

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087575.D
 Acq On : 15 Aug 2025 11:12
 Operator : JC\MD
 Sample : VN0815WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL01

Quant Time: Aug 18 05:40:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	192276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	377502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	347368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	154069	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	196309	60.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.340%
35) Dibromofluoromethane	8.147	113	131619	50.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.080%
50) Toluene-d8	10.547	98	471339	50.743	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.829	95	164464	47.924	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.840%

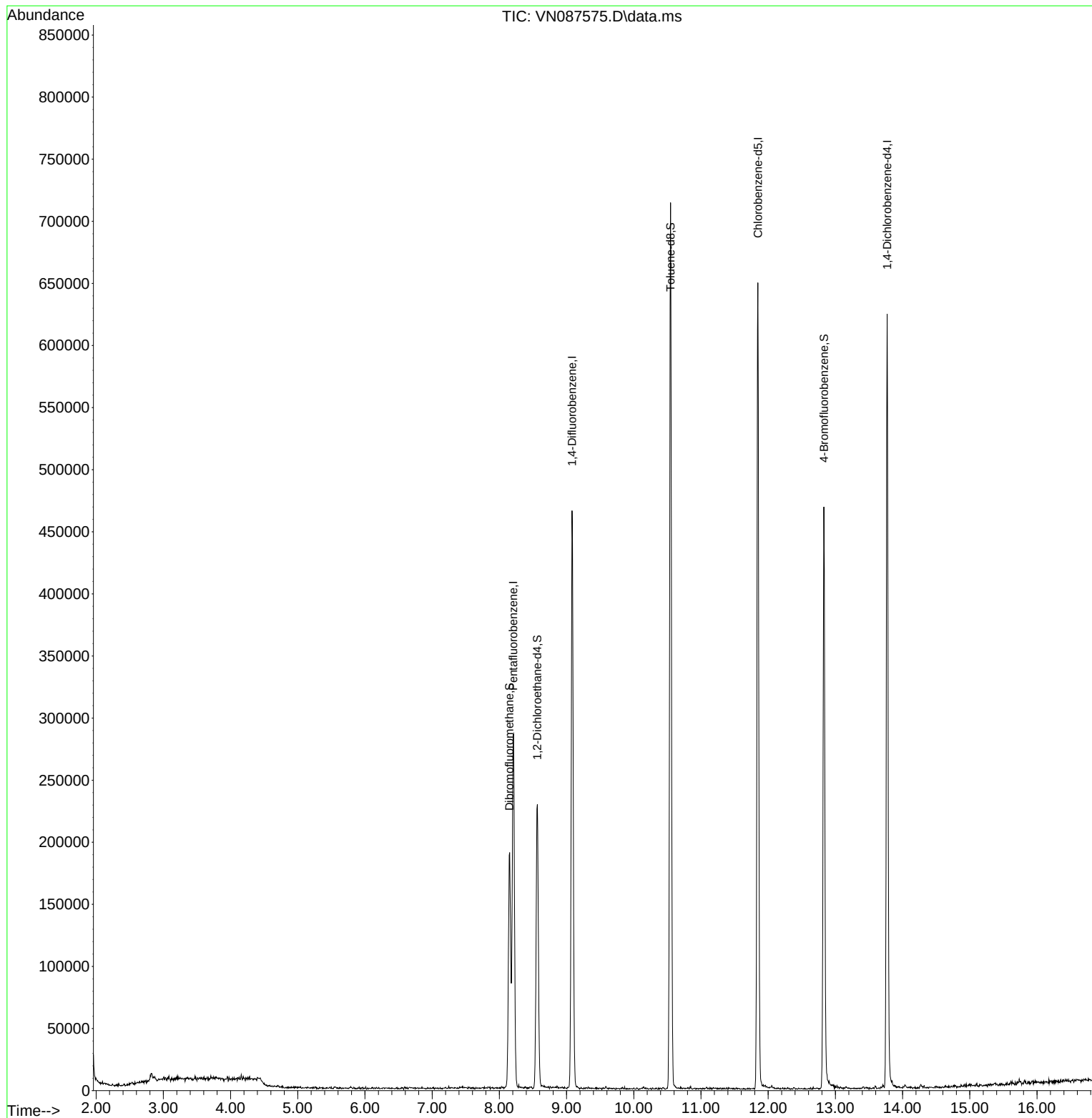
Target Compounds	Qvalue

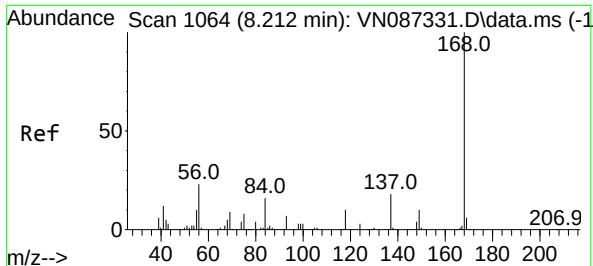
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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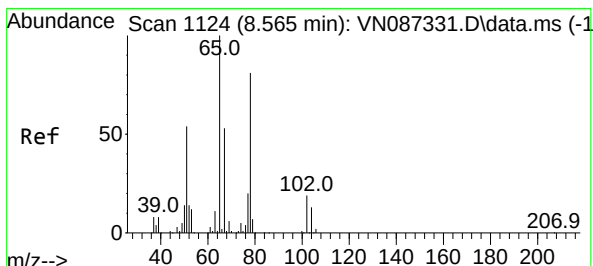
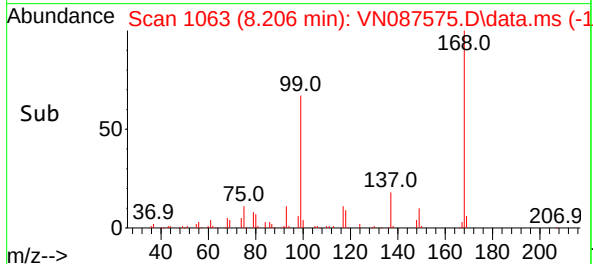
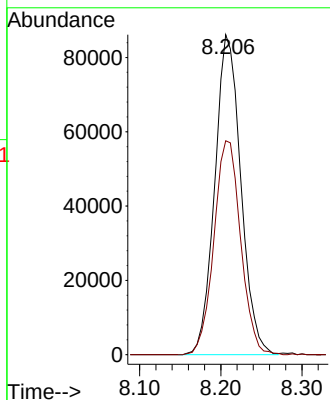
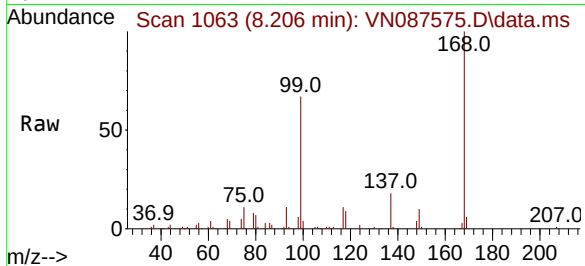




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

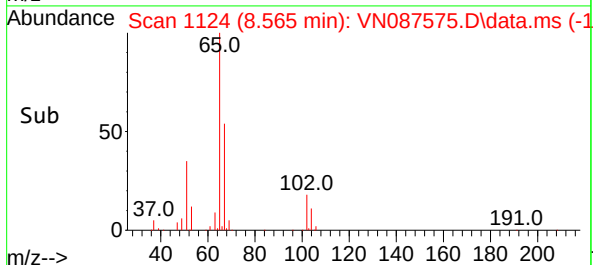
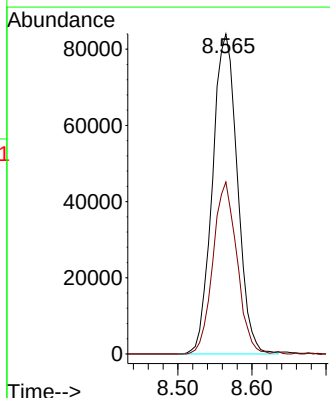
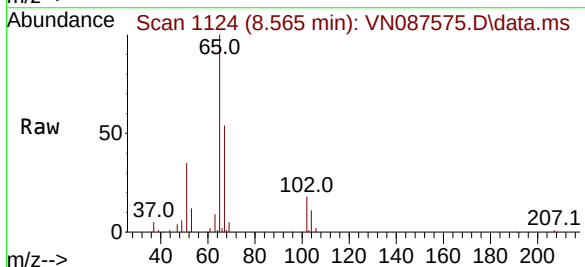
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL01

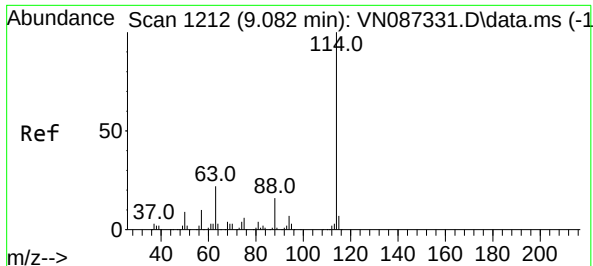
Tgt Ion:168 Resp: 192276
Ion Ratio Lower Upper
168 100
99 66.9 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 60.171 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Tgt Ion: 65 Resp: 196309
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087575.D

Acq: 15 Aug 2025 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBL01

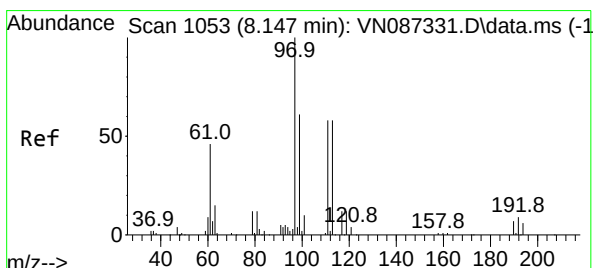
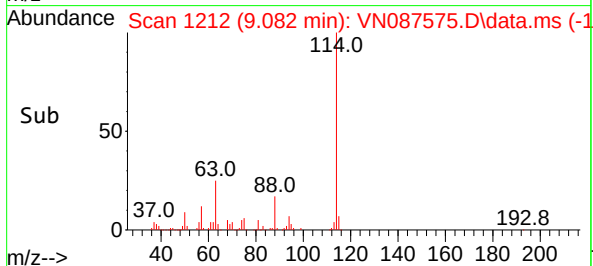
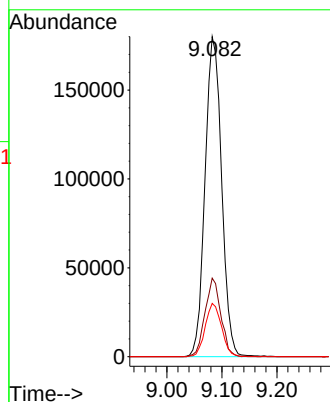
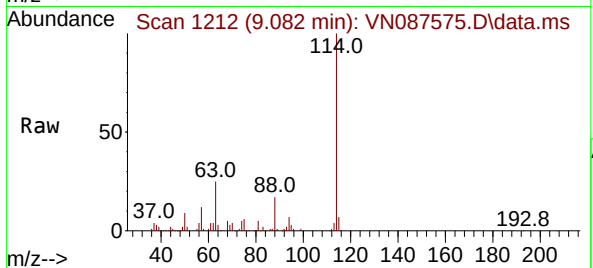
Tgt Ion:114 Resp: 377502

Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.6

88 16.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.545 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087575.D

Acq: 15 Aug 2025 11:12

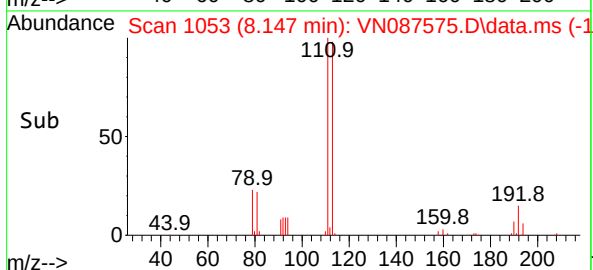
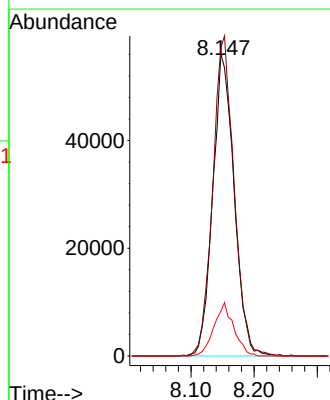
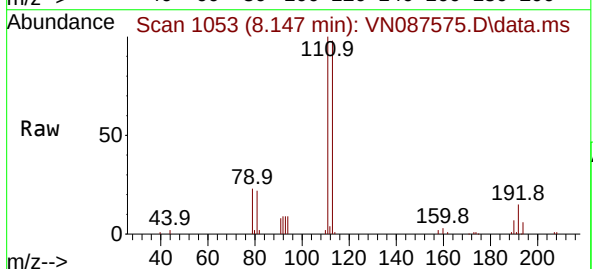
Tgt Ion:113 Resp: 131619

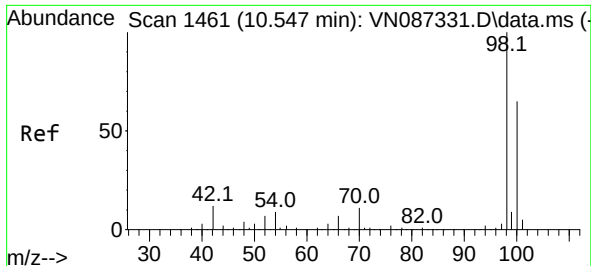
Ion Ratio Lower Upper

113 100

111 105.5 82.5 123.7

192 16.4 13.7 20.5

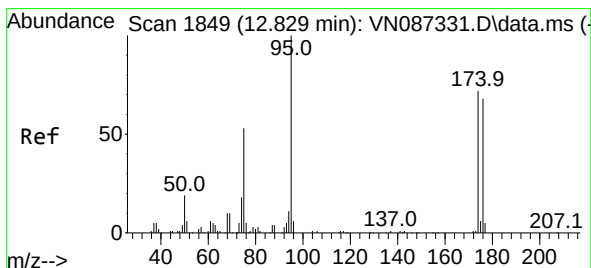
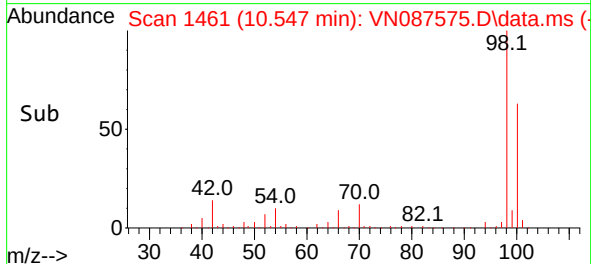
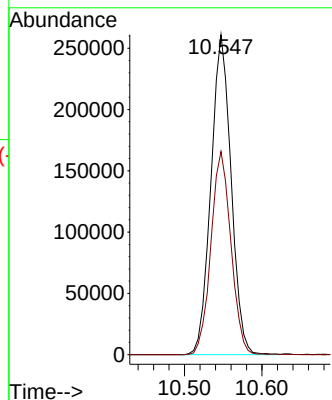
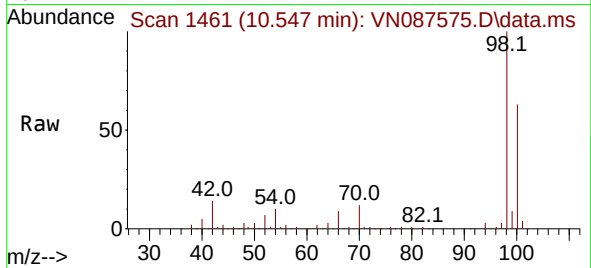




#50
Toluene-d8
Concen: 50.743 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

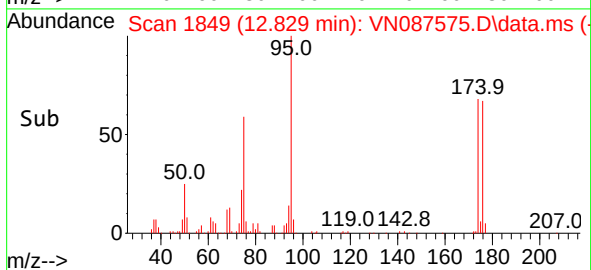
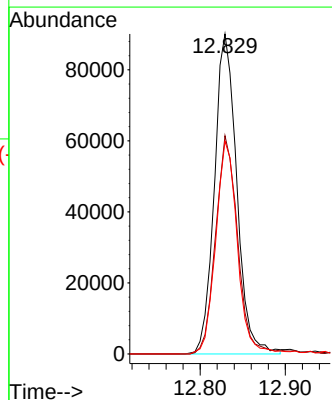
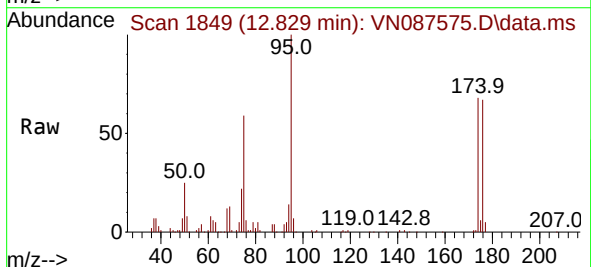
Instrument :
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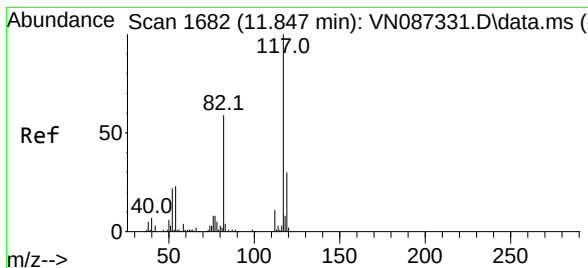
Tgt Ion: 98 Resp: 471339
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.924 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Tgt Ion: 95 Resp: 164464
Ion Ratio Lower Upper
95 100
174 68.2 0.0 149.4
176 64.7 0.0 141.2

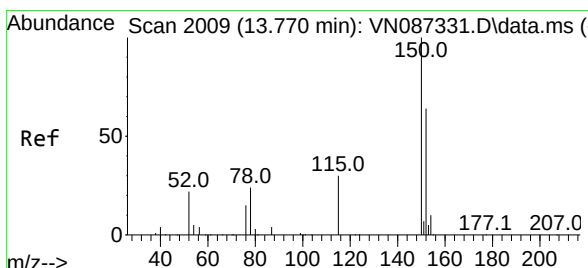
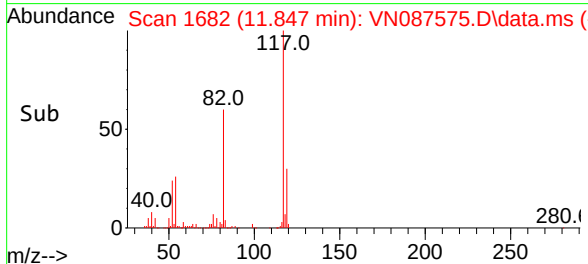
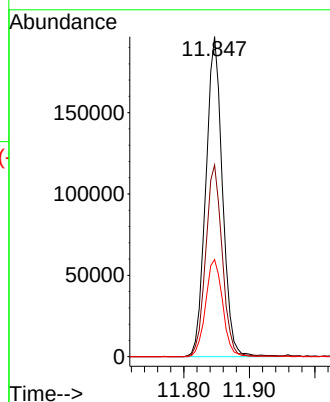
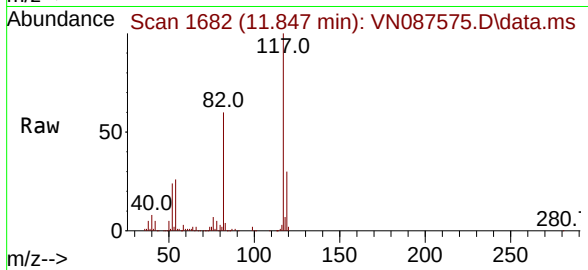




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL01

Tgt Ion:117 Resp: 347368
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 30.3 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Tgt Ion:152 Resp: 154069
Ion Ratio Lower Upper
152 100
115 66.2 31.1 93.5
150 162.0 0.0 349.0

