

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088389.D
 Acq On : 01 Dec 2025 17:18
 Operator : JC\MD
 Sample : Q3743-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Dec 02 00:17:47 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	177560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	408212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	395290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	183327	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200978	60.085	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.180%
35) Dibromofluoromethane	8.147	113	148235	52.400	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.800%
50) Toluene-d8	10.541	98	527906	50.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.300%
62) 4-Bromofluorobenzene	12.829	95	193240	53.506	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.020%

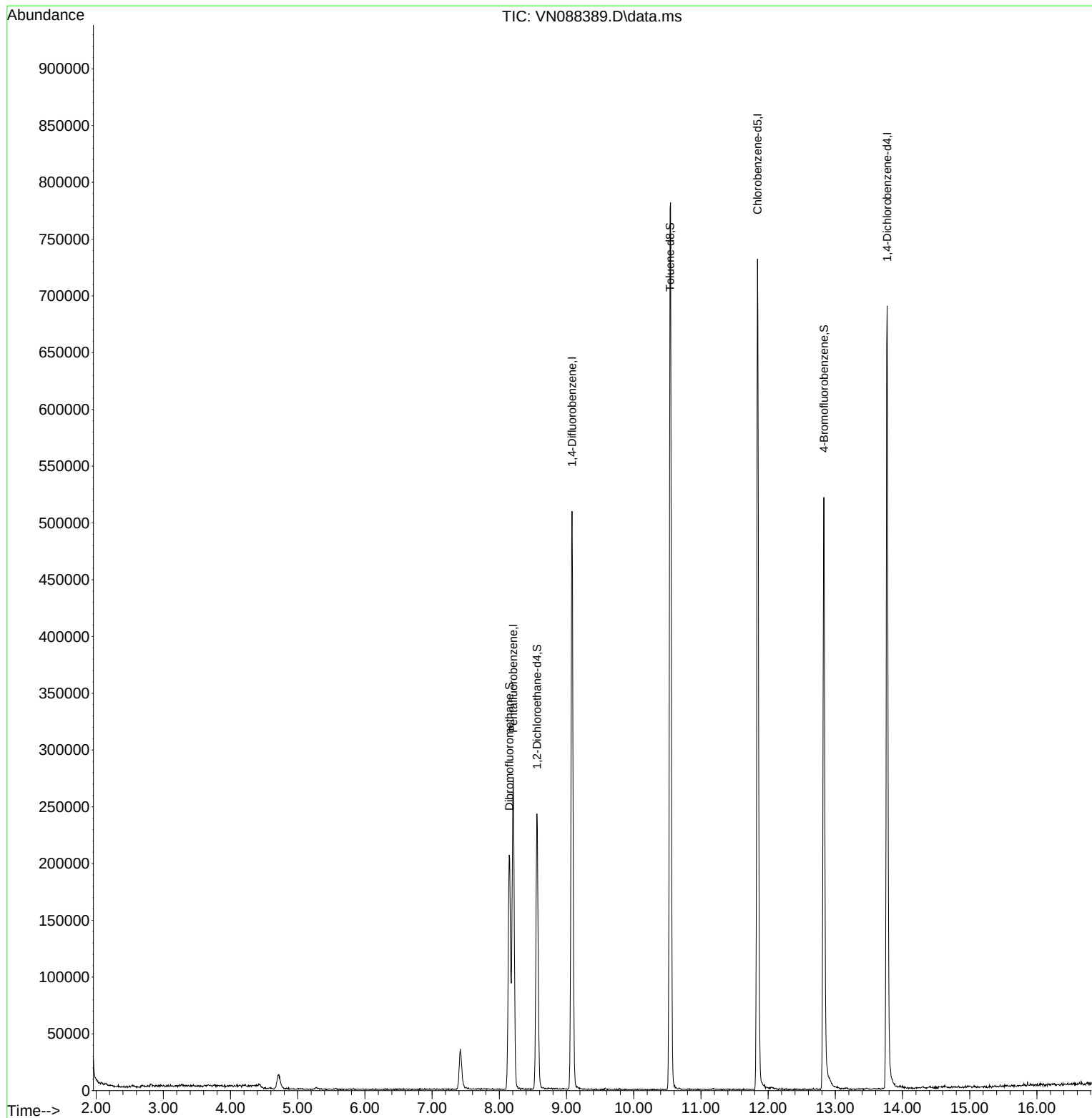
Target Compounds	Qvalue

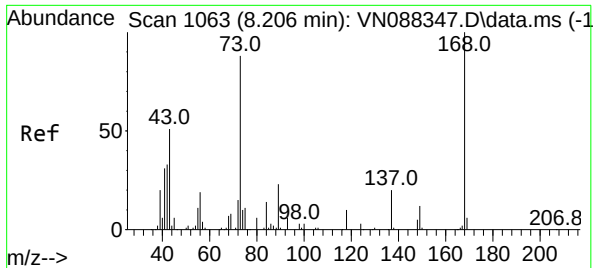
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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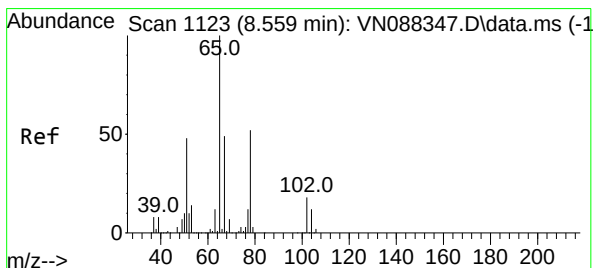
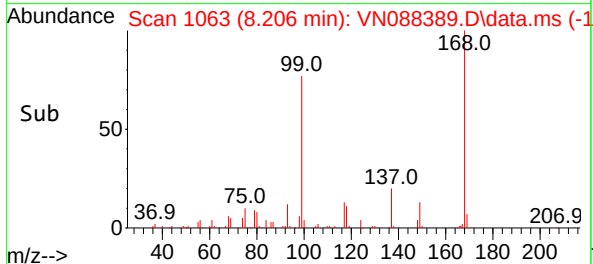
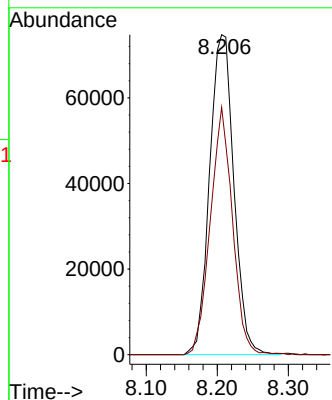
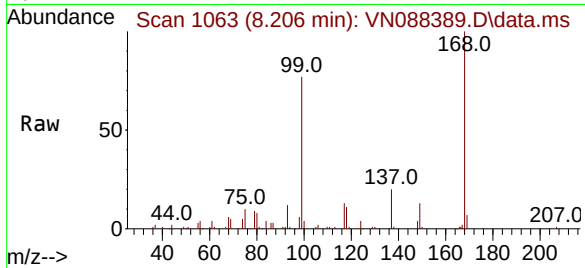




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

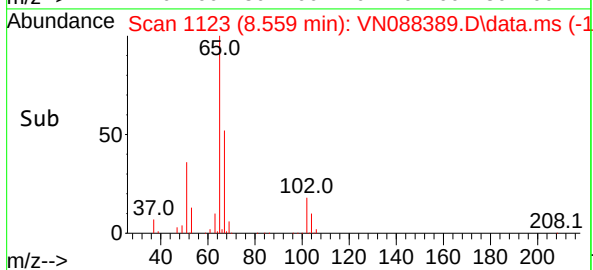
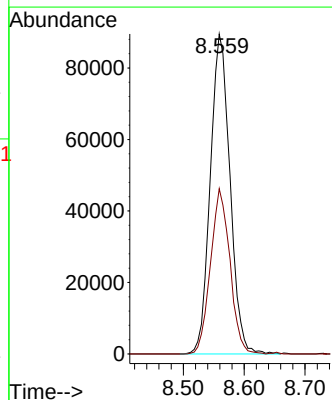
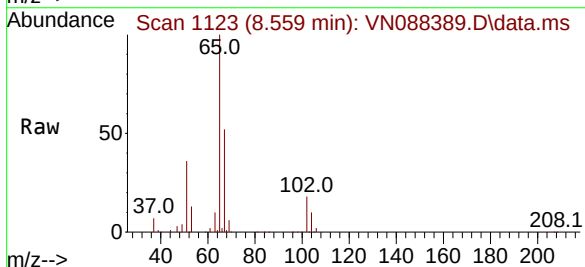
Instrument :
MSVOA_N
ClientSampleId :
TB

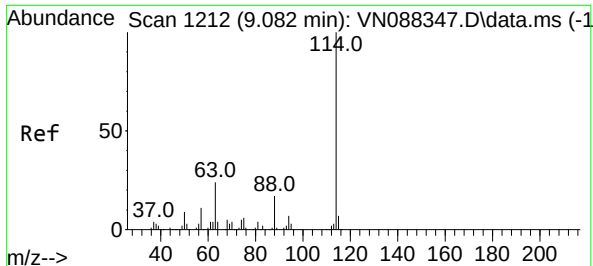
Tgt Ion:168 Resp: 177560
Ion Ratio Lower Upper
168 100
99 77.3 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 60.085 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

Tgt Ion: 65 Resp: 200978
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :

TB

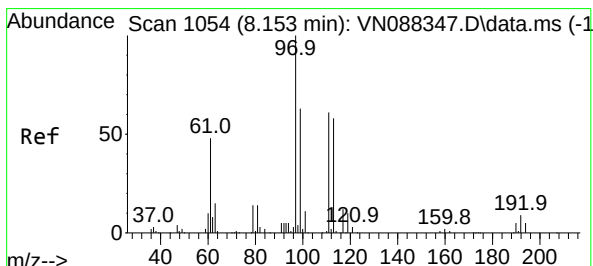
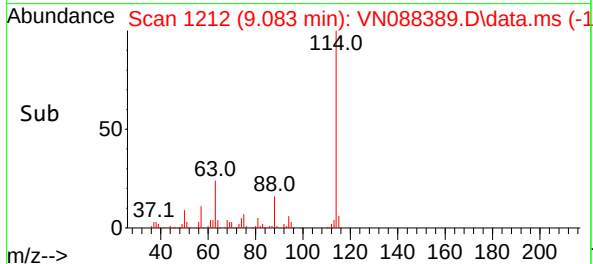
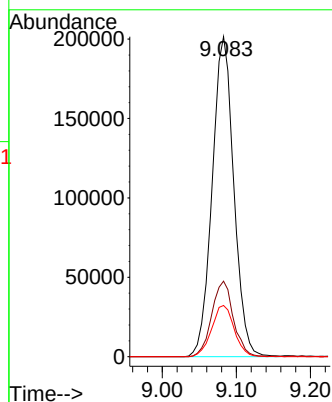
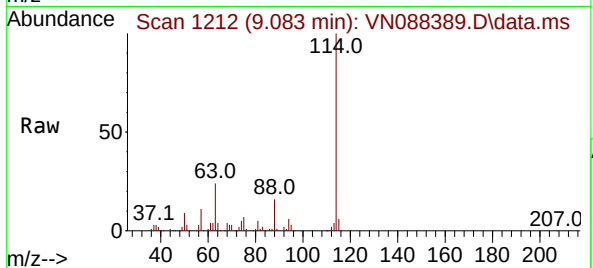
Tgt Ion:114 Resp: 408212

Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.0

88 16.0 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.400 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

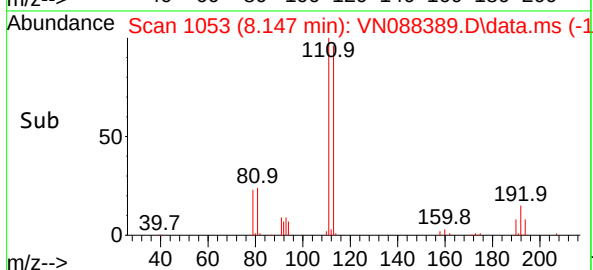
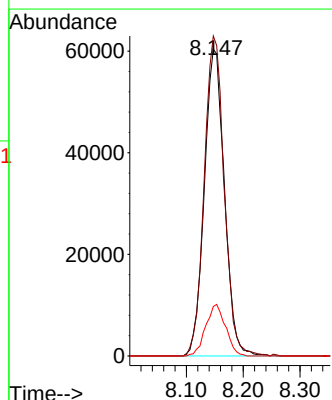
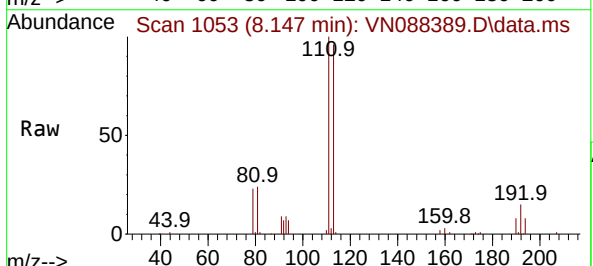
Tgt Ion:113 Resp: 148235

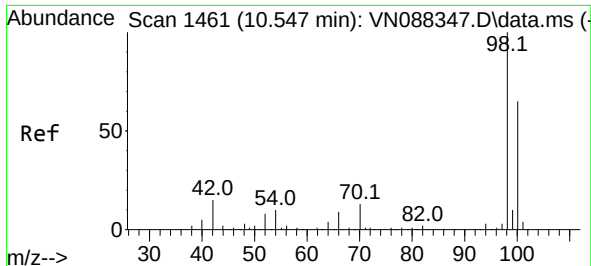
Ion Ratio Lower Upper

113 100

111 103.3 82.5 123.7

192 16.6 12.8 19.2

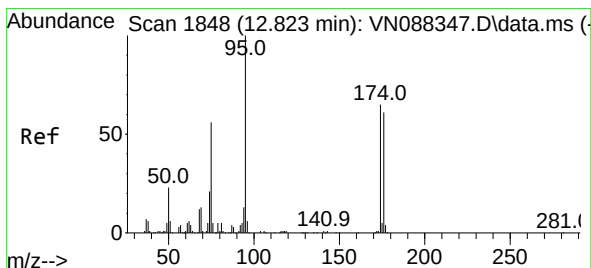
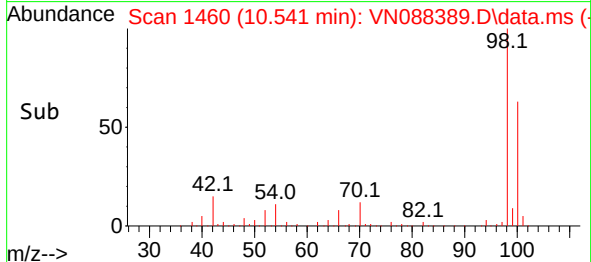
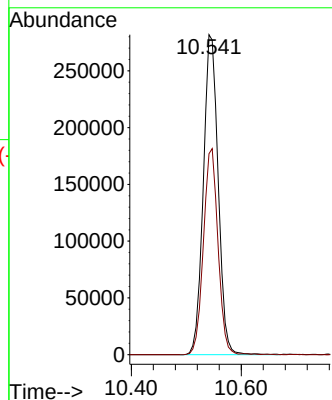
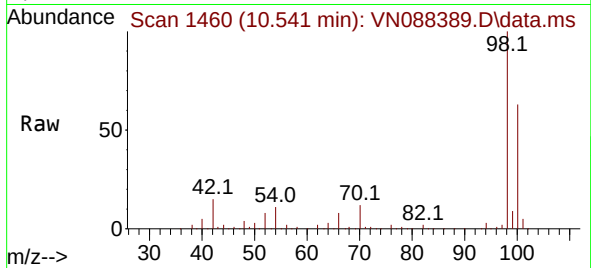




#50
Toluene-d8
Concen: 50.154 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

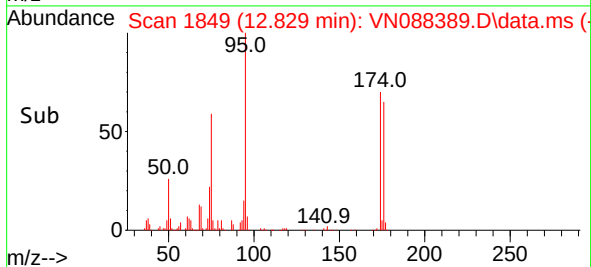
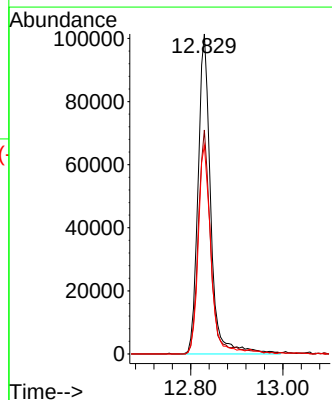
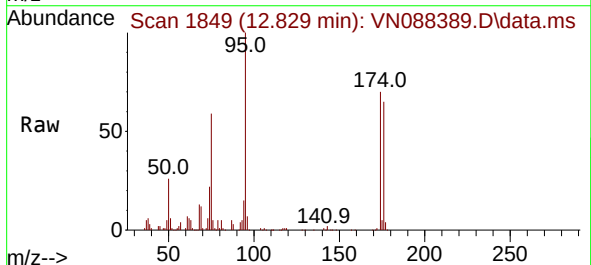
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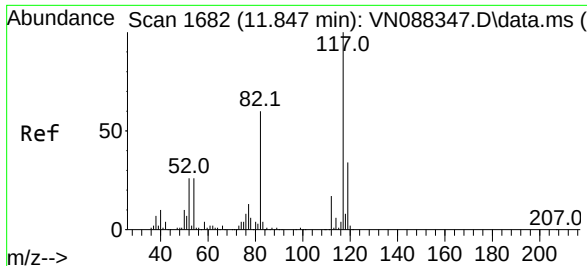
Tgt Ion: 98 Resp: 527906
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 53.506 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

Tgt Ion: 95 Resp: 193240
Ion Ratio Lower Upper
95 100
174 69.6 0.0 139.0
176 64.8 0.0 132.4

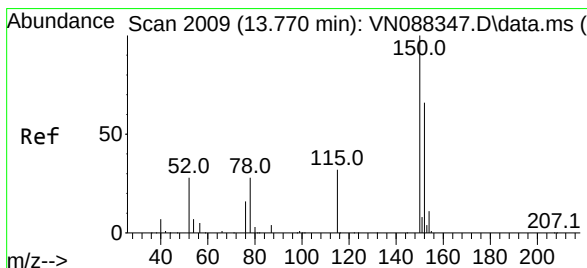
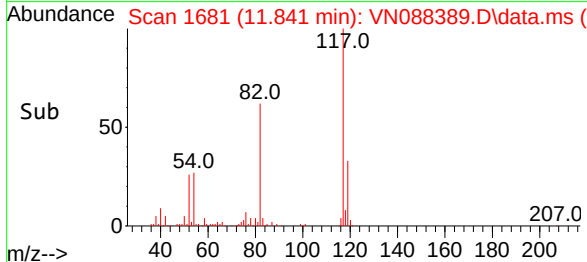
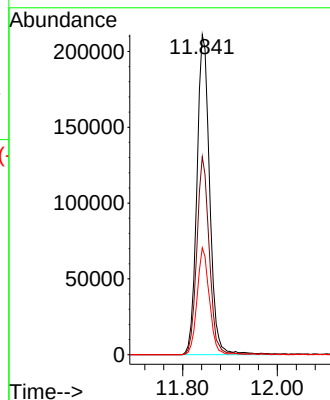
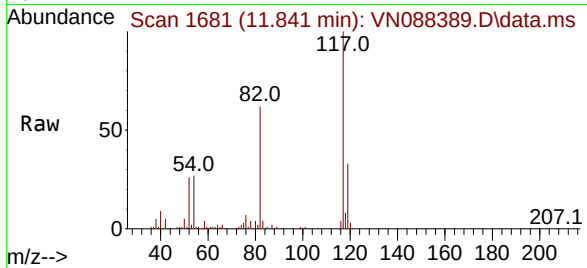




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion:117 Resp: 395290
Ion Ratio Lower Upper
117 100
82 61.9 47.8 71.8
119 33.4 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: VN088389.D
Acq: 01 Dec 2025 17:18

Tgt Ion:152 Resp: 183327
Ion Ratio Lower Upper
152 100
115 65.9 33.0 98.9
150 159.1 0.0 349.0

