

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087865.D
 Acq On : 16 Sep 2025 20:43
 Operator : JC\MD
 Sample : Q3087-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Sep 17 01:30:57 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	8.212	168	207761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	456514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	428063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206680	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	193871	45.544	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.080%
35) Dibromofluoromethane	8.147	113	161644	49.042	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.080%
50) Toluene-d8	10.547	98	564315	45.744	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.829	95	204796	46.680	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.360%

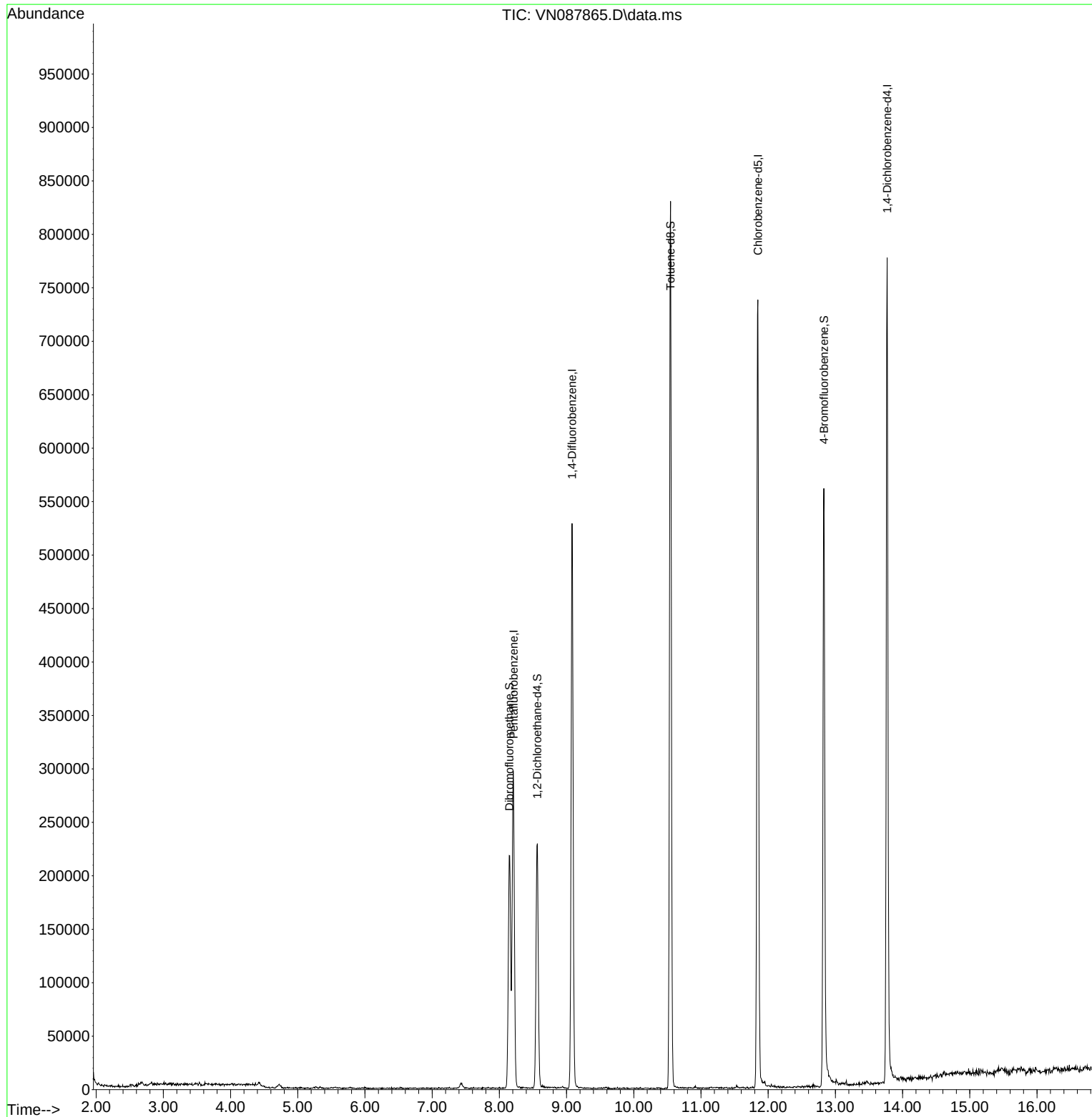
Target Compounds	Qvalue

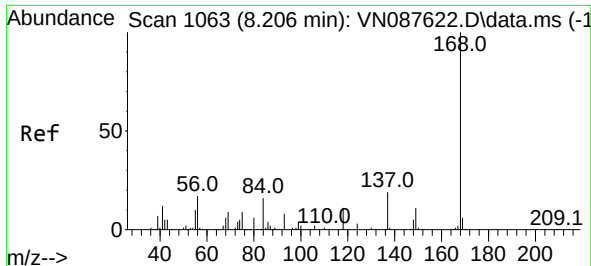
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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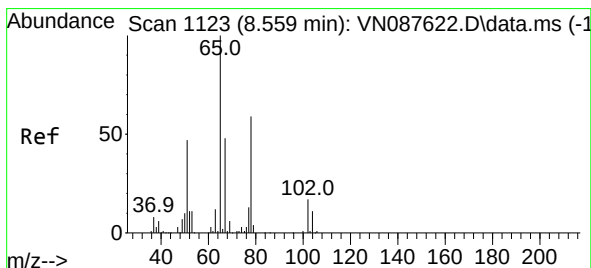
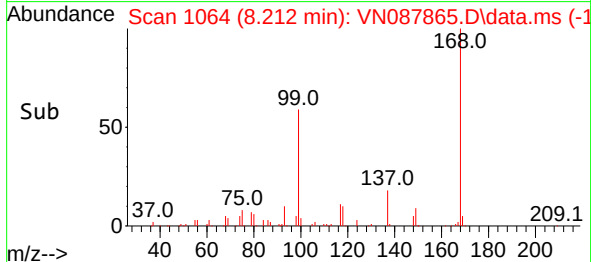
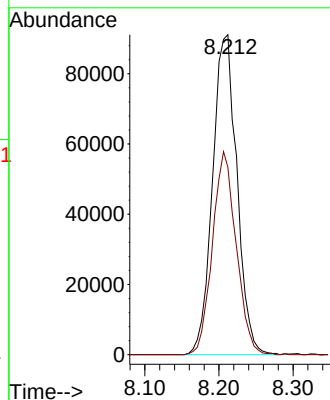
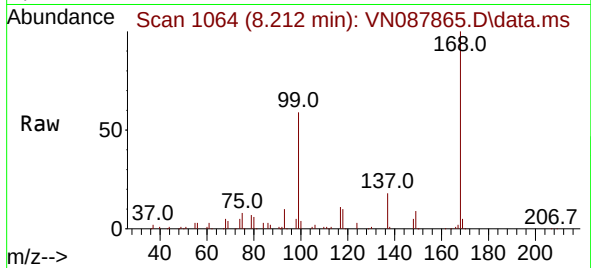




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

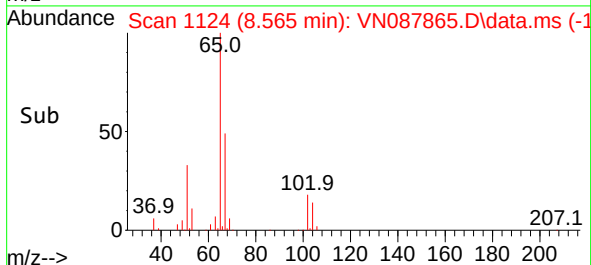
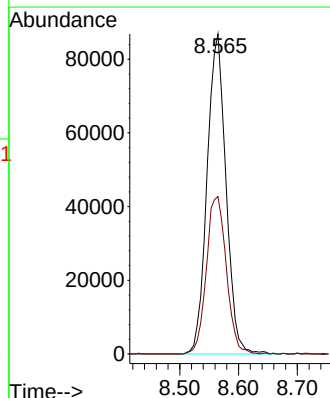
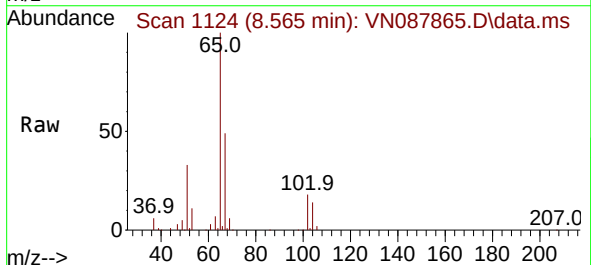
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

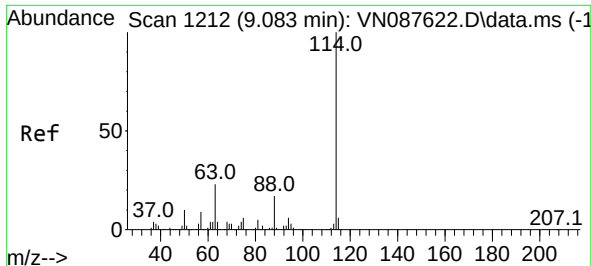
Tgt Ion:168 Resp: 207761
Ion Ratio Lower Upper
168 100
99 58.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 45.544 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

Tgt Ion: 65 Resp: 193871
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.0

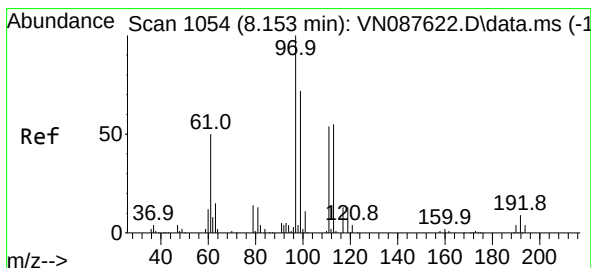
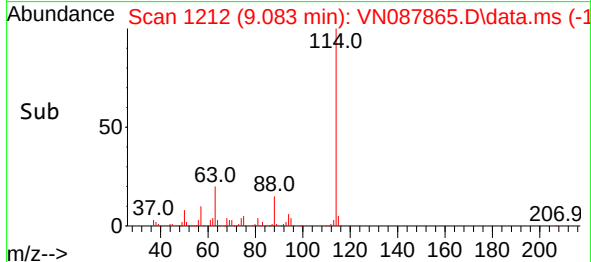
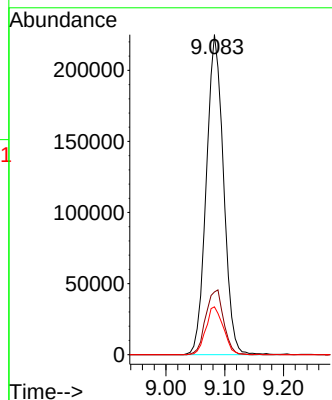
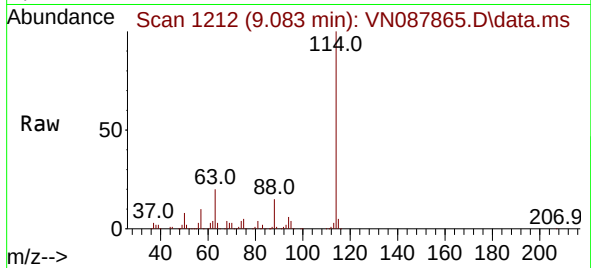




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

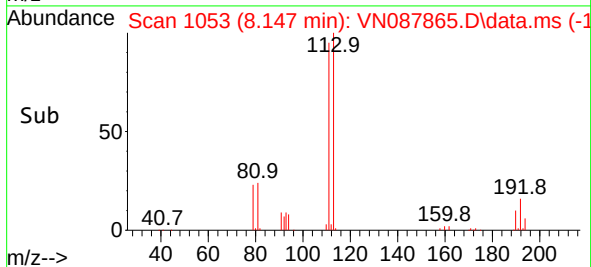
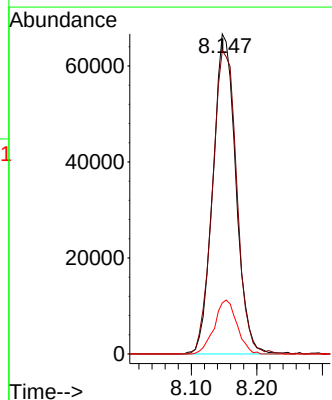
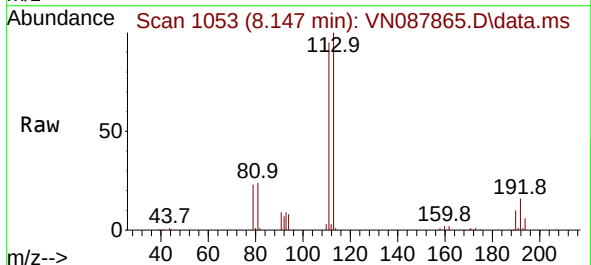
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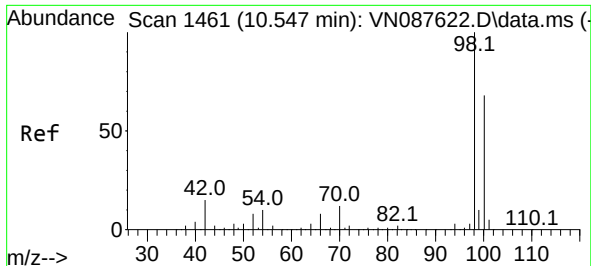
Tgt Ion:114 Resp: 456514
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.2
88 15.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.042 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

Tgt Ion:113 Resp: 161644
Ion Ratio Lower Upper
113 100
111 100.2 82.8 124.2
192 16.6 12.8 19.2

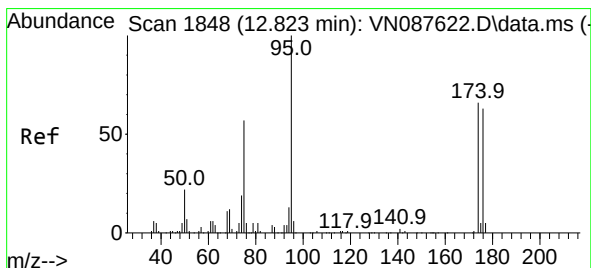
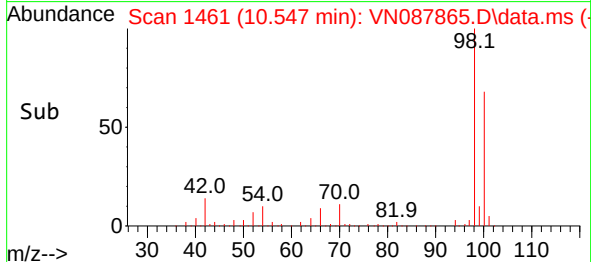
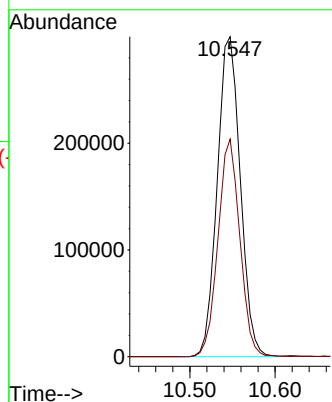
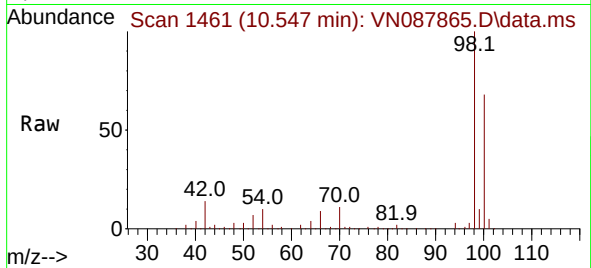




#50
Toluene-d8
Concen: 45.744 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

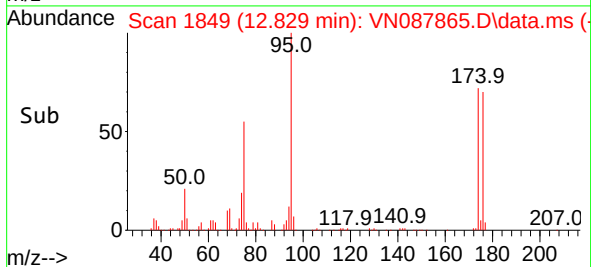
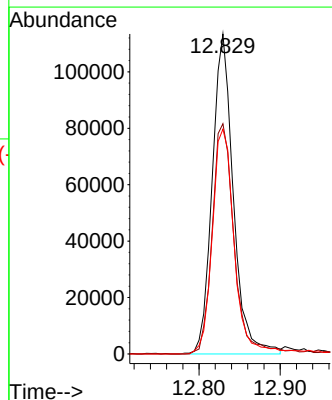
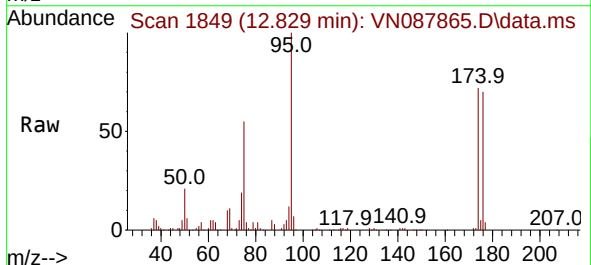
Instrument :
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ClientSampleId :
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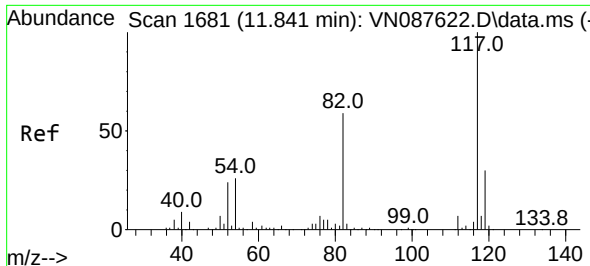
Tgt Ion: 98 Resp: 564315
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 46.680 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

Tgt Ion: 95 Resp: 204796
Ion Ratio Lower Upper
95 100
174 75.3 0.0 138.4
176 73.3 0.0 132.6

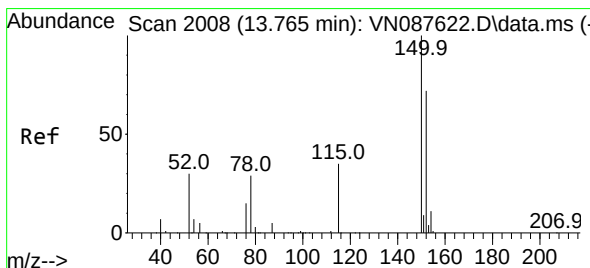
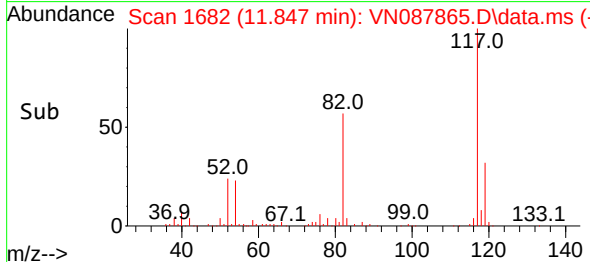
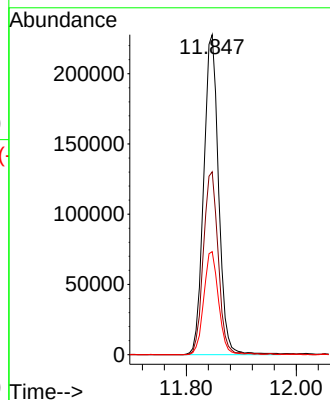
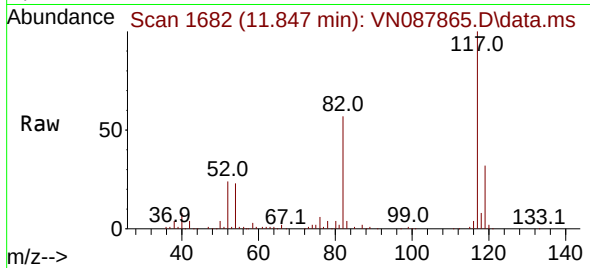




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087865.D
Acq: 16 Sep 2025 20:43

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tgt Ion:117 Resp: 428063
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 32.2 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: VN087865.D
Acq: 16 Sep 2025 20:43

Tgt Ion:152 Resp: 206680
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 160.3 0.0 351.0

