

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087648.D
 Acq On : 25 Aug 2025 10:12
 Operator : JC\MD
 Sample : VN0825MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0825MBL01

Quant Time: Aug 26 01:31:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	198007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	457912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	416080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	192731	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	213438	52.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.220%
35) Dibromofluoromethane	8.147	113	159217	48.158	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.320%
50) Toluene-d8	10.547	98	572119	46.235	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.460%
62) 4-Bromofluorobenzene	12.829	95	197489	44.877	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.760%

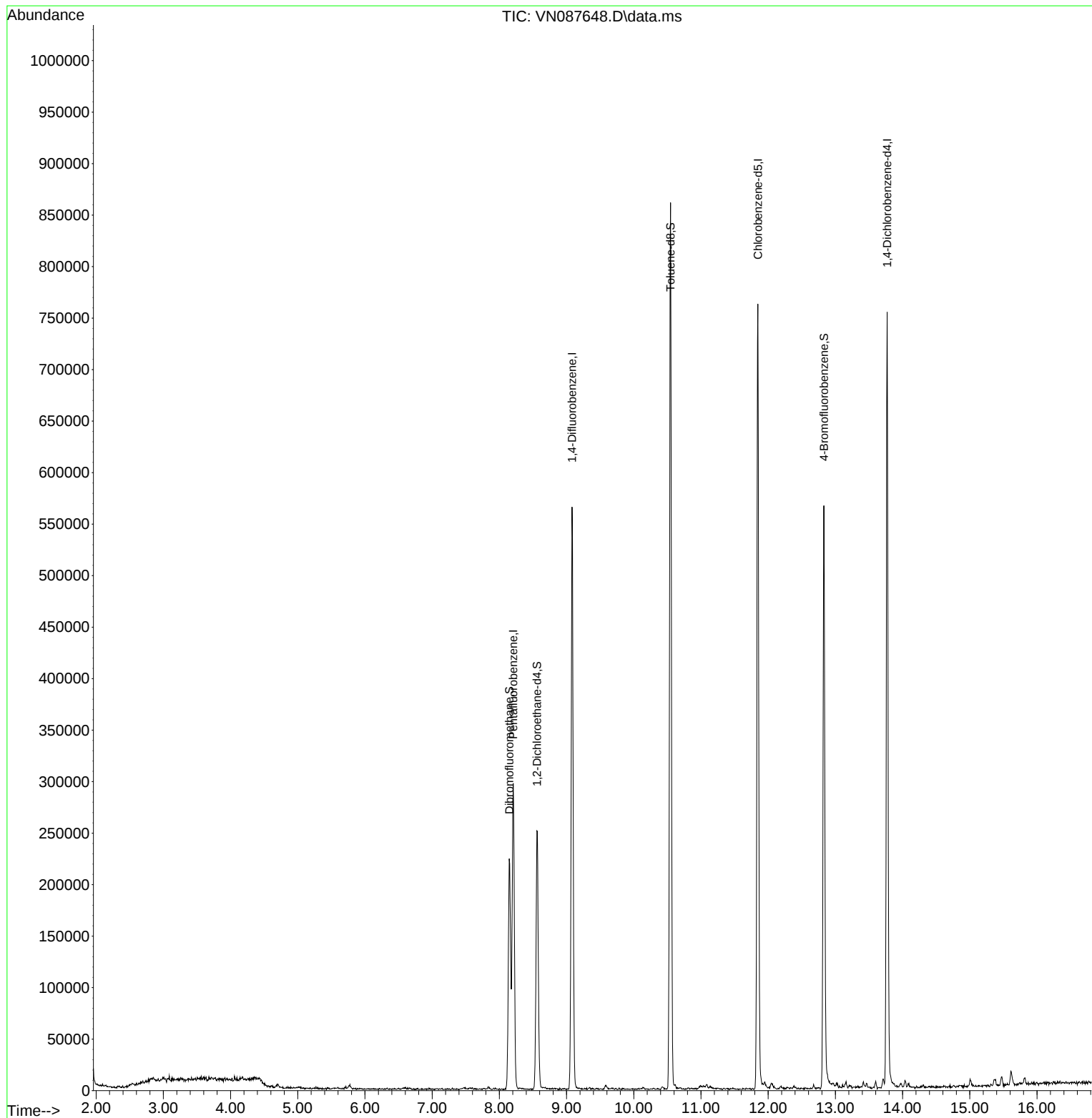
Target Compounds	Qvalue

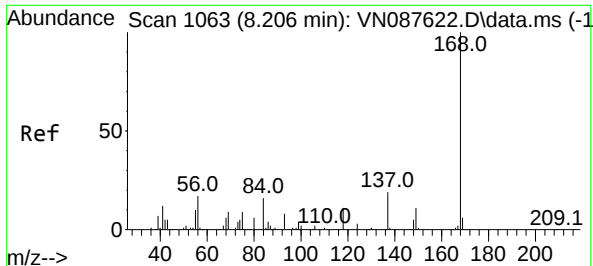
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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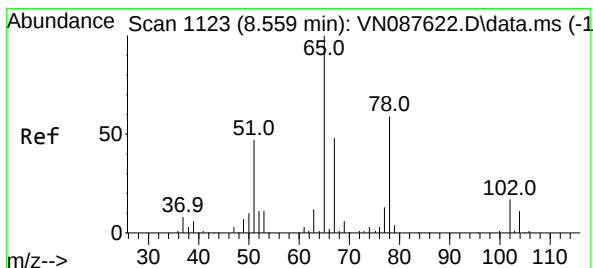
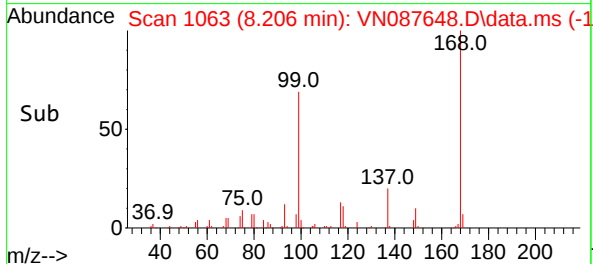
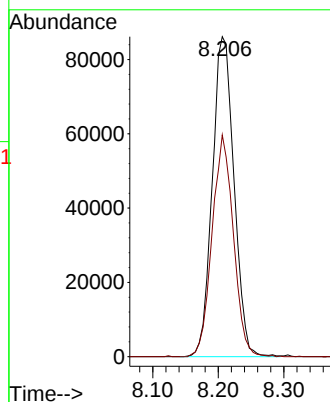
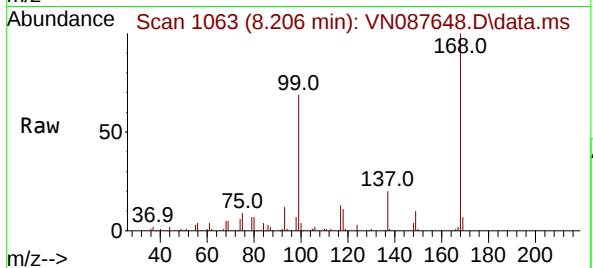




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087648.D
Acq: 25 Aug 2025 10:12

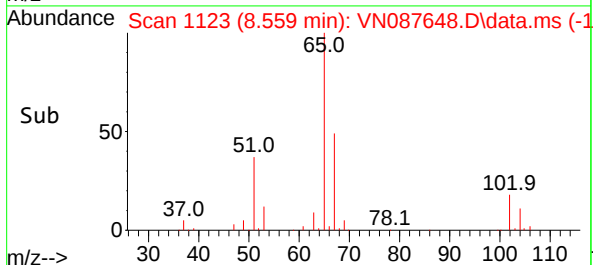
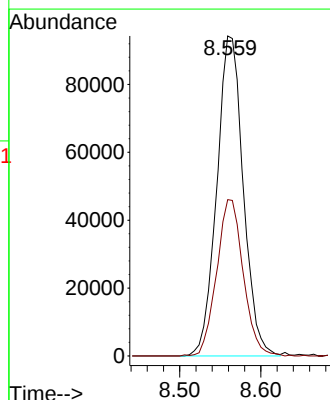
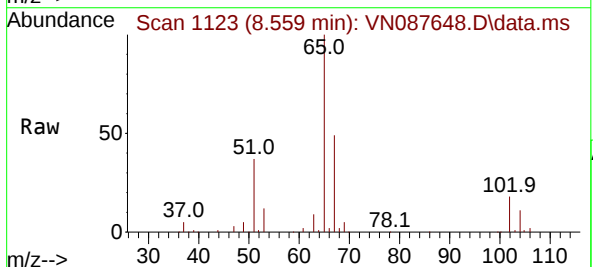
Instrument :
MSVOA_N
ClientSampleId :
VN0825MBL01

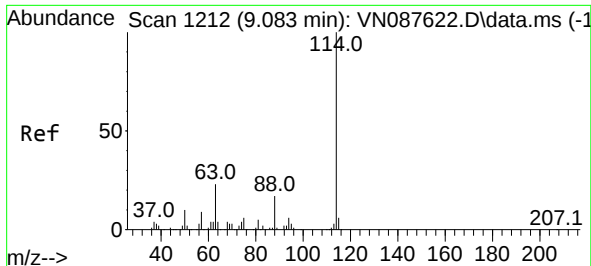
Tgt Ion:168 Resp: 198007
Ion Ratio Lower Upper
168 100
99 69.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 52.611 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087648.D
Acq: 25 Aug 2025 10:12

Tgt Ion: 65 Resp: 213438
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087648.D

Acq: 25 Aug 2025 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN0825MBL01

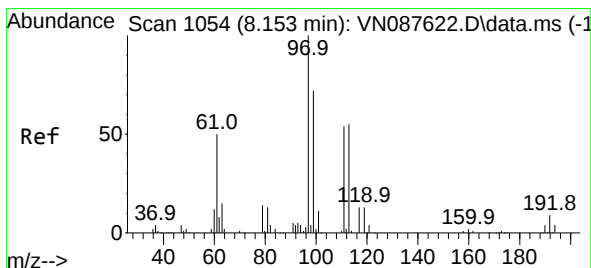
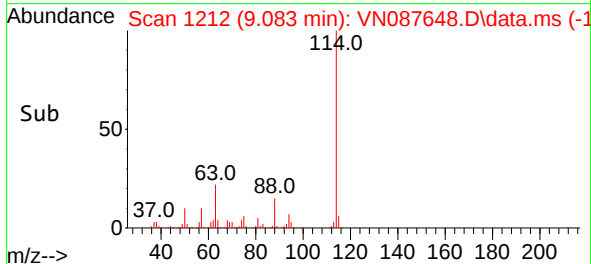
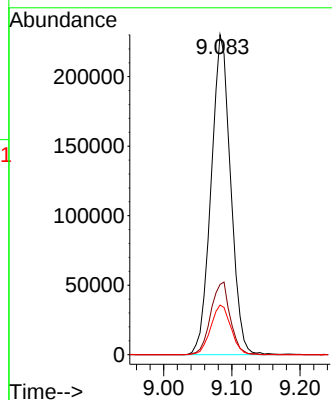
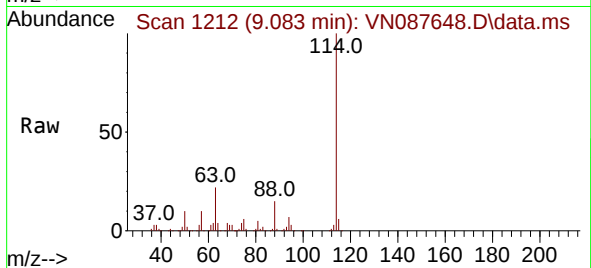
Tgt Ion:114 Resp: 457912

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

88 15.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.158 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087648.D

Acq: 25 Aug 2025 10:12

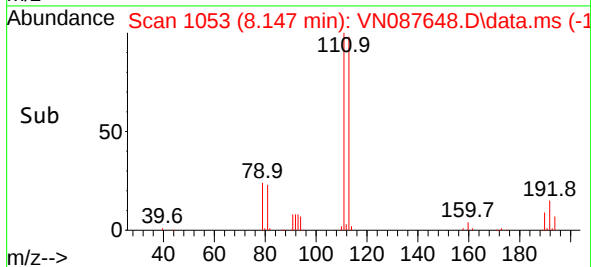
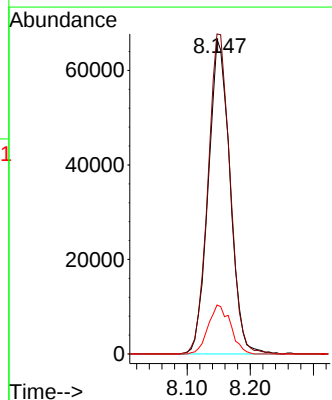
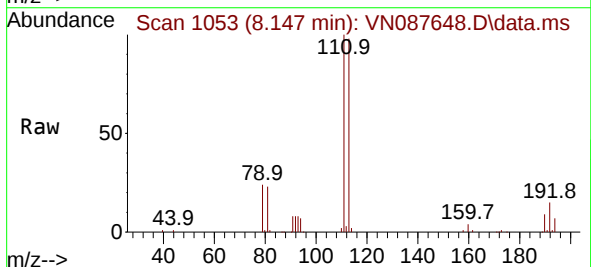
Tgt Ion:113 Resp: 159217

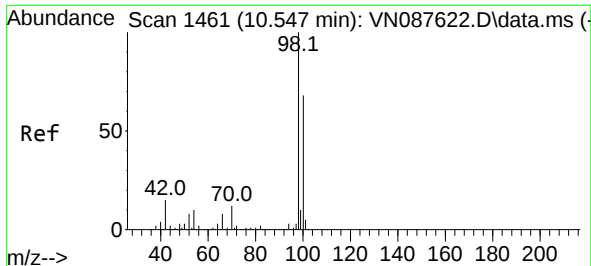
Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 16.1 12.8 19.2

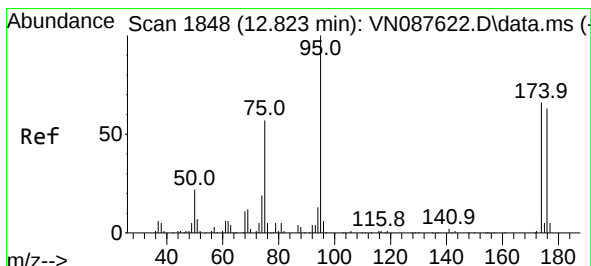
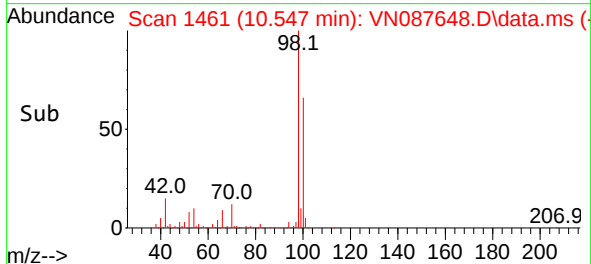
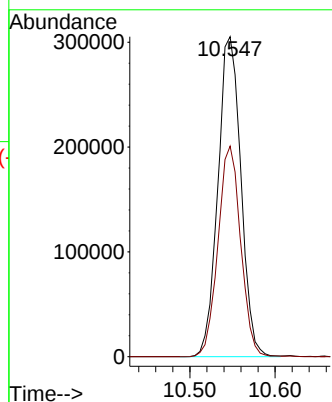
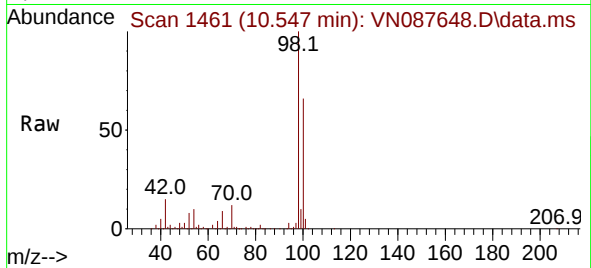




#50
Toluene-d8
Concen: 46.235 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087648.D
Acq: 25 Aug 2025 10:12

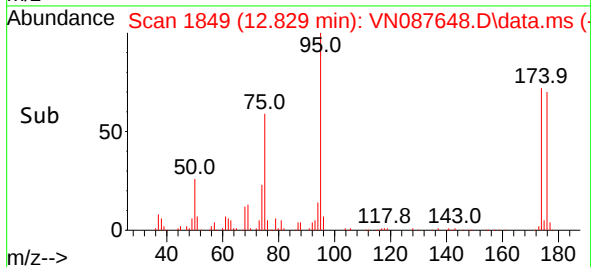
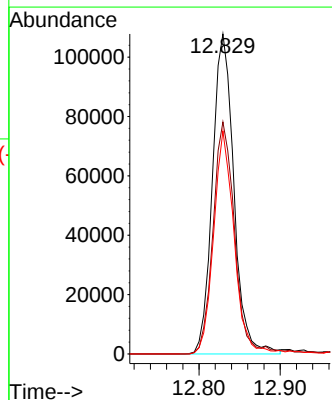
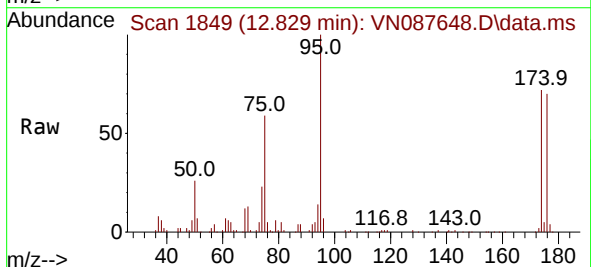
Instrument :
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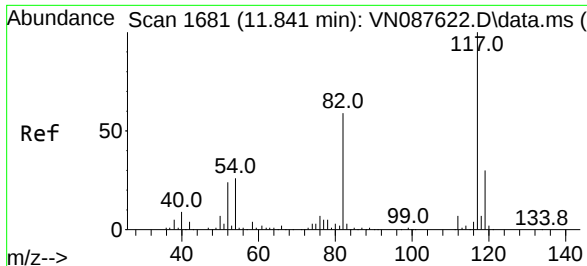
Tgt Ion: 98 Resp: 572119
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.877 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087648.D
Acq: 25 Aug 2025 10:12

Tgt Ion: 95 Resp: 197489
Ion Ratio Lower Upper
95 100
174 73.4 0.0 138.4
176 67.7 0.0 132.6

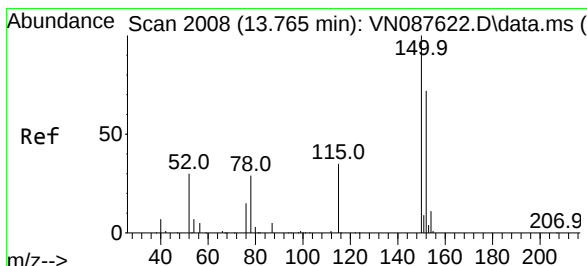
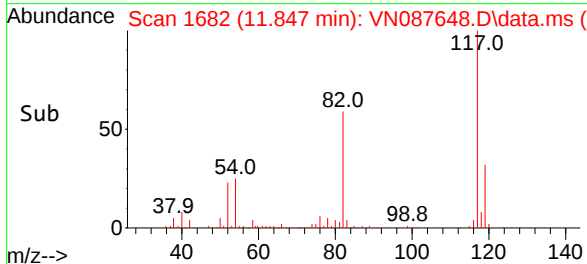
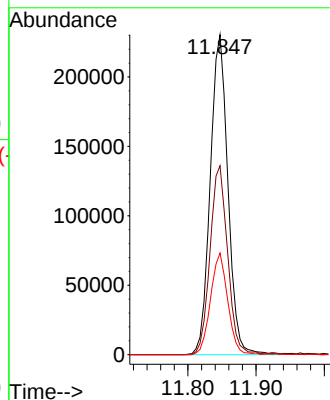
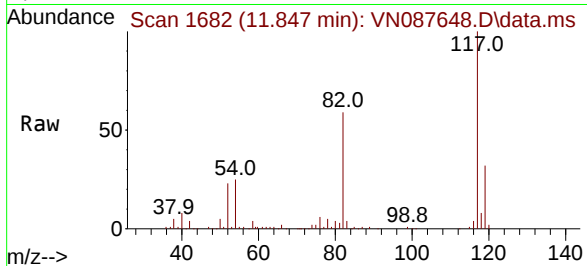




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087648.D
Acq: 25 Aug 2025 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN0825MBL01

Tgt Ion:117 Resp: 416080
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 31.8 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: VN087648.D
Acq: 25 Aug 2025 10:12

Tgt Ion:152 Resp: 192731
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 156.1 0.0 351.0

