

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087805.D
 Acq On : 11 Sep 2025 17:51
 Operator : JC\MD
 Sample : Q3083-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4I

Quant Time: Sep 12 02:57:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

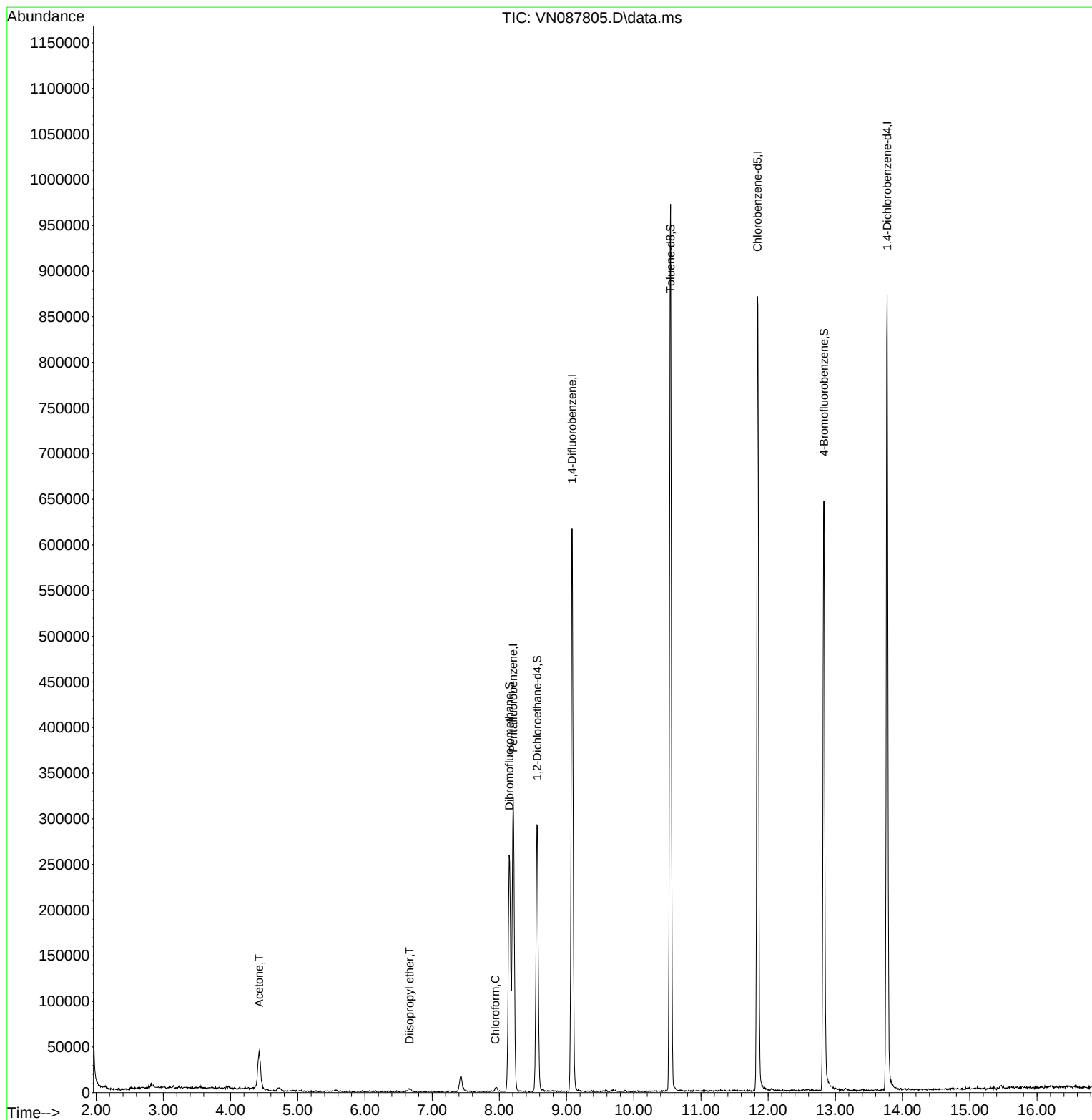
Internal Standards						
1) Pentafluorobenzene	8.206	168	220322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	503440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	493455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	228190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	242746	53.775	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.540%	
35) Dibromofluoromethane	8.147	113	189798	52.217	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.440%	
50) Toluene-d8	10.547	98	653379	48.027	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.060%	
62) 4-Bromofluorobenzene	12.829	95	228728	47.276	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.560%	
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	80974	32.952	ug/l	99
22) Diisopropyl ether	6.665	45	4214	0.339	ug/l #	85
30) Chloroform	7.941	83	5171	0.744	ug/l #	68

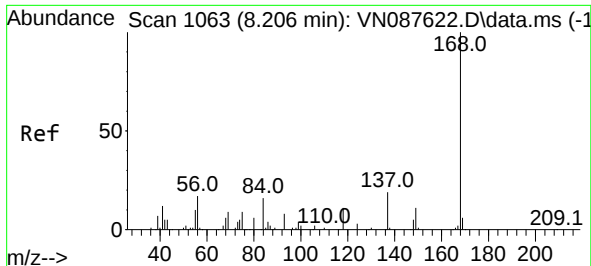
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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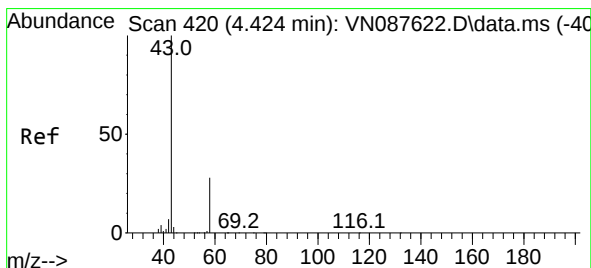
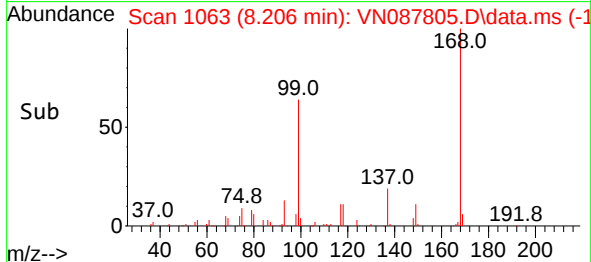
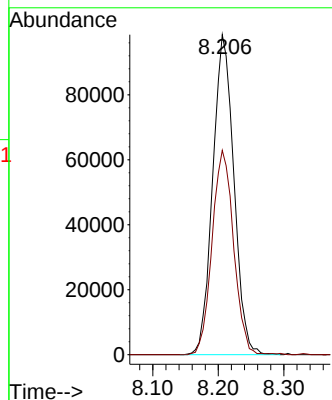
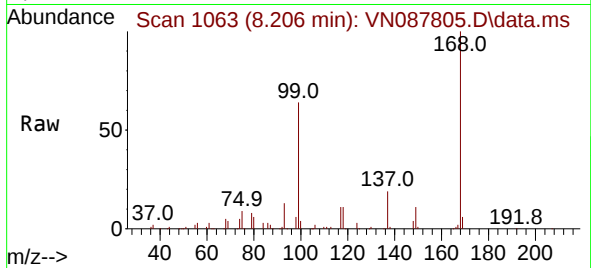




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087805.D
Acq: 11 Sep 2025 17:51

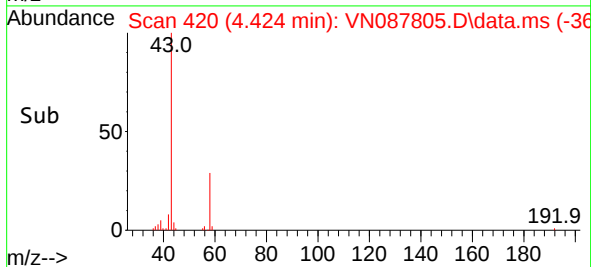
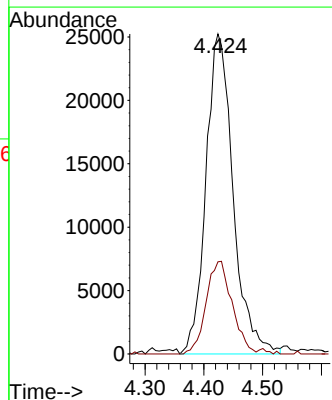
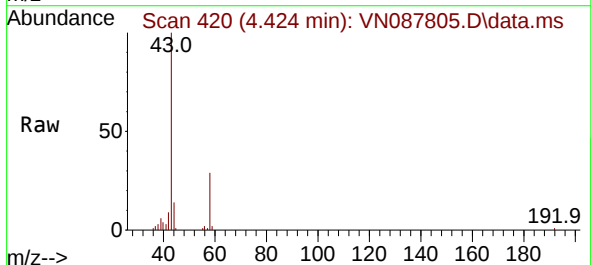
Instrument :
MSVOA_N
ClientSampleId :
MW4I

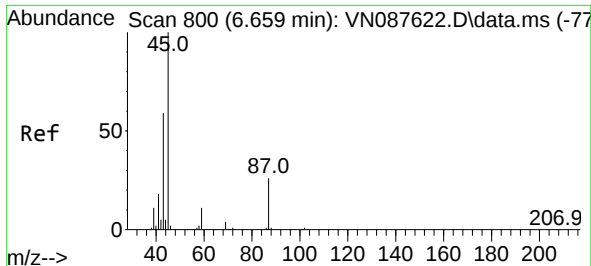
Tgt Ion:168 Resp: 220322
Ion Ratio Lower Upper
168 100
99 63.8 57.2 85.8



#16
Acetone
Concen: 32.952 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087805.D
Acq: 11 Sep 2025 17:51

Tgt Ion: 43 Resp: 80974
Ion Ratio Lower Upper
43 100
58 28.8 22.6 33.8

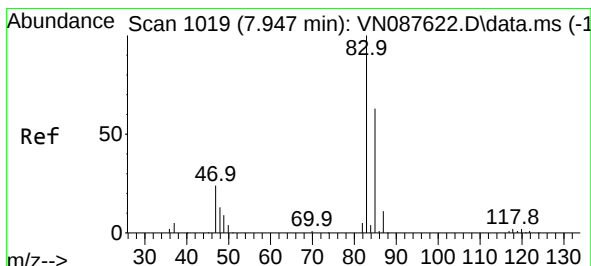
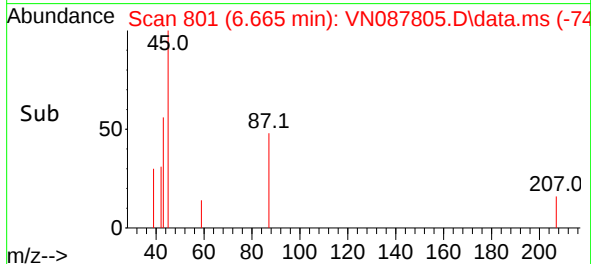
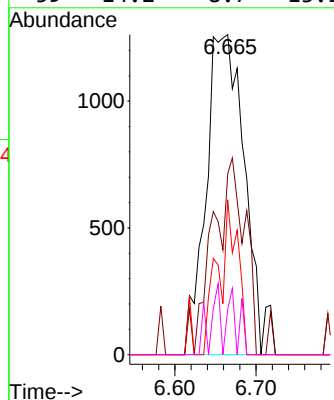
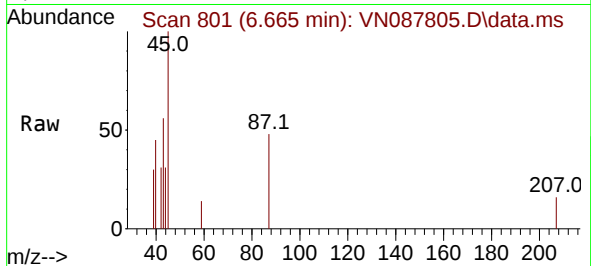




#22
Diisopropyl ether
Concen: 0.339 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.006 min
Lab File: VN087805.D
Acq: 11 Sep 2025 17:51

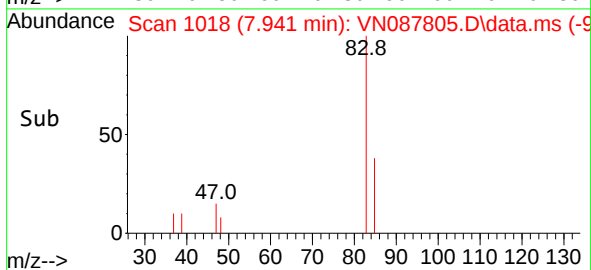
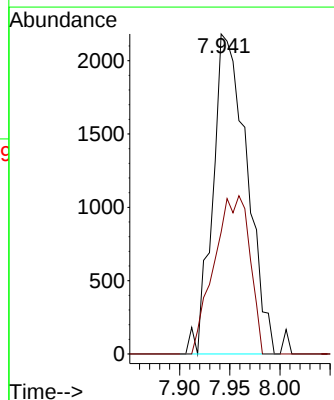
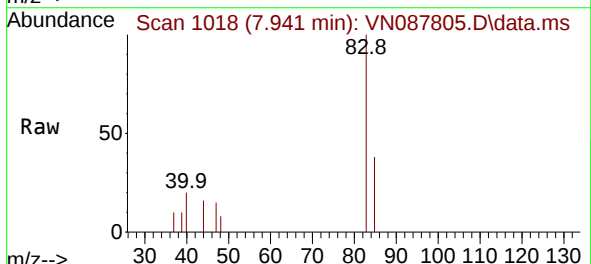
Instrument :
MSVOA_N
ClientSampleId :
MW4I

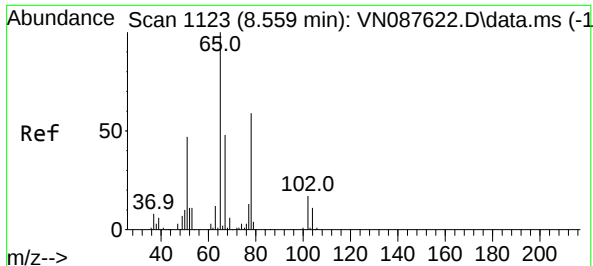
Tgt Ion:	45	Resp:	4214
Ion	Ratio	Lower	Upper
45	100		
43	56.5	47.7	71.5
87	48.4	21.4	32.0#
59	14.2	8.7	13.1#



#30
Chloroform
Concen: 0.744 ug/l
RT: 7.941 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VN087805.D
Acq: 11 Sep 2025 17:51

Tgt Ion:	83	Resp:	5171
Ion	Ratio	Lower	Upper
83	100		
85	38.1	50.7	76.1#





#33

1,2-Dichloroethane-d4

Concen: 53.775 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087805.D

Acq: 11 Sep 2025 17:51

Instrument :

MSVOA_N

ClientSampleId :

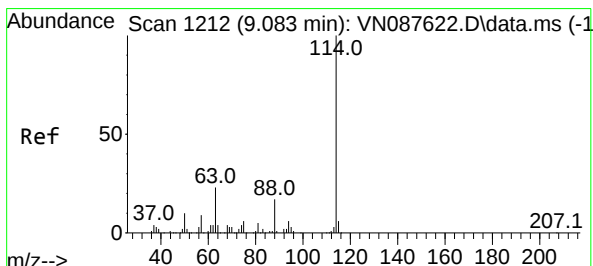
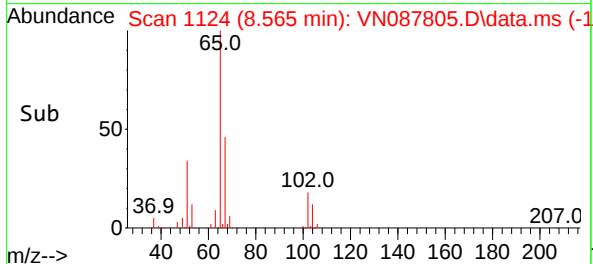
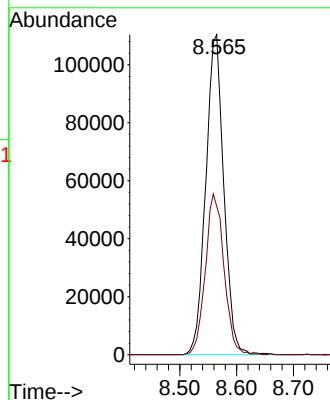
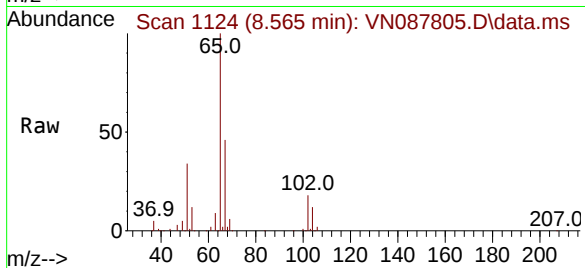
MW4I

Tgt Ion: 65 Resp: 242746

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087805.D

Acq: 11 Sep 2025 17:51

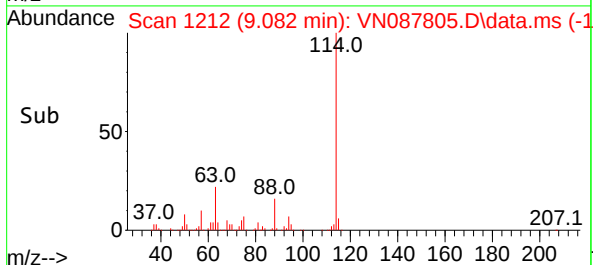
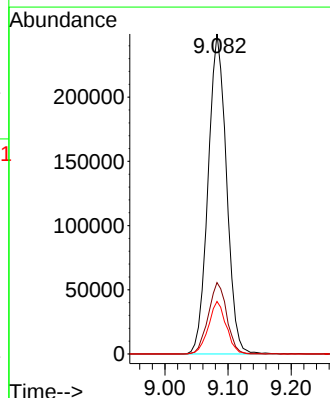
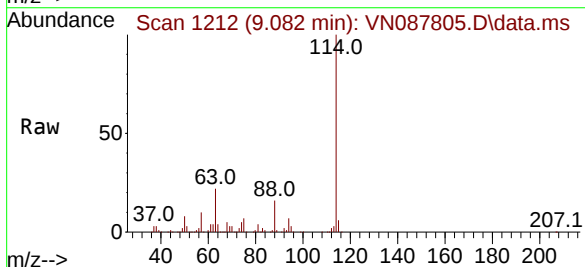
Tgt Ion: 114 Resp: 503440

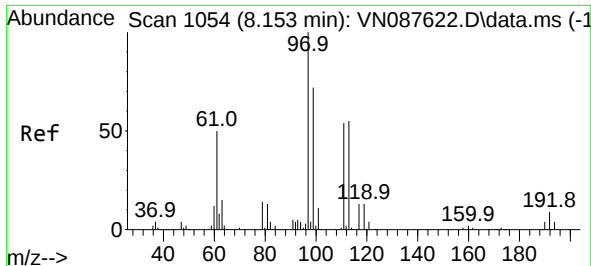
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

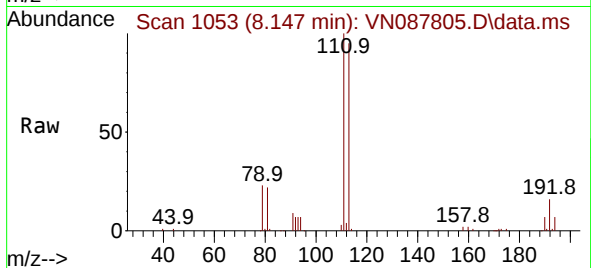
88 16.4 0.0 33.4



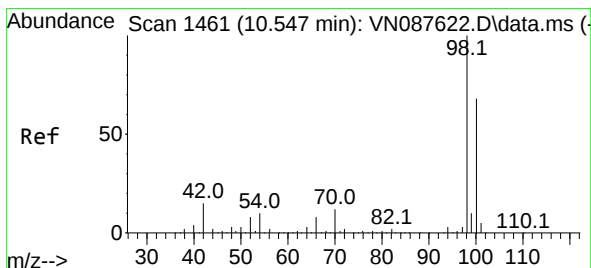
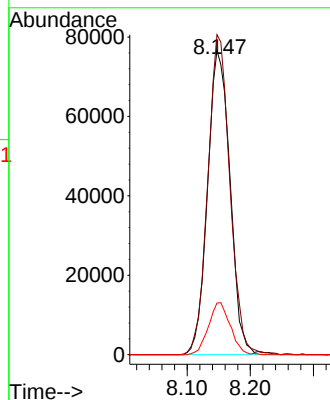
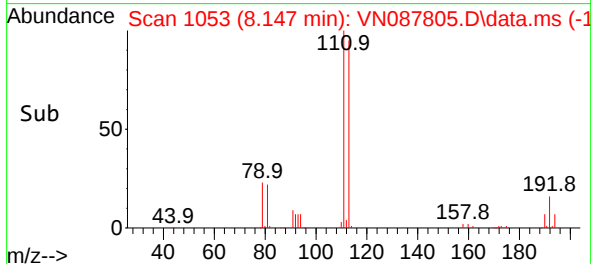


#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087805.D
Acq: 11 Sep 2025 17:51

Instrument :
MSVOA_N
ClientSampleId :
MW4I

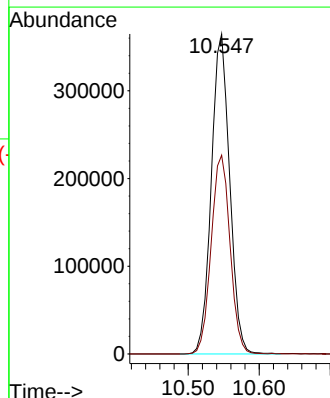
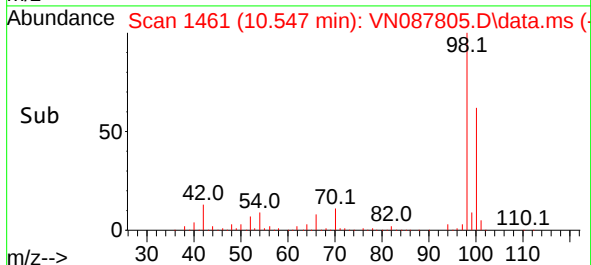
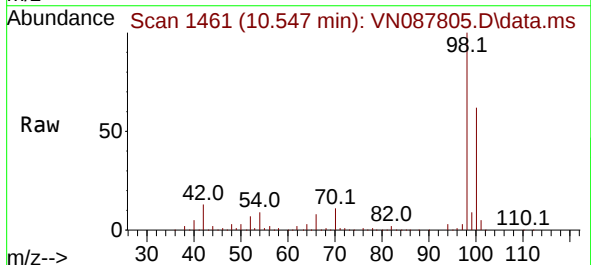


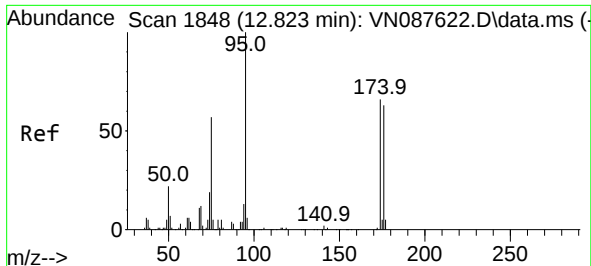
Tgt Ion:113 Resp: 189798
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 16.6 12.8 19.2



#50
Toluene-d8
Concen: 48.027 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087805.D
Acq: 11 Sep 2025 17:51

Tgt Ion: 98 Resp: 653379
Ion Ratio Lower Upper
98 100
100 63.9 52.8 79.2

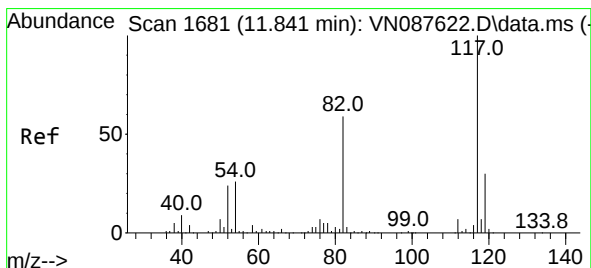
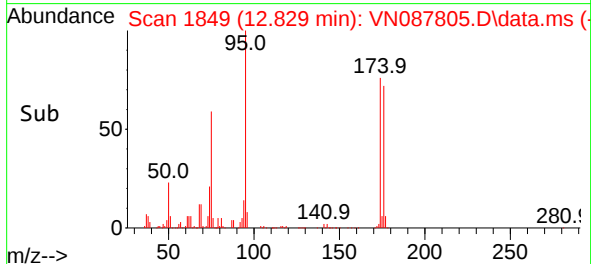
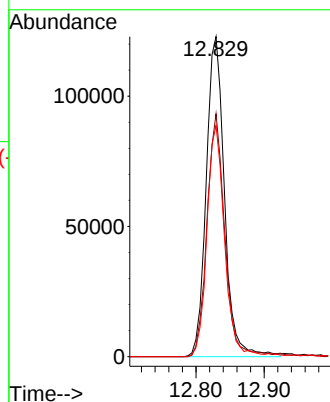
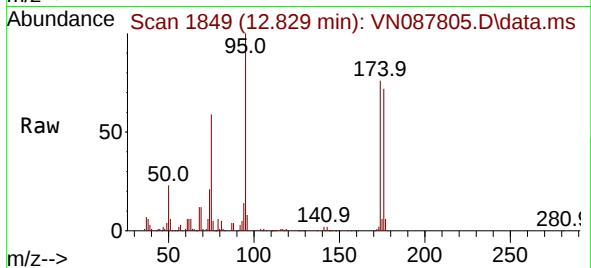




#62
4-Bromofluorobenzene
Concen: 47.276 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087805.D
Acq: 11 Sep 2025 17:51

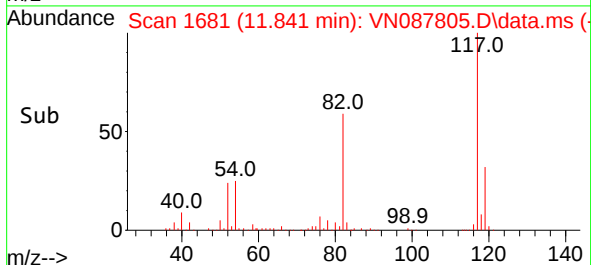
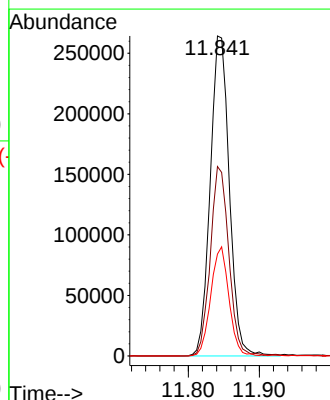
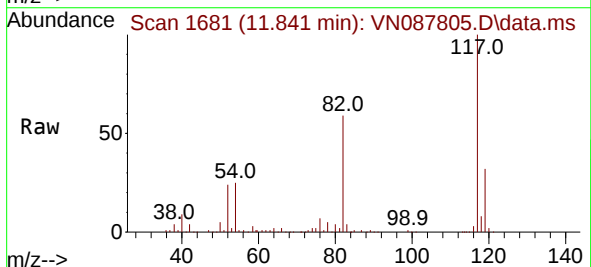
Instrument :
MSVOA_N
ClientSampleId :
MW4I

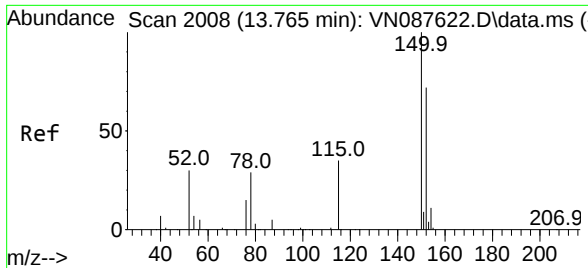
Tgt Ion: 95 Resp: 228728
Ion Ratio Lower Upper
95 100
174 74.0 0.0 138.4
176 69.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087805.D
Acq: 11 Sep 2025 17:51

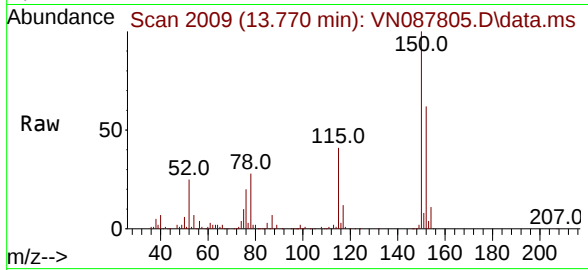
Tgt Ion: 117 Resp: 493455
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.9 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087805.D
 Acq: 11 Sep 2025 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4I



Tgt Ion:	152	Resp:	228190
Ion Ratio	Lower	Upper	
152	100		
115	63.8	32.3	96.8
150	162.4	0.0	351.0

