

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088424.D
 Acq On : 03 Dec 2025 13:33
 Operator : JC\MD
 Sample : Q3756-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OW-04B-26.5-120225

Quant Time: Dec 04 00:18:14 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	8.206	168	188921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	446620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	452817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	227277	63.862	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 127.720%#	
35) Dibromofluoromethane	8.147	113	160972	52.009	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.020%	
50) Toluene-d8	10.541	98	543086	47.159	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.320%	
62) 4-Bromofluorobenzene	12.829	95	198952	50.350	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.700%	

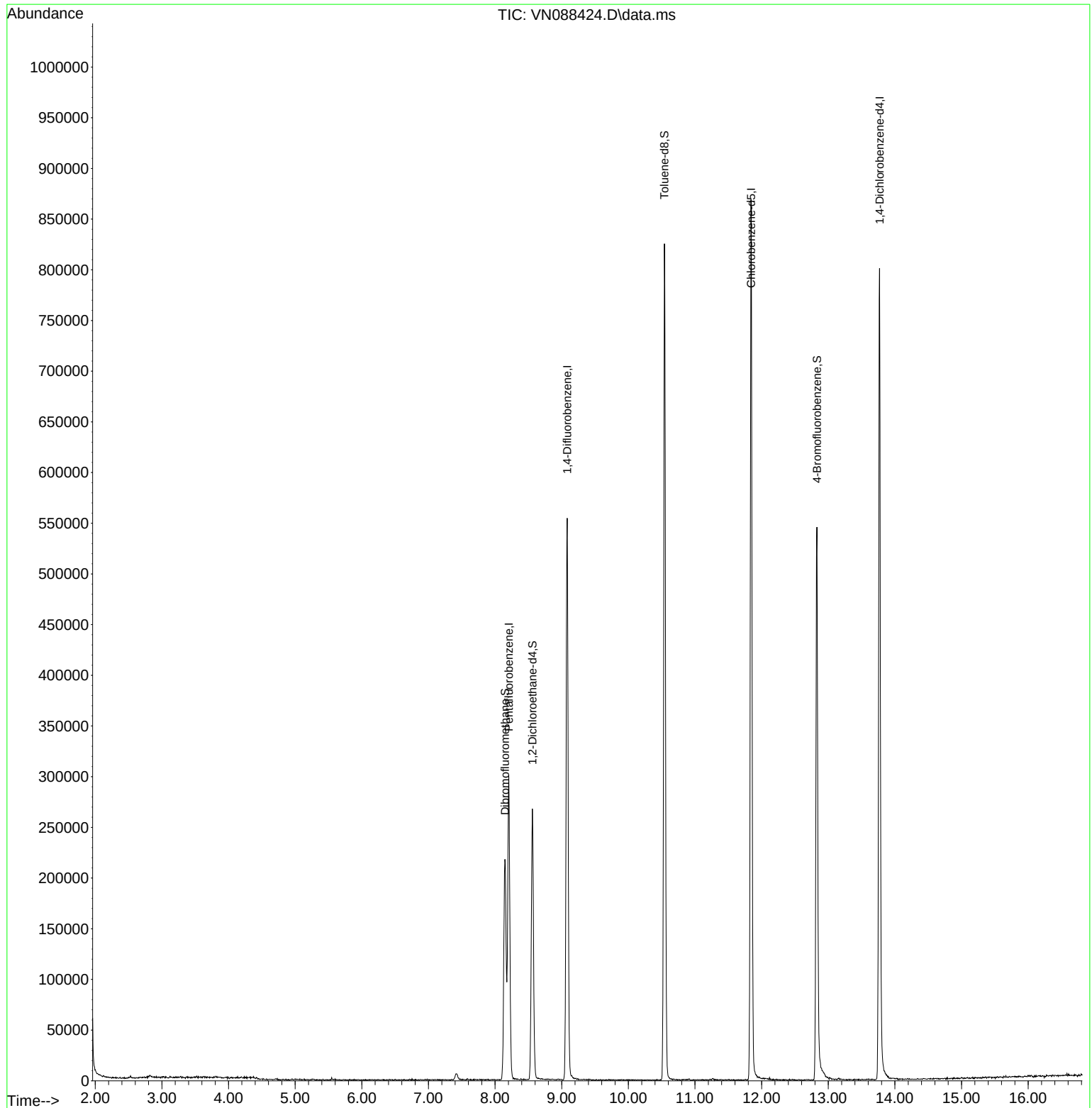
Target Compounds Qvalue

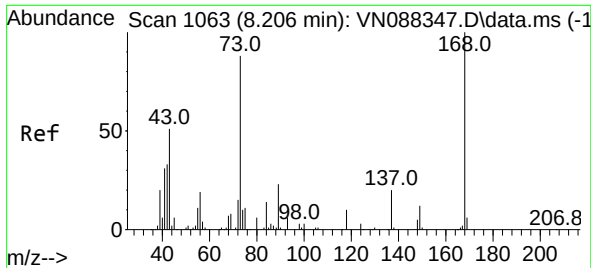
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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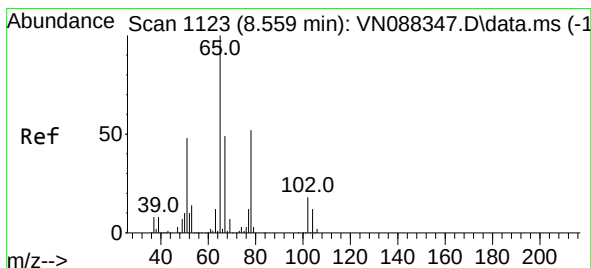
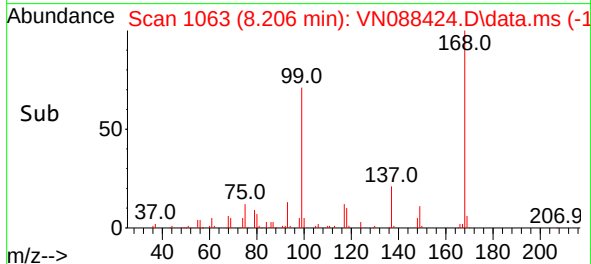
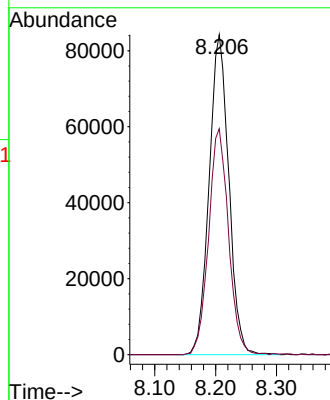
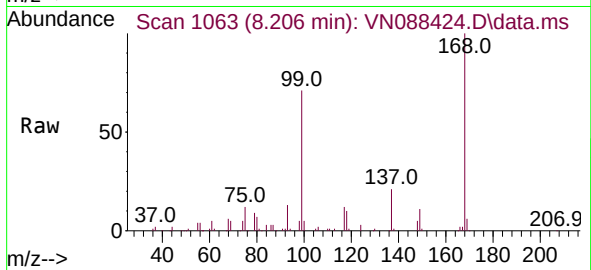




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

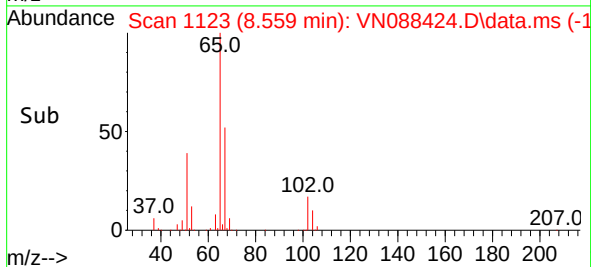
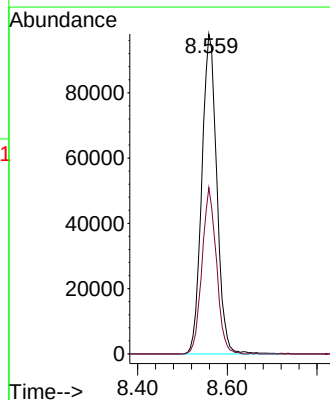
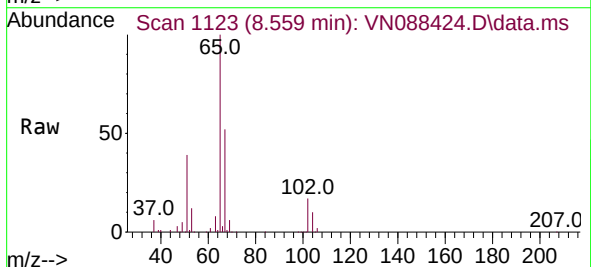
Instrument :
MSVOA_N
ClientSampleId :
OW-04B-26.5-120225

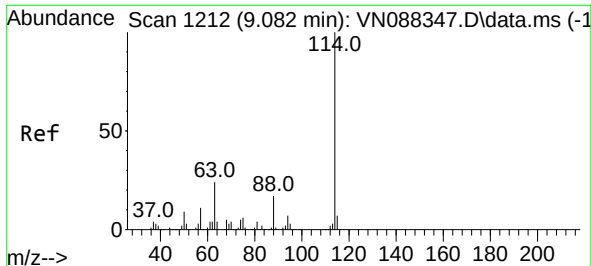
Tgt Ion:168 Resp: 188921
Ion Ratio Lower Upper
168 100
99 70.6 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 63.862 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088424.D
Acq: 03 Dec 2025 13:33

Tgt Ion: 65 Resp: 227277
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088424.D

Acq: 03 Dec 2025 13:33

Instrument :

MSVOA_N

ClientSampleId :

OW-04B-26.5-120225

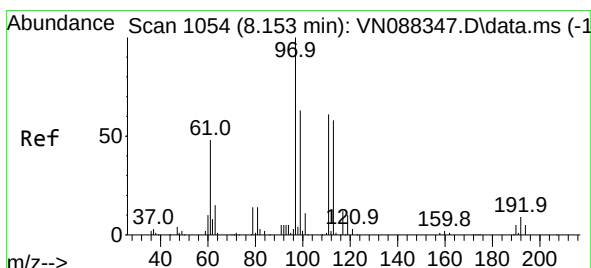
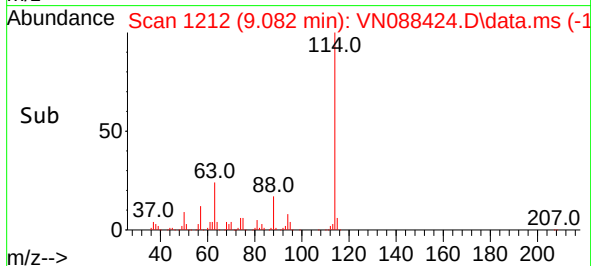
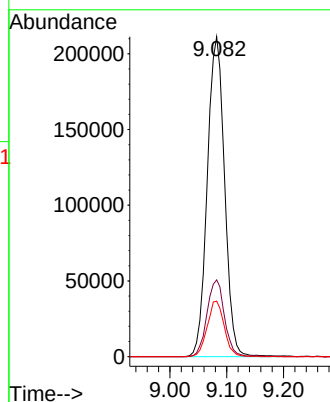
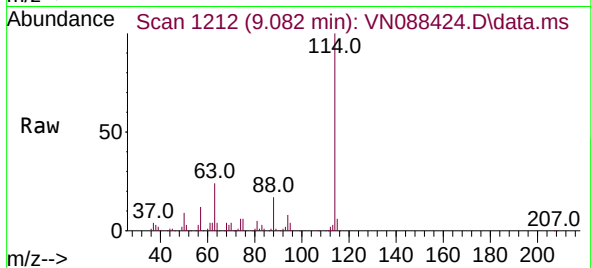
Tgt Ion:114 Resp: 446620

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.0

88 17.3 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.009 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088424.D

Acq: 03 Dec 2025 13:33

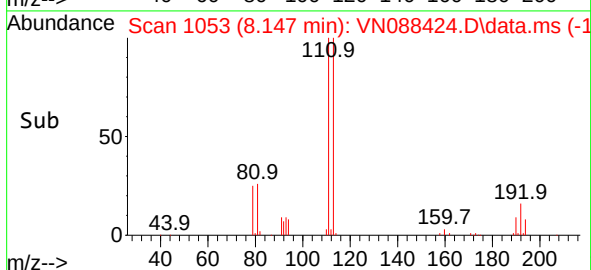
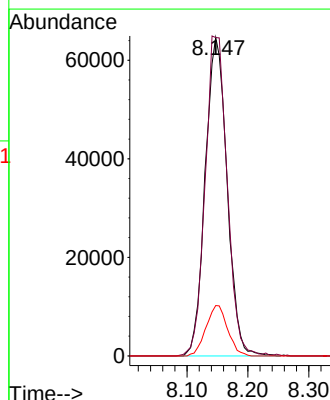
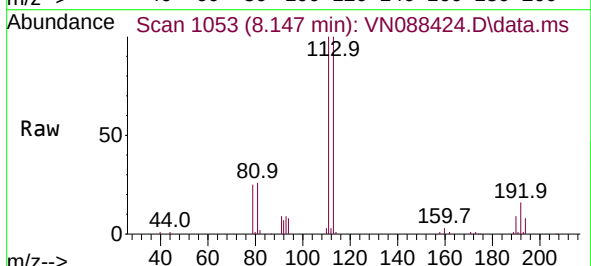
Tgt Ion:113 Resp: 160972

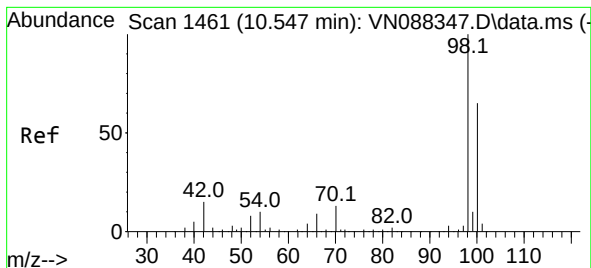
Ion Ratio Lower Upper

113 100

111 101.5 82.5 123.7

192 15.6 12.8 19.2





#50

Toluene-d8

Concen: 47.159 ug/l

RT: 10.541 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VN088424.D

Acq: 03 Dec 2025 13:33

Instrument :

MSVOA_N

ClientSampleId :

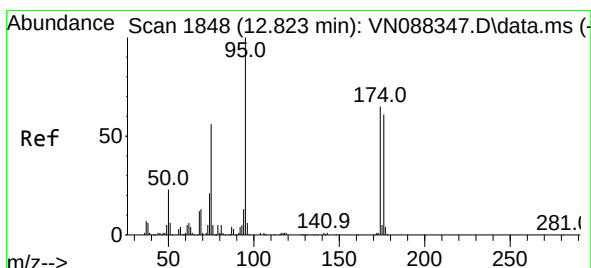
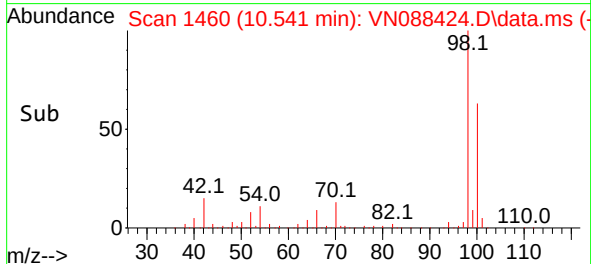
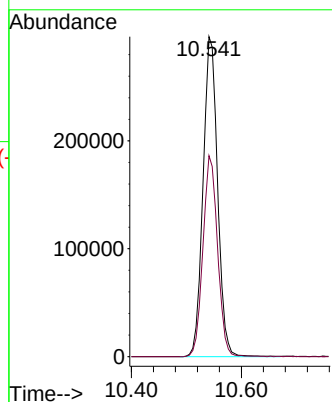
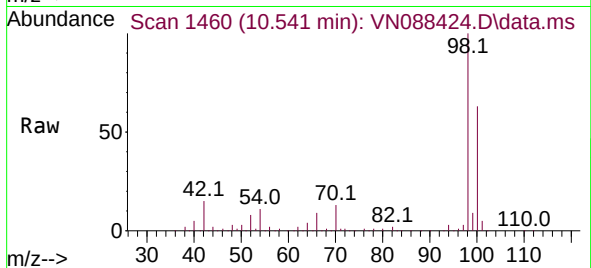
OW-04B-26.5-120225

Tgt Ion: 98 Resp: 543086

Ion Ratio Lower Upper

98 100

100 63.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 50.350 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088424.D

Acq: 03 Dec 2025 13:33

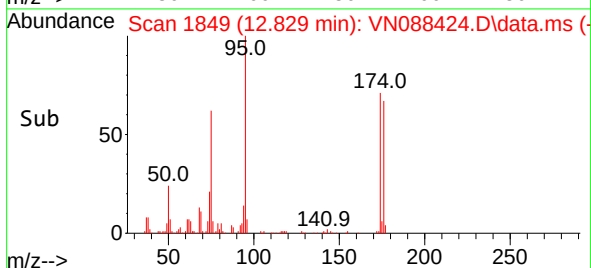
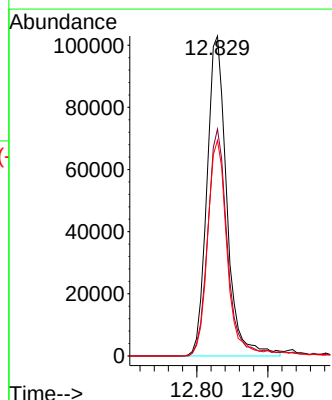
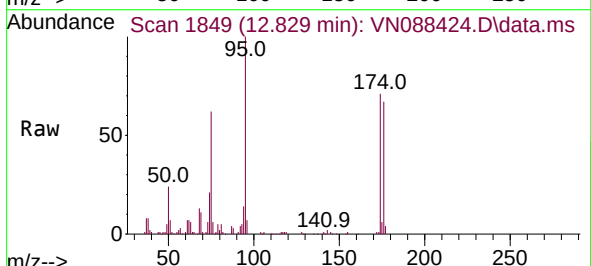
Tgt Ion: 95 Resp: 198952

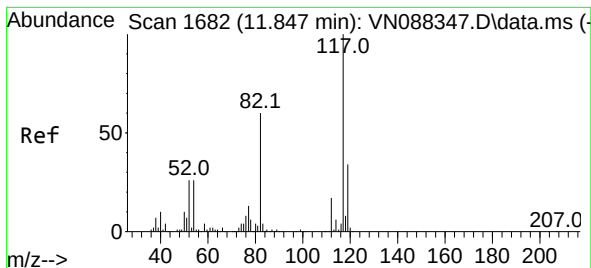
Ion Ratio Lower Upper

95 100

174 70.5 0.0 139.0

176 66.6 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088424.D

Acq: 03 Dec 2025 13:33

Instrument :

MSVOA_N

ClientSampleId :

OW-04B-26.5-120225

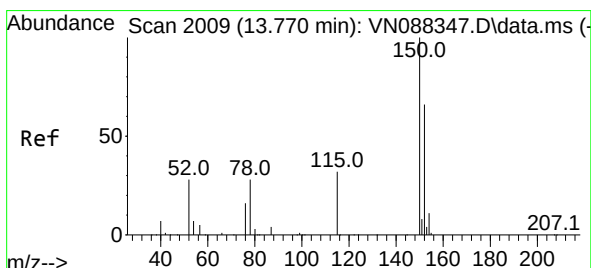
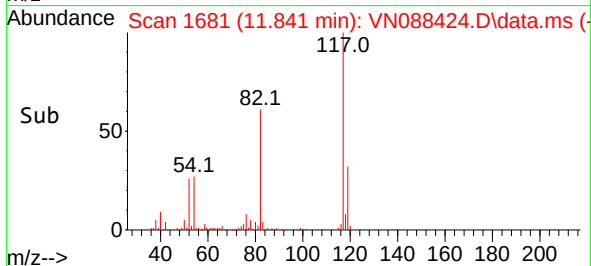
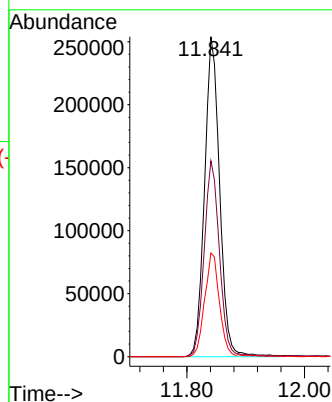
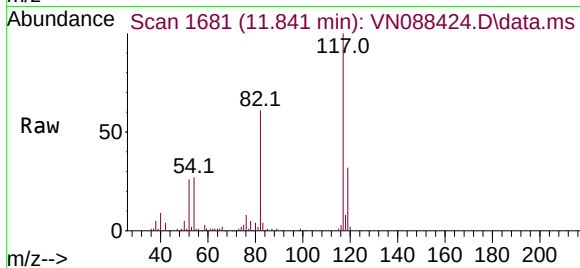
Tgt Ion:117 Resp: 452817

Ion Ratio Lower Upper

117 100

82 61.2 47.8 71.8

119 32.4 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VN088424.D

Acq: 03 Dec 2025 13:33

Tgt Ion:152 Resp: 211457

Ion Ratio Lower Upper

152 100

115 66.0 33.0 98.9

150 157.9 0.0 349.0

