

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
 Data File : VN087625.D
 Acq On : 21 Aug 2025 15:05
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 22 02:58:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:54:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	197747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	444145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	403744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	188969	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	205525	50.727	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.460%
35) Dibromofluoromethane	8.153	113	153168	47.765	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.520%
50) Toluene-d8	10.547	98	566921	47.235	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.829	95	195757	45.862	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.720%

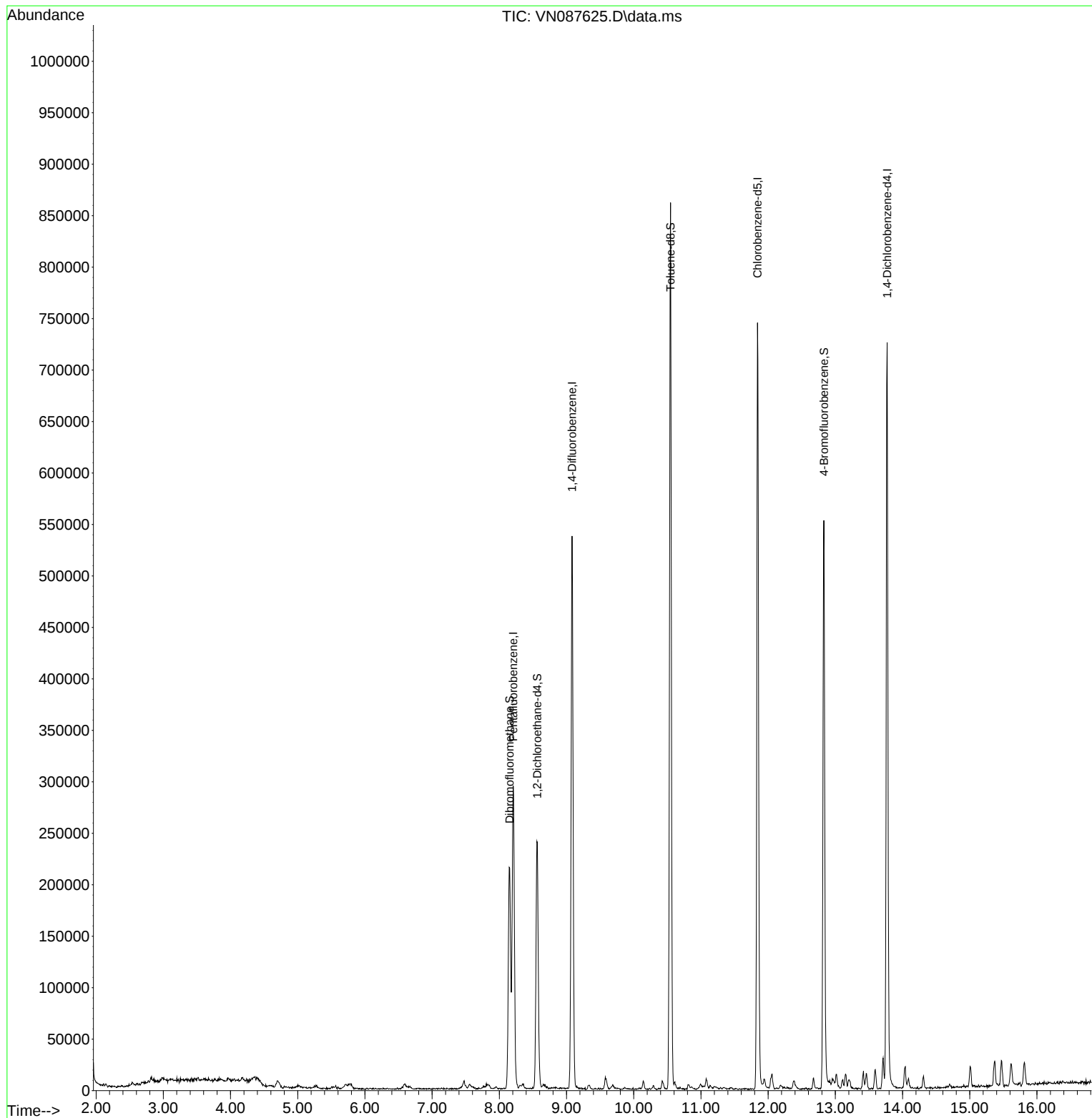
Target Compounds	Qvalue

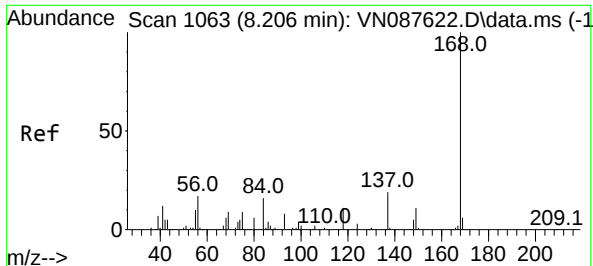
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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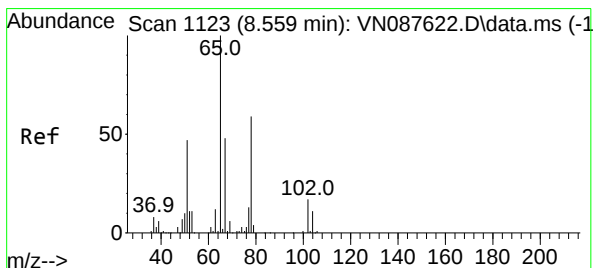
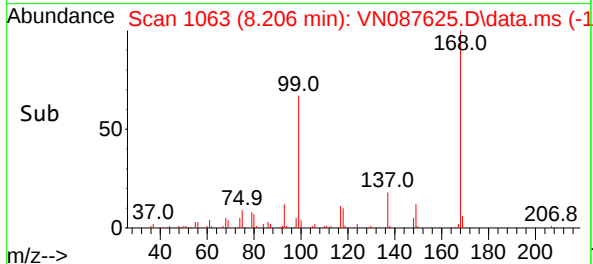
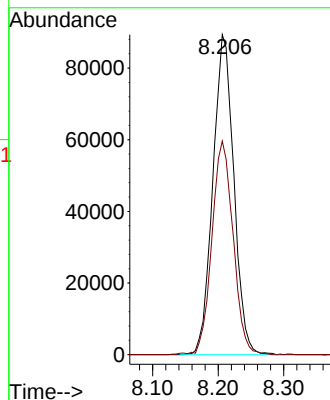
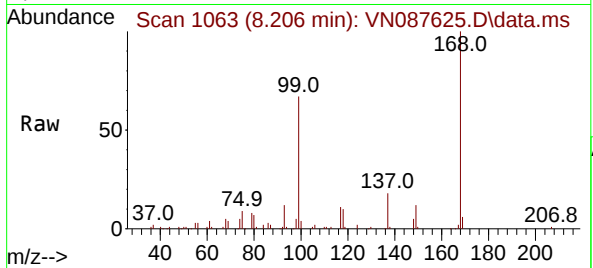




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087625.D
Acq: 21 Aug 2025 15:05

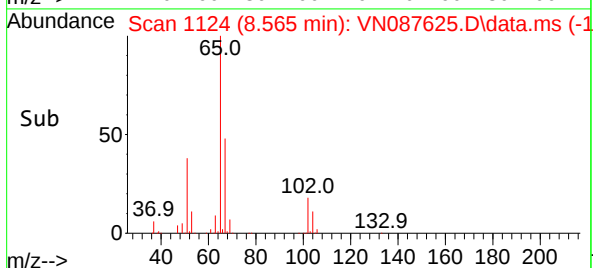
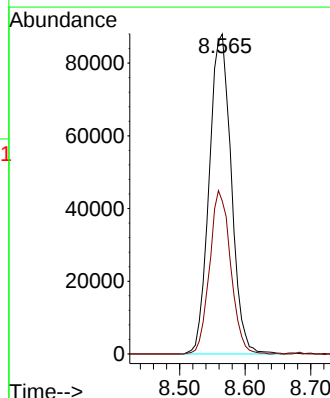
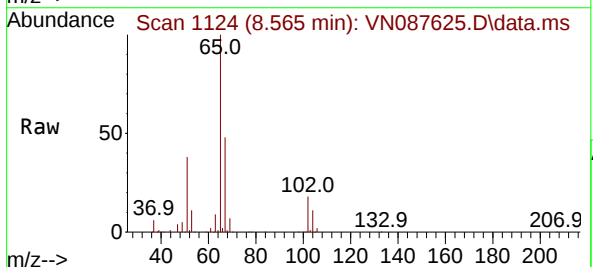
Instrument :
MSVOA_N
ClientSampleId :
IBLK

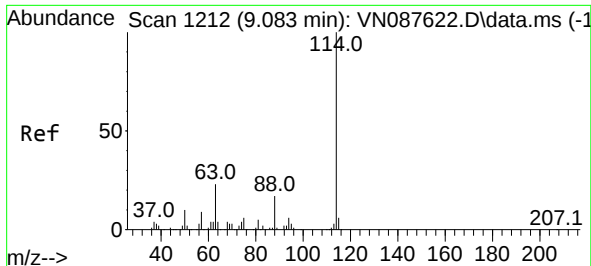
Tgt Ion:168 Resp: 197747
Ion Ratio Lower Upper
168 100
99 66.5 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 50.727 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087625.D
Acq: 21 Aug 2025 15:05

Tgt Ion: 65 Resp: 205525
Ion Ratio Lower Upper
65 100
67 48.7 0.0 100.0

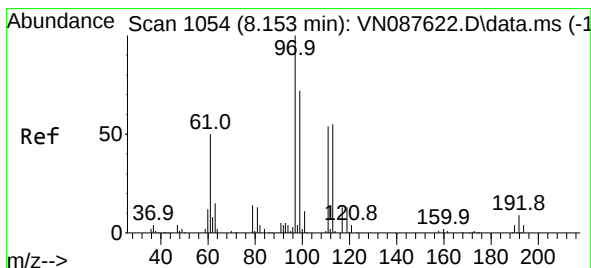
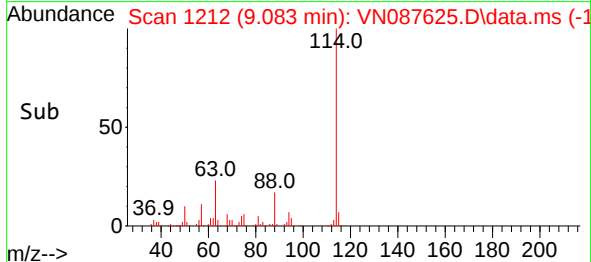
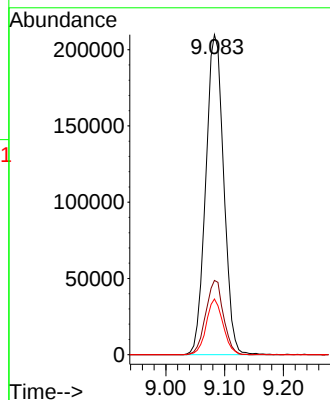
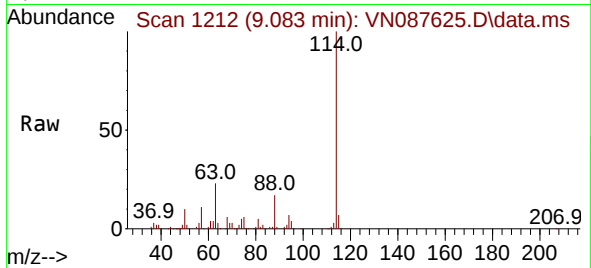




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.083 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN087625.D
 Acq: 21 Aug 2025 15:05

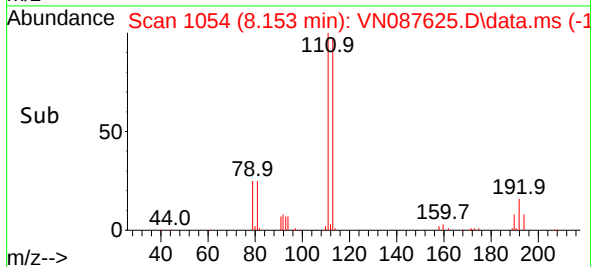
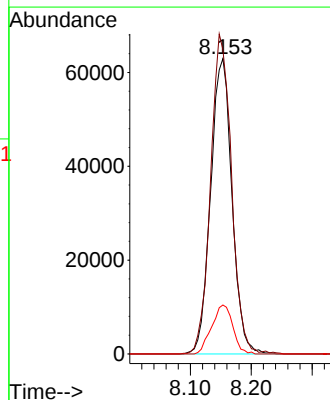
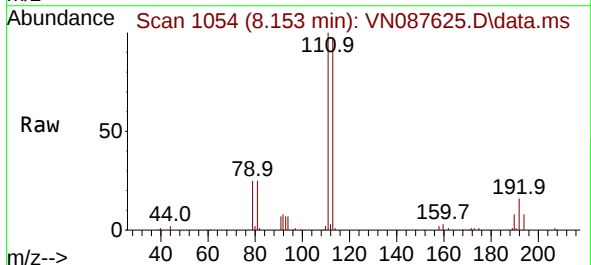
Instrument :
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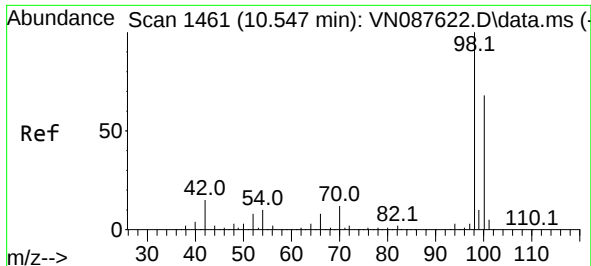
Tgt Ion:	114	Resp:	444145
Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.2
88	17.4	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 47.765 ug/l
 RT: 8.153 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: VN087625.D
 Acq: 21 Aug 2025 15:05

Tgt Ion:	113	Resp:	153168
Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.8	124.2
192	16.4	12.8	19.2

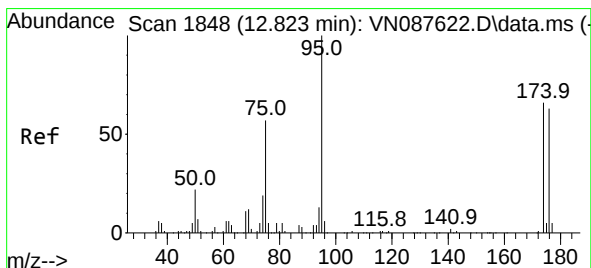
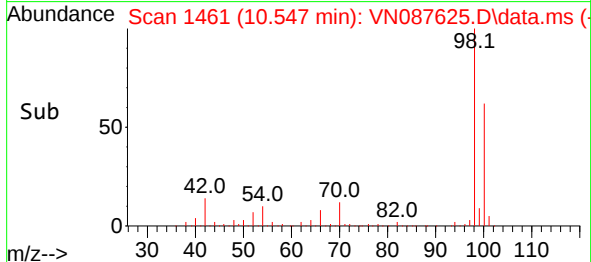
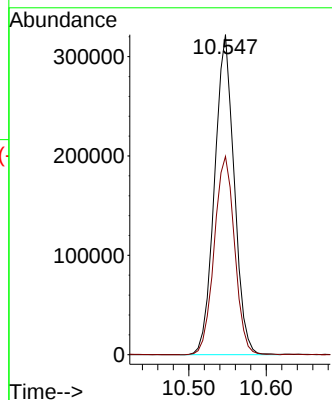
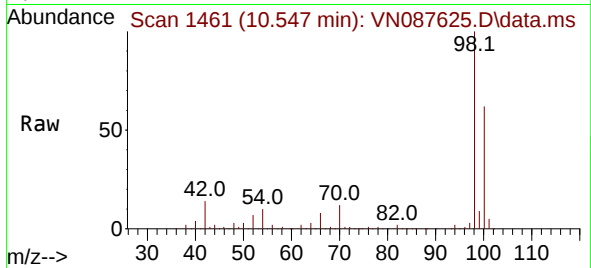




#50
Toluene-d8
Concen: 47.235 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087625.D
Acq: 21 Aug 2025 15:05

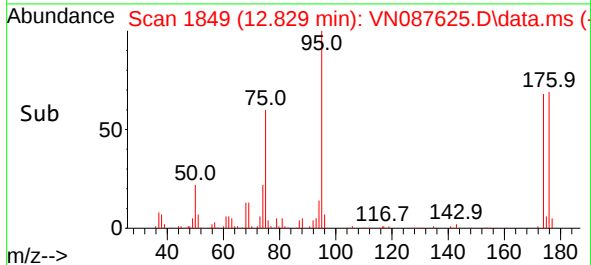
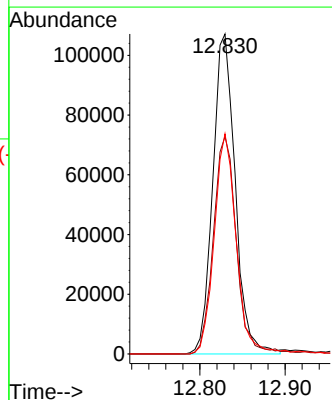
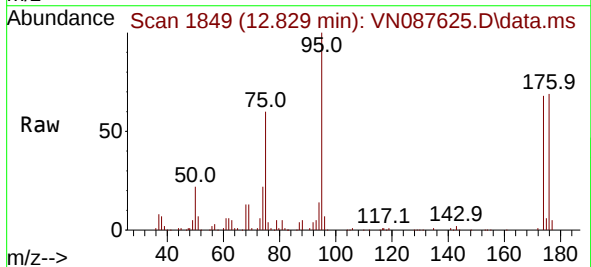
Instrument :
MSVOA_N
ClientSampleId :
IBLK

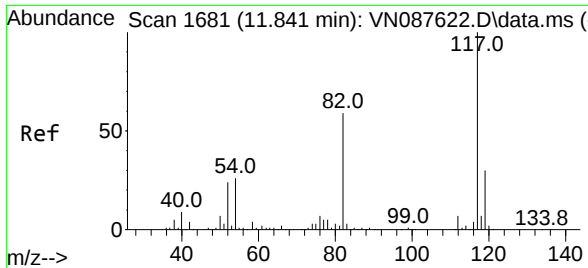
Tgt Ion: 98 Resp: 566921
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.862 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087625.D
Acq: 21 Aug 2025 15:05

Tgt Ion: 95 Resp: 195757
Ion Ratio Lower Upper
95 100
174 69.7 0.0 138.4
176 67.7 0.0 132.6

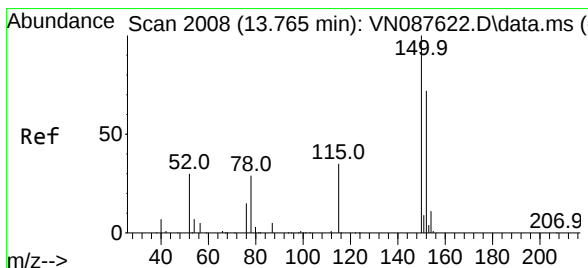
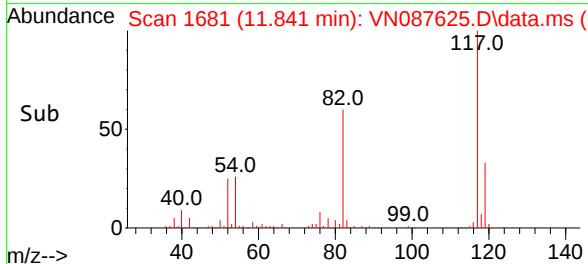
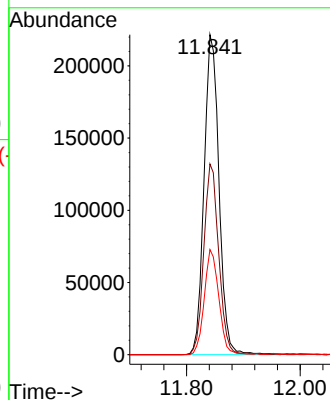
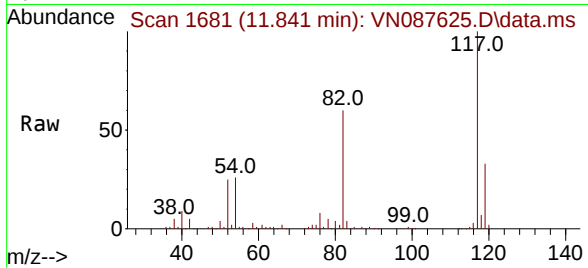




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087625.D
Acq: 21 Aug 2025 15:05

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 403744
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 32.8 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087625.D
Acq: 21 Aug 2025 15:05

Tgt Ion:152 Resp: 188969
Ion Ratio Lower Upper
152 100
115 61.2 32.3 96.8
150 156.4 0.0 351.0

