

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087861.D
 Acq On : 16 Sep 2025 19:19
 Operator : JC\MD
 Sample : Q3021-05 200X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 821-I

Quant Time: Sep 17 01:29:25 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	257495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	579892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	559964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	283351	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	250255	47.435	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.860%
35) Dibromofluoromethane	8.153	113	201206	48.057	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.120%
50) Toluene-d8	10.547	98	732504	46.744	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.480%
62) 4-Bromofluorobenzene	12.829	95	279549	50.162	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.320%

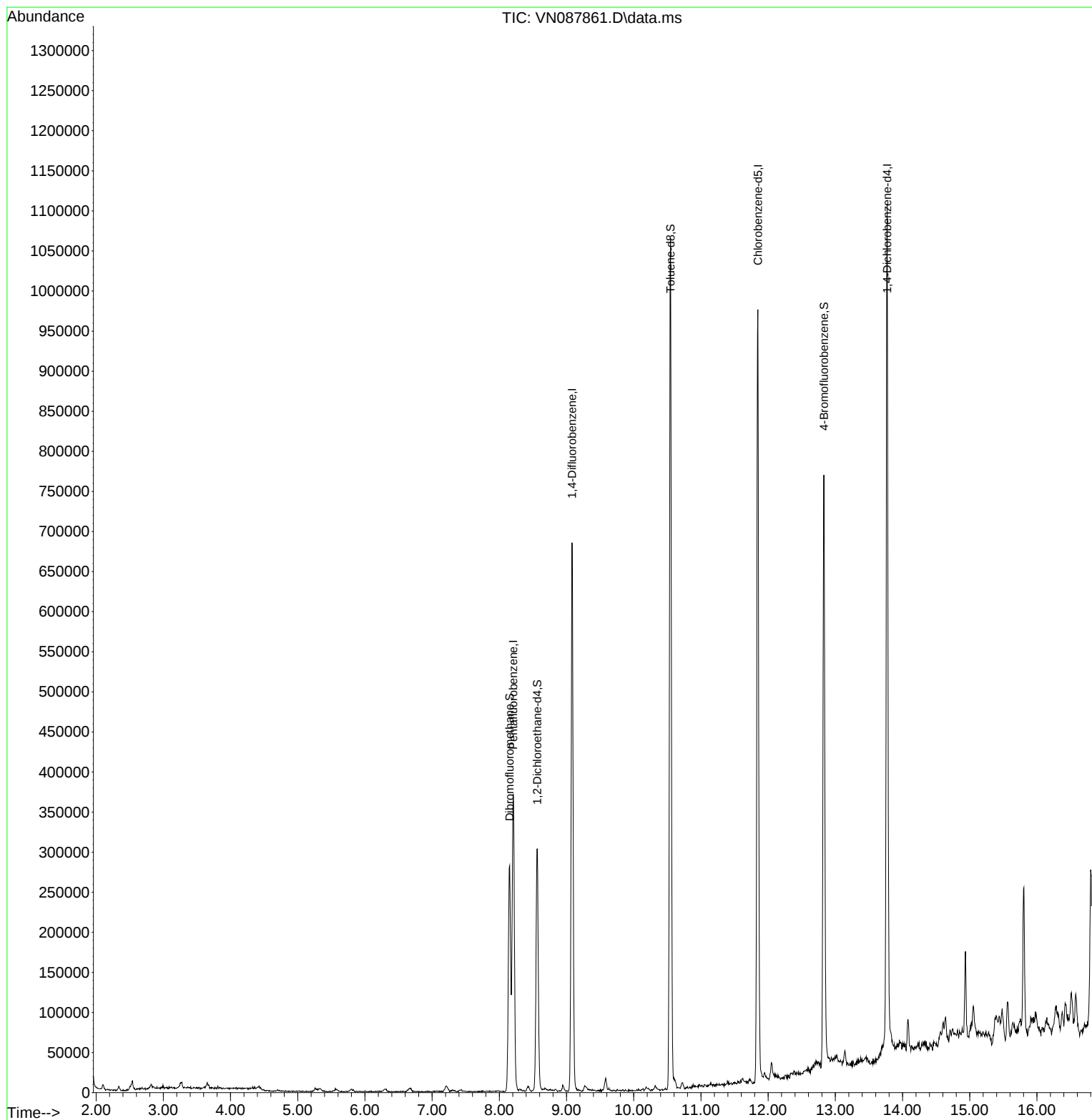
Target Compounds	Qvalue

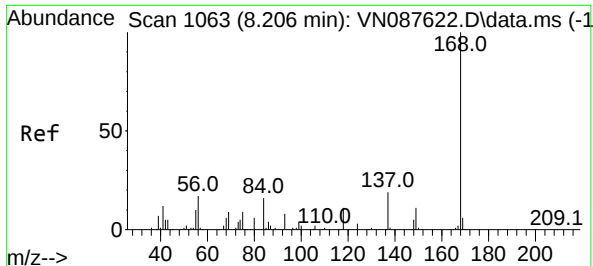
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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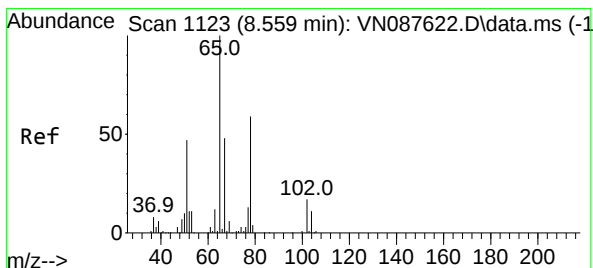
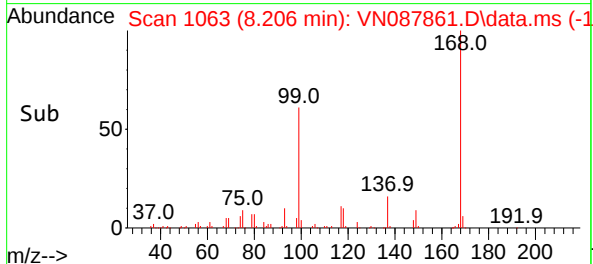
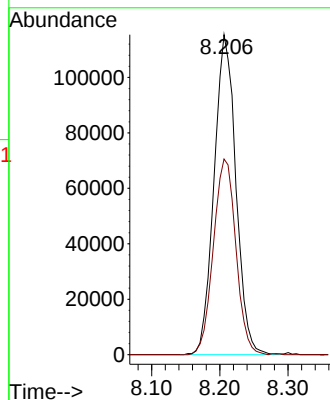
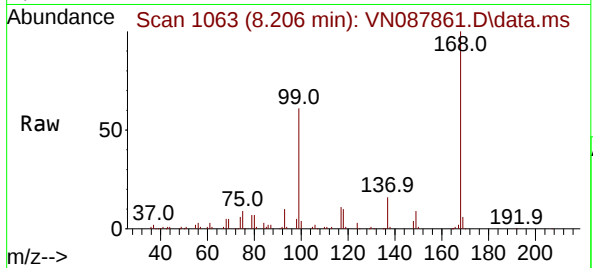




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087861.D
Acq: 16 Sep 2025 19:19

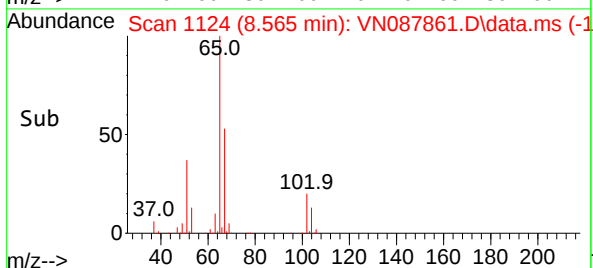
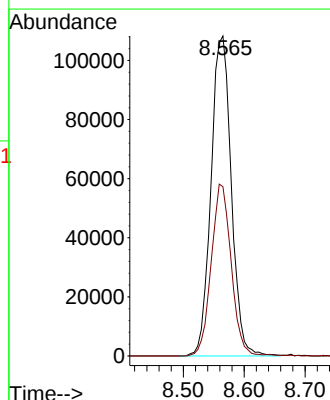
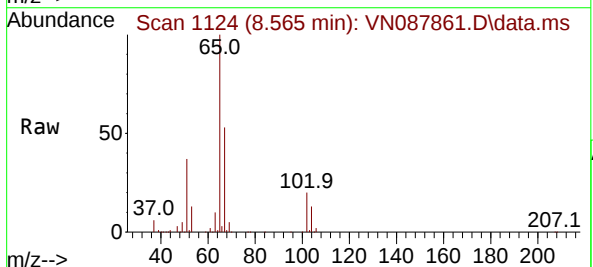
Instrument :
MSVOA_N
ClientSampleId :
821-I

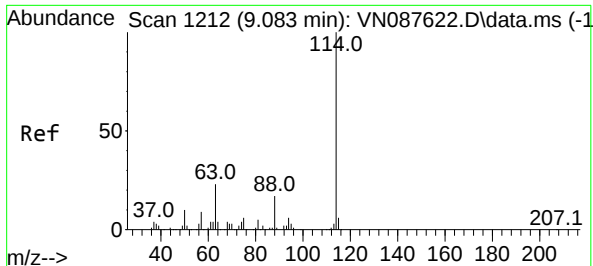
Tgt Ion:168 Resp: 257495
Ion Ratio Lower Upper
168 100
99 61.1 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 47.435 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087861.D
Acq: 16 Sep 2025 19:19

Tgt Ion: 65 Resp: 250255
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.0

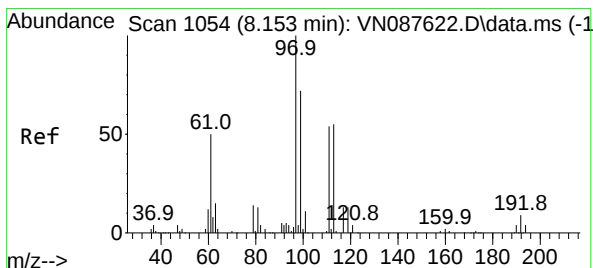
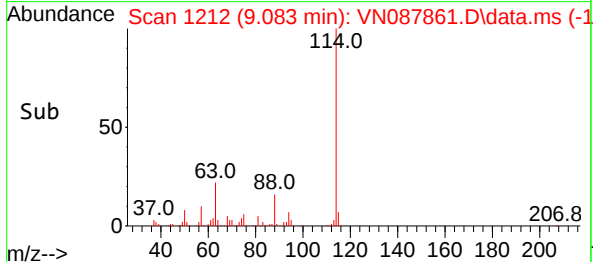
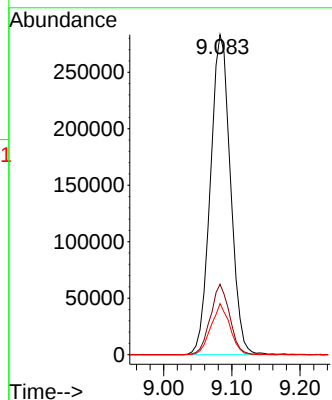
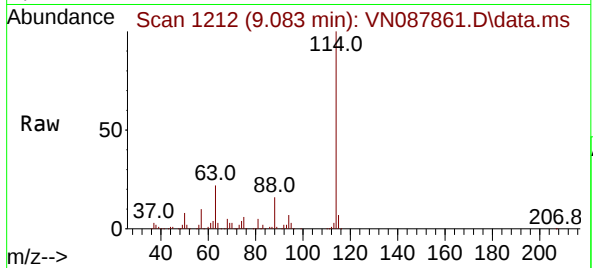




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087861.D
Acq: 16 Sep 2025 19:19

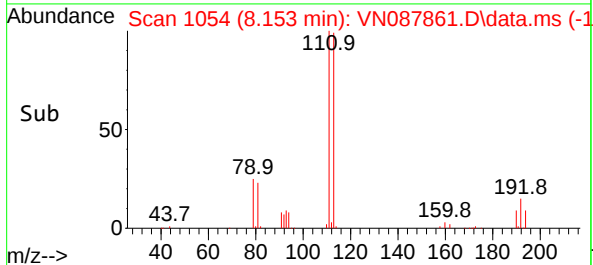
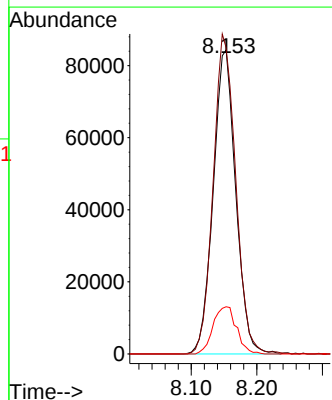
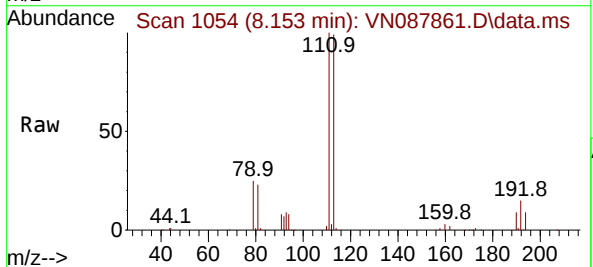
Instrument :
MSVOA_N
ClientSampleId :
821-I

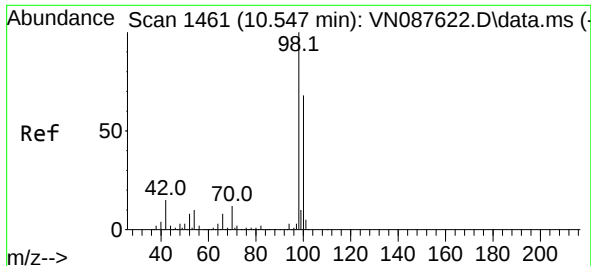
Tgt Ion:114 Resp: 579892
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.2
88 15.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.057 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087861.D
Acq: 16 Sep 2025 19:19

Tgt Ion:113 Resp: 201206
Ion Ratio Lower Upper
113 100
111 104.7 82.8 124.2
192 16.2 12.8 19.2

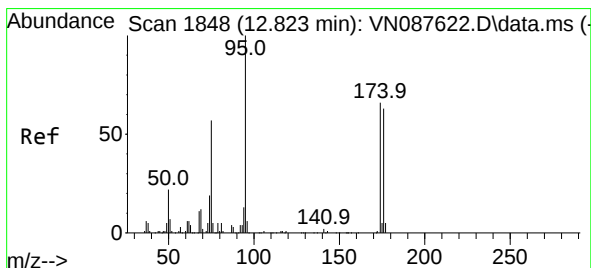
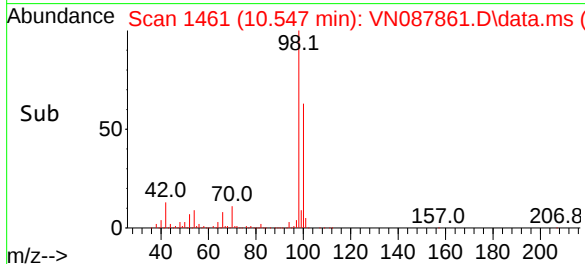
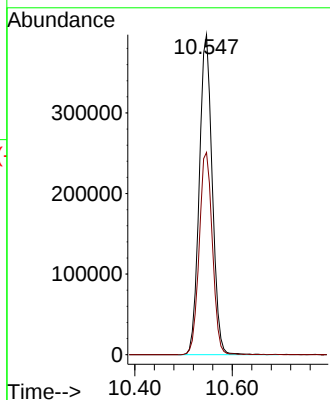
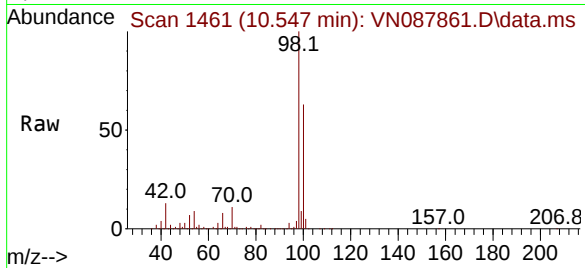




#50
Toluene-d8
Concen: 46.744 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087861.D
Acq: 16 Sep 2025 19:19

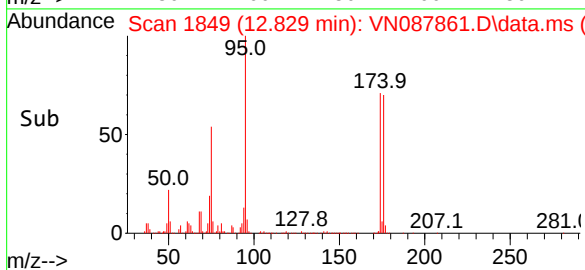
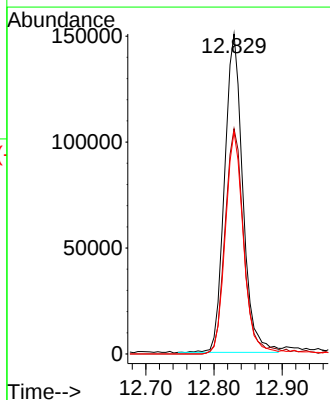
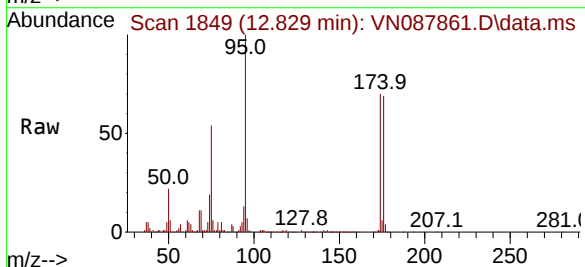
Instrument :
MSVOA_N
ClientSampleId :
821-I

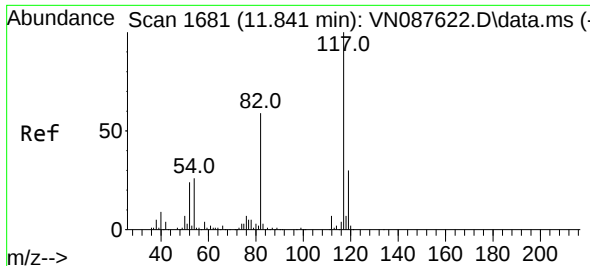
Tgt Ion: 98 Resp: 732504
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.162 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087861.D
Acq: 16 Sep 2025 19:19

Tgt Ion: 95 Resp: 279549
Ion Ratio Lower Upper
95 100
174 73.3 0.0 138.4
176 69.5 0.0 132.6

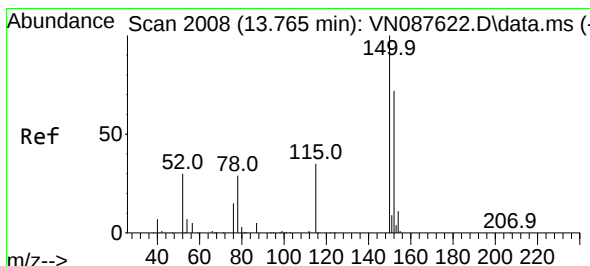
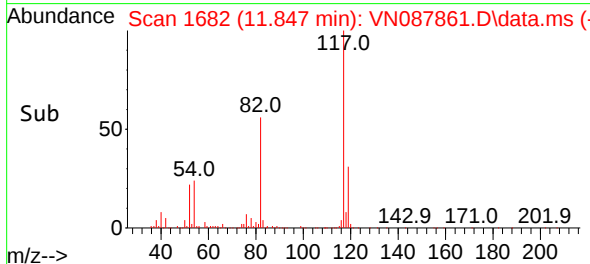
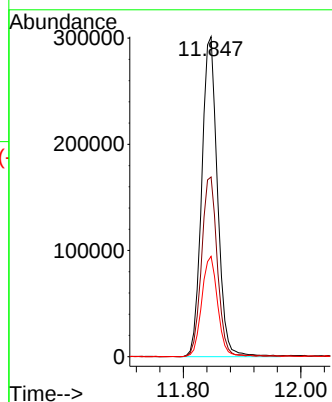
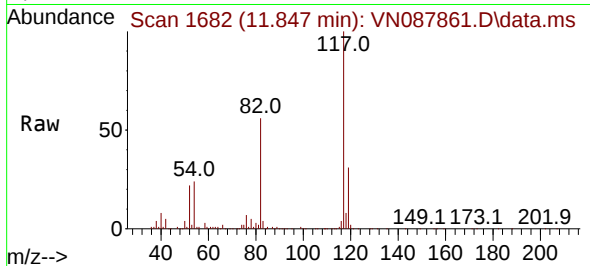




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN087861.D
Acq: 16 Sep 2025 19:19

Instrument :
MSVOA_N
ClientSampleId :
821-I

Tgt Ion:117 Resp: 559964
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 31.3 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087861.D
Acq: 16 Sep 2025 19:19

Tgt Ion:152 Resp: 283351
Ion Ratio Lower Upper
152 100
115 62.1 32.3 96.8
150 156.4 0.0 351.0

