

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088452.D
 Acq On : 04 Dec 2025 17:29
 Operator : JC\MD
 Sample : Q3757-03 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-03D-490-120325

Quant Time: Dec 05 00:18:48 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	204906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	477681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	464655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216573	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	217079	56.238	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.480%
35) Dibromofluoromethane	8.147	113	154647	46.717	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.440%
50) Toluene-d8	10.541	98	550915	44.728	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.460%
62) 4-Bromofluorobenzene	12.829	95	208569	49.352	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.700%

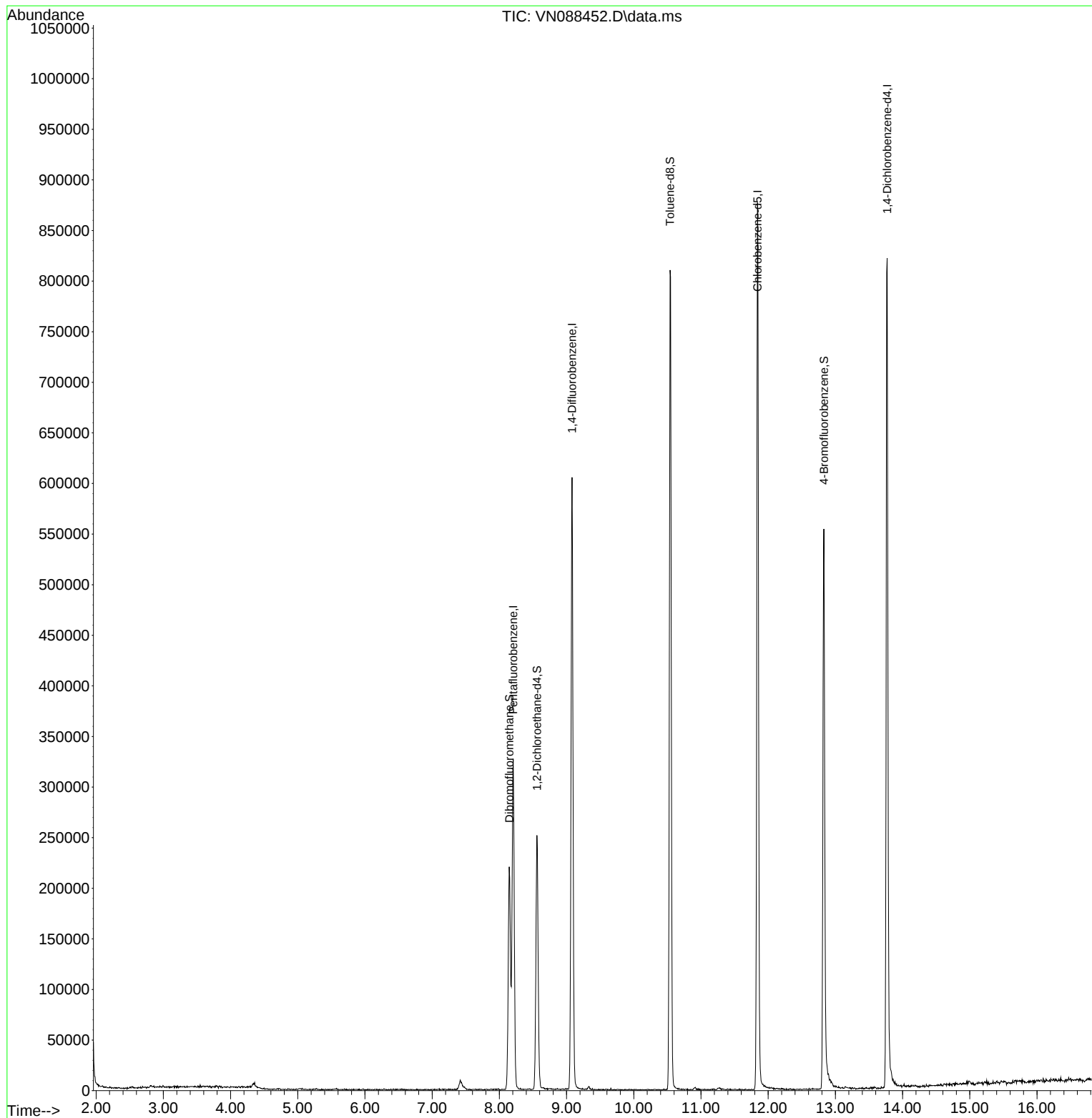
Target Compounds	Qvalue

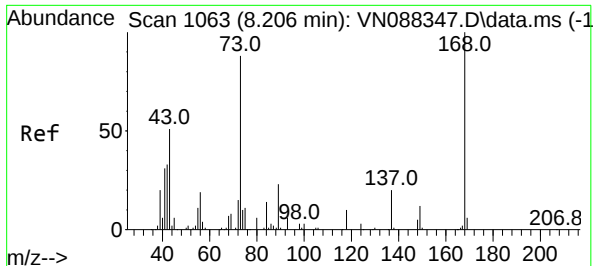
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088452.D
Acq On : 04 Dec 2025 17:29
Operator : JC\MD
Sample : Q3757-03 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BR-03D-490-120325

Quant Time: Dec 05 00:18:48 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

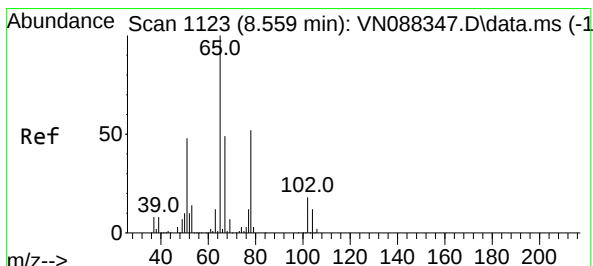
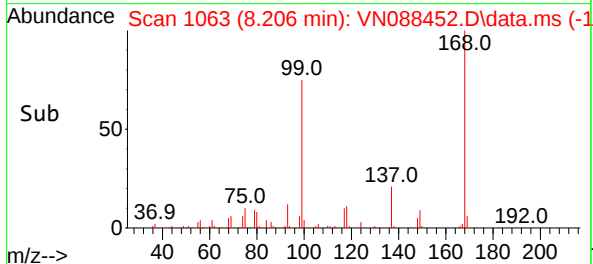
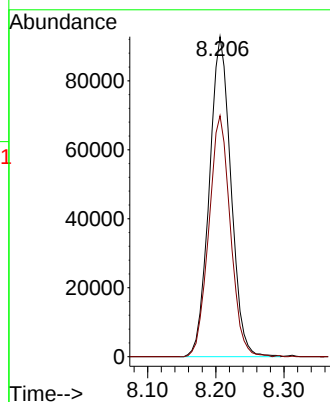
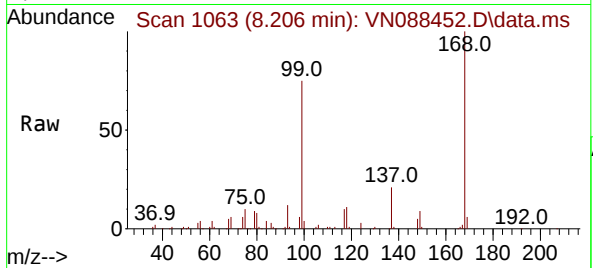




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

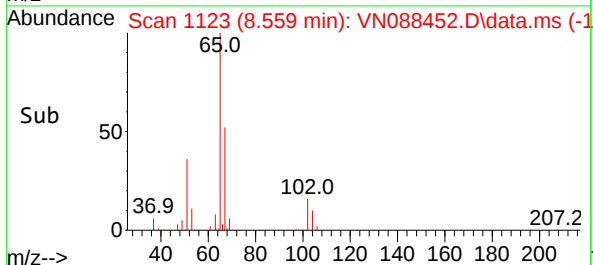
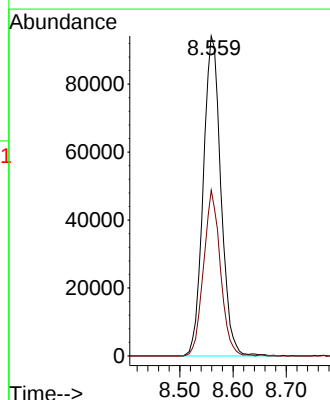
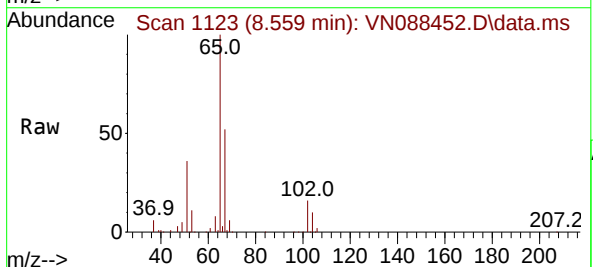
Instrument :
MSVOA_N
ClientSampleId :
BR-03D-490-120325

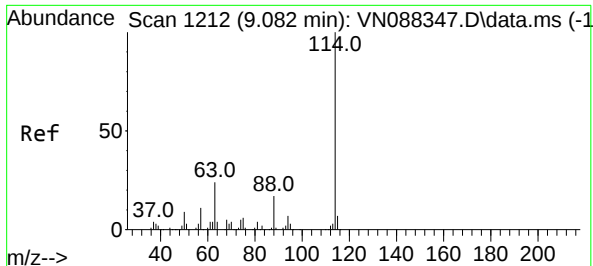
Tgt Ion:168 Resp: 204906
Ion Ratio Lower Upper
168 100
99 75.3 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 56.238 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

Tgt Ion: 65 Resp: 217079
Ion Ratio Lower Upper
65 100
67 49.3 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: VN088452.D

Acq: 04 Dec 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

BR-03D-490-120325

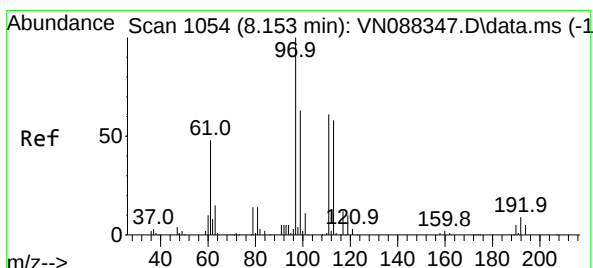
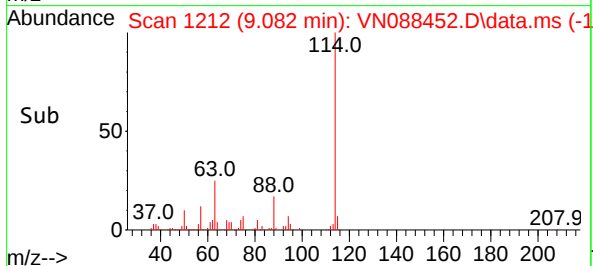
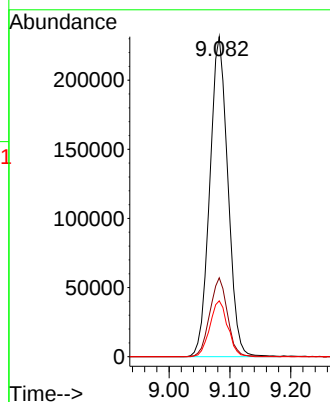
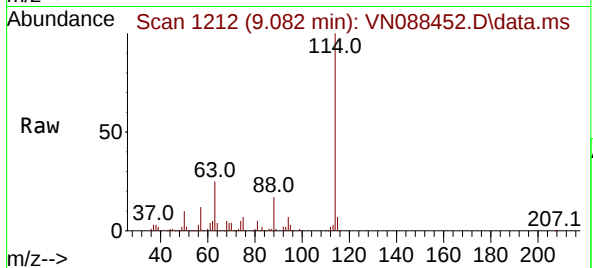
Tgt Ion:114 Resp: 477681

Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.0

88 17.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 46.717 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088452.D

Acq: 04 Dec 2025 17:29

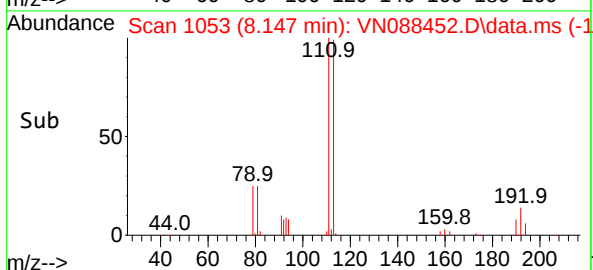
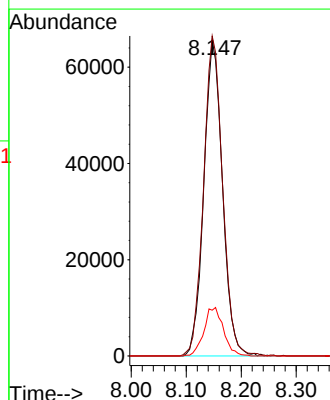
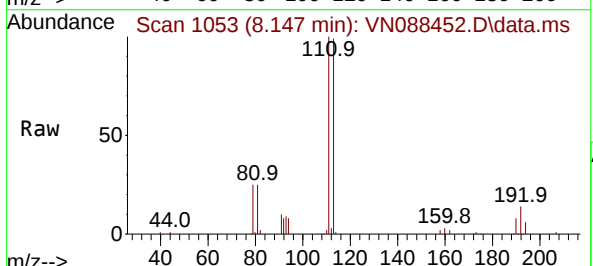
Tgt Ion:113 Resp: 154647

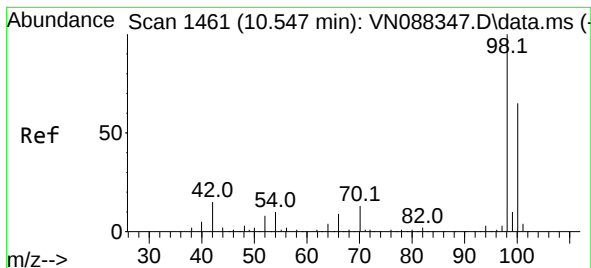
Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 16.1 12.8 19.2





#50

Toluene-d8

Concen: 44.728 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088452.D

Acq: 04 Dec 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

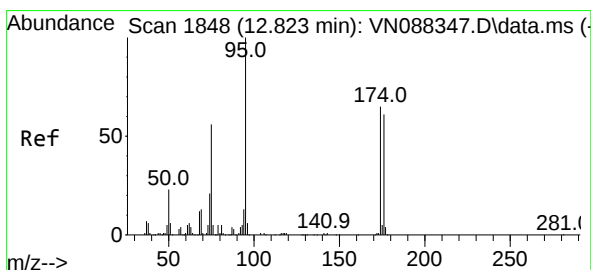
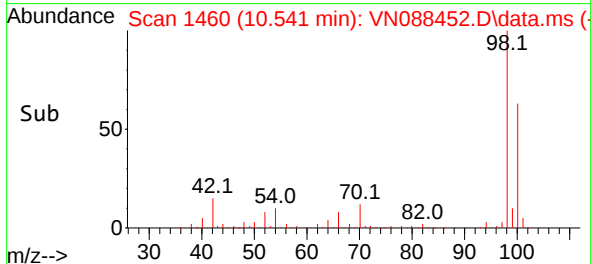
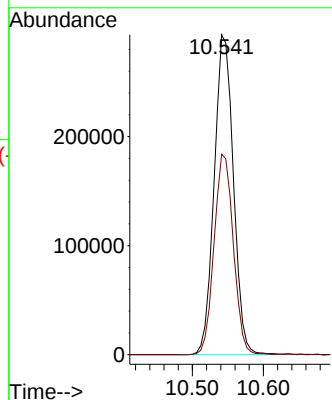
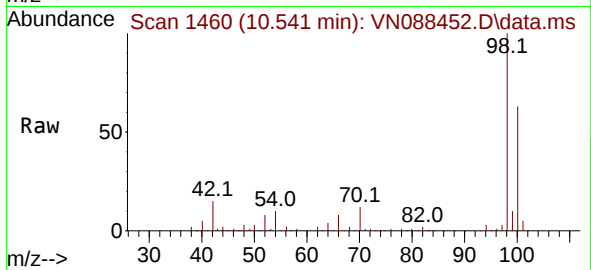
BR-03D-490-120325

Tgt Ion: 98 Resp: 550915

Ion Ratio Lower Upper

98 100

100 62.8 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.352 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088452.D

Acq: 04 Dec 2025 17:29

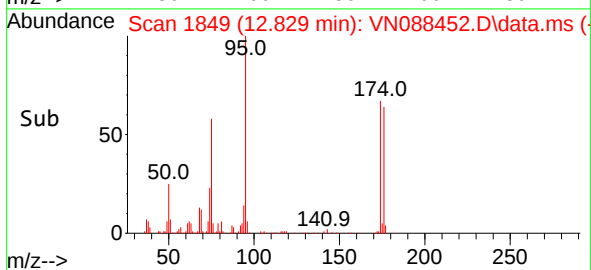
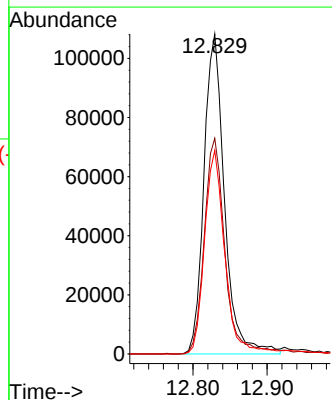
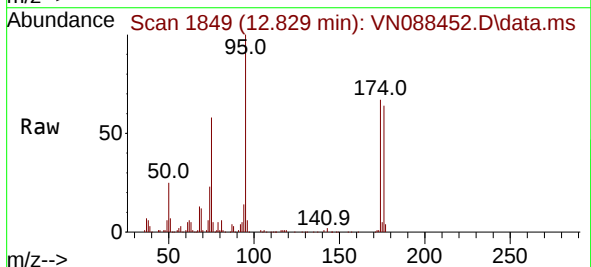
Tgt Ion: 95 Resp: 208569

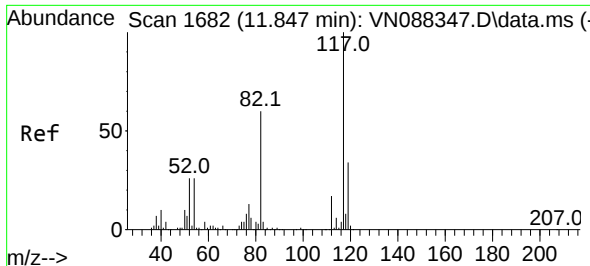
Ion Ratio Lower Upper

95 100

174 68.9 0.0 139.0

176 62.8 0.0 132.4

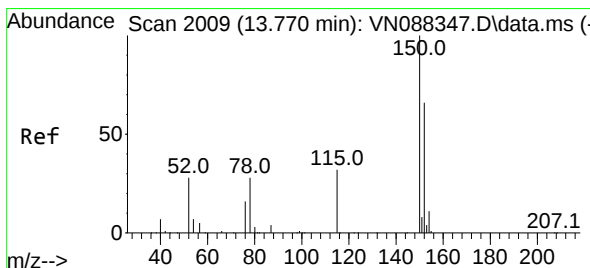
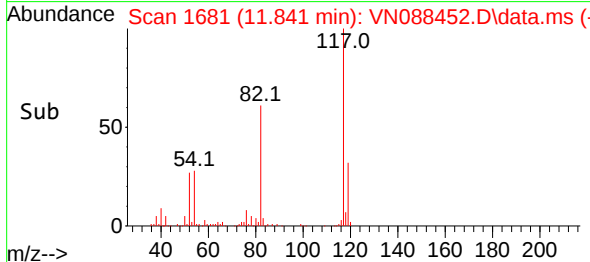
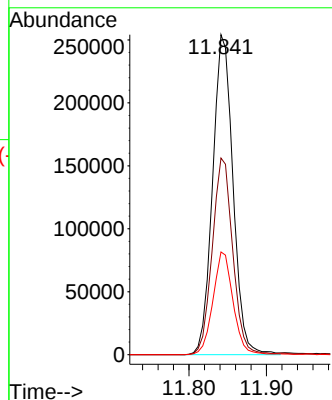
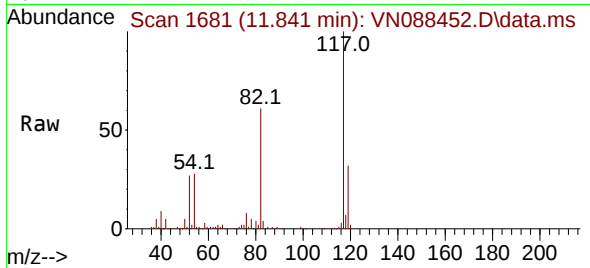




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:117 Resp: 464655
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 32.1 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: VN088452.D
Acq: 04 Dec 2025 17:29

Tgt Ion:152 Resp: 216573
Ion Ratio Lower Upper
152 100
115 66.1 33.0 98.9
150 157.0 0.0 349.0

