

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088426.D
 Acq On : 03 Dec 2025 14:13
 Operator : JC\MD
 Sample : Q3756-05 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04-12-120225

Quant Time: Dec 04 00:18:54 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	180593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	420062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	409897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	190705	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	197019	57.913	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.820%
35) Dibromofluoromethane	8.147	113	146440	50.306	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.620%
50) Toluene-d8	10.541	98	497377	45.921	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.840%
62) 4-Bromofluorobenzene	12.823	95	171799	46.227	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.460%

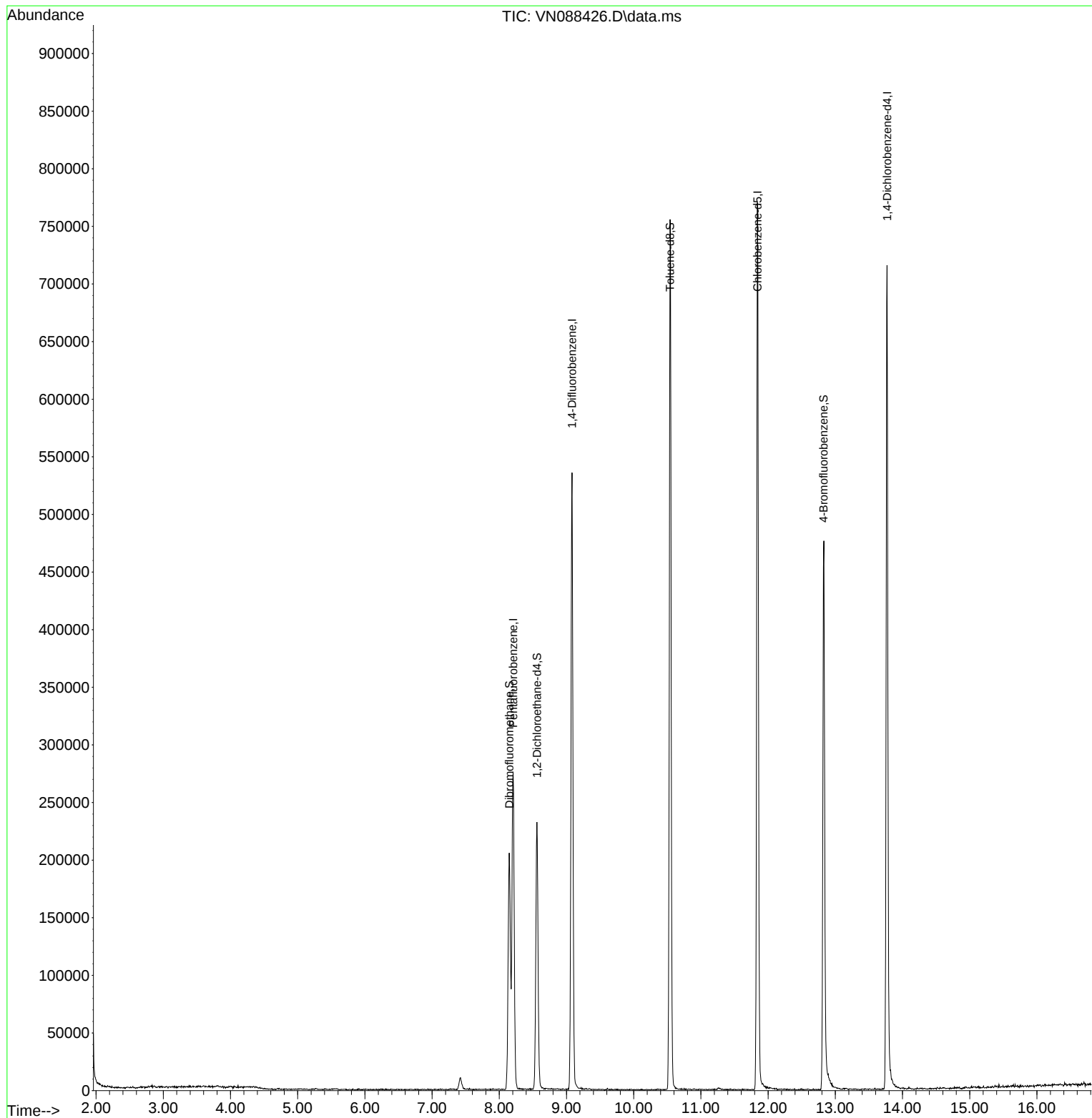
Target Compounds	Qvalue

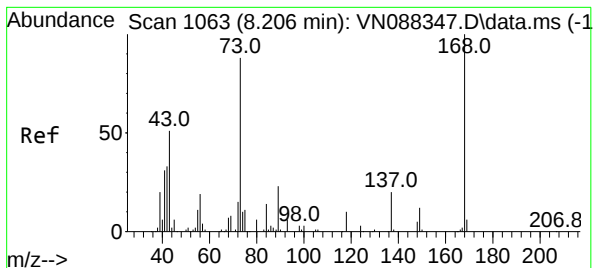
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. 0.000 min

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Instrument :

MSVOA_N

ClientSampleId :

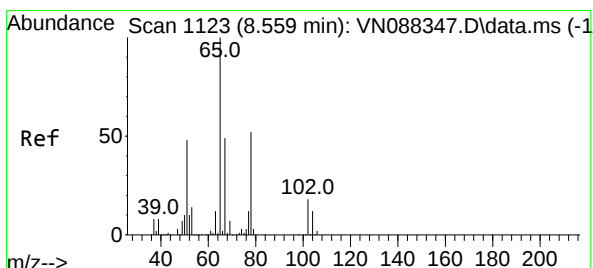
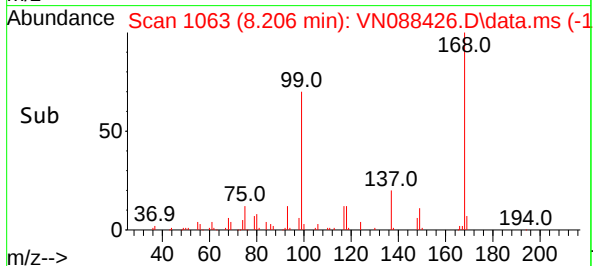
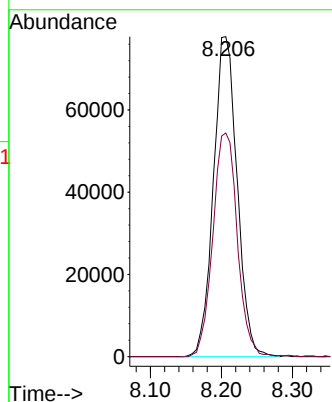
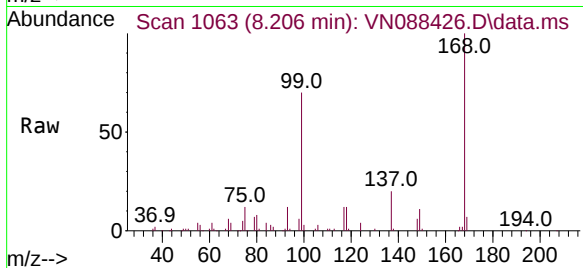
MW-04-12-120225

Tgt Ion:168 Resp: 180593

Ion Ratio Lower Upper

168 100

99 69.9 57.1 85.7



#33

1,2-Dichloroethane-d4

Concen: 57.913 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088426.D

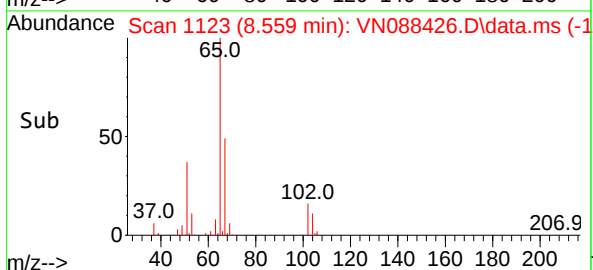
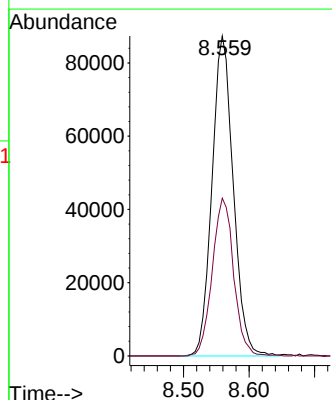
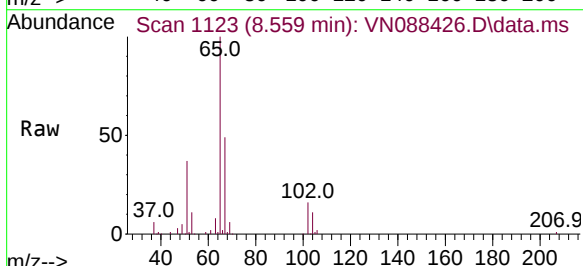
Acq: 03 Dec 2025 14:13

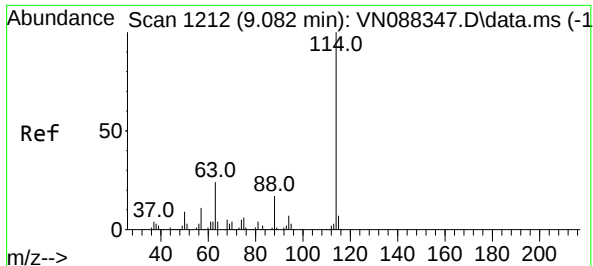
Tgt Ion: 65 Resp: 197019

Ion Ratio Lower Upper

65 100

67 49.5 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: VN088426.D

Acq: 03 Dec 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

MW-04-12-120225

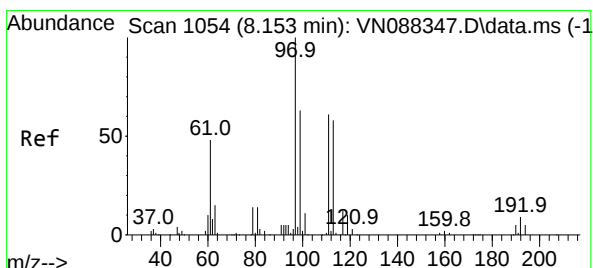
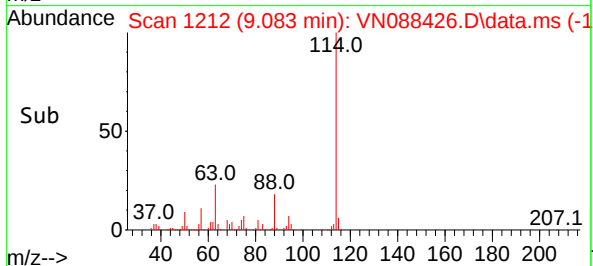
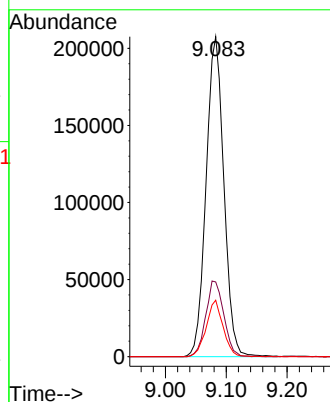
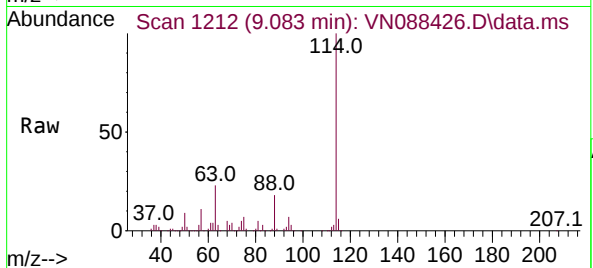
Tgt Ion:114 Resp: 420062

Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.0

88 17.6 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.306 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088426.D

Acq: 03 Dec 2025 14:13

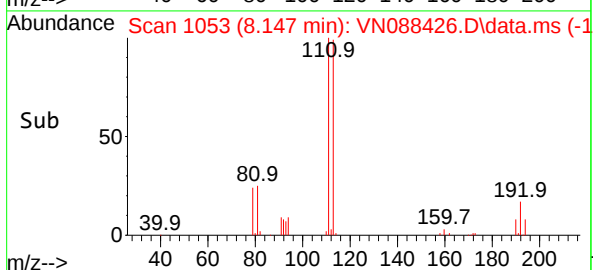
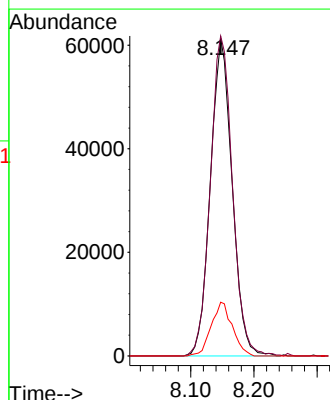
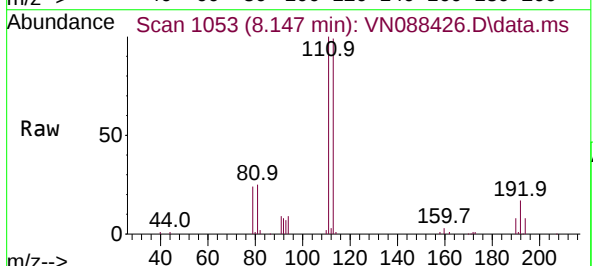
Tgt Ion:113 Resp: 146440

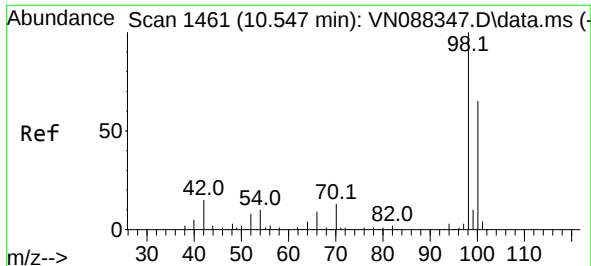
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 16.4 12.8 19.2

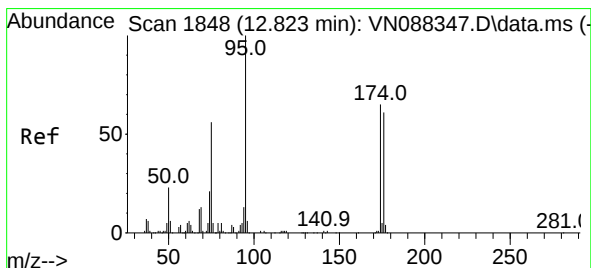
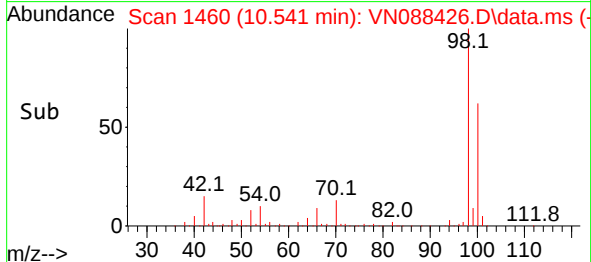
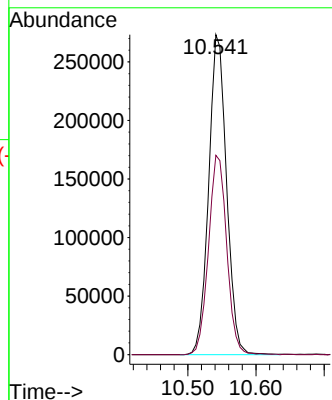
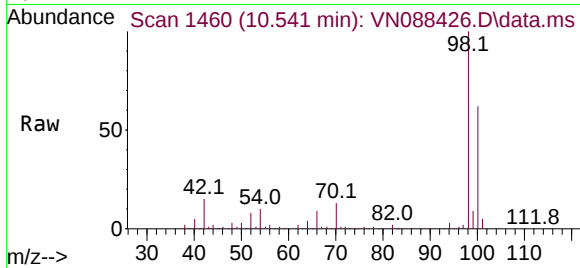




#50
Toluene-d8
Concen: 45.921 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

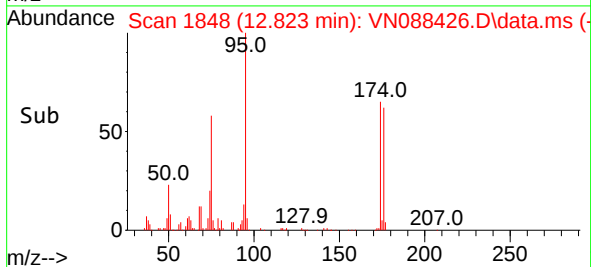
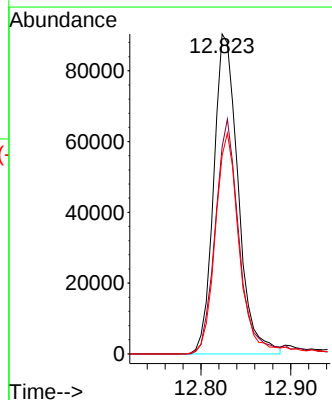
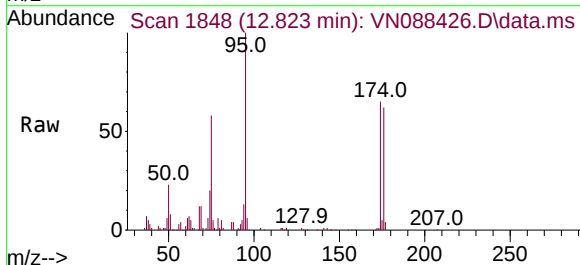
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

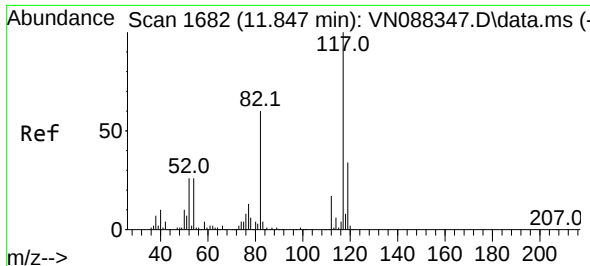
Tgt Ion: 98 Resp: 497377
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.227 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

Tgt Ion: 95 Resp: 171799
Ion Ratio Lower Upper
95 100
174 73.0 0.0 139.0
176 69.5 0.0 132.4

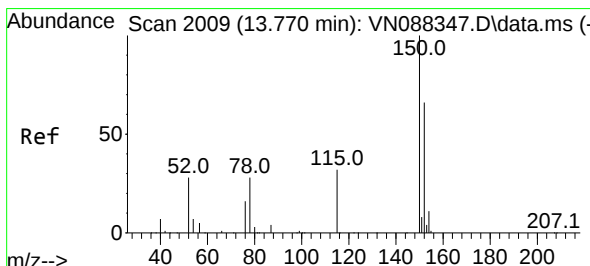
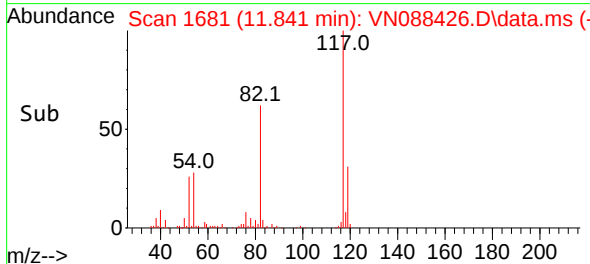
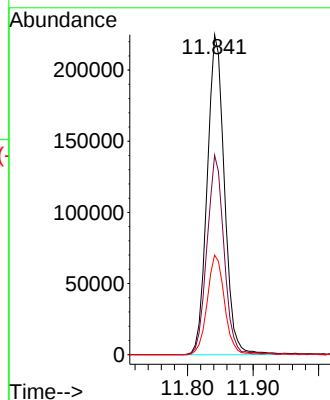
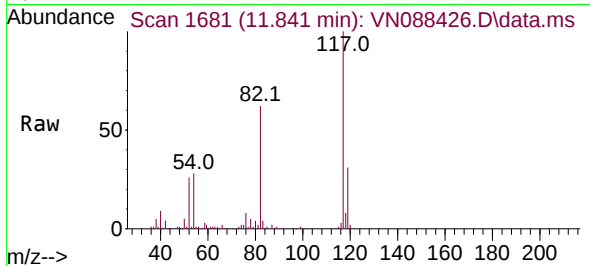




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

Tgt Ion:117 Resp: 409897
Ion Ratio Lower Upper
117 100
82 62.3 47.8 71.8
119 31.1 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: VN088426.D
Acq: 03 Dec 2025 14:13

Tgt Ion:152 Resp: 190705
Ion Ratio Lower Upper
152 100
115 64.3 33.0 98.9
150 157.9 0.0 349.0

