

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086941.D
 Acq On : 11 Jun 2025 12:06
 Operator : JC\MD
 Sample : VN0611MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611MBL01

Quant Time: Jun 12 01:29:47 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	220349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	409645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	168457	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	139402	47.251	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.500%
35) Dibromofluoromethane	8.177	113	119537	49.240	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.480%
50) Toluene-d8	10.570	98	495015	51.508	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.020%
62) 4-Bromofluorobenzene	12.847	95	176441	49.416	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.840%

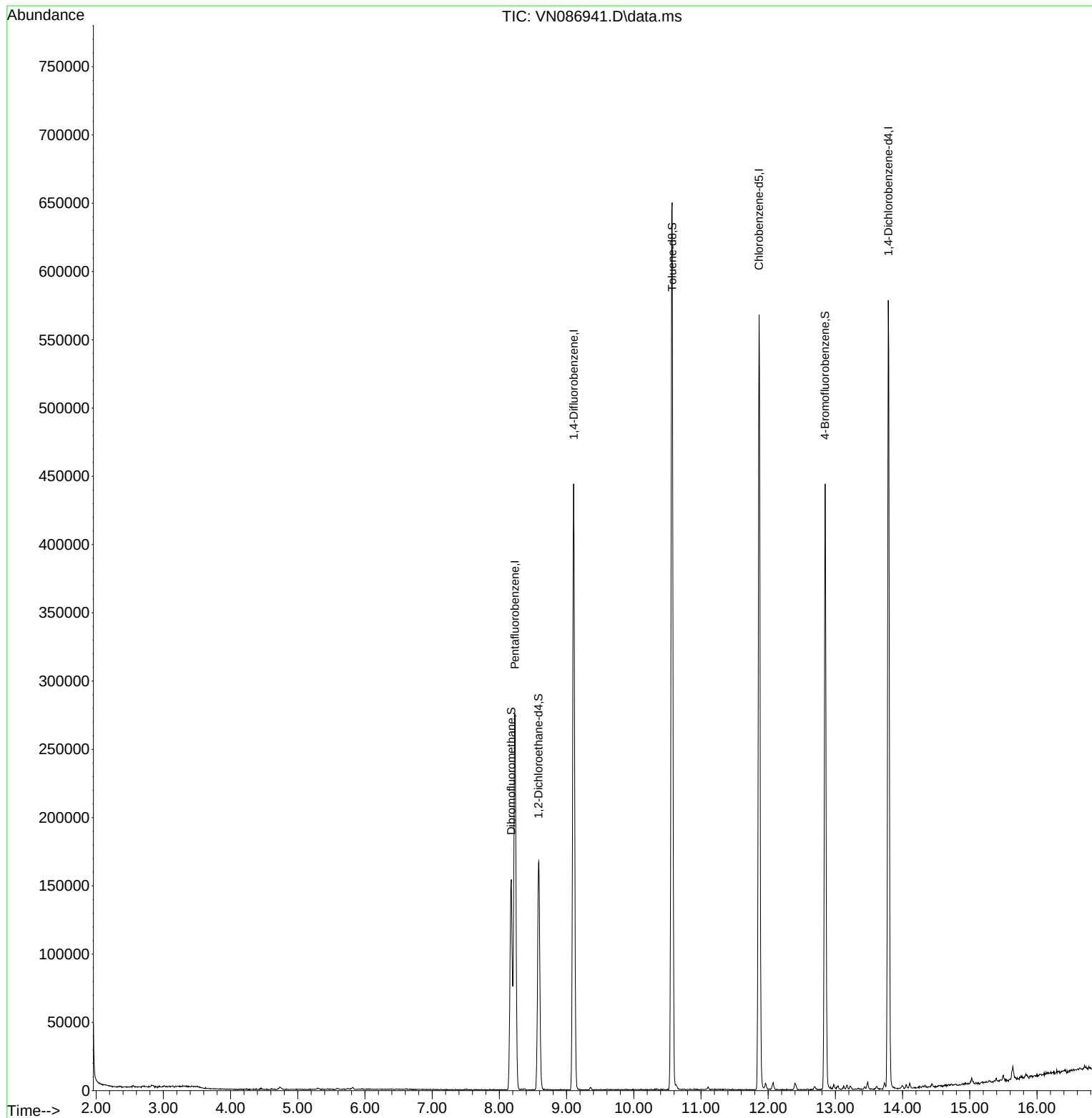
Target Compounds	Qvalue

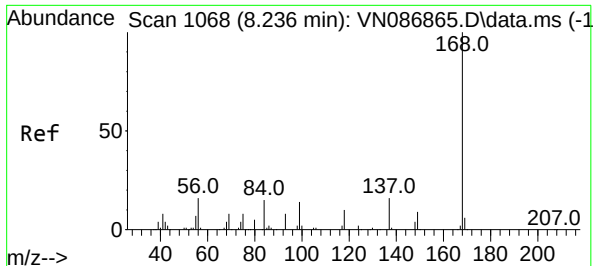
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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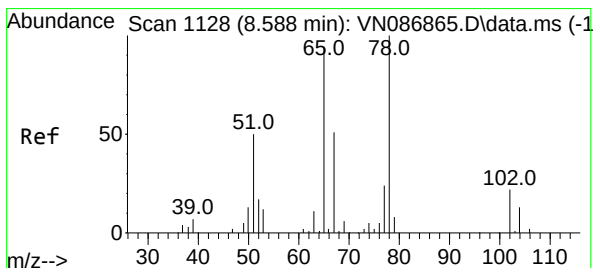
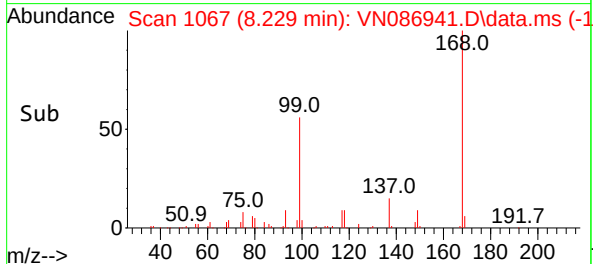
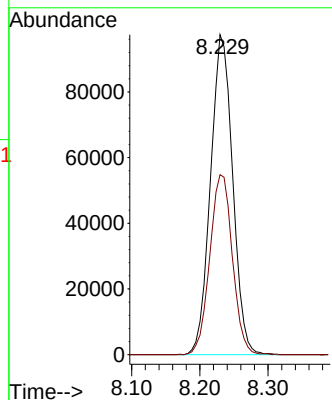
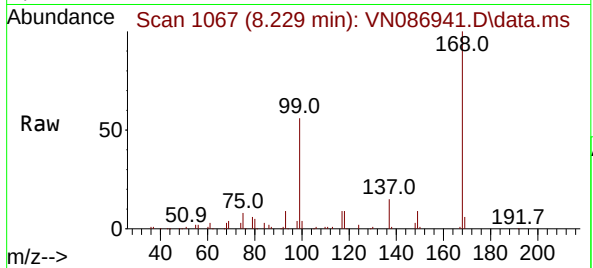




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1106
Delta R.T. -0.007 min
Lab File: VN086941.D
Acq: 11 Jun 2025 12:06

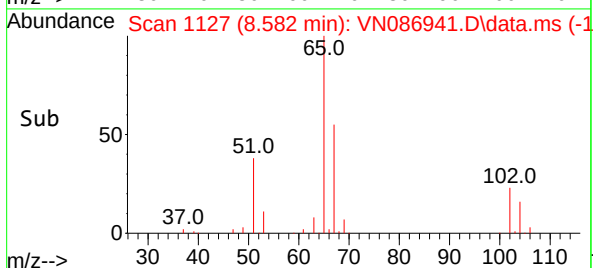
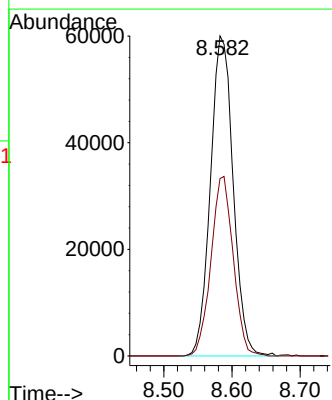
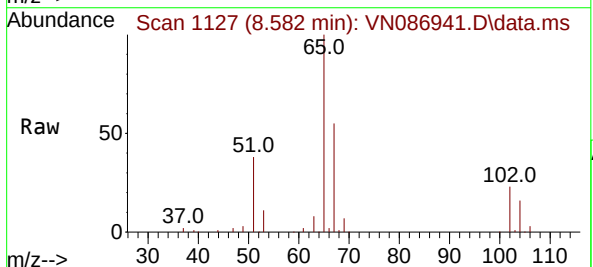
Instrument :
MSVOA_N
ClientSampleId :
VN0611MBL01

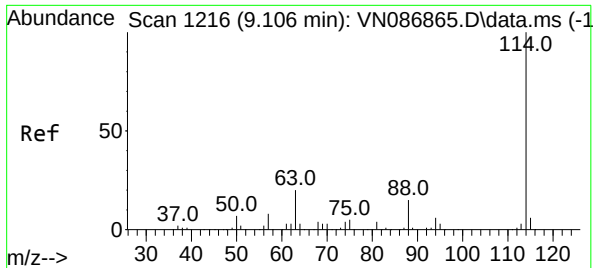
Tgt Ion:168 Resp: 220349
Ion Ratio Lower Upper
168 100
99 56.2 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 47.251 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086941.D
Acq: 11 Jun 2025 12:06

Tgt Ion: 65 Resp: 139402
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.6

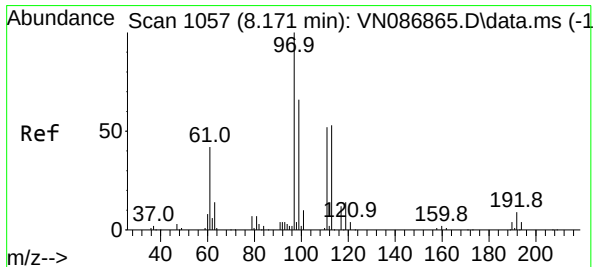
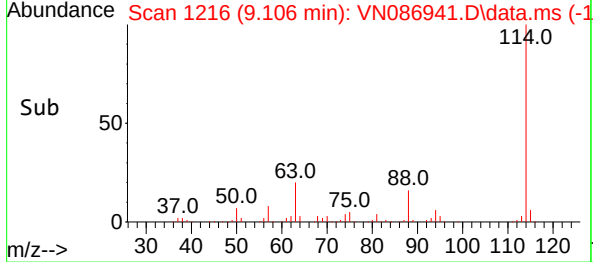
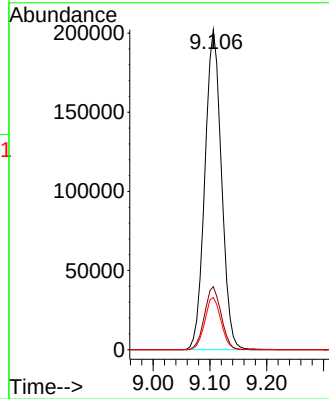
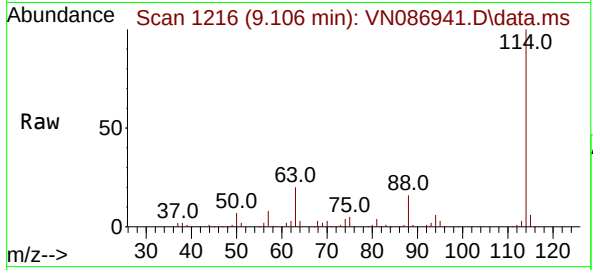




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086941.D
Acq: 11 Jun 2025 12:06

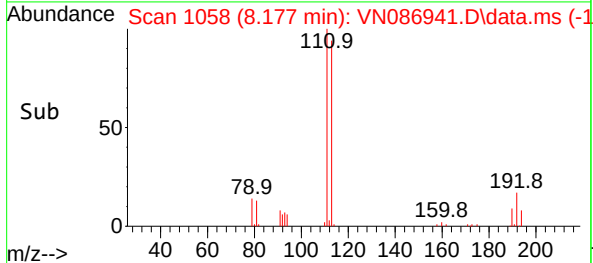
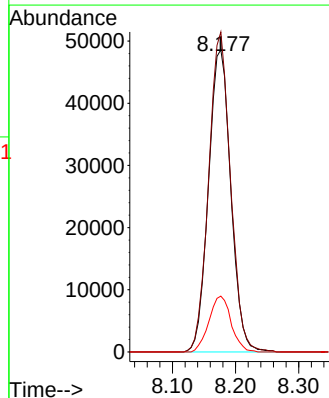
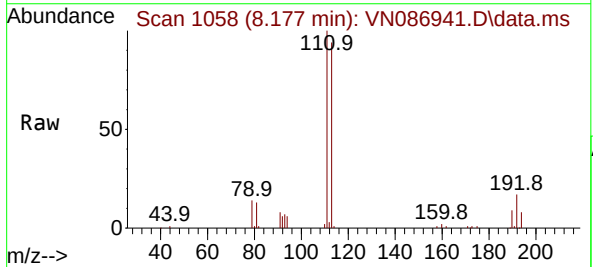
Instrument :
MSVOA_N
ClientSampleId :
VN0611MBL01

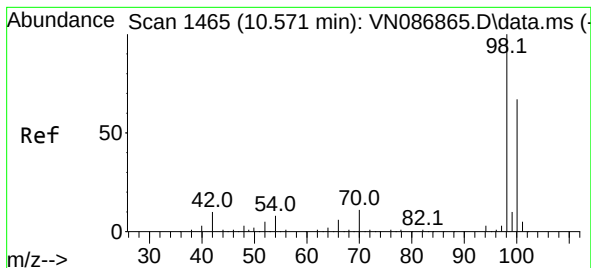
Tgt Ion:114 Resp: 409645
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.6
88 16.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 49.240 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086941.D
Acq: 11 Jun 2025 12:06

Tgt Ion:113 Resp: 119537
Ion Ratio Lower Upper
113 100
111 103.4 84.2 126.2
192 18.3 14.2 21.4

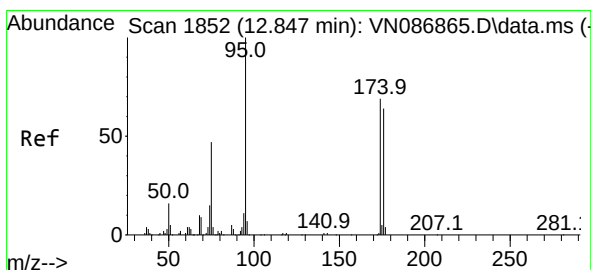
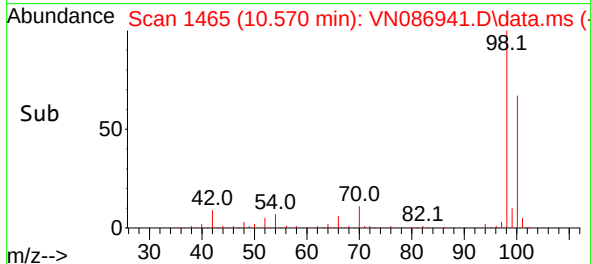
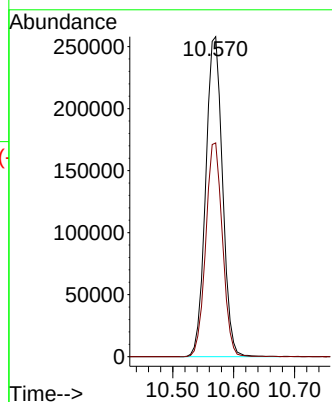
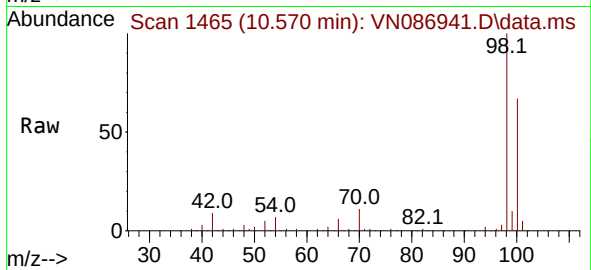




#50
Toluene-d8
Concen: 51.508 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086941.D
Acq: 11 Jun 2025 12:06

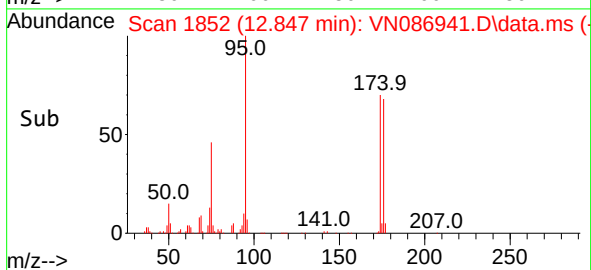
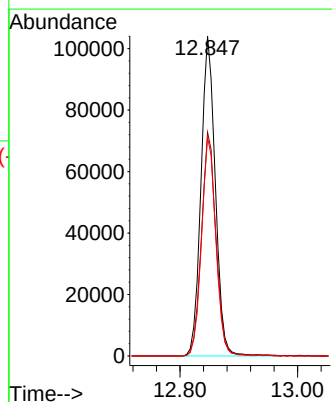
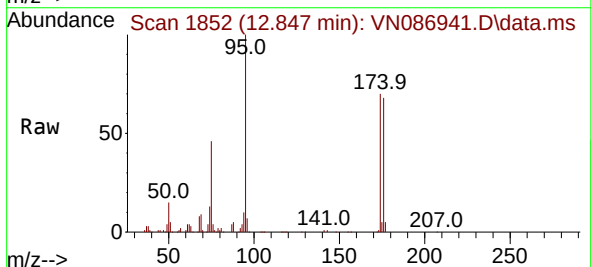
Instrument :
MSVOA_N
ClientSampleId :
VN0611MBL01

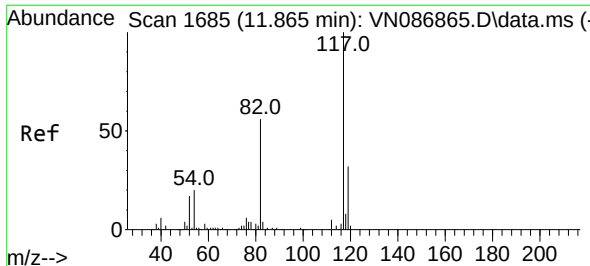
Tgt Ion: 98 Resp: 495015
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.416 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086941.D
Acq: 11 Jun 2025 12:06

Tgt Ion: 95 Resp: 176441
Ion Ratio Lower Upper
95 100
174 70.9 0.0 141.8
176 67.9 0.0 132.6

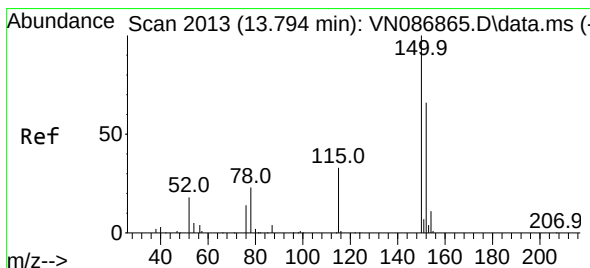
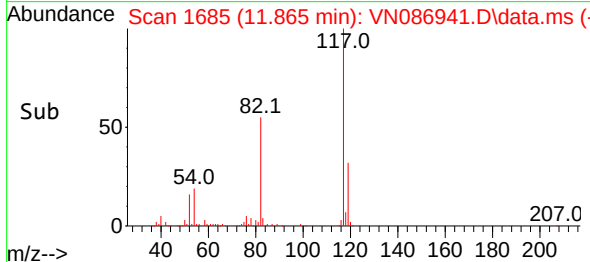
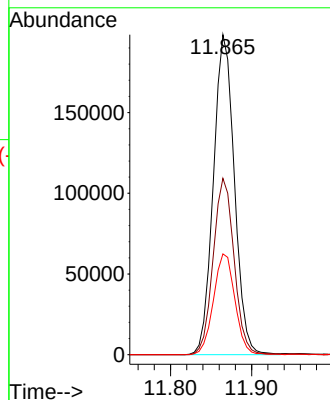
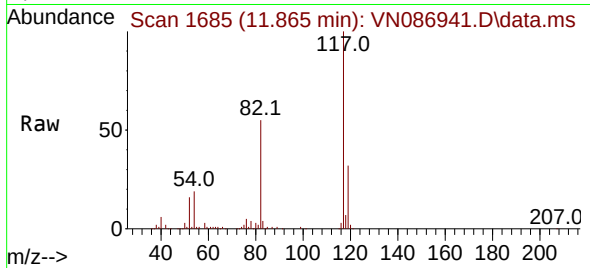




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086941.D
Acq: 11 Jun 2025 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN0611MBL01

Tgt Ion:117 Resp: 356779
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 31.5 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: VN086941.D
Acq: 11 Jun 2025 12:06

Tgt Ion:152 Resp: 168457
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.5
150 160.6 0.0 345.0

