

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032336.D
 Acq On : 02 Oct 2025 16:31
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Oct 02 22:12:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	212138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	456706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	463790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	243745	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	174834	56.504	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	113.000%
35) Dibromofluoromethane	7.904	113	149713	50.618	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.240%
50) Toluene-d8	10.324	98	579239	53.063	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	106.120%
62) 4-Bromofluorobenzene	12.617	95	223878	54.261	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	108.520%

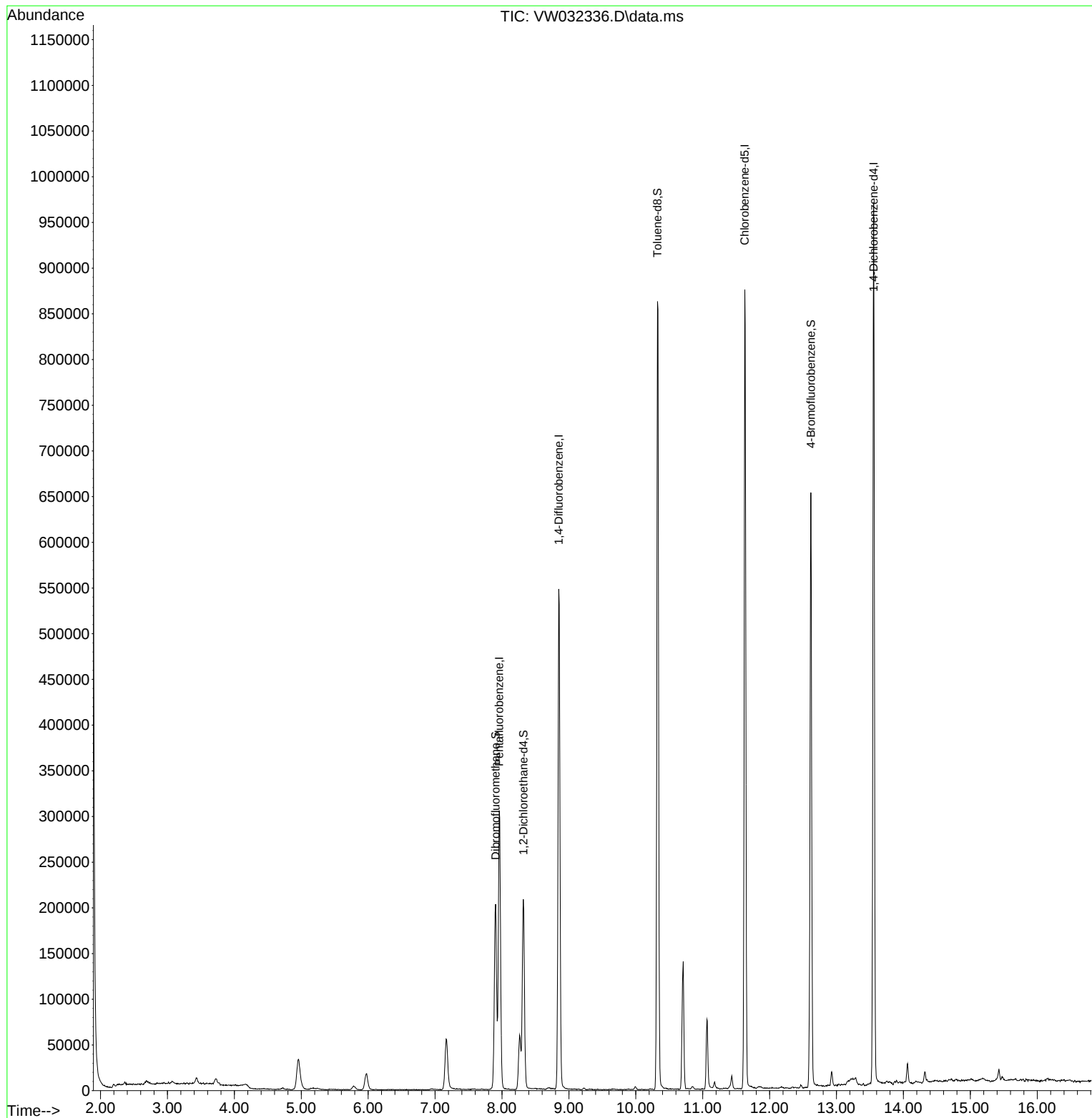
Target Compounds	Qvalue

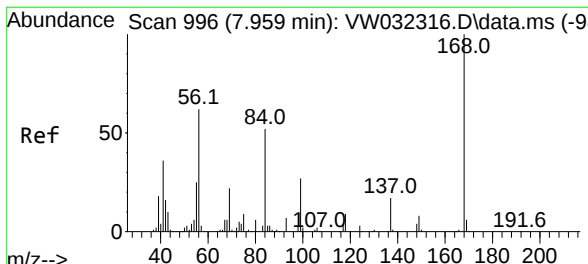
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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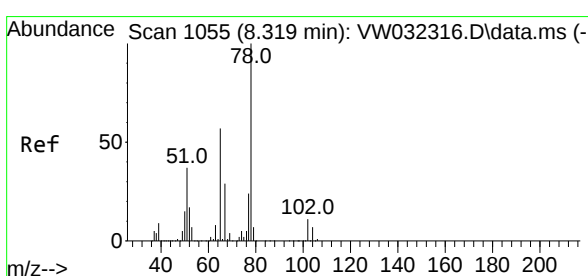
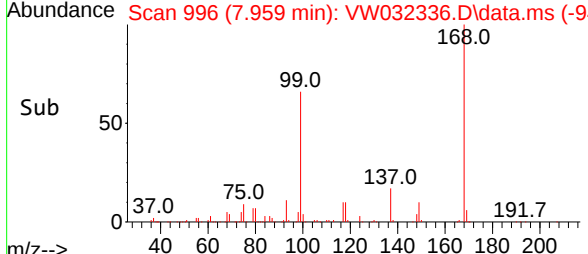
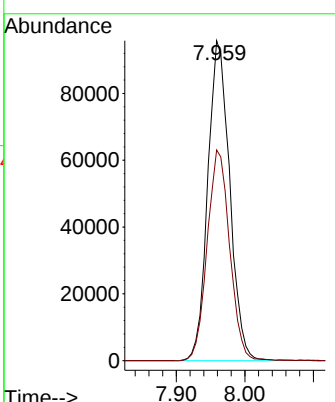
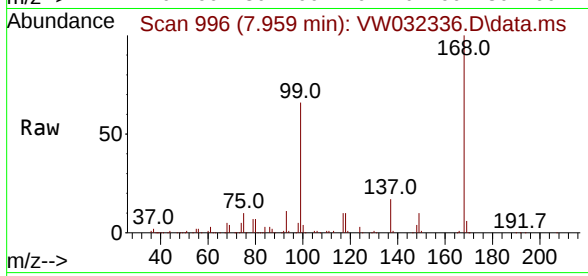


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.006 min
 Lab File: VW032336.D
 Acq: 02 Oct 2025 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion:168 Resp: 212138

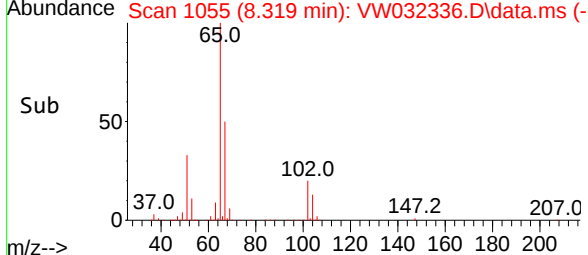
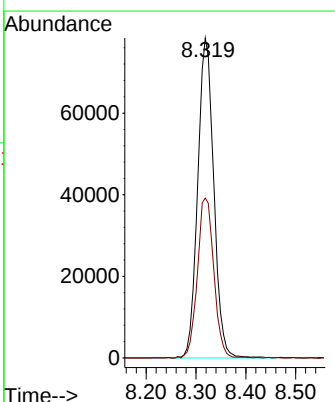
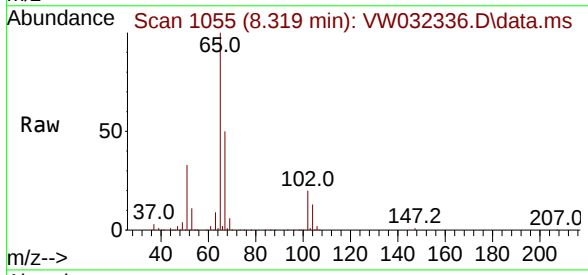
Ion	Ratio	Lower	Upper
168	100		
99	65.9	49.3	73.9

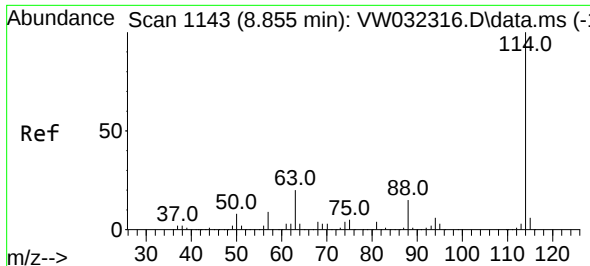


#33
 1,2-Dichloroethane-d4
 Concen: 56.504 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032336.D
 Acq: 02 Oct 2025 16:31

Tgt Ion: 65 Resp: 174834

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	99.6

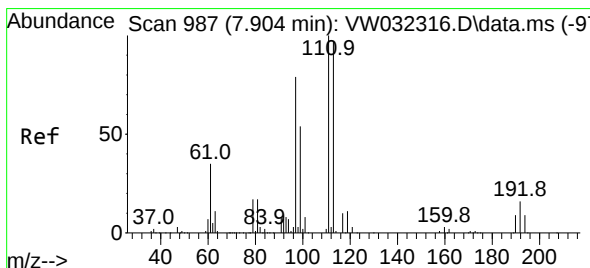
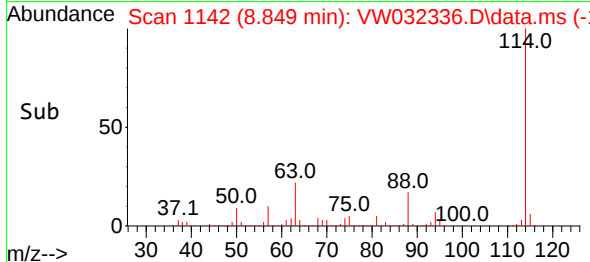
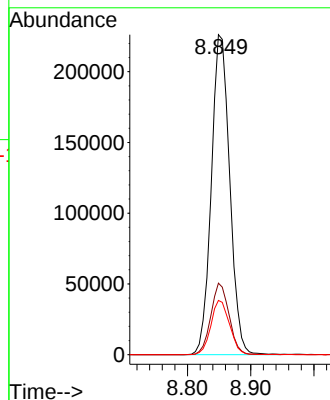
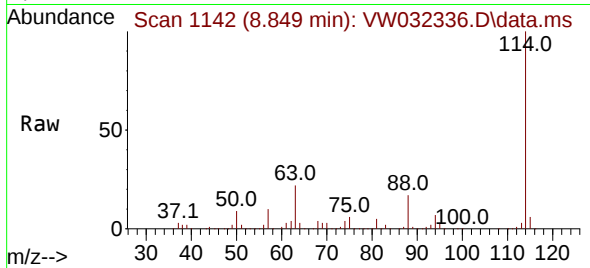




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.007 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

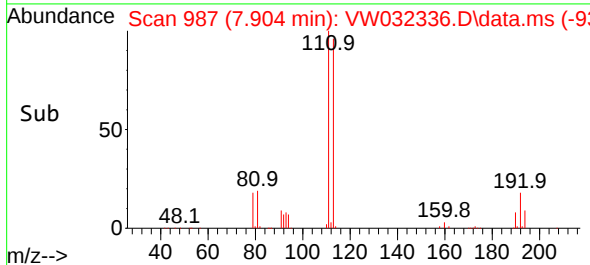
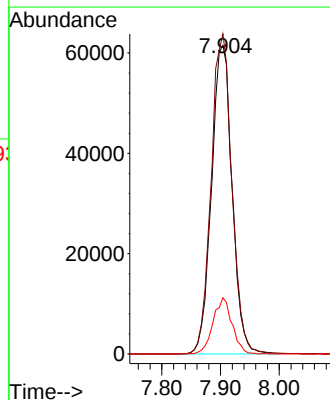
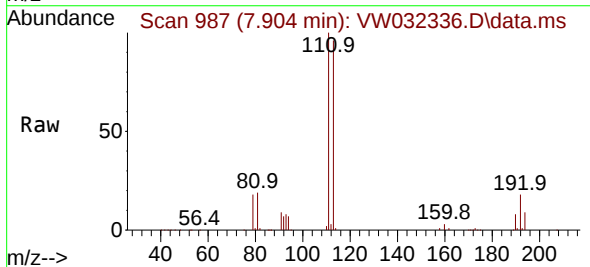
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

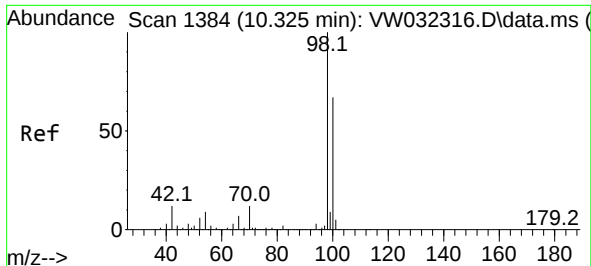
Tgt Ion:114 Resp: 456706
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.4
88 17.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.618 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Tgt Ion:113 Resp: 149713
Ion Ratio Lower Upper
113 100
111 104.7 83.9 125.9
192 16.9 14.6 21.8

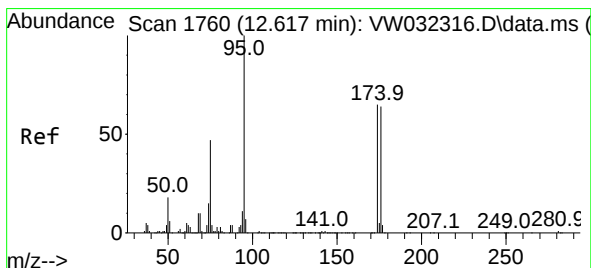
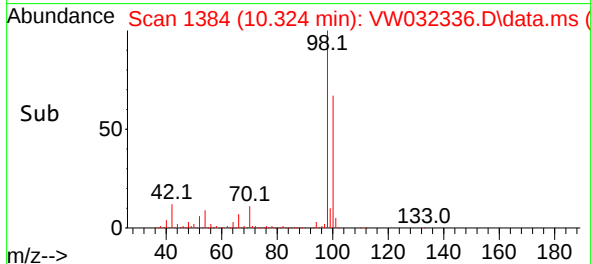
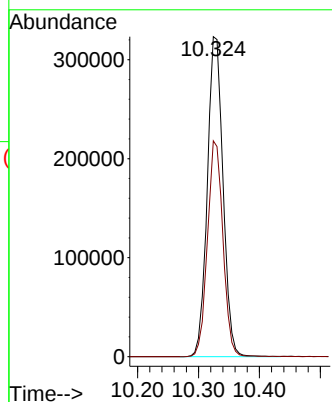
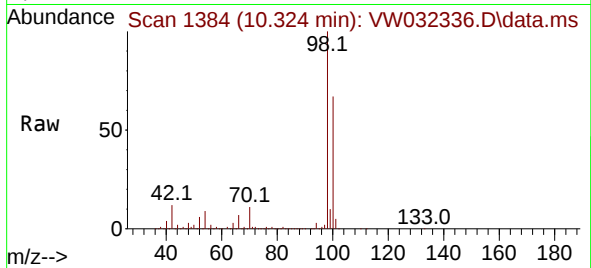




#50
Toluene-d8
Concen: 53.063 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

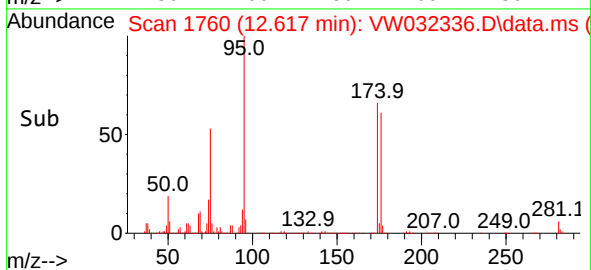
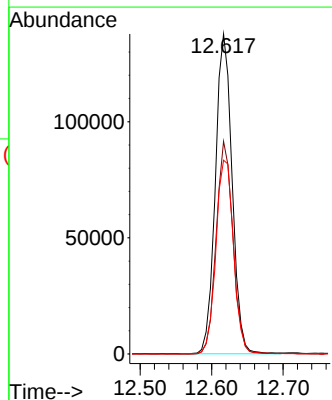
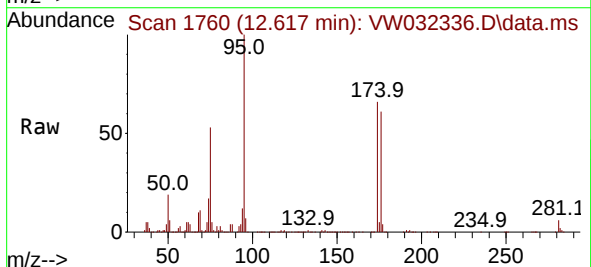
Instrument :
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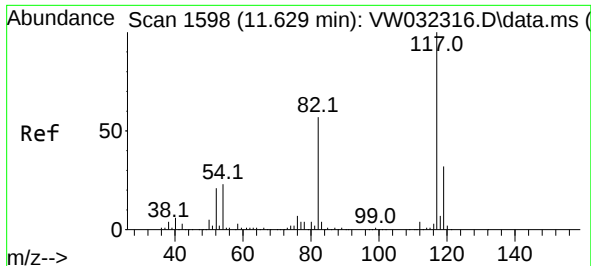
Tgt Ion: 98 Resp: 579239
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 54.261 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Tgt Ion: 95 Resp: 223878
Ion Ratio Lower Upper
95 100
174 66.3 0.0 145.6
176 63.9 0.0 140.8

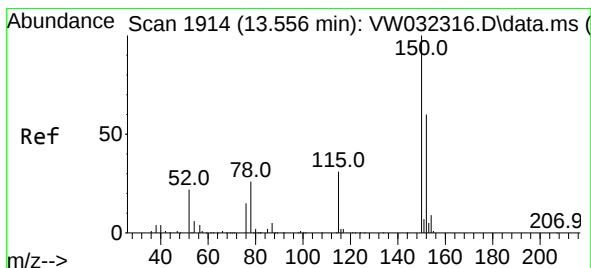
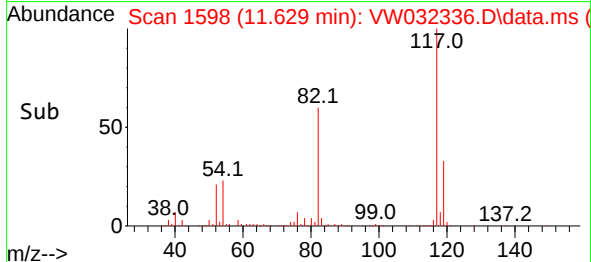
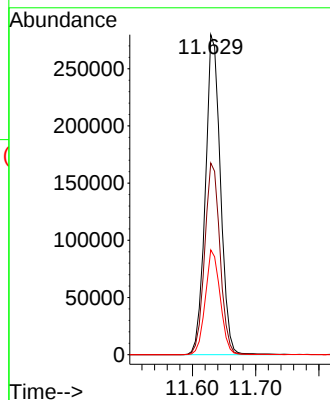
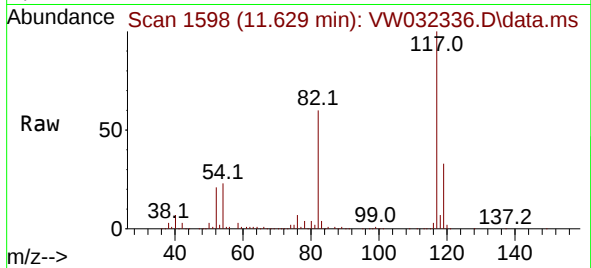




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 463790
Ion Ratio Lower Upper
117 100
82 59.9 42.7 64.1
119 32.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032336.D
Acq: 02 Oct 2025 16:31

Tgt Ion:152 Resp: 243745
Ion Ratio Lower Upper
152 100
115 64.0 31.8 95.4
150 153.7 0.0 343.0

