

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087745.D
 Acq On : 05 Sep 2025 16:06
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 06 01:08:08 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	219150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	513930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	484258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233573	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	237458	52.884	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.760%
35) Dibromofluoromethane	8.153	113	183642	49.492	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.980%
50) Toluene-d8	10.547	98	671819	48.374	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.740%
62) 4-Bromofluorobenzene	12.829	95	232822	47.140	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.280%

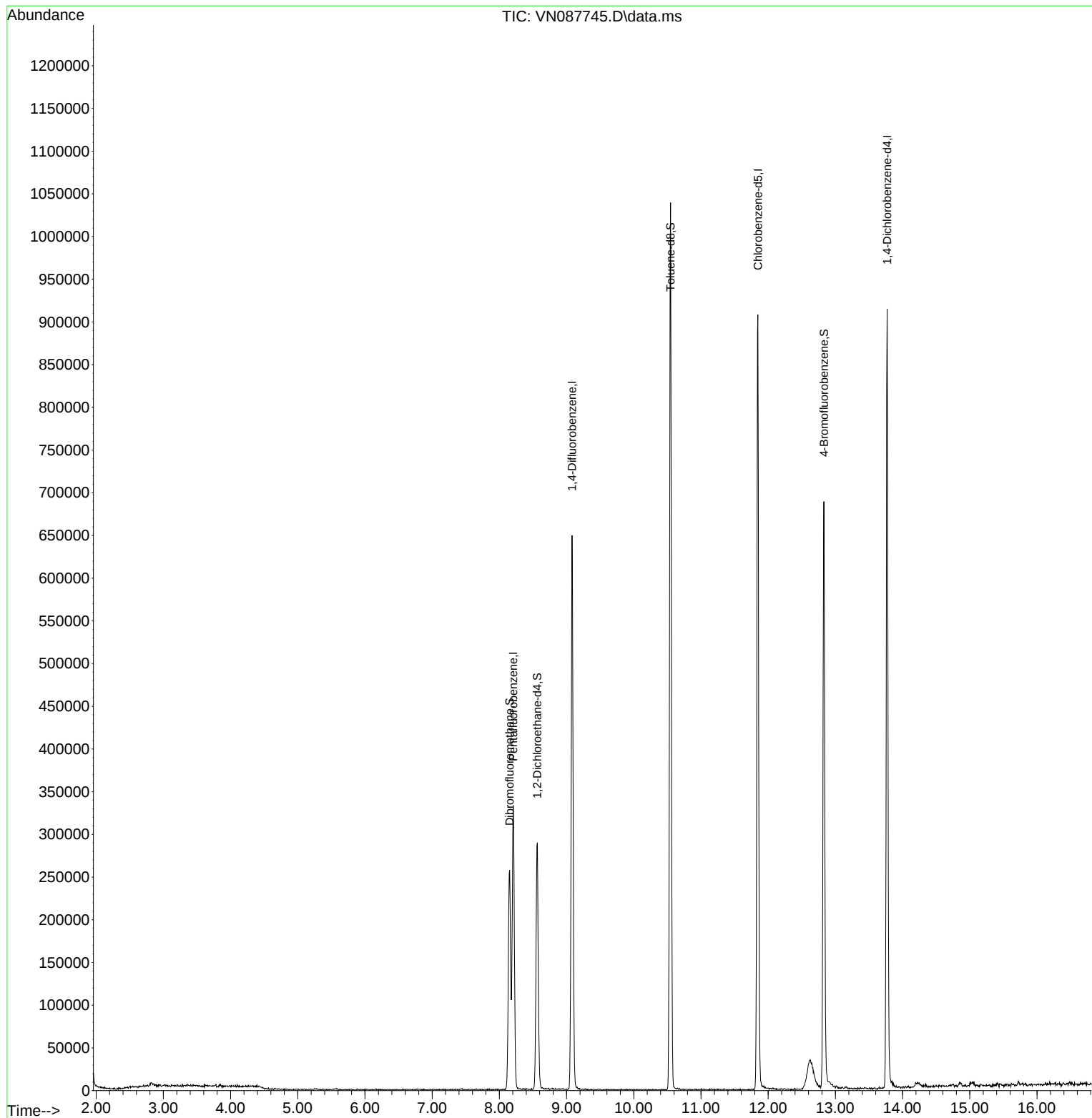
Target Compounds	Qvalue

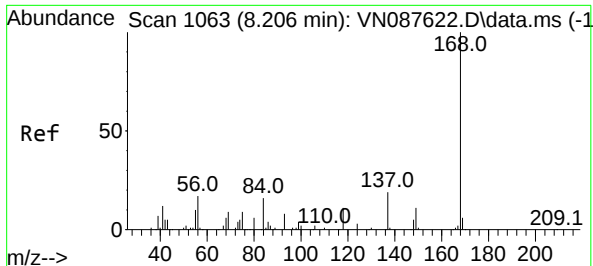
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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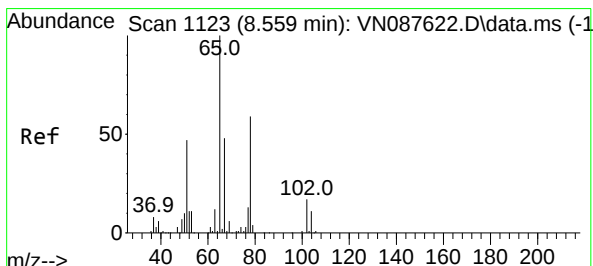
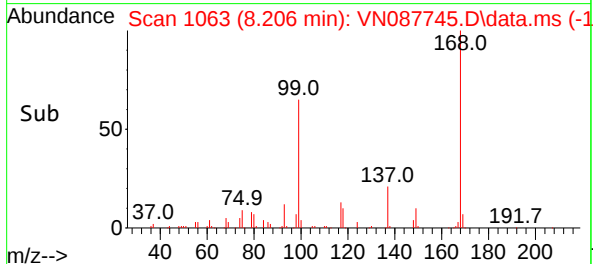
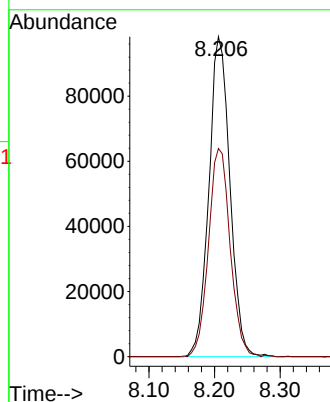
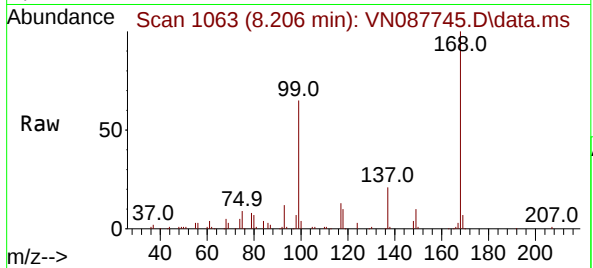




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

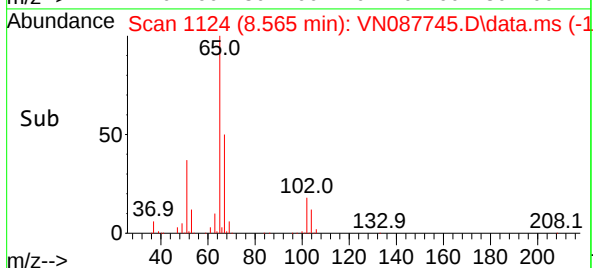
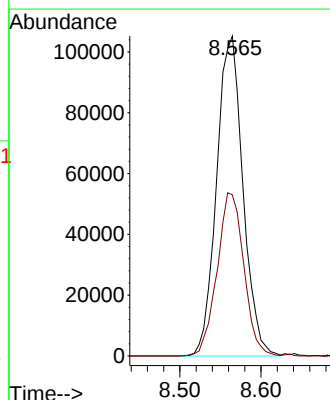
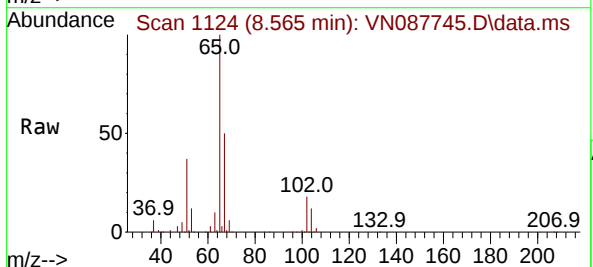
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

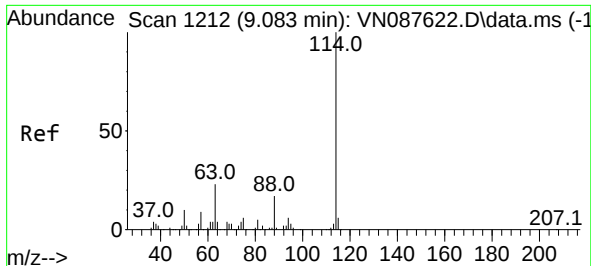
Tgt Ion:168 Resp: 219150
Ion Ratio Lower Upper
168 100
99 65.1 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 52.884 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

Tgt Ion: 65 Resp: 237458
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.0

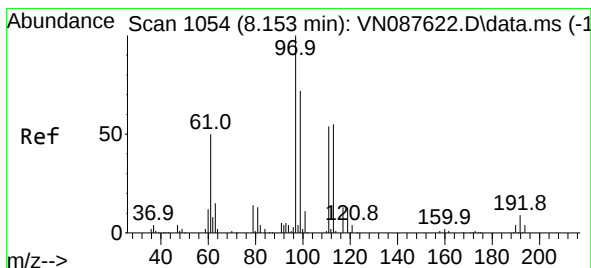
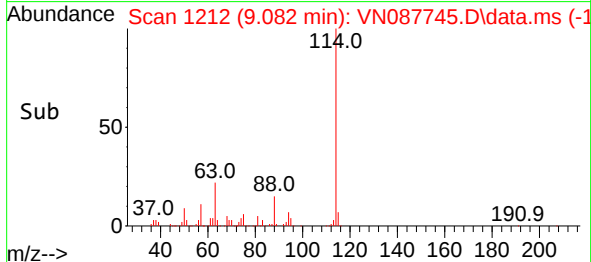
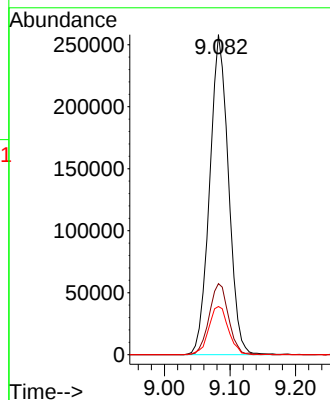
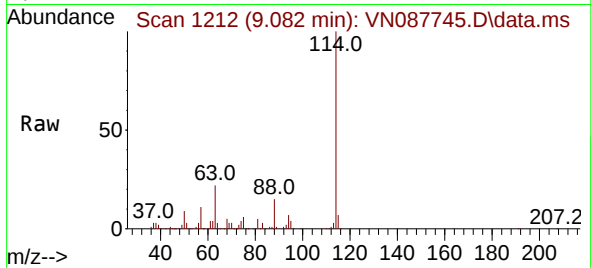




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

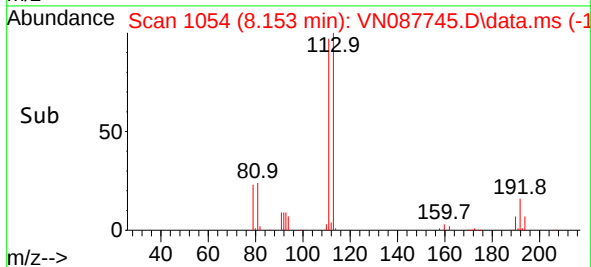
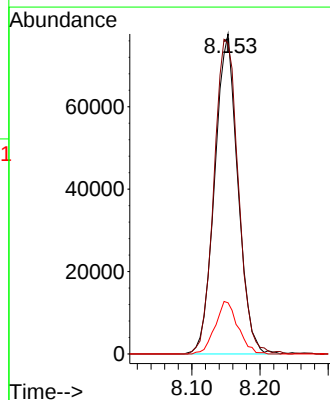
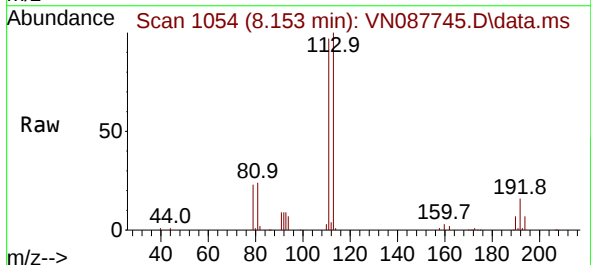
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

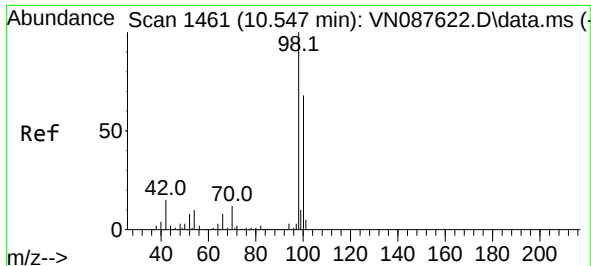
Tgt Ion:114 Resp: 513930
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.2
88 15.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.492 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

Tgt Ion:113 Resp: 183642
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 16.2 12.8 19.2

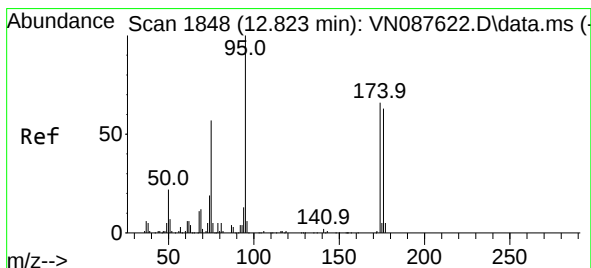
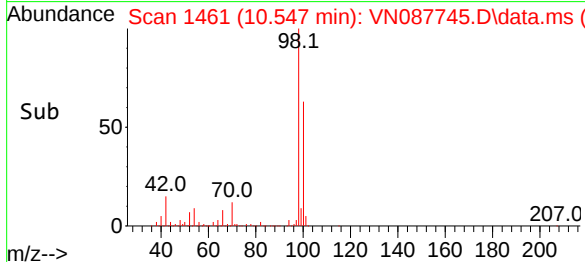
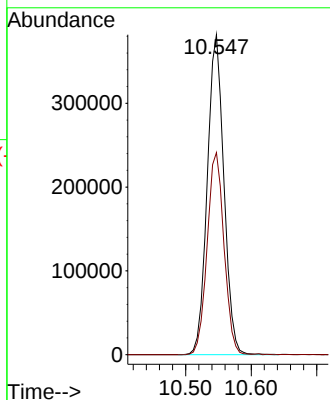
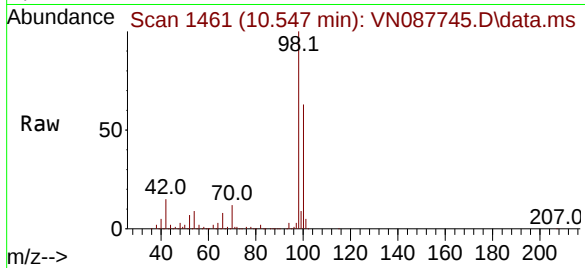




#50
Toluene-d8
Concen: 48.374 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

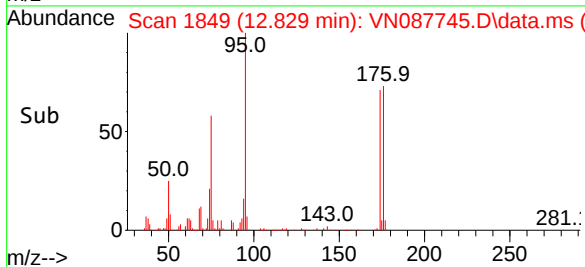
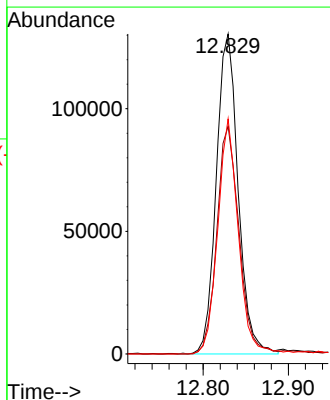
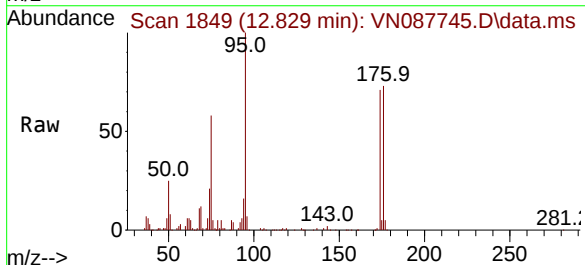
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

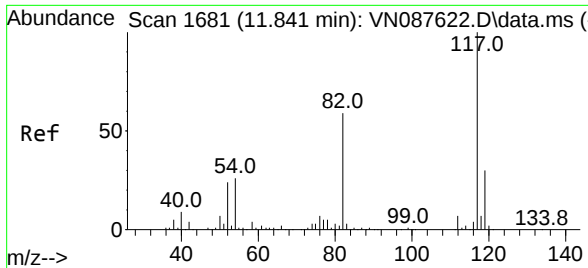
Tgt Ion: 98 Resp: 671819
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.140 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

Tgt Ion: 95 Resp: 232822
Ion Ratio Lower Upper
95 100
174 72.1 0.0 138.4
176 69.3 0.0 132.6

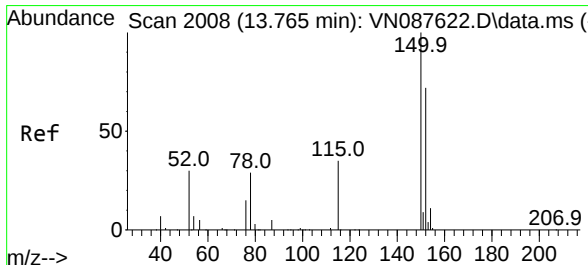
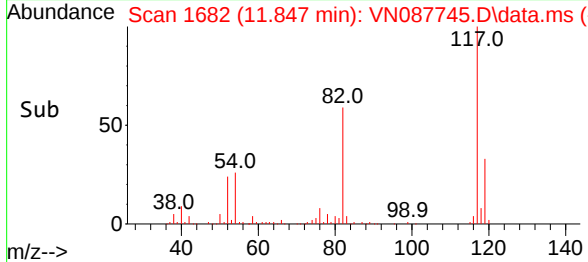
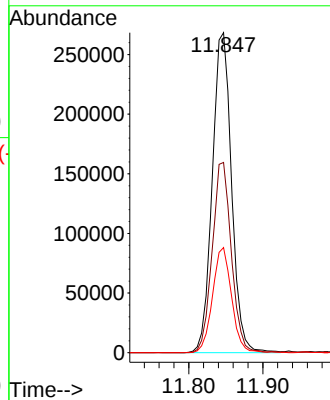
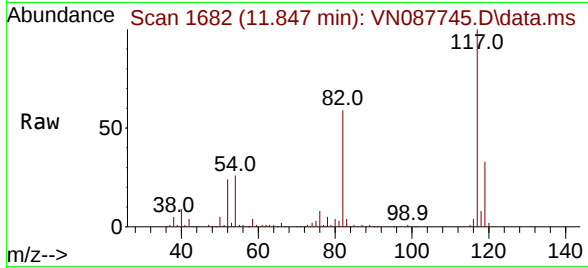




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1177
Delta R.T. 0.006 min
Lab File: VN087745.D
Acq: 05 Sep 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 484258
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.9 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: VN087745.D
Acq: 05 Sep 2025 16:06

Tgt Ion:152 Resp: 233573
Ion Ratio Lower Upper
152 100
115 61.3 32.3 96.8
150 155.4 0.0 351.0

