

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087019.D
 Acq On : 16 Jun 2025 10:43
 Operator : JC\MD
 Sample : VN0616WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBL01

Quant Time: Jun 17 07:18:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	283331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	556820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	493060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	235789	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	191298	50.428	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.860%
35) Dibromofluoromethane	8.177	113	166223	50.373	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.740%
50) Toluene-d8	10.565	98	680742	52.111	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.220%
62) 4-Bromofluorobenzene	12.847	95	238898	49.223	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.440%

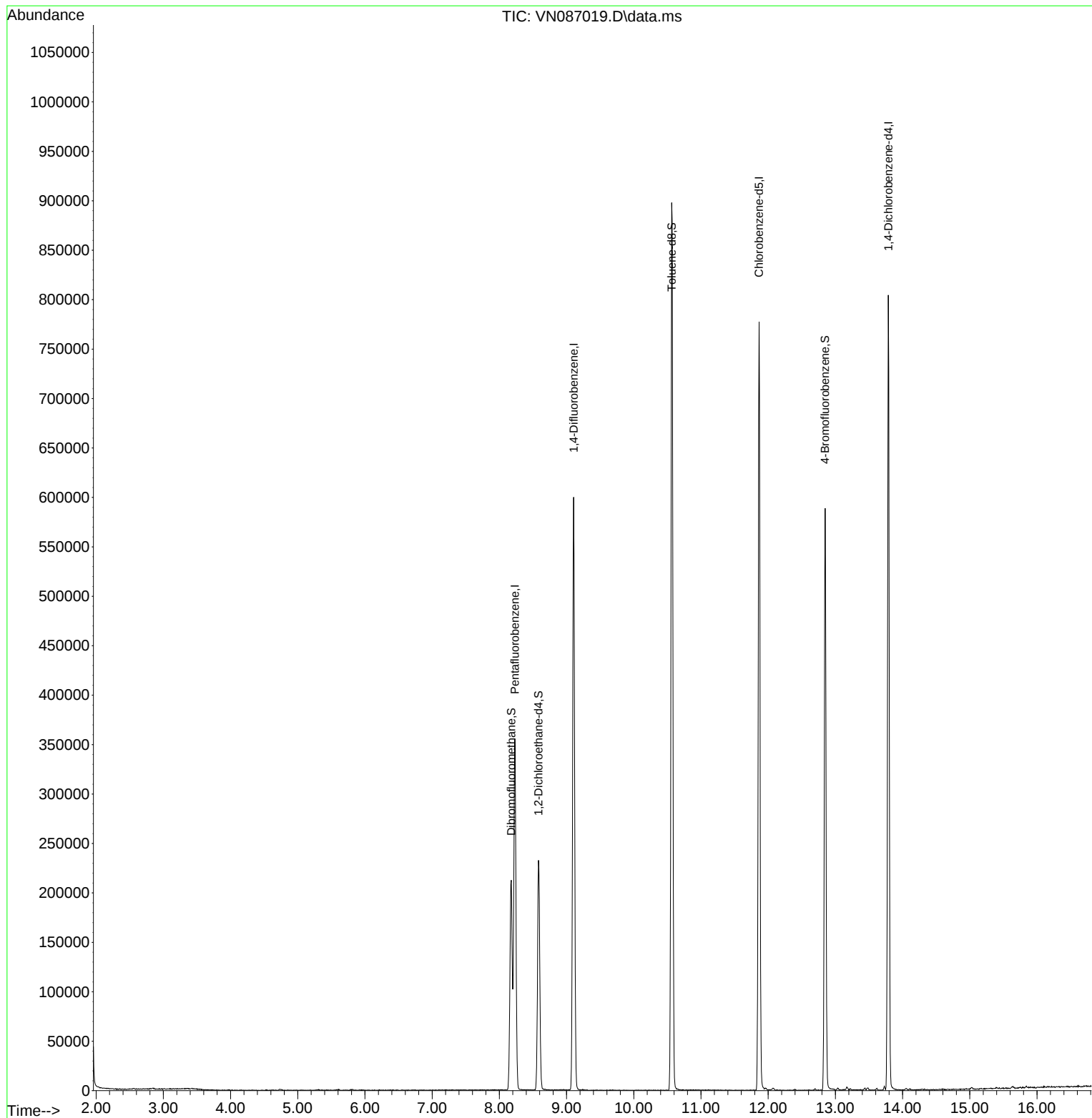
Target Compounds	Qvalue

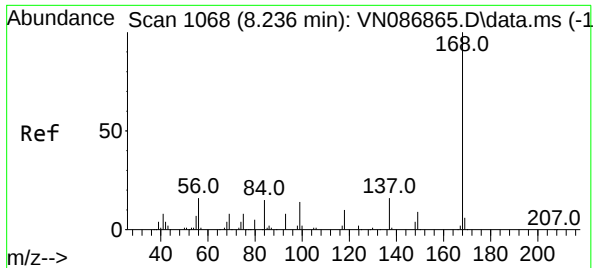
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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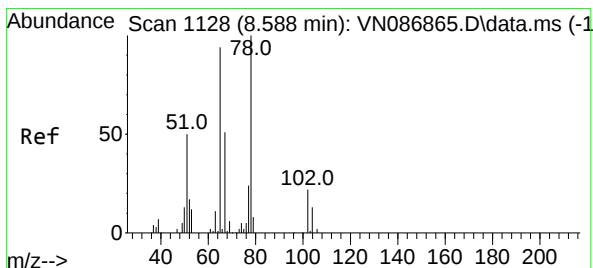
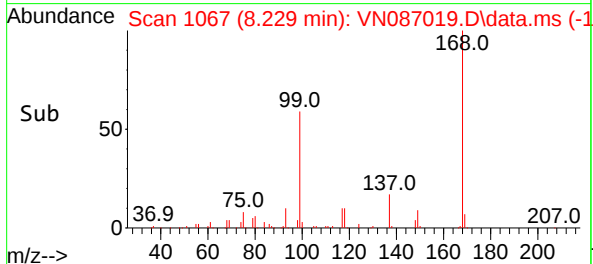
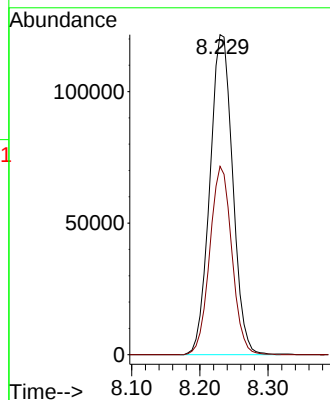
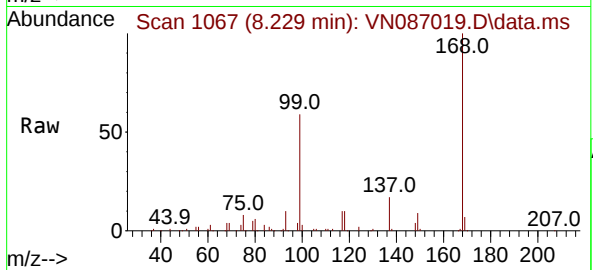




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.007 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

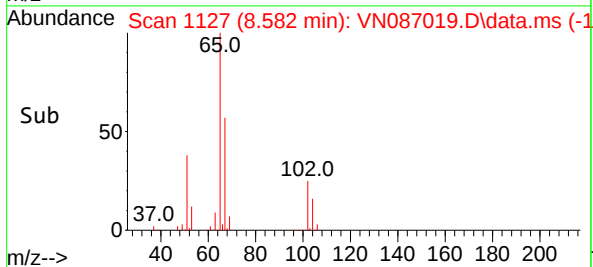
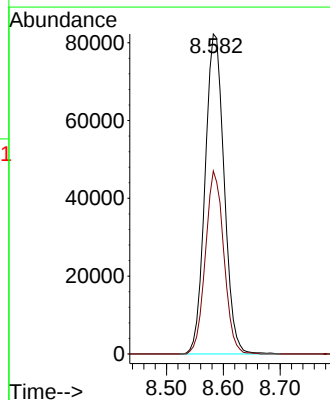
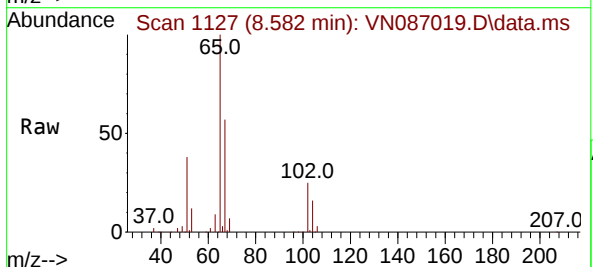
Instrument :
MSVOA_N
ClientSampleId :
VN0616WBL01

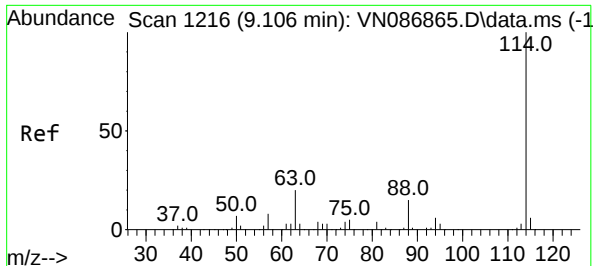
Tgt Ion:168 Resp: 283331
Ion Ratio Lower Upper
168 100
99 58.9 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 50.428 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Tgt Ion: 65 Resp: 191298
Ion Ratio Lower Upper
65 100
67 55.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087019.D

Acq: 16 Jun 2025 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBL01

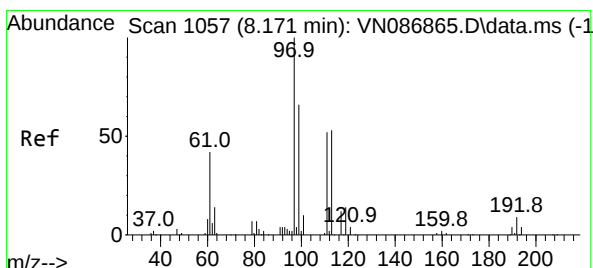
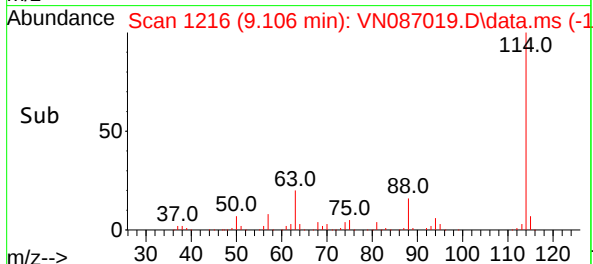
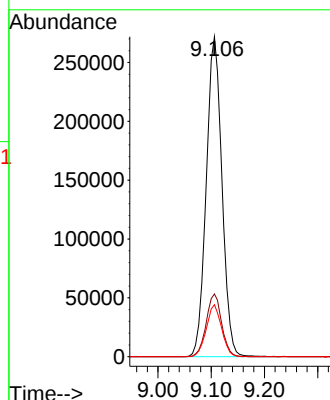
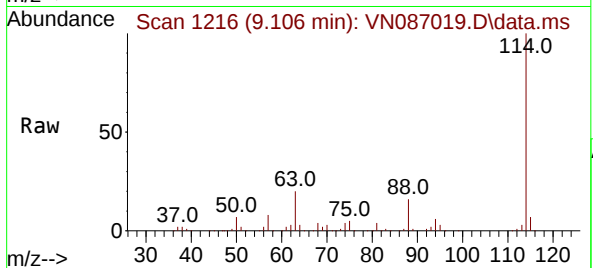
Tgt Ion:114 Resp: 556820

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.373 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087019.D

Acq: 16 Jun 2025 10:43

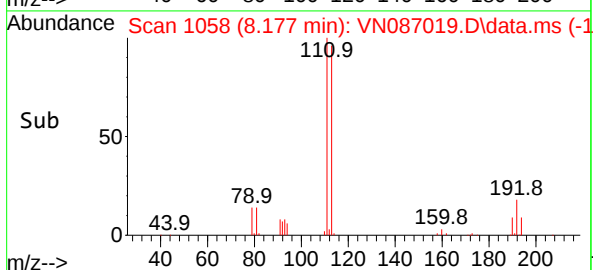
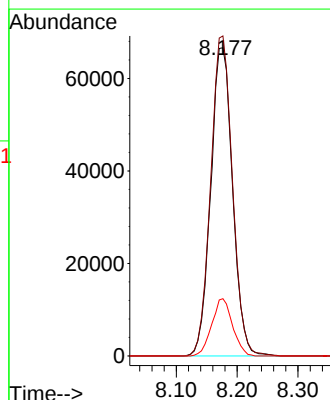
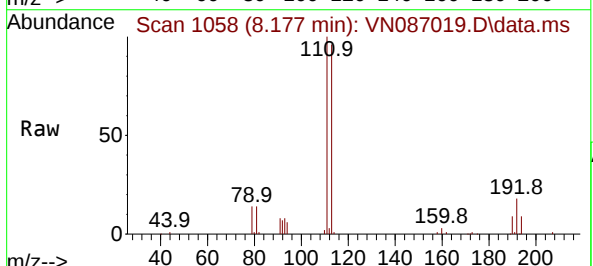
Tgt Ion:113 Resp: 166223

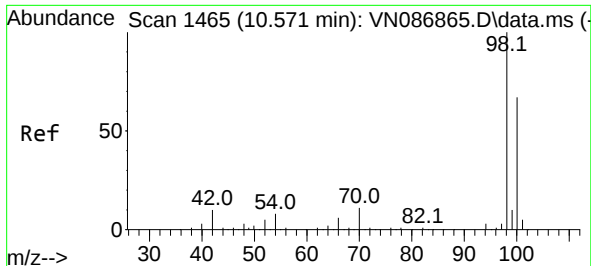
Ion Ratio Lower Upper

113 100

111 103.3 84.2 126.2

192 17.7 14.2 21.4

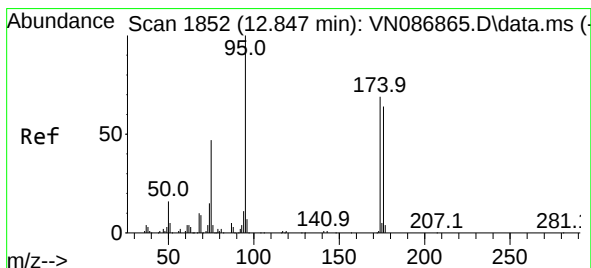
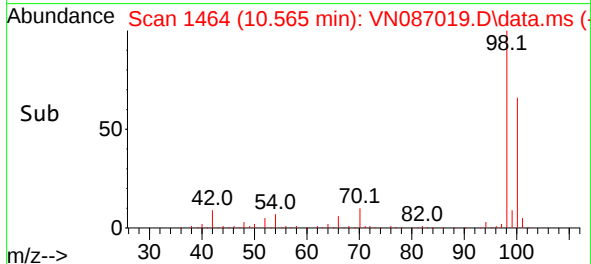
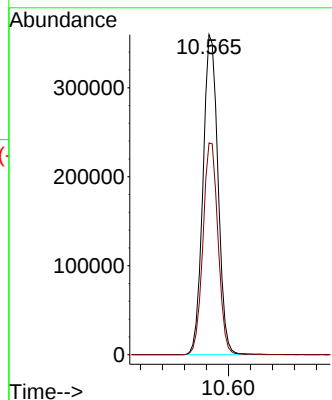
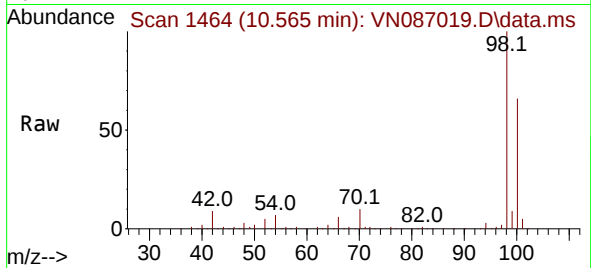




#50
Toluene-d8
Concen: 52.111 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

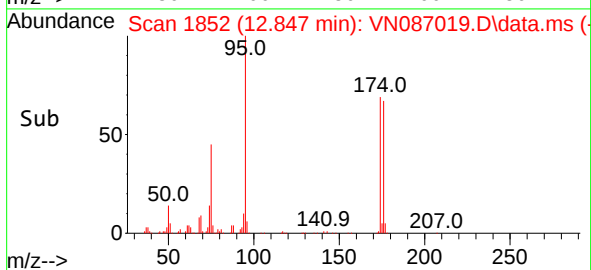
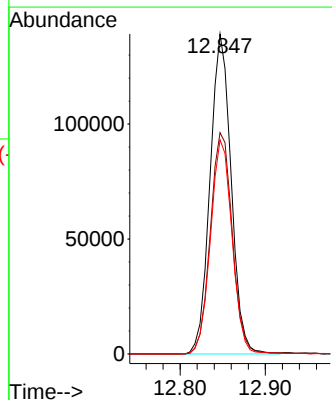
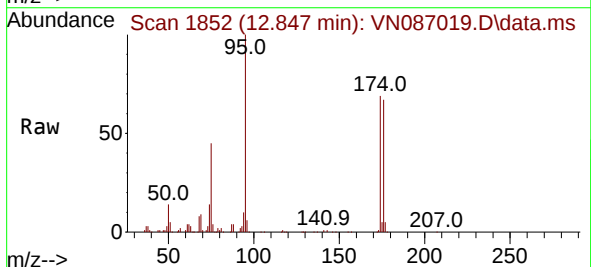
Instrument :
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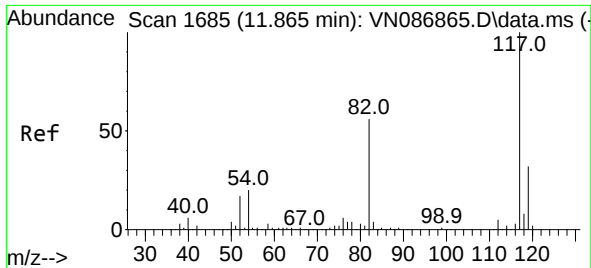
Tgt Ion: 98 Resp: 680742
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.223 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Tgt Ion: 95 Resp: 238898
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.8
176 68.5 0.0 132.6

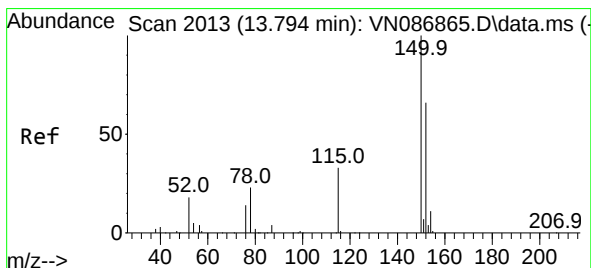
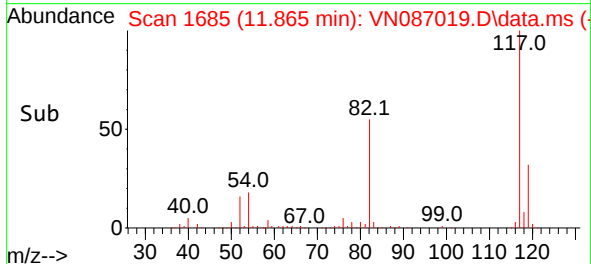
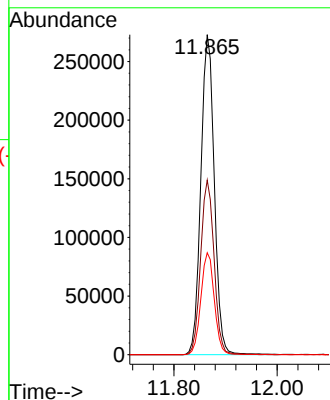
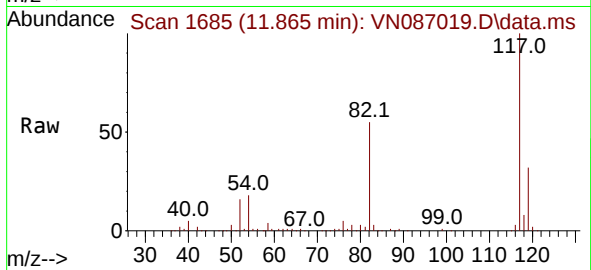




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBL01

Tgt Ion:117 Resp: 493060
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087019.D
Acq: 16 Jun 2025 10:43

Tgt Ion:152 Resp: 235789
Ion Ratio Lower Upper
152 100
115 59.5 30.1 90.5
150 157.2 0.0 345.0

