

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
 Data File : VN085868.D
 Acq On : 26 Feb 2025 13:55
 Operator : JC\MD
 Sample : PB166862TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166862TB

Quant Time: Feb 26 22:58:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	290360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	538127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	476782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	199407	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	198485	52.727	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.460%
35) Dibromofluoromethane	8.165	113	176110	50.014	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	10.565	98	601460	46.947	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.900%
62) 4-Bromofluorobenzene	12.847	95	203448	48.198	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.400%

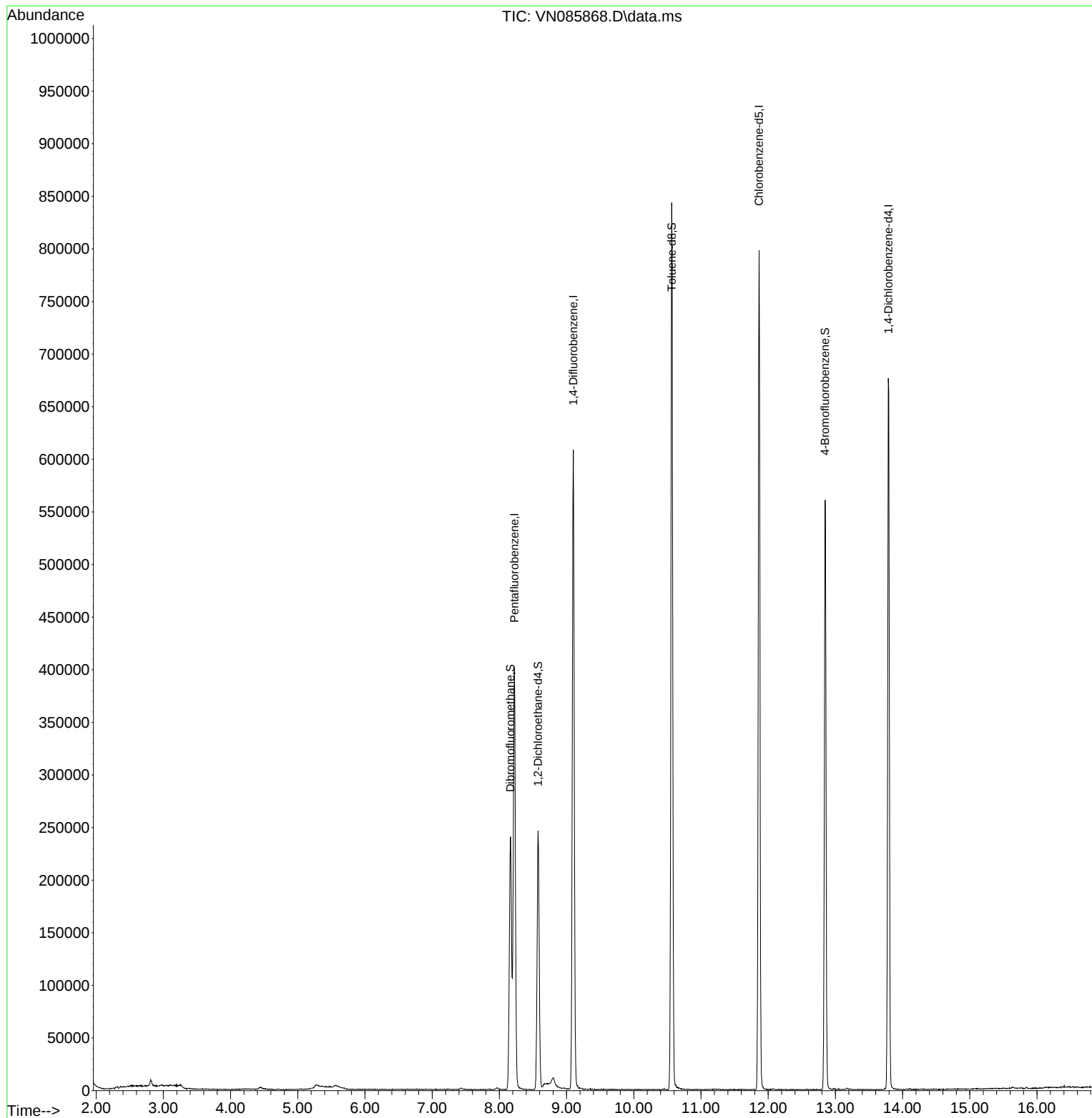
Target Compounds	Qvalue

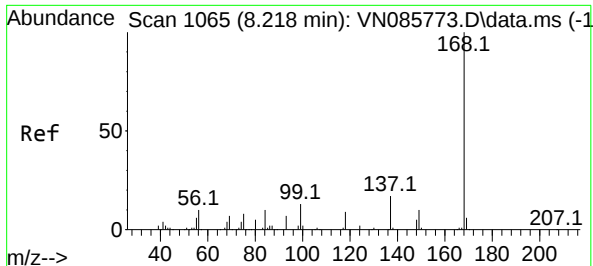
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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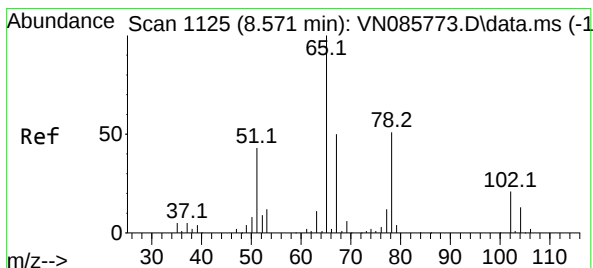
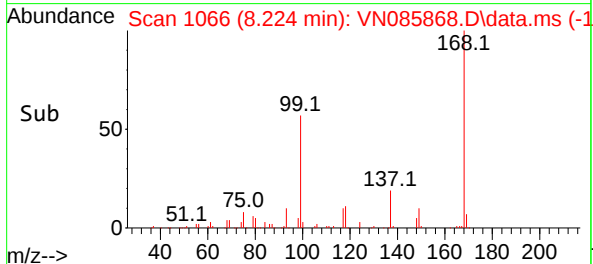
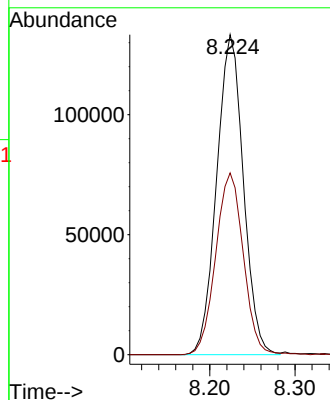
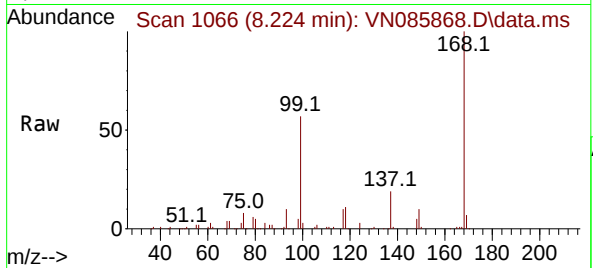




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

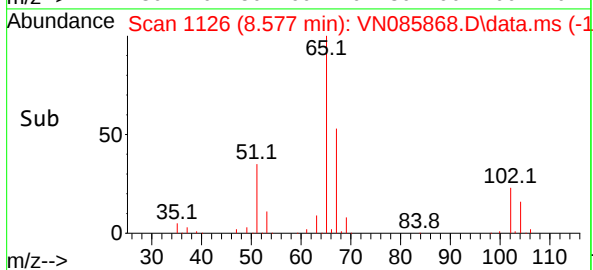
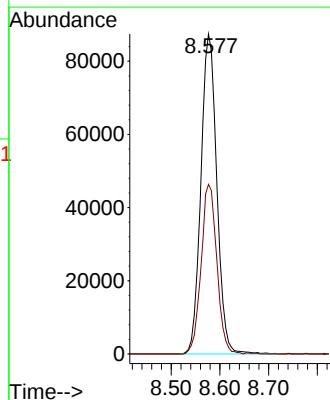
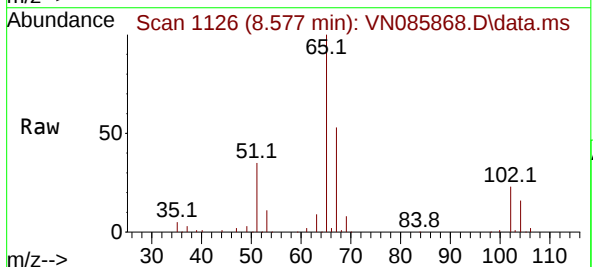
Instrument :
MSVOA_N
ClientSampleId :
PB166862TB

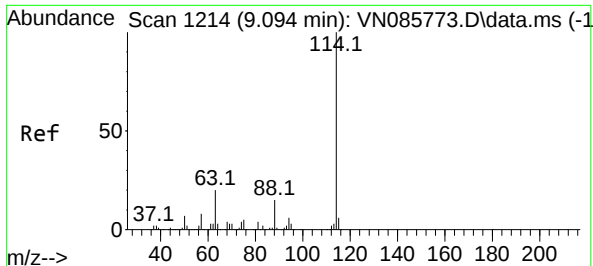
Tgt Ion:168 Resp: 290360
Ion Ratio Lower Upper
168 100
99 56.8 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 52.727 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 65 Resp: 198485
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB166862TB

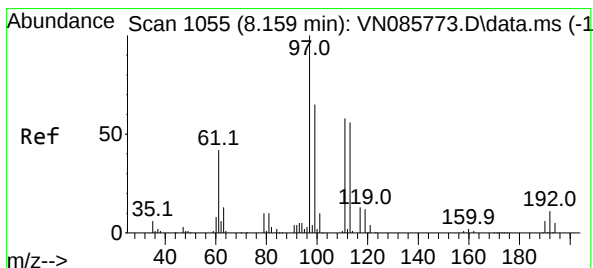
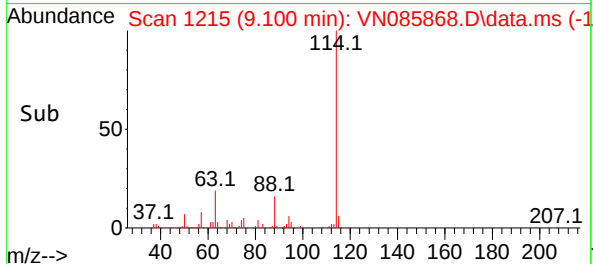
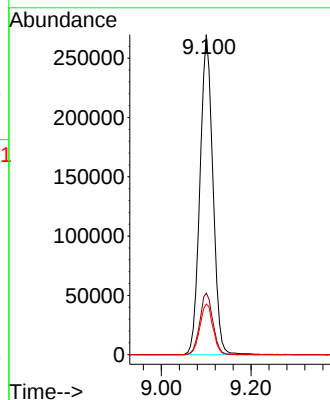
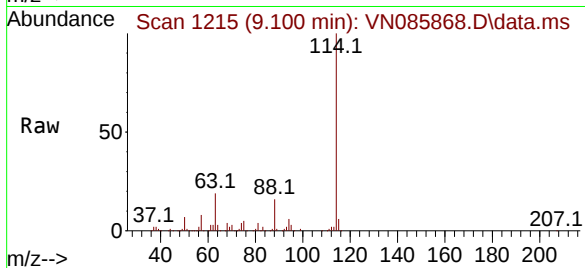
Tgt Ion:114 Resp: 538127

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 15.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.014 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

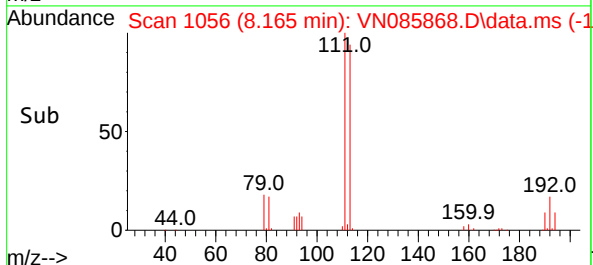
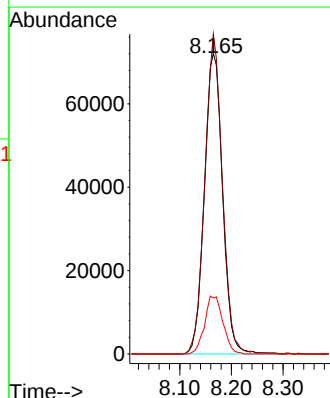
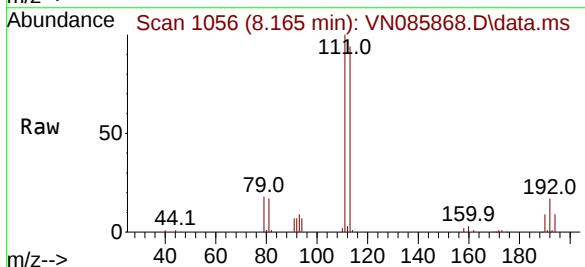
Tgt Ion:113 Resp: 176110

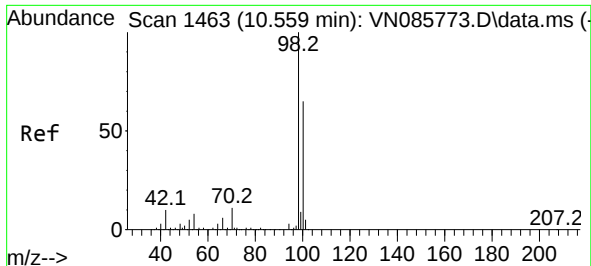
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 19.3 14.7 22.1

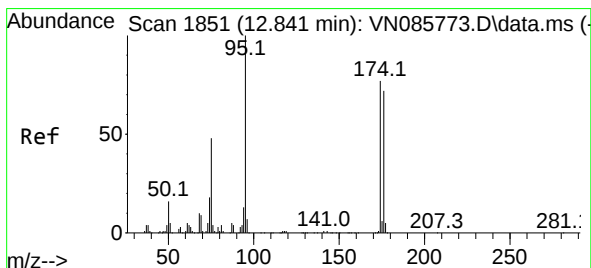
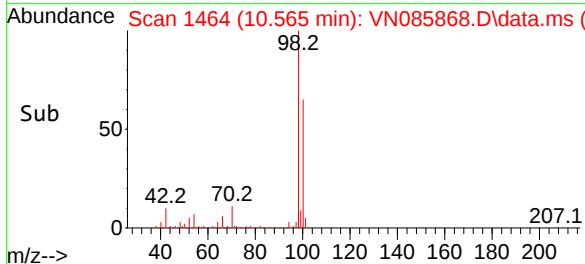
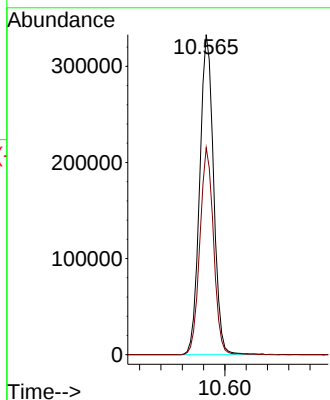
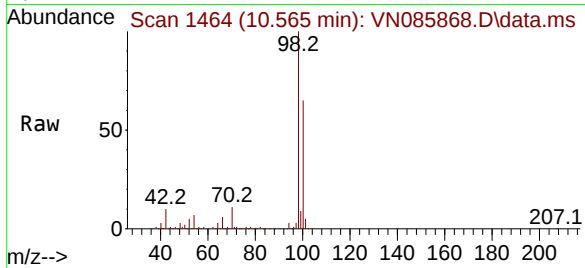




#50
Toluene-d8
Concen: 46.947 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

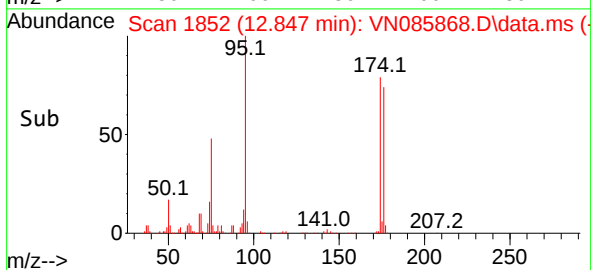
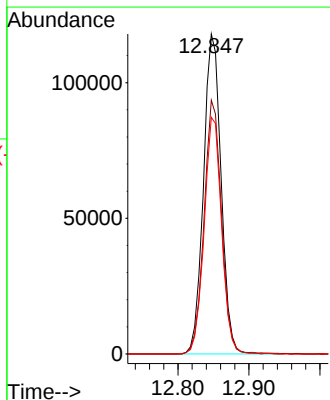
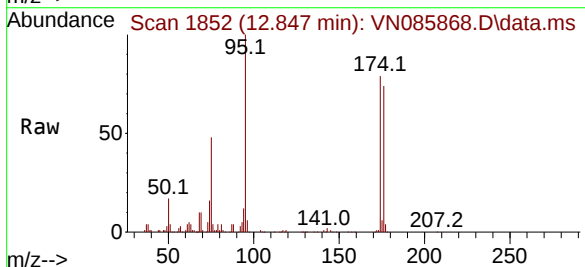
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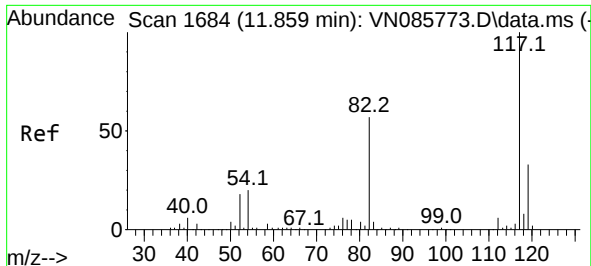
Tgt Ion: 98 Resp: 601460
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.198 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 95 Resp: 203448
Ion Ratio Lower Upper
95 100
174 78.7 0.0 152.4
176 73.3 0.0 146.6

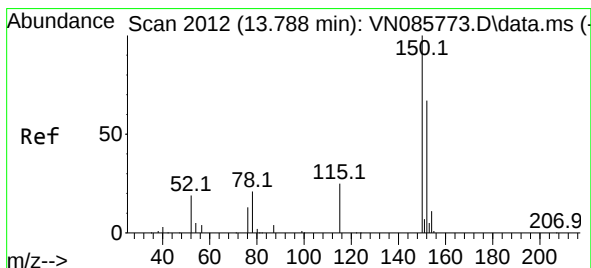
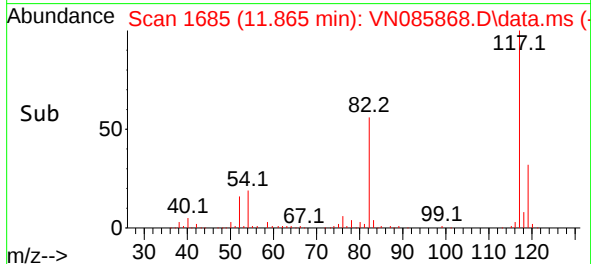
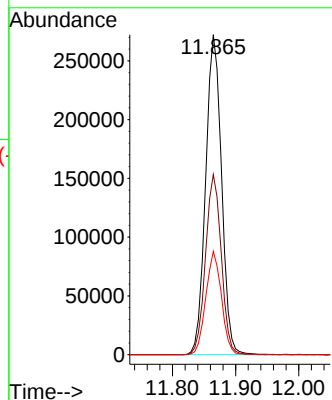
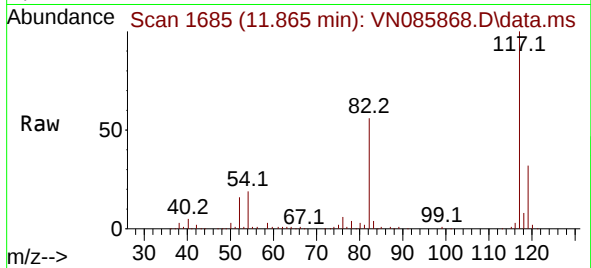




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Instrument :
MSVOA_N
ClientSampleId :
PB166862TB

Tgt Ion:117 Resp: 476782
Ion Ratio Lower Upper
117 100
82 56.3 45.7 68.5
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion:152 Resp: 199407
Ion Ratio Lower Upper
152 100
115 59.8 30.4 91.3
150 155.5 0.0 345.4

