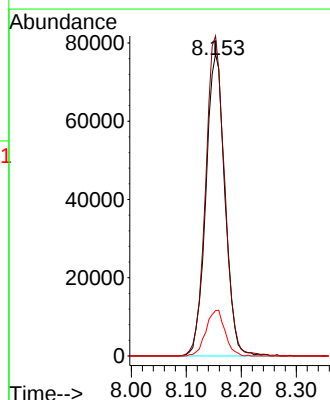
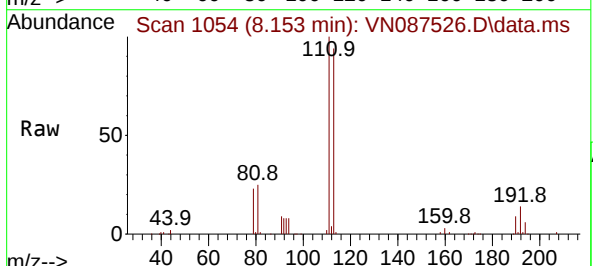
Tgt Ion:113 Resp: 185883

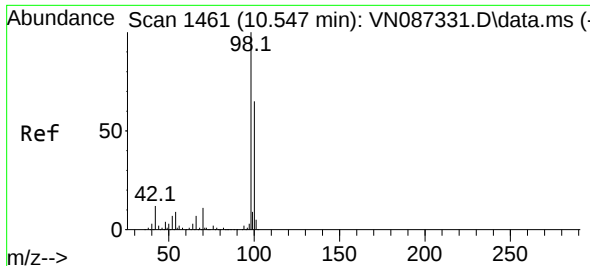
Ion Ratio Lower Upper

113 100

111 105.3 82.5 123.7

192 15.2 13.7 20.5

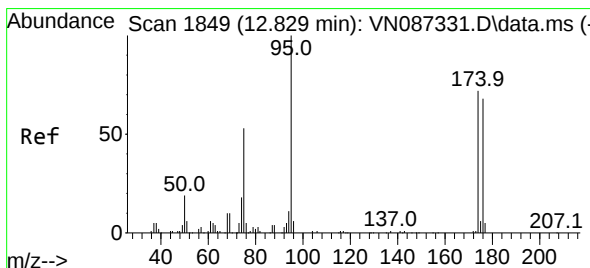
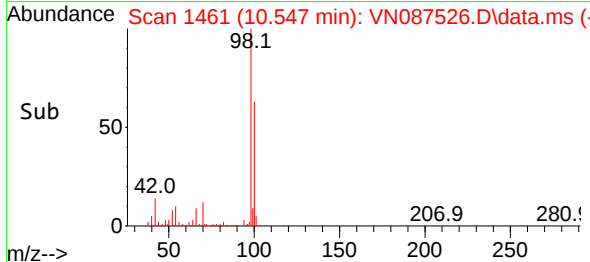
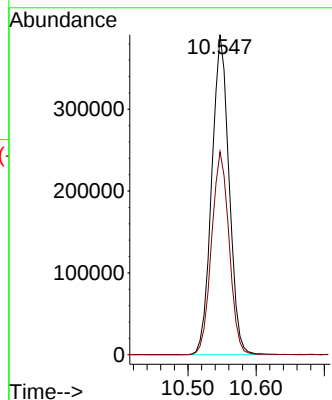
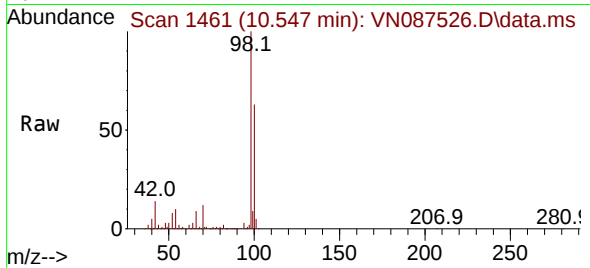




#50
Toluene-d8
Concen: 51.741 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

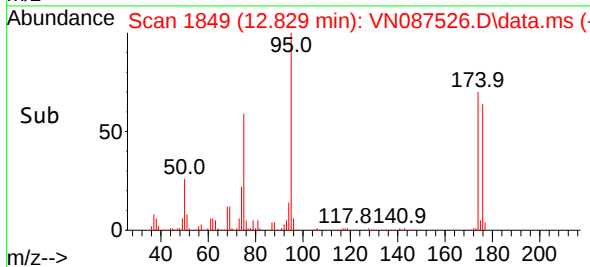
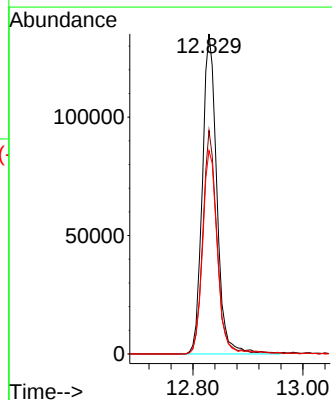
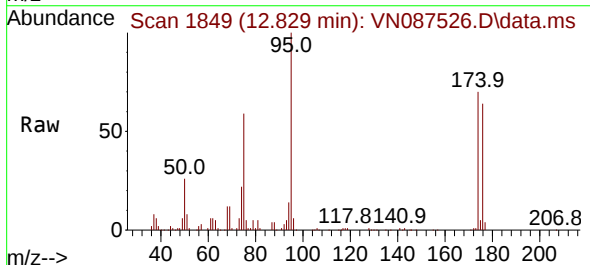
Instrument :
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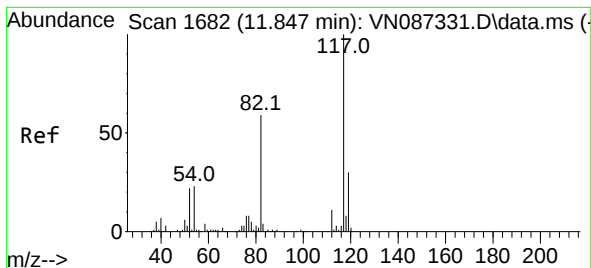
Tgt Ion: 98 Resp: 690601
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 50.140 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 95 Resp: 247250
Ion Ratio Lower Upper
95 100
174 67.7 0.0 149.4
176 65.0 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBL01

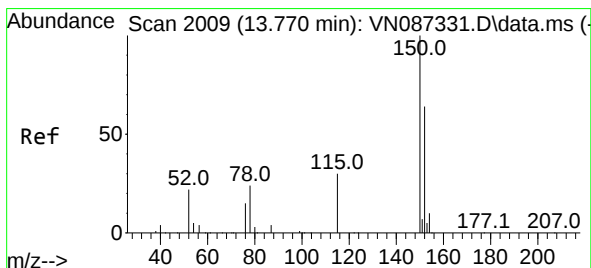
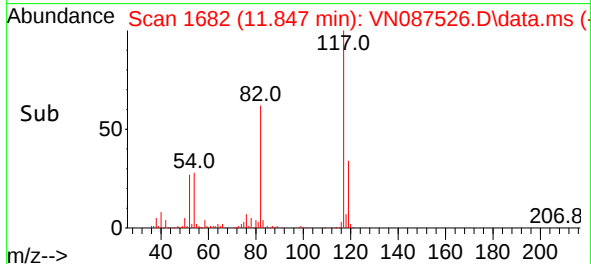
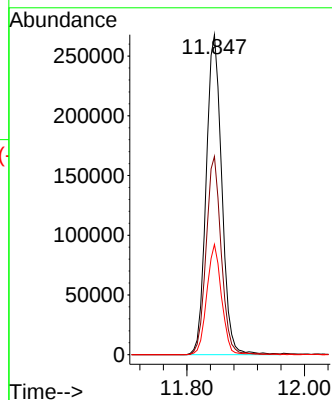
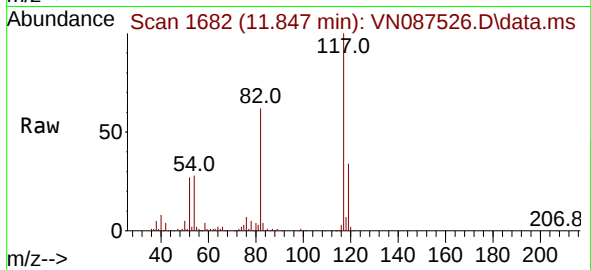
Tgt Ion:117 Resp: 494655

Ion Ratio Lower Upper

117 100

82 61.9 47.4 71.2

119 34.4 23.8 35.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Tgt Ion:152 Resp: 227431

Ion Ratio Lower Upper

152 100

115 65.5 31.1 93.5

150 160.8 0.0 349.0

