

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111025\
 Data File : VN088240.D
 Acq On : 10 Nov 2025 15:05
 Operator : JC\MD
 Sample : Q3590-04
 Misc : 3.50g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0317-0318-COMP

Quant Time: Nov 11 03:53:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.200	168	193524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	432300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	401017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	183020	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	202504	60.513	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	121.020%
35) Dibromofluoromethane	8.141	113	151009	51.996	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.000%
50) Toluene-d8	10.547	98	554128	49.518	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.829	95	191812	48.535	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.060%

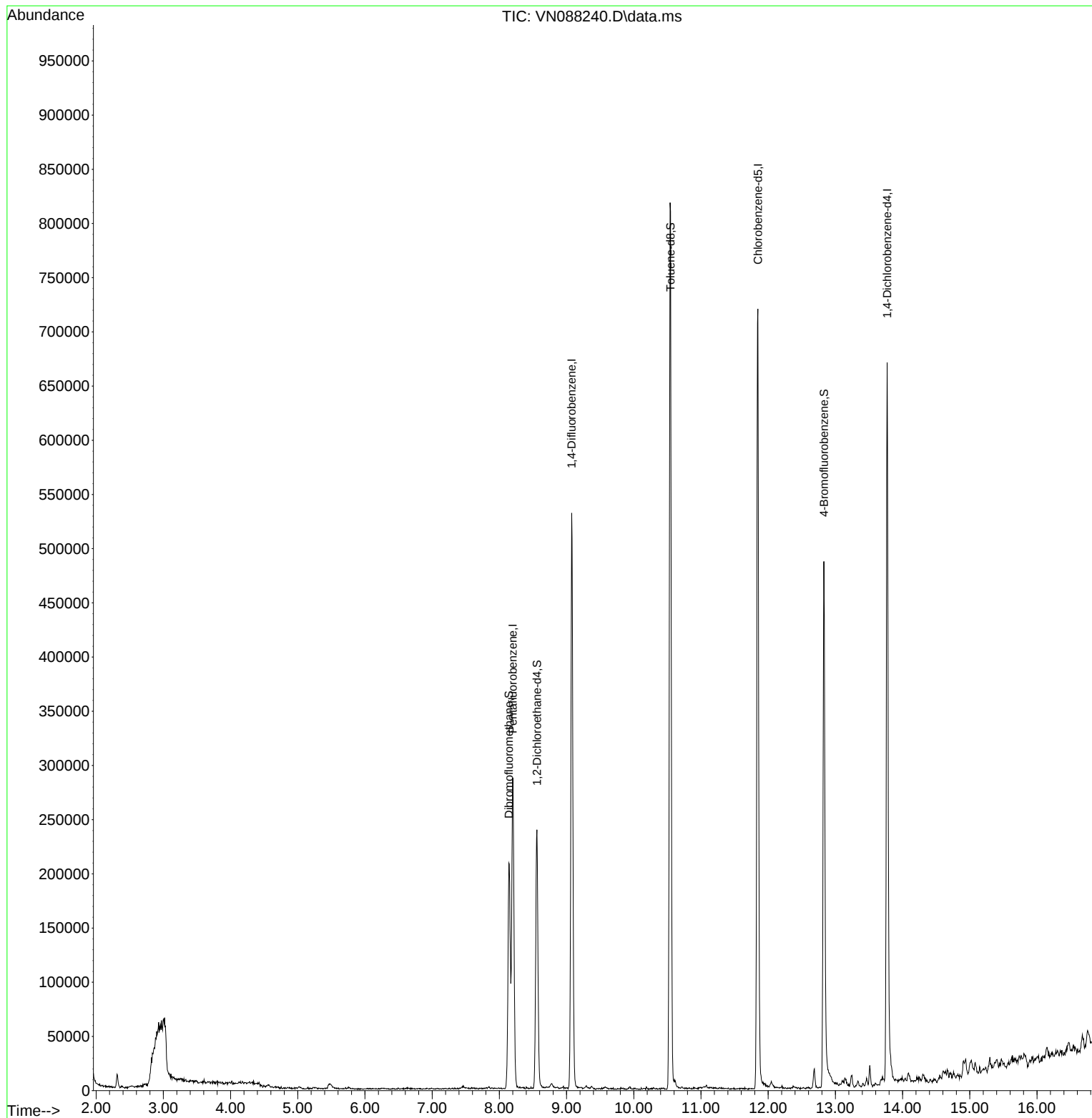
Target Compounds	Qvalue

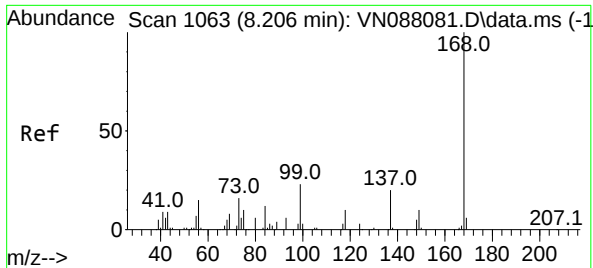
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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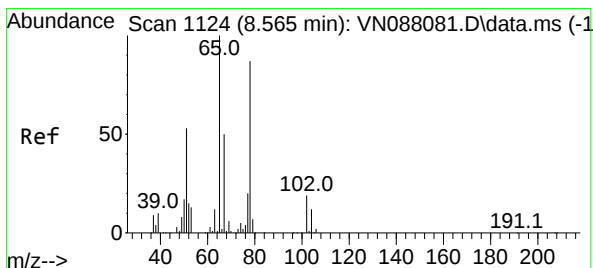
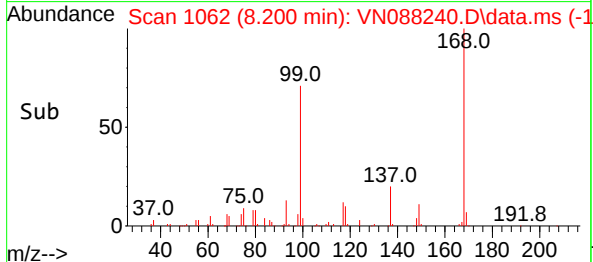
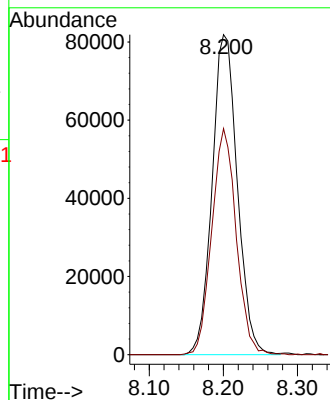
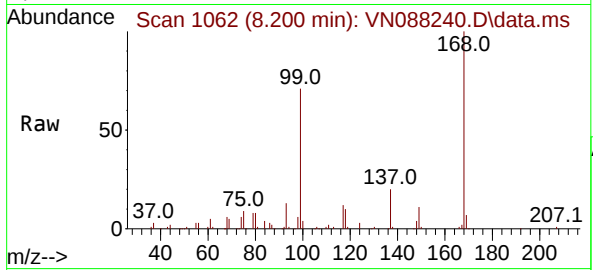




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088240.D
Acq: 10 Nov 2025 15:05

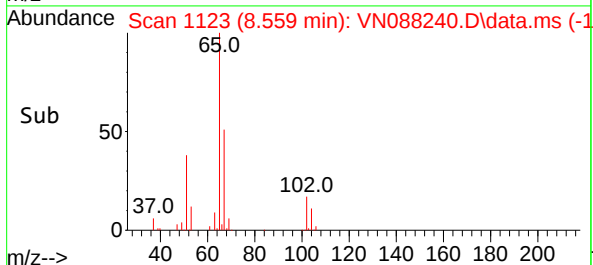
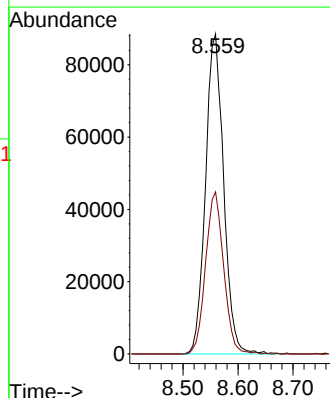
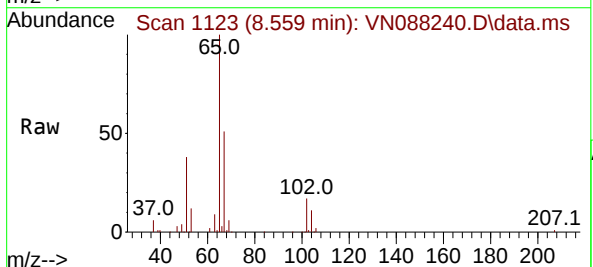
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0317-0318-COMP

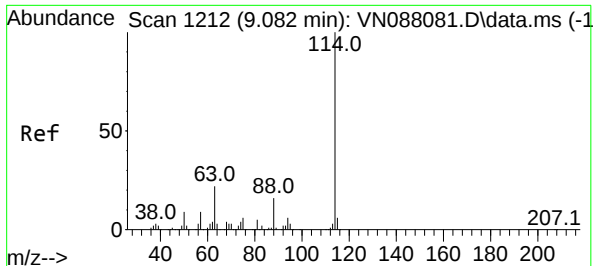
Tgt Ion:168 Resp: 193524
Ion Ratio Lower Upper
168 100
99 70.7 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 60.513 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088240.D
Acq: 10 Nov 2025 15:05

Tgt Ion: 65 Resp: 202504
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088240.D

Acq: 10 Nov 2025 15:05

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0317-0318-COMP

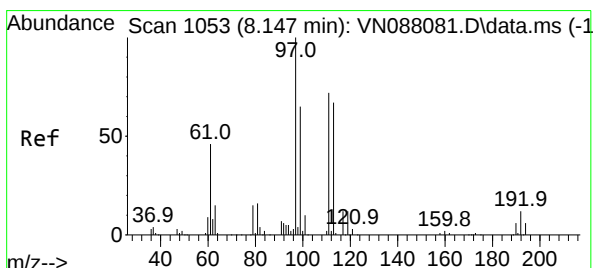
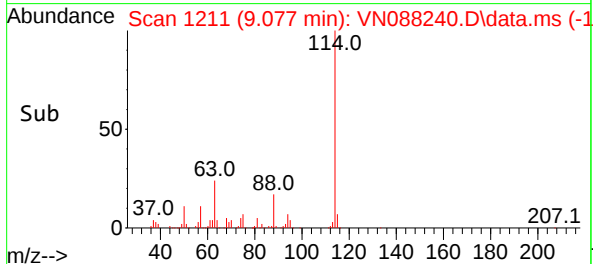
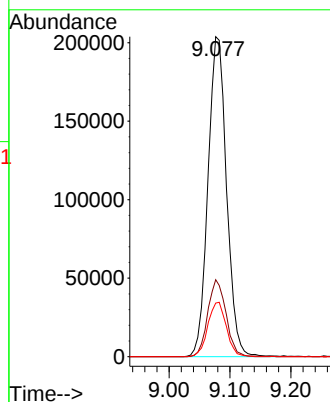
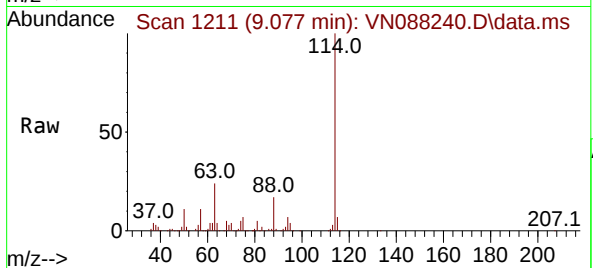
Tgt Ion:114 Resp: 432300

Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.2

88 16.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.996 ug/l

RT: 8.141 min Scan# 1052

Delta R.T. -0.012 min

Lab File: VN088240.D

Acq: 10 Nov 2025 15:05

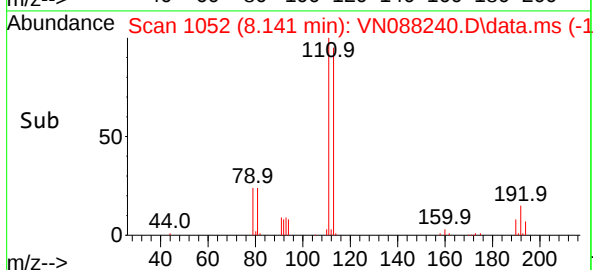
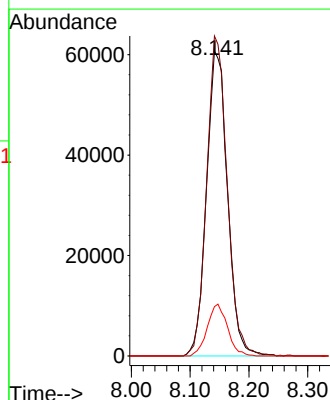
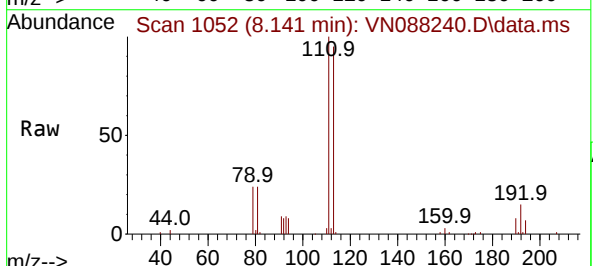
Tgt Ion:113 Resp: 151009

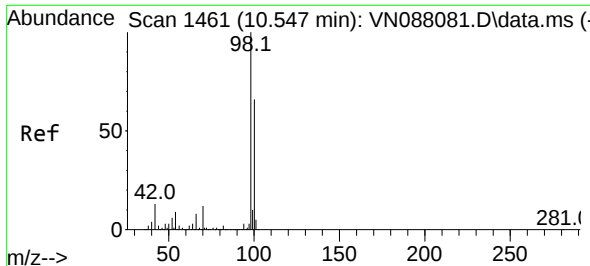
Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 16.3 12.8 19.2

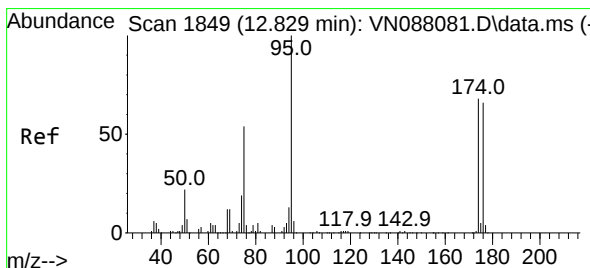
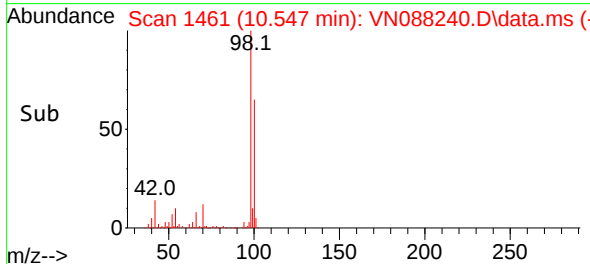
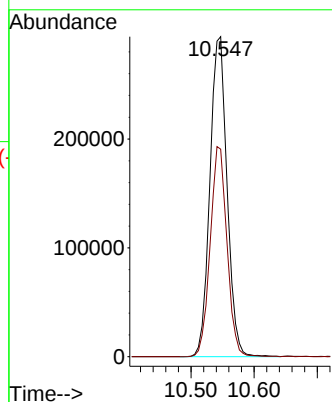
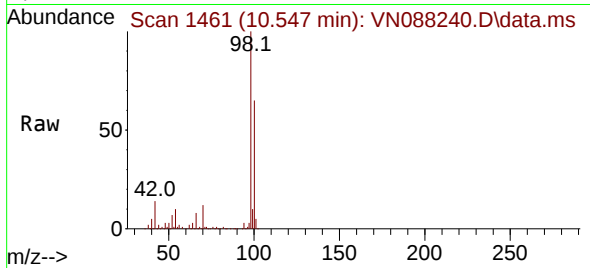




#50
Toluene-d8
Concen: 49.518 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088240.D
Acq: 10 Nov 2025 15:05

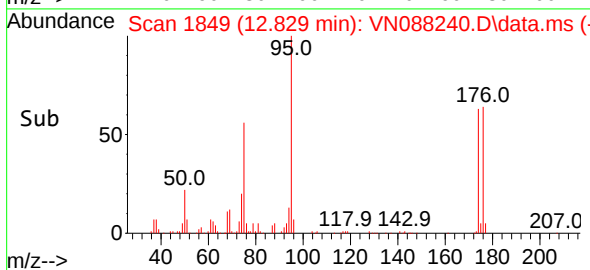
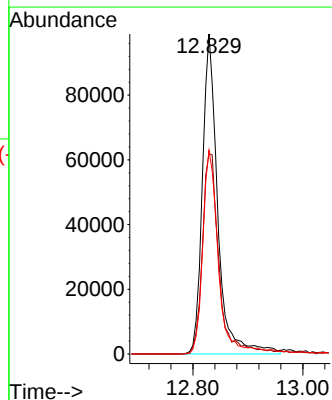
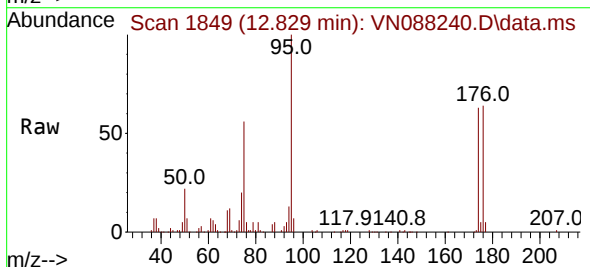
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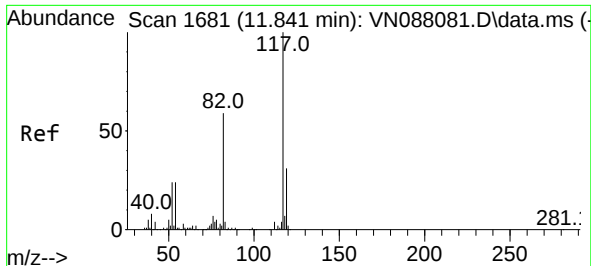
Tgt Ion: 98 Resp: 554128
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.535 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088240.D
Acq: 10 Nov 2025 15:05

Tgt Ion: 95 Resp: 191812
Ion Ratio Lower Upper
95 100
174 67.8 0.0 138.4
176 65.8 0.0 132.6

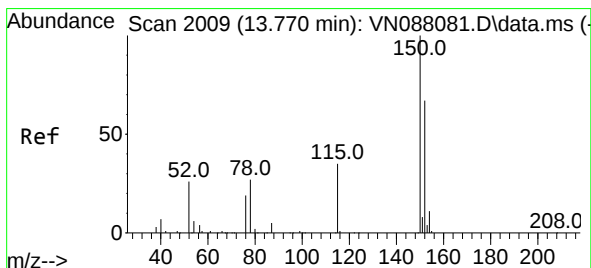
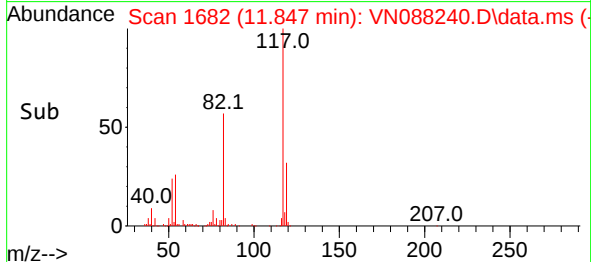
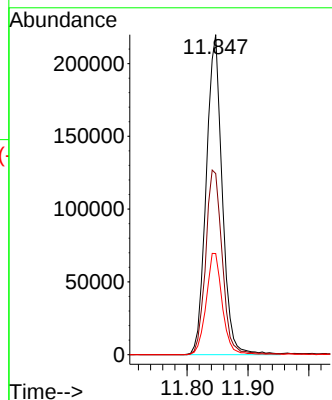
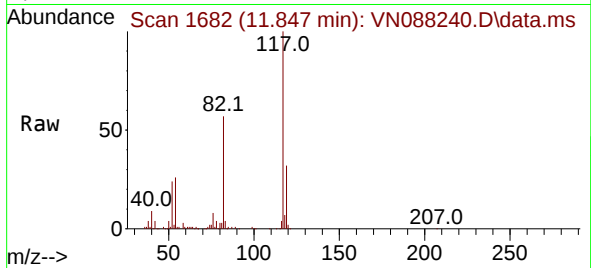




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088240.D
Acq: 10 Nov 2025 15:05

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0317-0318-COMP

Tgt Ion:117 Resp: 401017
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 31.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088240.D
Acq: 10 Nov 2025 15:05

Tgt Ion:152 Resp: 183020
Ion Ratio Lower Upper
152 100
115 63.4 32.3 96.8
150 155.9 0.0 351.0

