

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086315.D
 Acq On : 17 Apr 2025 12:19
 Operator : JC\MD
 Sample : VN0417WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBL01

Quant Time: Apr 18 01:30:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	197197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	375835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153883	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139504	48.786	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.580%
35) Dibromofluoromethane	8.165	113	96188	55.144	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.280%
50) Toluene-d8	10.565	98	474628	50.913	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.847	95	174065	51.192	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.380%

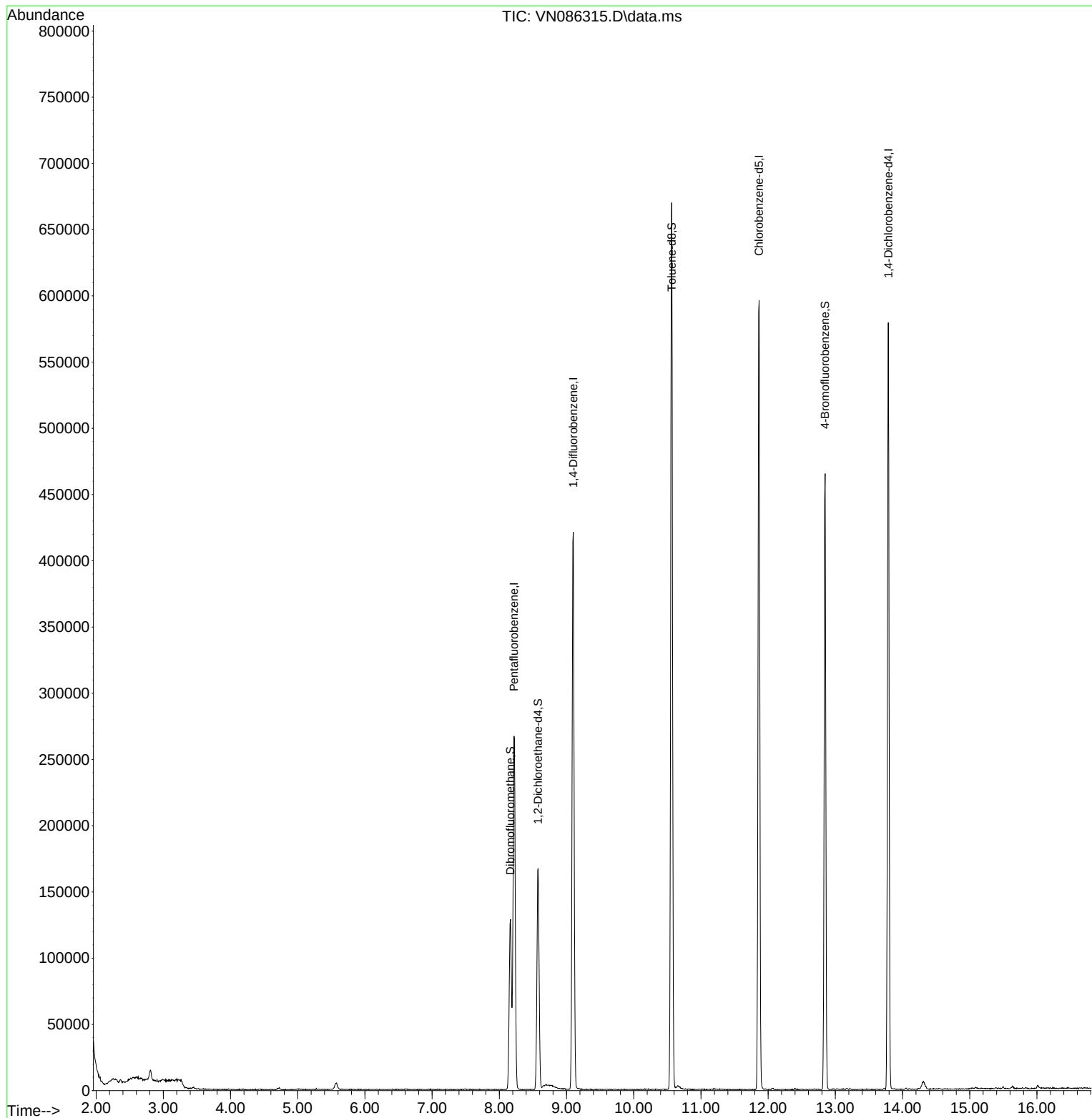
Target Compounds	Qvalue

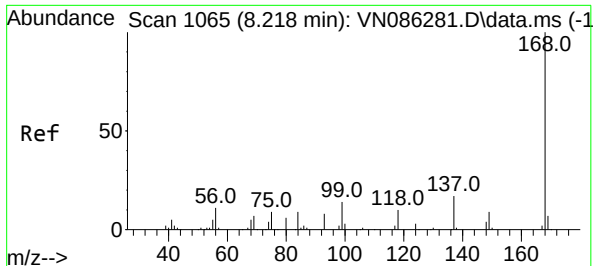
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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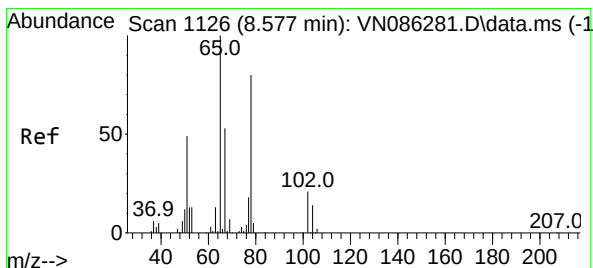
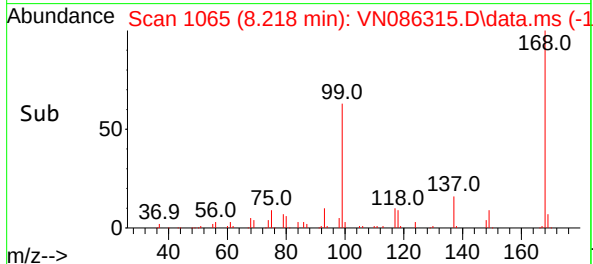
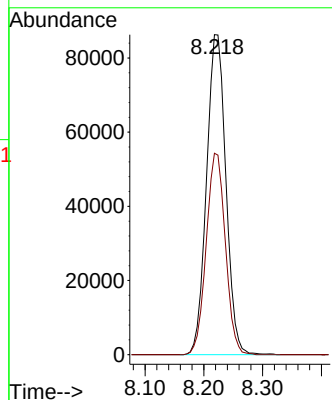
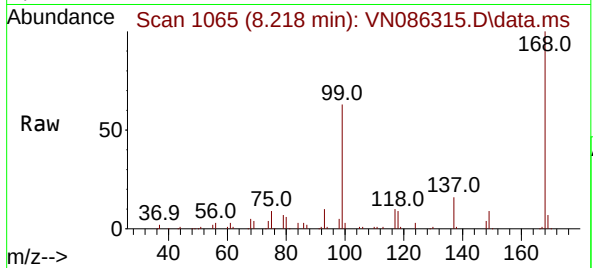




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN086315.D
Acq: 17 Apr 2025 12:19

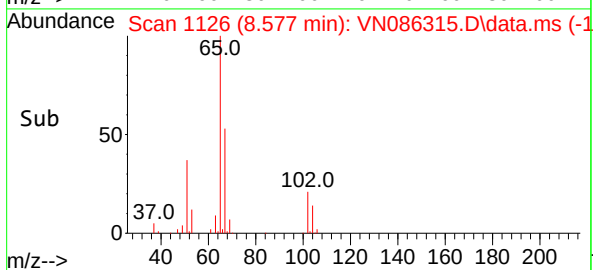
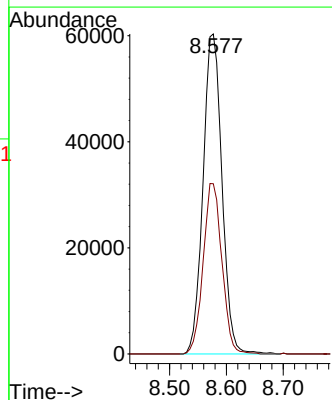
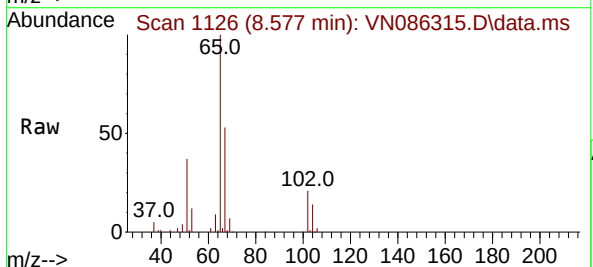
Instrument :
MSVOA_N
ClientSampleId :
VN0417WBL01

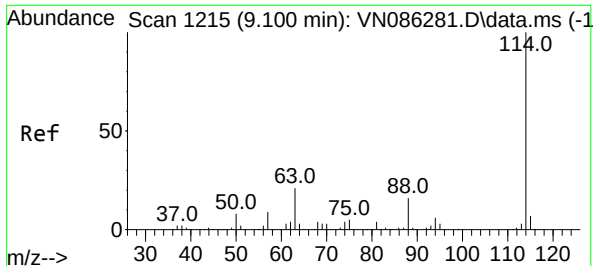
Tgt Ion:168 Resp: 197197
Ion Ratio Lower Upper
168 100
99 63.0 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 48.786 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086315.D
Acq: 17 Apr 2025 12:19

Tgt Ion: 65 Resp: 139504
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086315.D

Acq: 17 Apr 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBL01

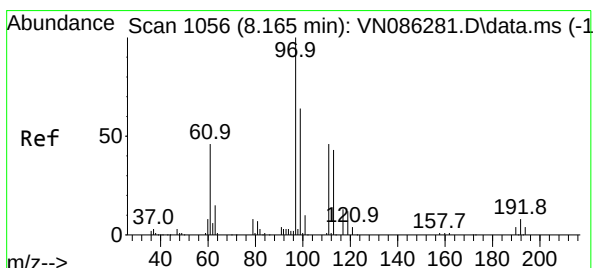
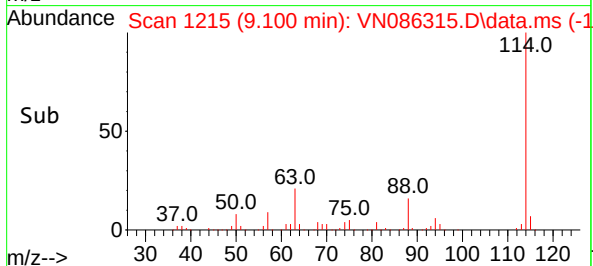
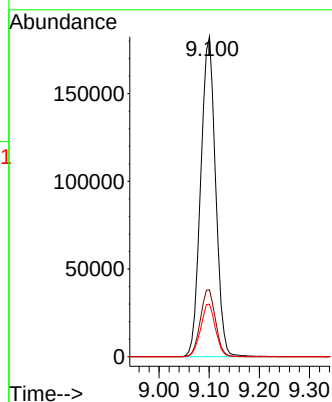
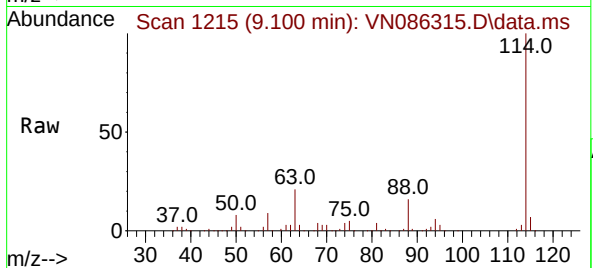
Tgt Ion:114 Resp: 375835

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.144 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086315.D

Acq: 17 Apr 2025 12:19

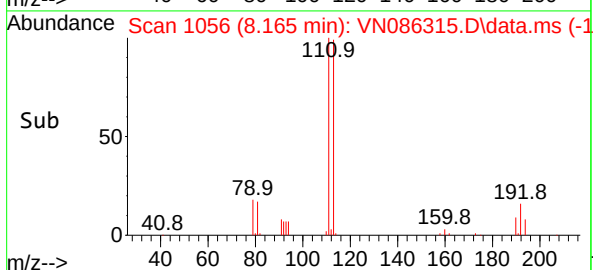
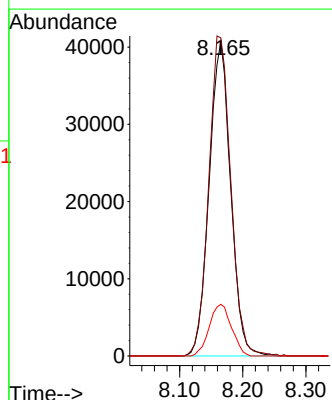
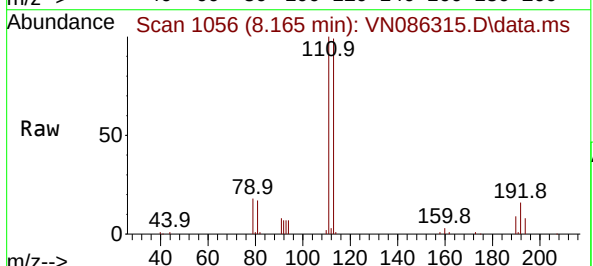
Tgt Ion:113 Resp: 96188

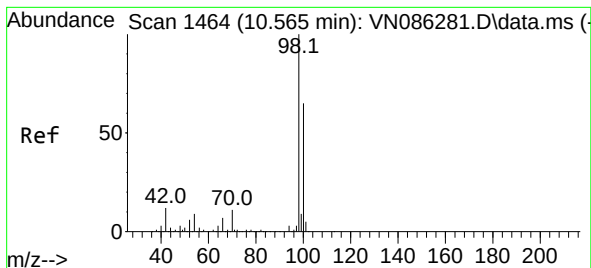
Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.0

192 17.0 13.7 20.5





#50

Toluene-d8

Concen: 50.913 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086315.D

Acq: 17 Apr 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

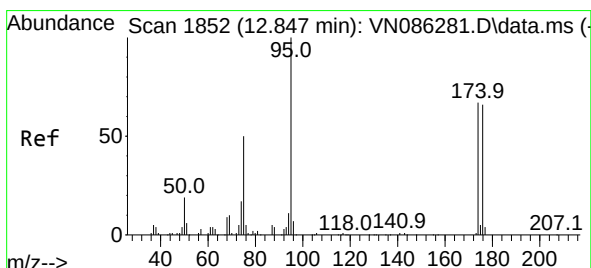
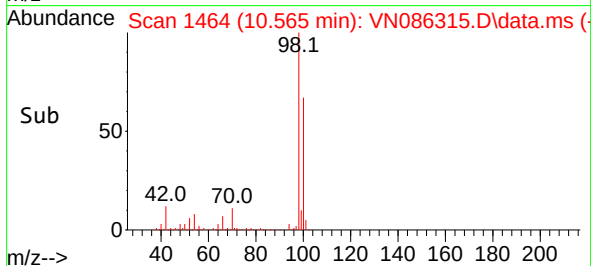
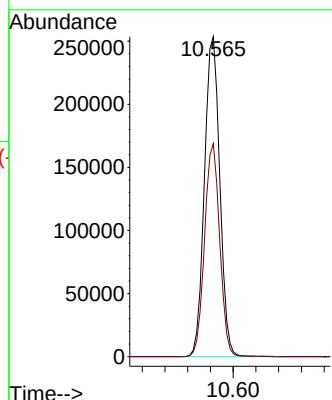
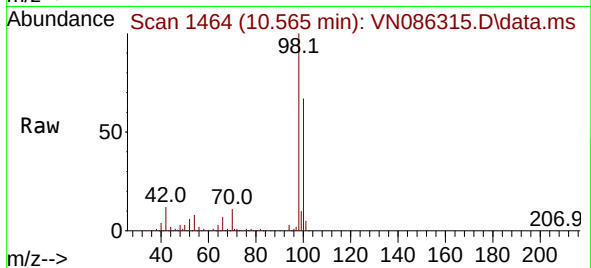
VN0417WBL01

Tgt Ion: 98 Resp: 474628

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 51.192 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086315.D

Acq: 17 Apr 2025 12:19

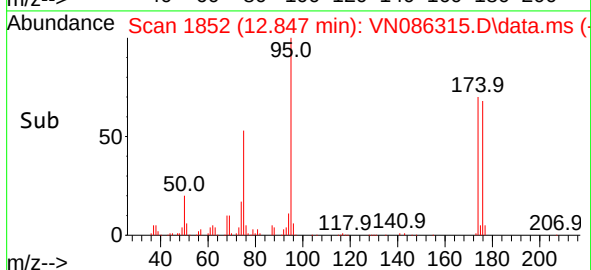
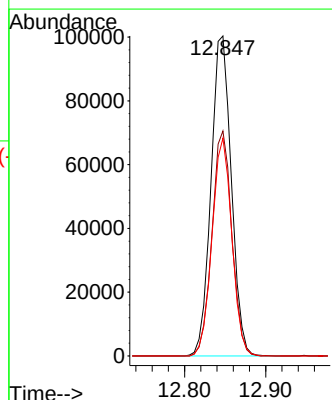
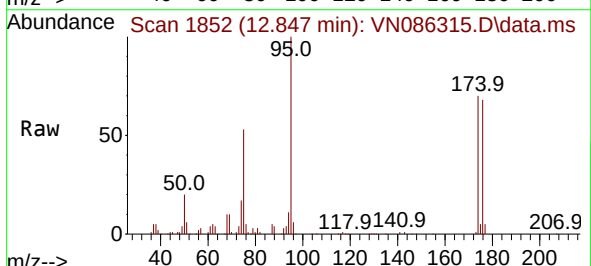
Tgt Ion: 95 Resp: 174065

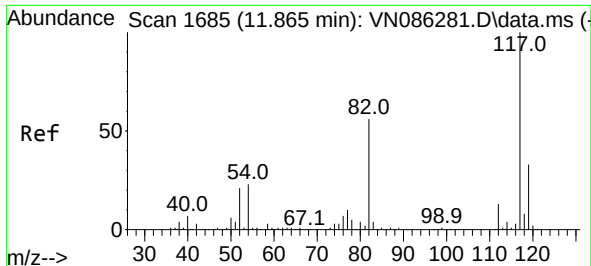
Ion Ratio Lower Upper

95 100

174 68.9 0.0 133.4

176 66.4 0.0 129.2

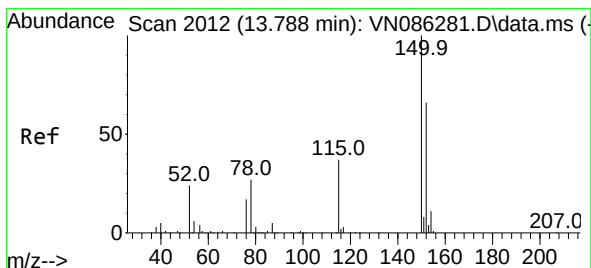
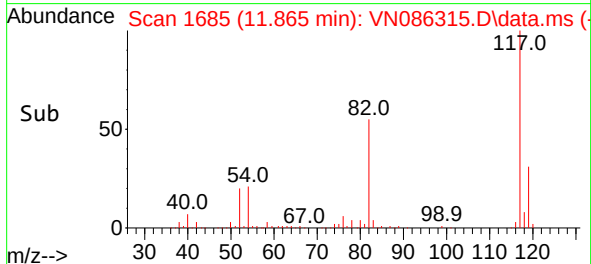
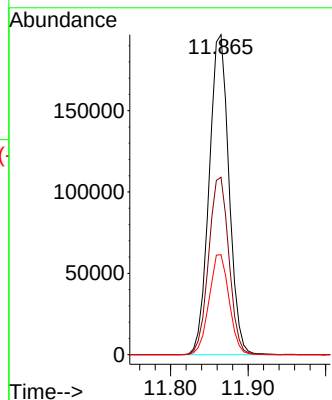
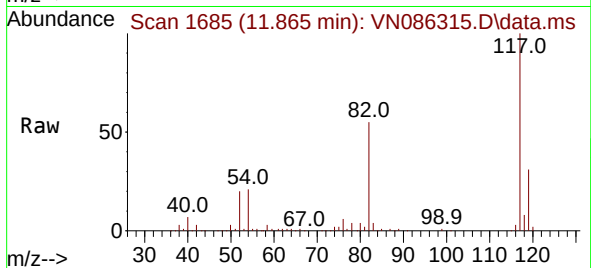




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086315.D
Acq: 17 Apr 2025 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBL01

Tgt Ion:117 Resp: 350121
Ion Ratio Lower Upper
117 100
82 55.4 44.7 67.1
119 31.3 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086315.D
Acq: 17 Apr 2025 12:19

Tgt Ion:152 Resp: 153883
Ion Ratio Lower Upper
152 100
115 61.2 31.9 95.9
150 157.4 0.0 352.0

