

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088015.D
 Acq On : 03 Oct 2025 11:11
 Operator : JC\MD
 Sample : VN1003WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBL01

Quant Time: Oct 04 02:52:46 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	175124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	396641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	390371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175413	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	168351	57.122	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.240%
35) Dibromofluoromethane	8.147	113	137594	47.778	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.560%
50) Toluene-d8	10.547	98	477841	47.184	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.360%
62) 4-Bromofluorobenzene	12.829	95	151886	41.958	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	83.920%

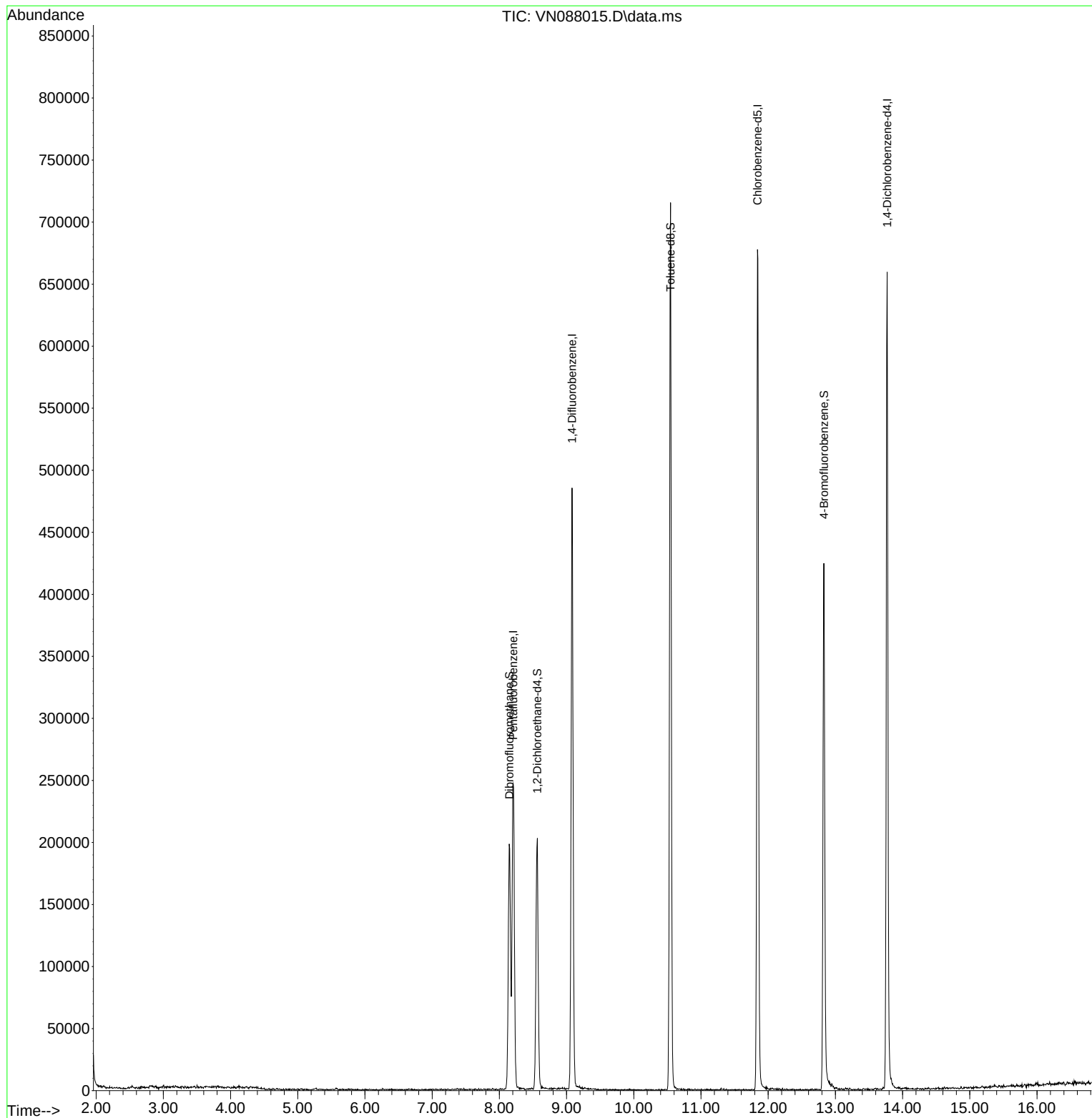
Target Compounds	Qvalue

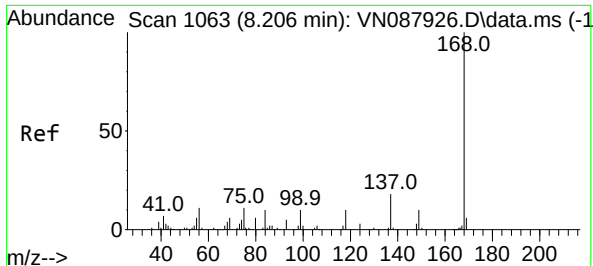
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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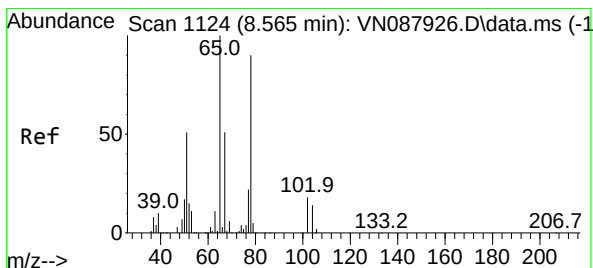
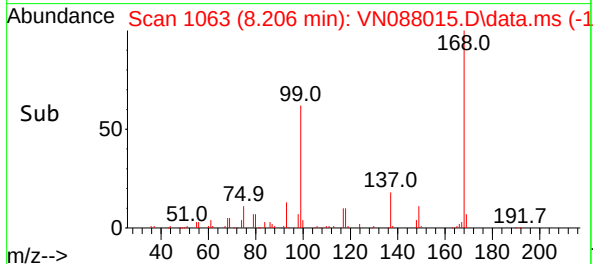
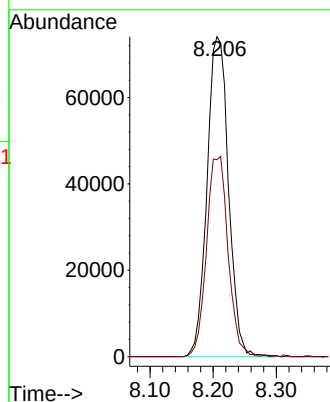
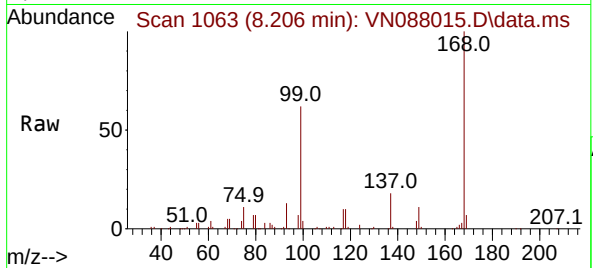




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

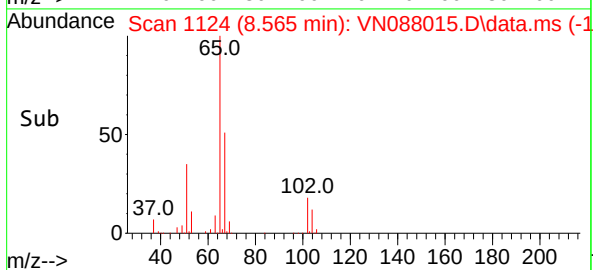
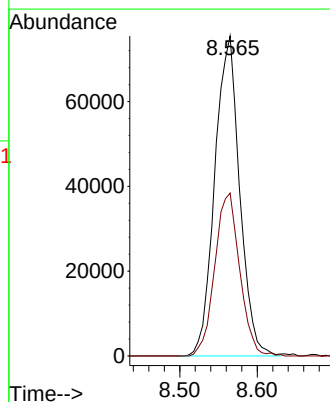
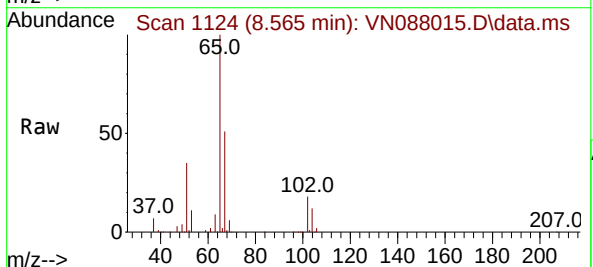
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

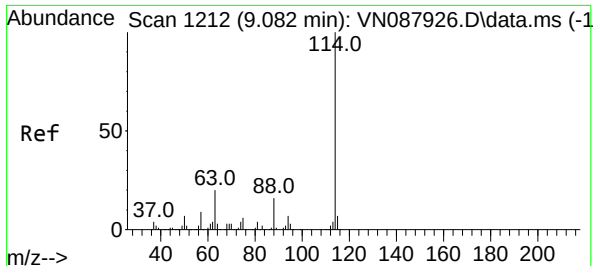
Tgt Ion:168 Resp: 175124
Ion Ratio Lower Upper
168 100
99 61.6 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 57.122 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion: 65 Resp: 168351
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088015.D

Acq: 03 Oct 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBL01

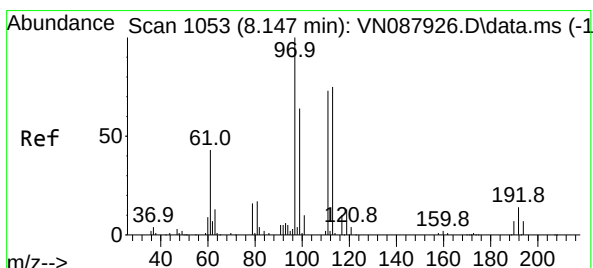
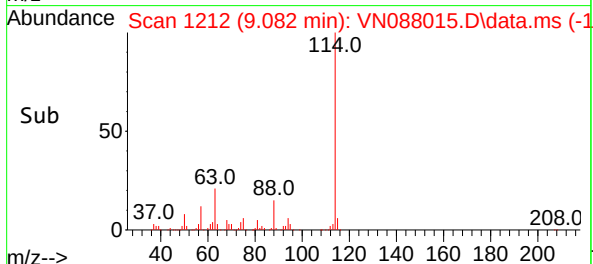
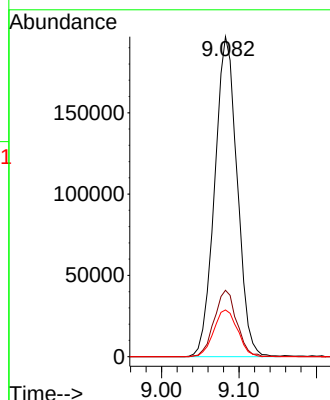
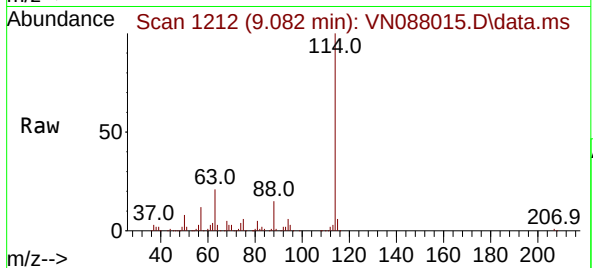
Tgt Ion:114 Resp: 396641

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.778 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VN088015.D

Acq: 03 Oct 2025 11:11

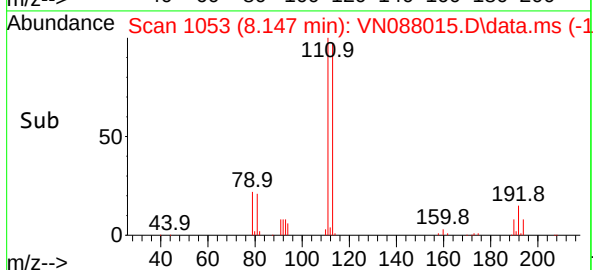
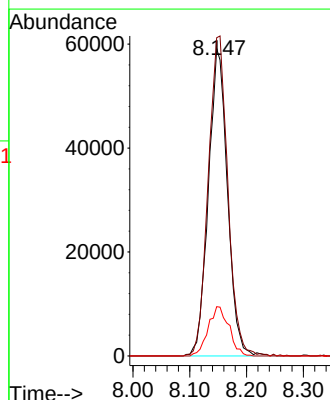
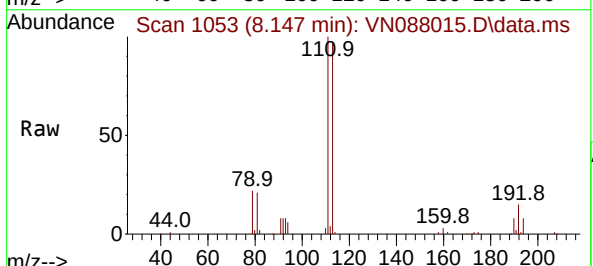
Tgt Ion:113 Resp: 137594

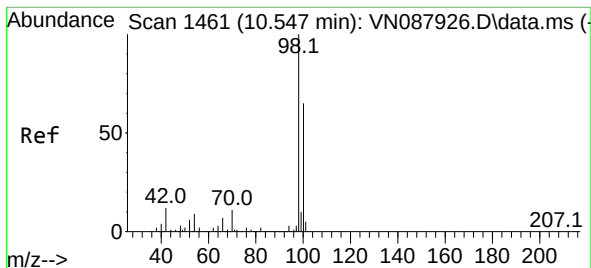
Ion Ratio Lower Upper

113 100

111 106.7 82.2 123.2

192 17.5 14.2 21.2

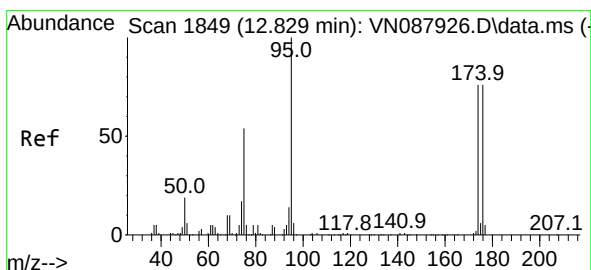
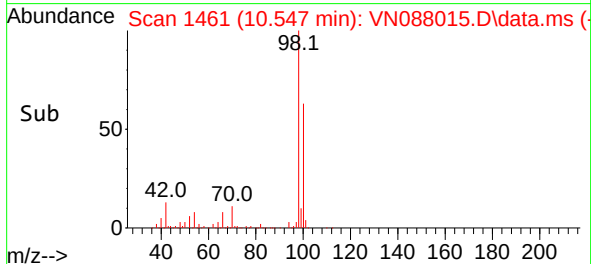
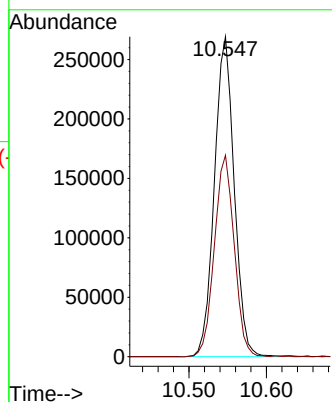
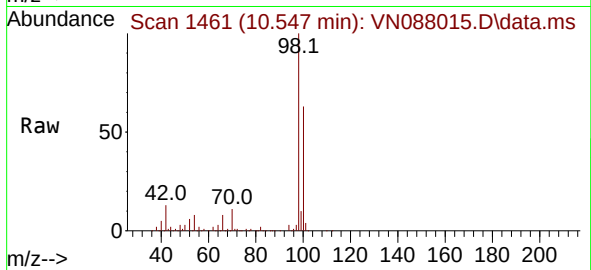




#50
Toluene-d8
Concen: 47.184 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

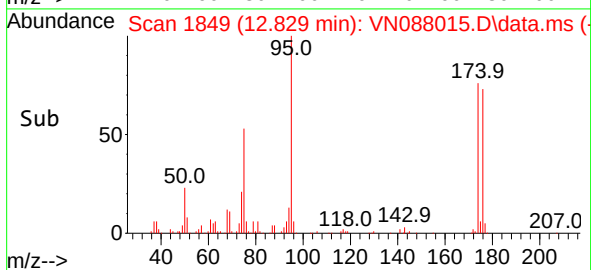
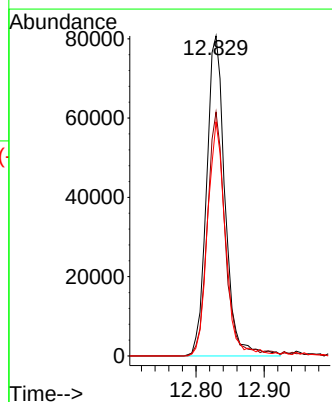
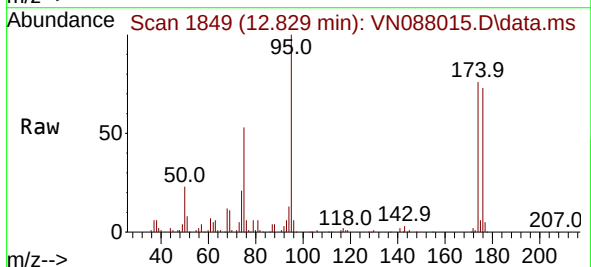
Instrument :
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VN1003WBL01

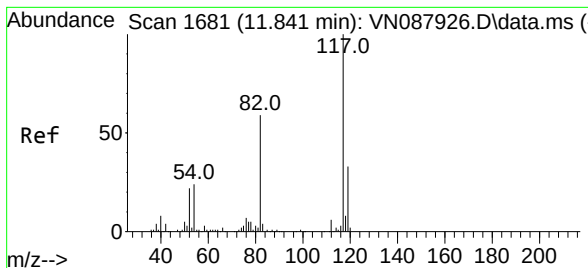
Tgt Ion: 98 Resp: 477841
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 41.958 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion: 95 Resp: 151886
Ion Ratio Lower Upper
95 100
174 73.3 0.0 159.2
176 71.0 0.0 152.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088015.D

Acq: 03 Oct 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBL01

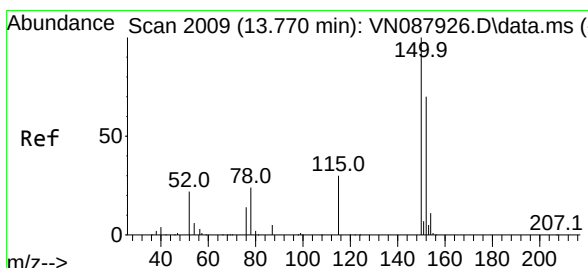
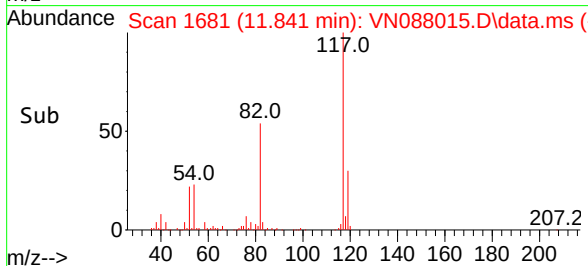
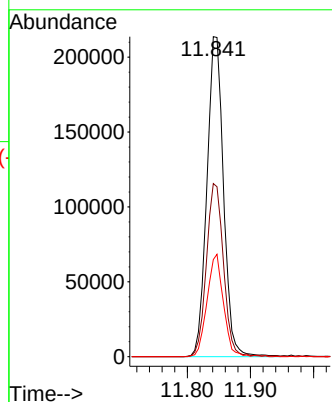
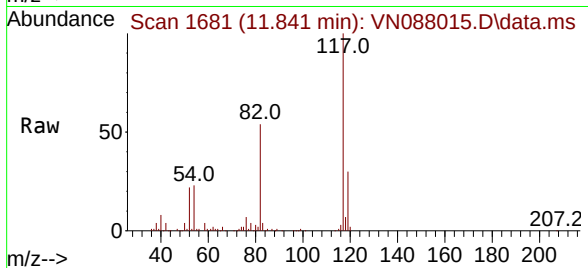
Tgt Ion:117 Resp: 390371

Ion Ratio Lower Upper

117 100

82 54.1 47.0 70.4

119 30.4 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: VN088015.D

Acq: 03 Oct 2025 11:11

Tgt Ion:152 Resp: 175413

Ion Ratio Lower Upper

152 100

115 61.9 29.9 89.7

150 160.2 0.0 335.0

