

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088438.D
 Acq On : 04 Dec 2025 12:17
 Operator : JC\MD
 Sample : VN1204MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBL01

Quant Time: Dec 05 00:12:19 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	158186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	365050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	366228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	166667	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	197070	66.133	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	132.260%#
35) Dibromofluoromethane	8.147	113	145632	57.567	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	115.140%
50) Toluene-d8	10.541	98	494184	52.502	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.000%
62) 4-Bromofluorobenzene	12.829	95	177477	54.952	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.900%

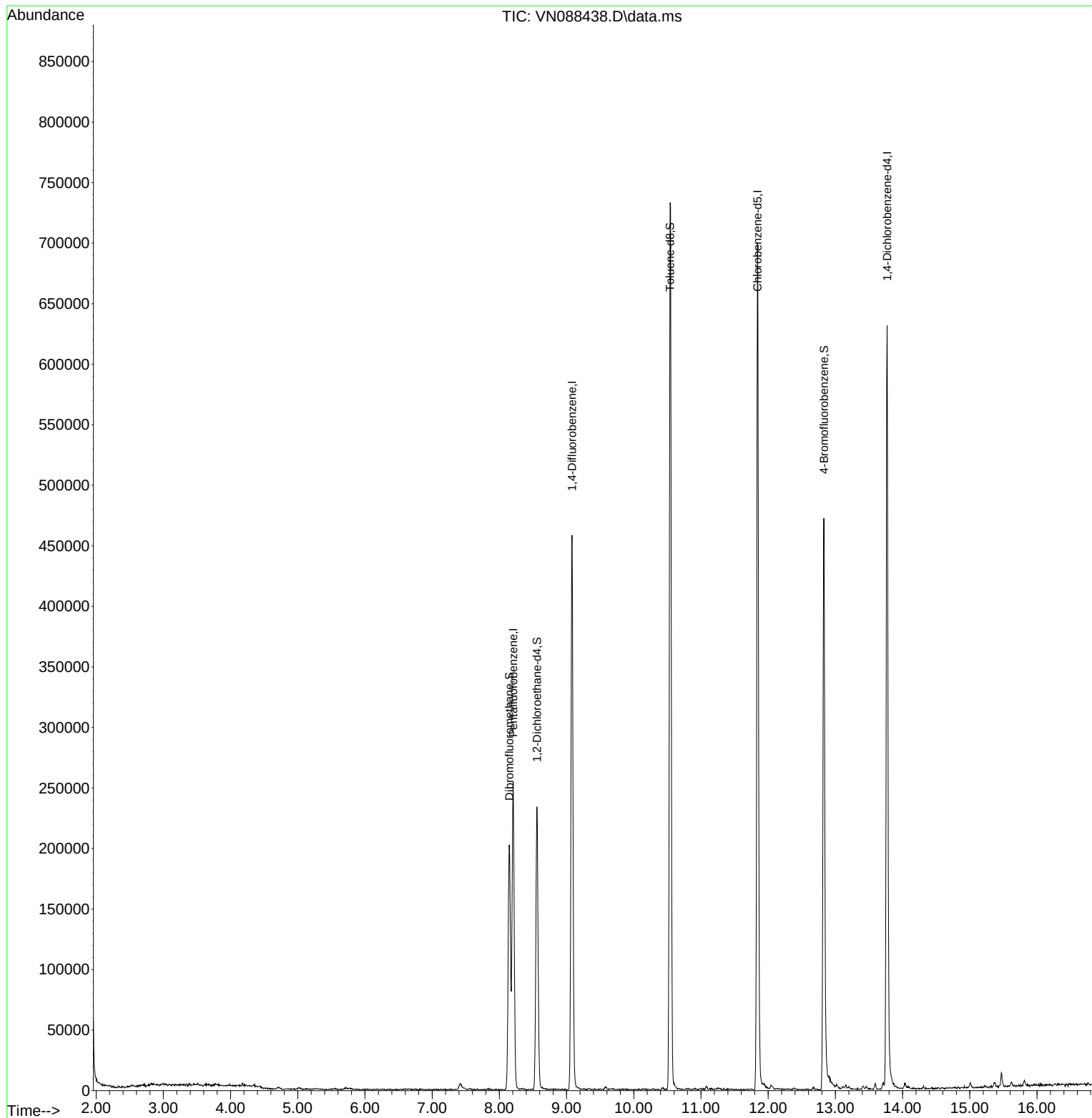
Target Compounds	Qvalue

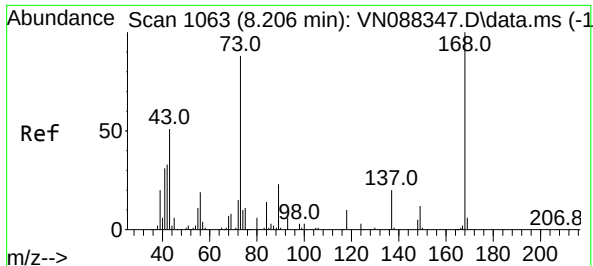
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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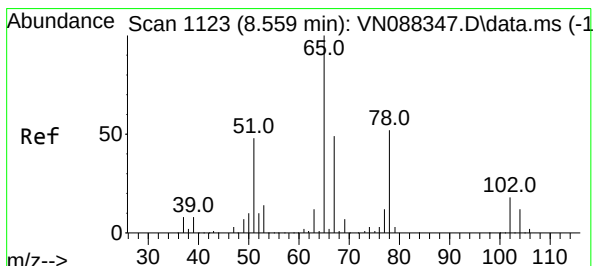
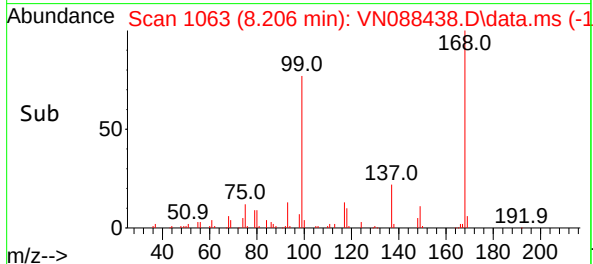
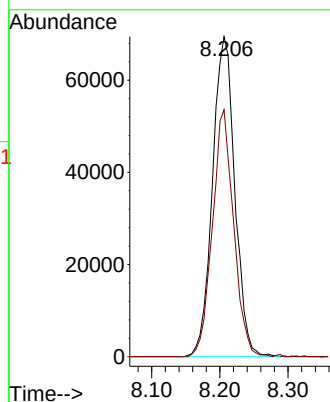
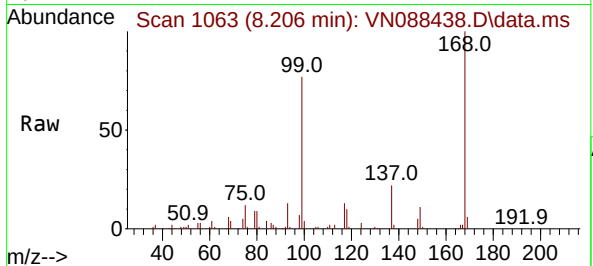




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088438.D
Acq: 04 Dec 2025 12:17

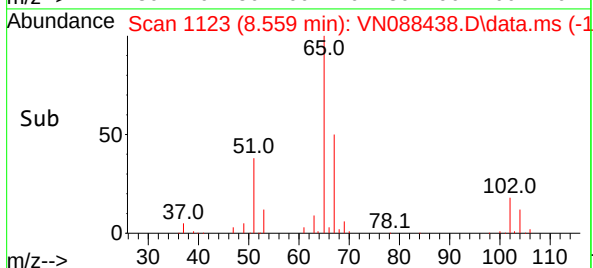
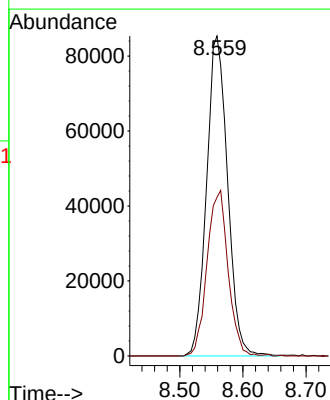
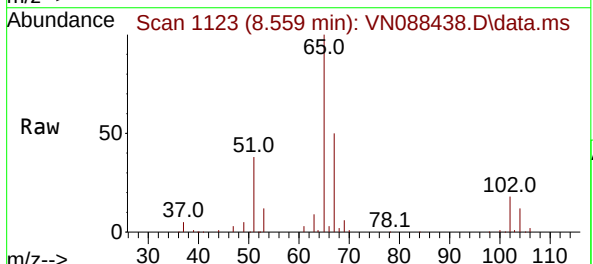
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

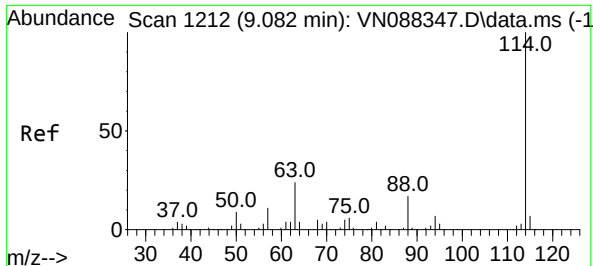
Tgt Ion:168 Resp: 158186
Ion Ratio Lower Upper
168 100
99 77.2 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 66.133 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088438.D
Acq: 04 Dec 2025 12:17

Tgt Ion: 65 Resp: 197070
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088438.D

Acq: 04 Dec 2025 12:17

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBL01

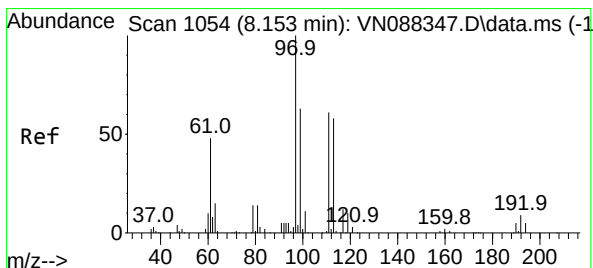
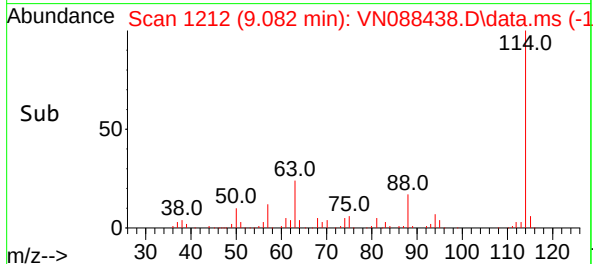
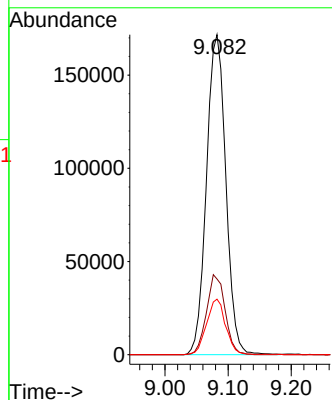
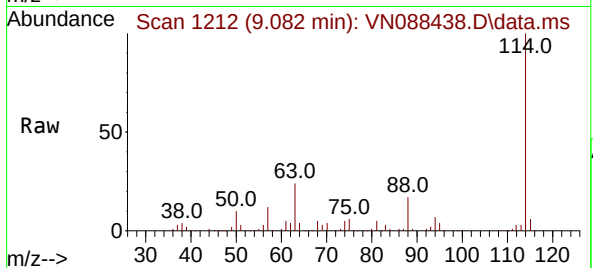
Tgt Ion:114 Resp: 365050

Ion Ratio Lower Upper

114 100

63 23.7 0.0 49.0

88 17.4 0.0 34.0



#35

Dibromofluoromethane

Concen: 57.567 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088438.D

Acq: 04 Dec 2025 12:17

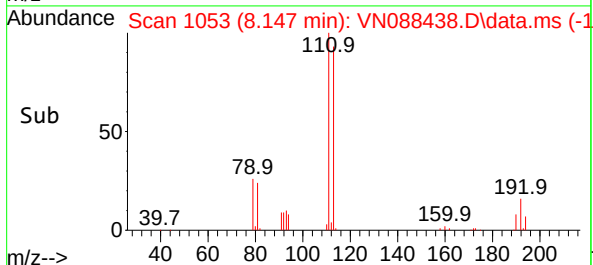
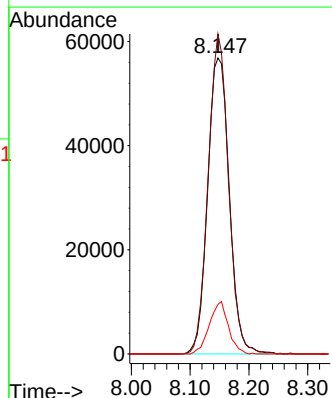
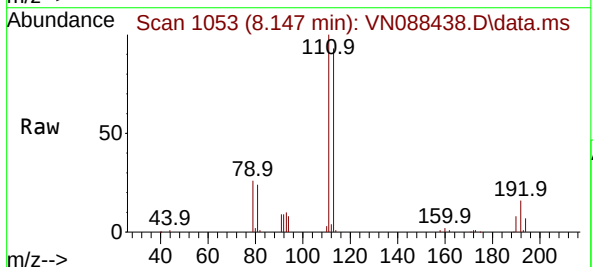
Tgt Ion:113 Resp: 145632

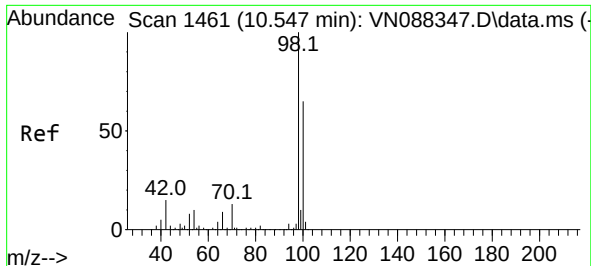
Ion Ratio Lower Upper

113 100

111 101.9 82.5 123.7

192 15.6 12.8 19.2

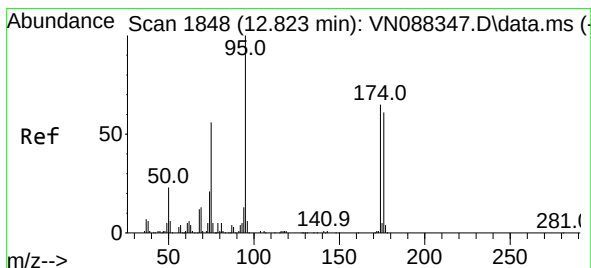
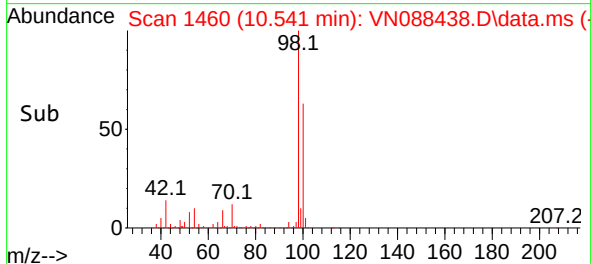
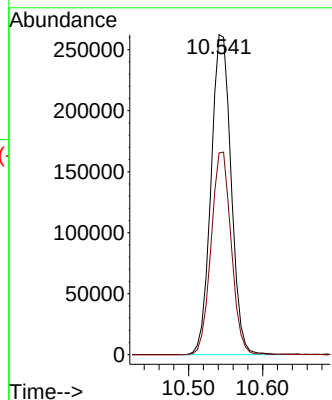
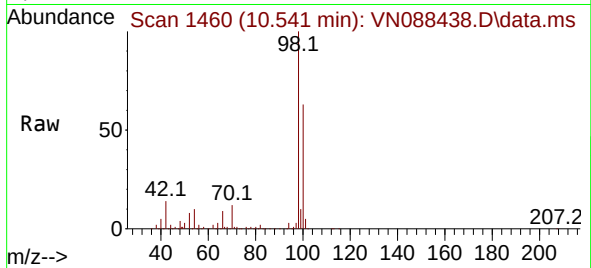




#50
Toluene-d8
Concen: 52.502 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088438.D
Acq: 04 Dec 2025 12:17

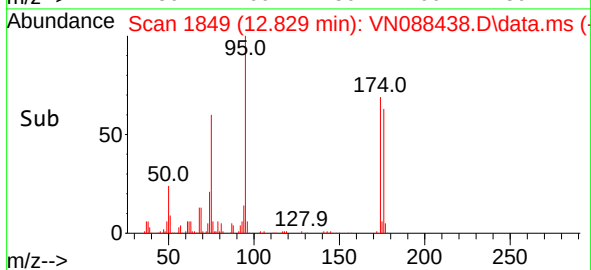
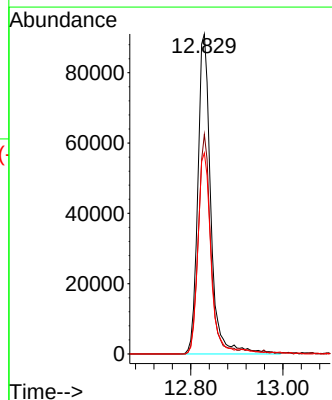
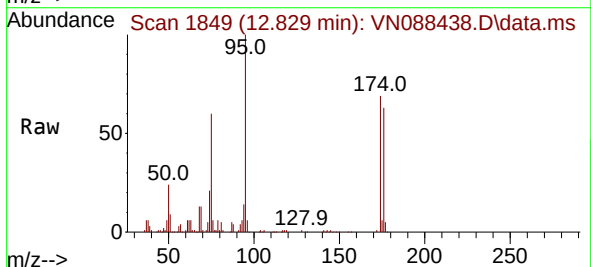
Instrument :
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VN1204MBL01

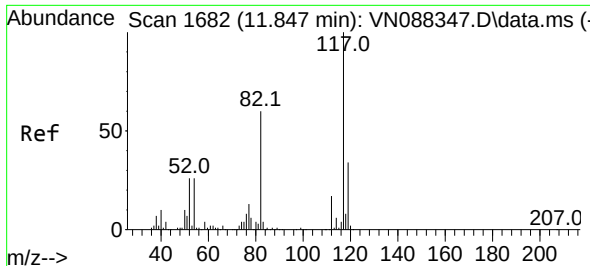
Tgt Ion: 98 Resp: 494184
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.952 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088438.D
Acq: 04 Dec 2025 12:17

Tgt Ion: 95 Resp: 177477
Ion Ratio Lower Upper
95 100
174 65.9 0.0 139.0
176 62.4 0.0 132.4

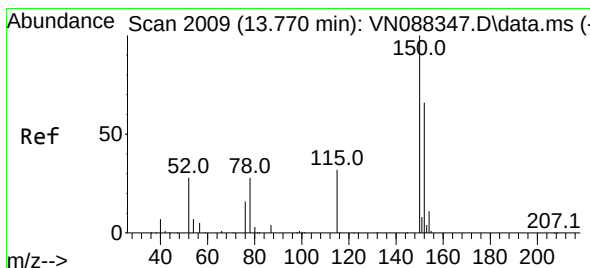
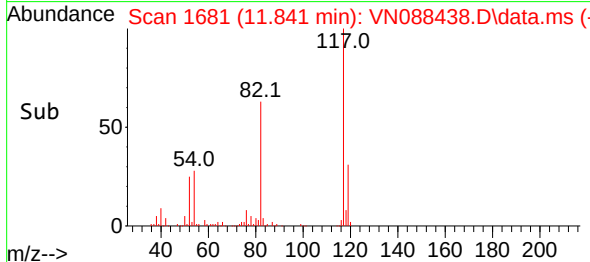
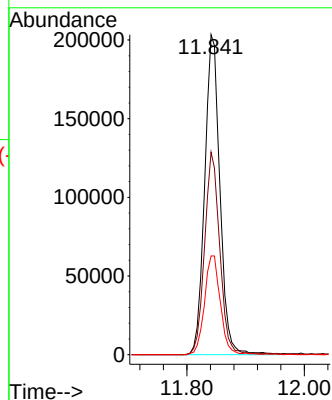
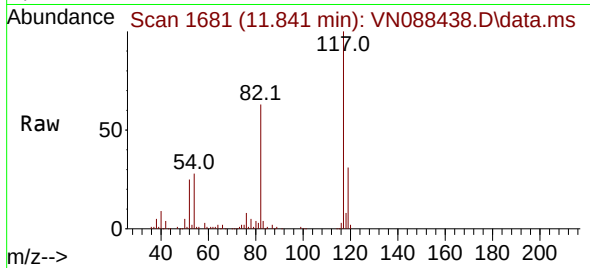




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088438.D
Acq: 04 Dec 2025 12:17

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBL01

Tgt Ion:117 Resp: 366228
Ion Ratio Lower Upper
117 100
82 63.3 47.8 71.8
119 30.8 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: VN088438.D
Acq: 04 Dec 2025 12:17

Tgt Ion:152 Resp: 166667
Ion Ratio Lower Upper
152 100
115 66.9 33.0 98.9
150 160.2 0.0 349.0

