

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088418.D
 Acq On : 03 Dec 2025 11:03
 Operator : JC\MD
 Sample : VN1203WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBL01

Quant Time: Dec 04 00:14:59 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	179578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	416539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	402638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	186090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	201444	59.548	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.100%
35) Dibromofluoromethane	8.147	113	146402	50.718	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.440%
50) Toluene-d8	10.541	98	511270	47.603	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.200%
62) 4-Bromofluorobenzene	12.829	95	173481	47.075	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.140%

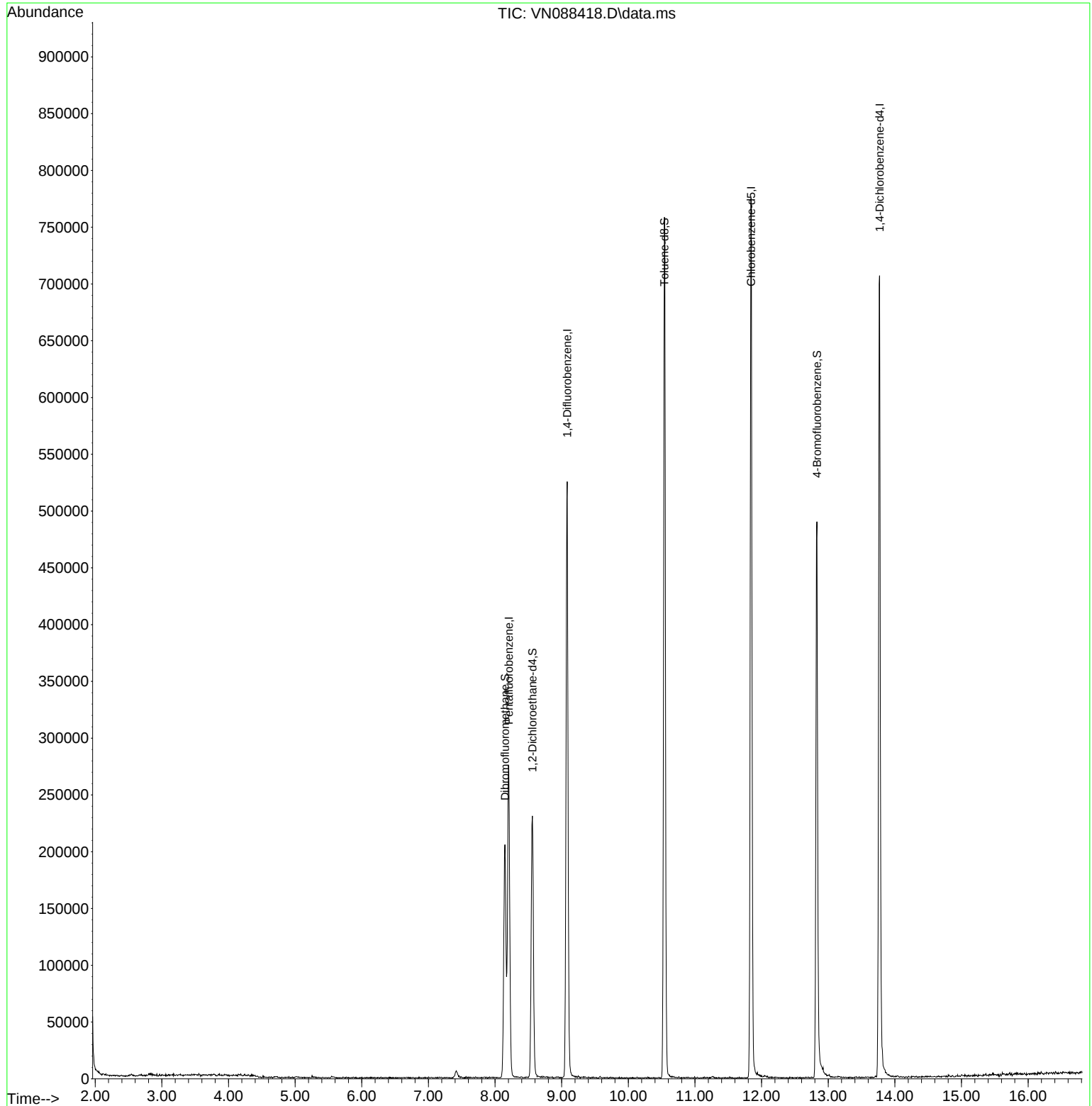
Target Compounds Qvalue

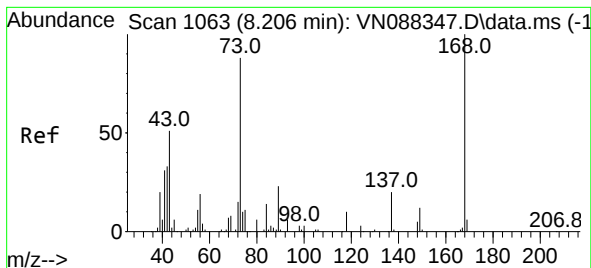
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN088418.D

Acq: 03 Dec 2025 11:03

Instrument :

MSVOA_N

ClientSampleId :

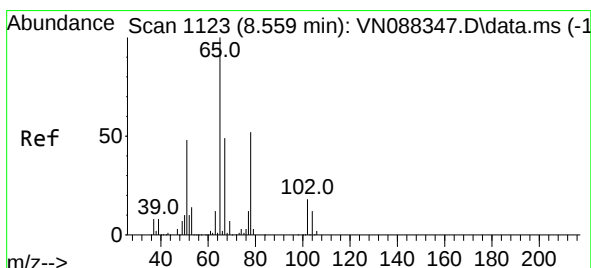
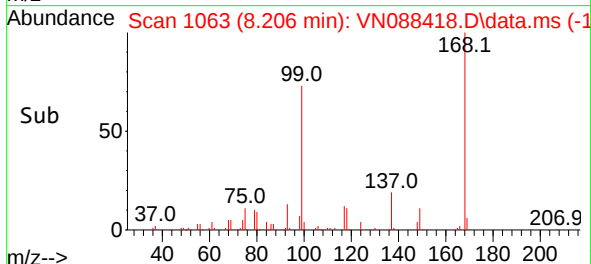
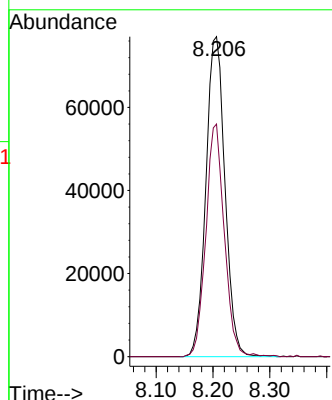
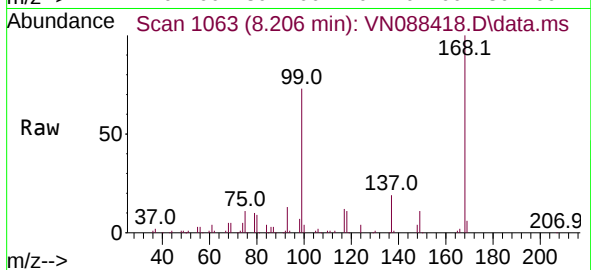
VN1203WBL01

Tgt Ion:168 Resp: 179578

Ion Ratio Lower Upper

168 100

99 72.7 57.1 85.7



#33

1,2-Dichloroethane-d4

Concen: 59.548 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088418.D

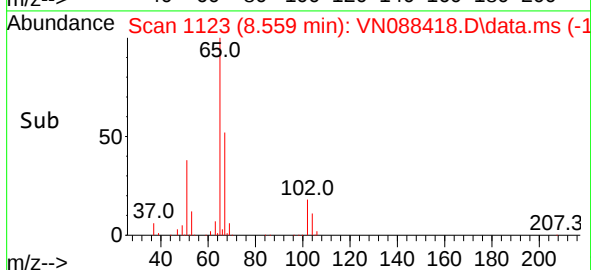
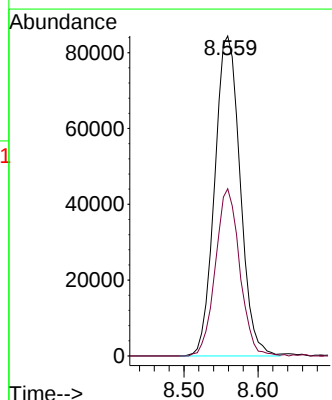
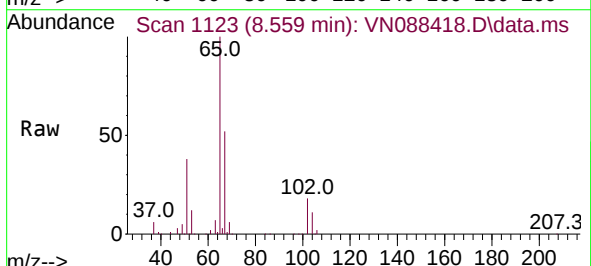
Acq: 03 Dec 2025 11:03

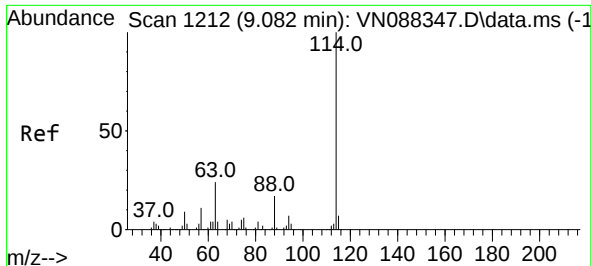
Tgt Ion: 65 Resp: 201444

Ion Ratio Lower Upper

65 100

67 49.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088418.D

Acq: 03 Dec 2025 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBL01

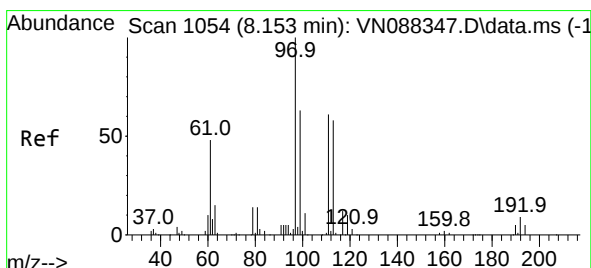
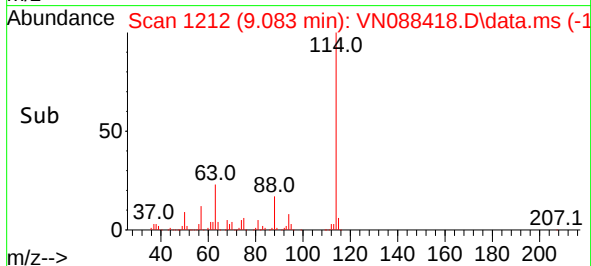
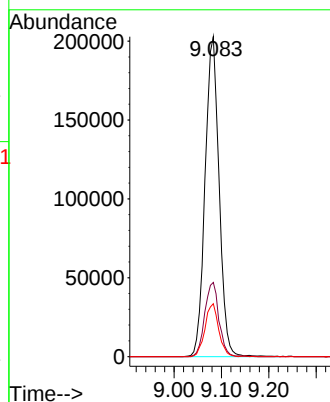
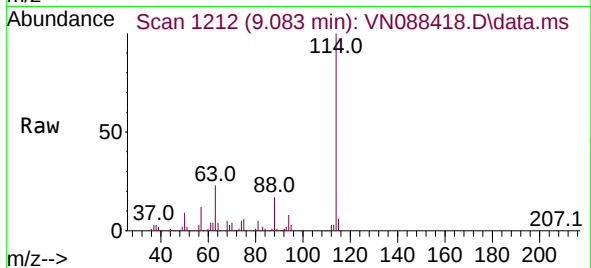
Tgt Ion:114 Resp: 416539

Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.0

88 16.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.718 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088418.D

Acq: 03 Dec 2025 11:03

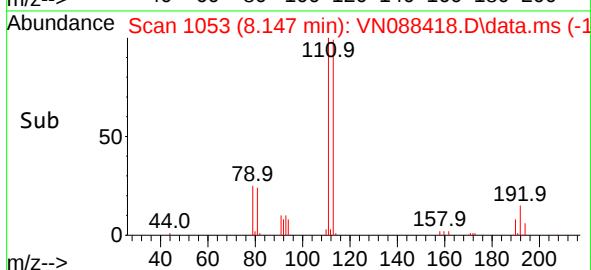
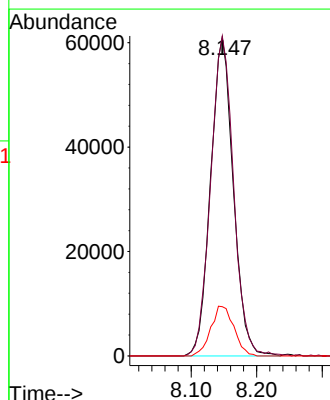
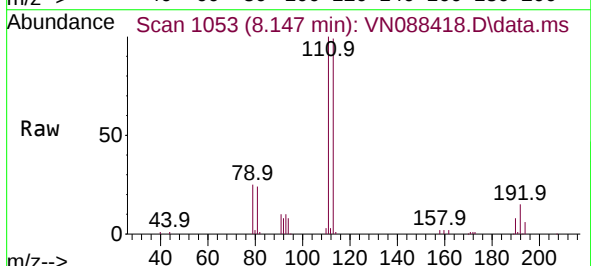
Tgt Ion:113 Resp: 146402

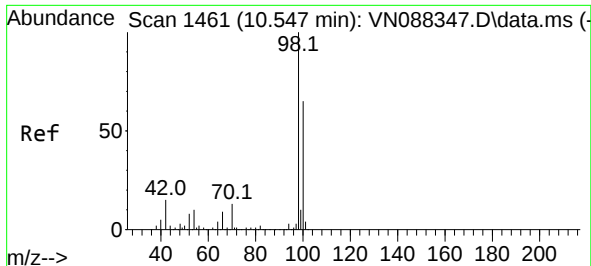
Ion Ratio Lower Upper

113 100

111 101.7 82.5 123.7

192 15.9 12.8 19.2

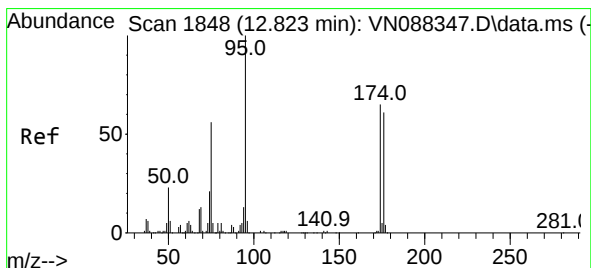
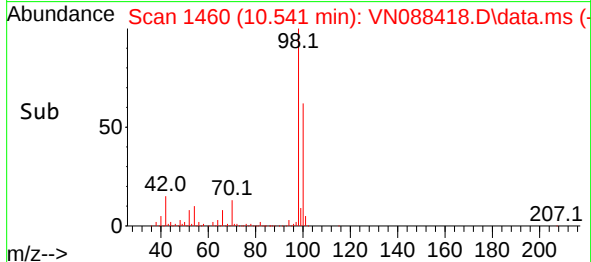
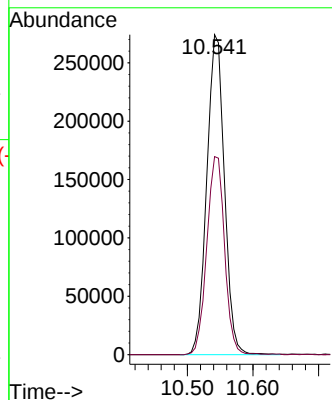
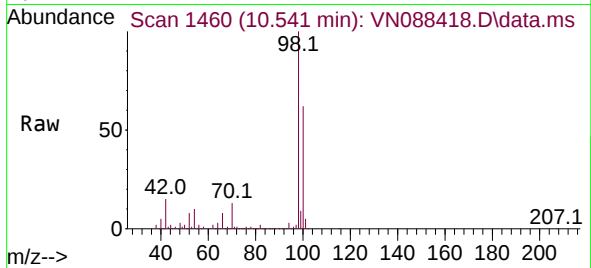




#50
Toluene-d8
Concen: 47.603 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088418.D
Acq: 03 Dec 2025 11:03

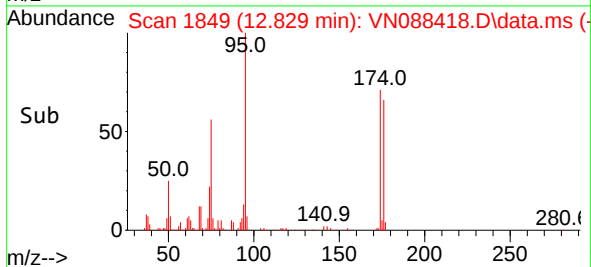
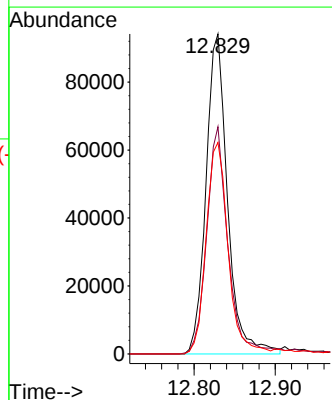
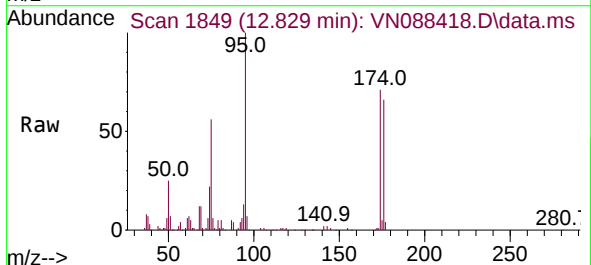
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

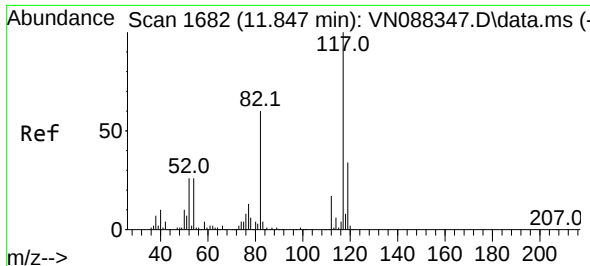
Tgt Ion: 98 Resp: 511270
Ion Ratio Lower Upper
98 100
100 62.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 47.075 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088418.D
Acq: 03 Dec 2025 11:03

Tgt Ion: 95 Resp: 173481
Ion Ratio Lower Upper
95 100
174 70.2 0.0 139.0
176 67.4 0.0 132.4

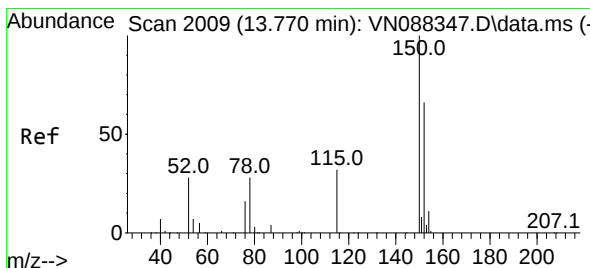
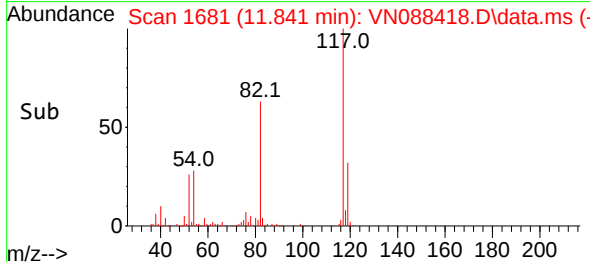
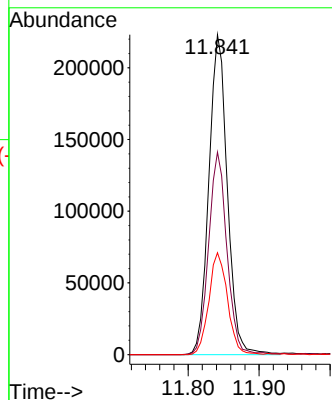
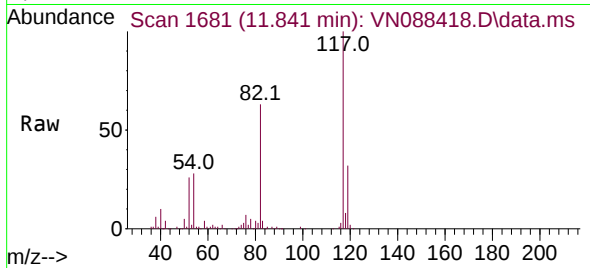




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088418.D
Acq: 03 Dec 2025 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL01

Tgt Ion:117 Resp: 402638
Ion Ratio Lower Upper
117 100
82 63.3 47.8 71.8
119 31.8 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: VN088418.D
Acq: 03 Dec 2025 11:03

Tgt Ion:152 Resp: 186090
Ion Ratio Lower Upper
152 100
115 65.3 33.0 98.9
150 159.4 0.0 349.0

