

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032557.D
 Acq On : 26 Nov 2025 20:07
 Operator : SY/MD
 Sample : Q3732-01
 Misc : 8.61g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-11-26-2025

Quant Time: Nov 27 00:33:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	209070	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	527288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	575882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	293465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	183655	68.136	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 136.280%	
35) Dibromofluoromethane	7.898	113	157924	50.023	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 100.040%	
50) Toluene-d8	10.325	98	538580	44.469	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 88.940%	
62) 4-Bromofluorobenzene	12.617	95	271087	59.252	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 118.500%	

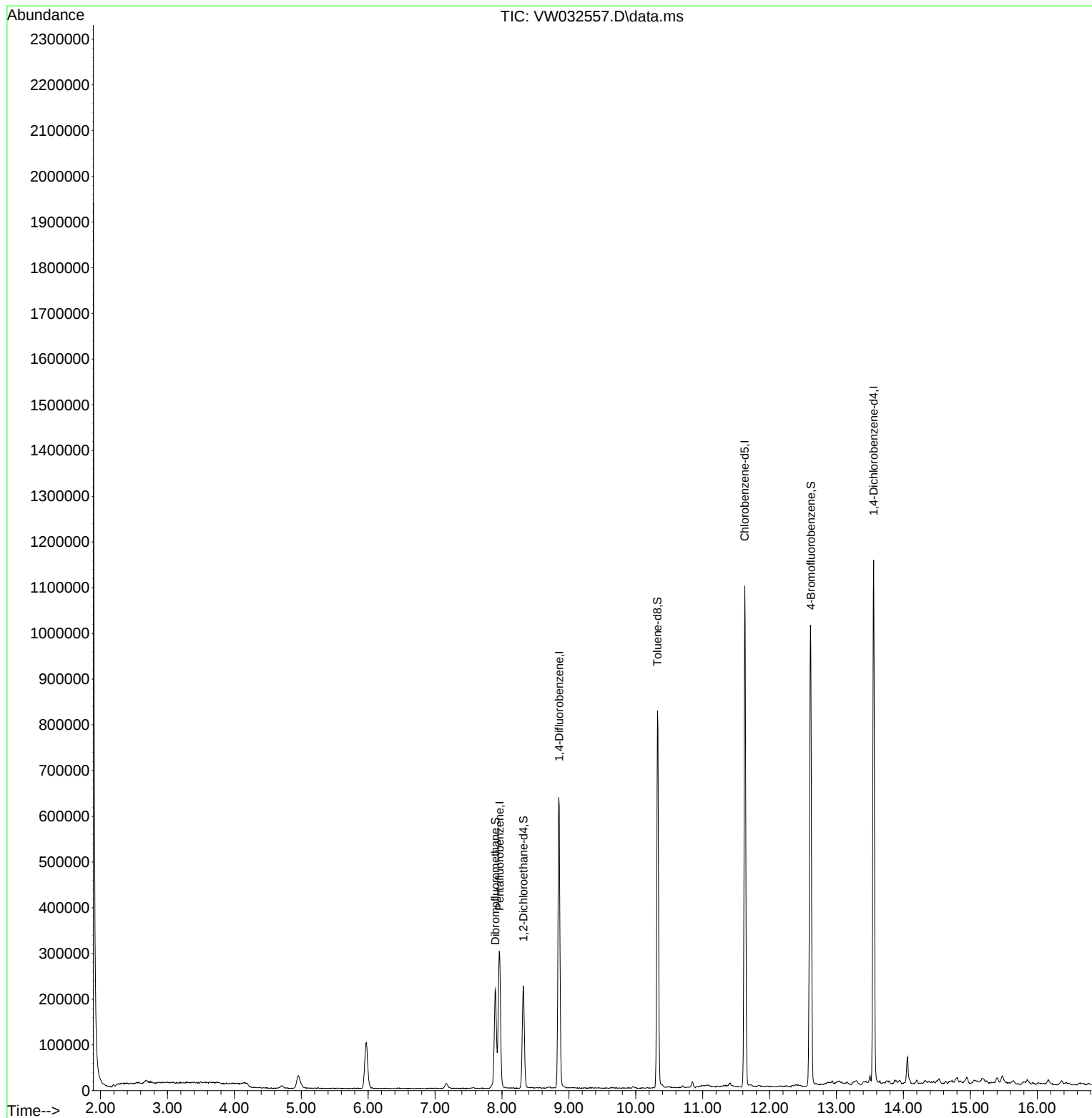
Target Compounds	Qvalue

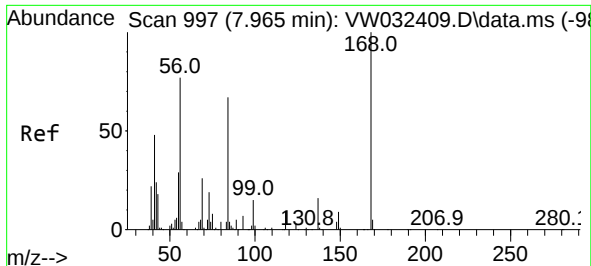
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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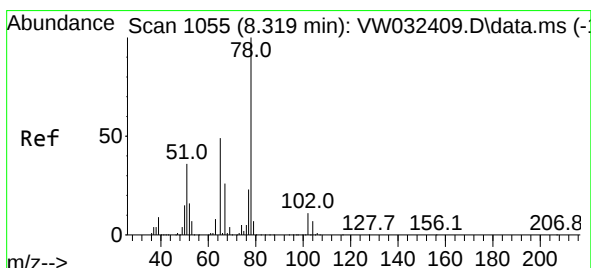
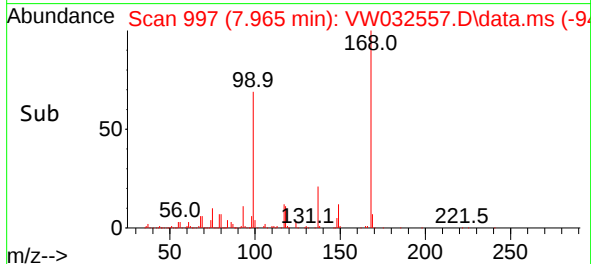
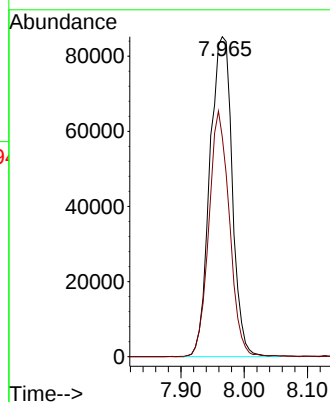
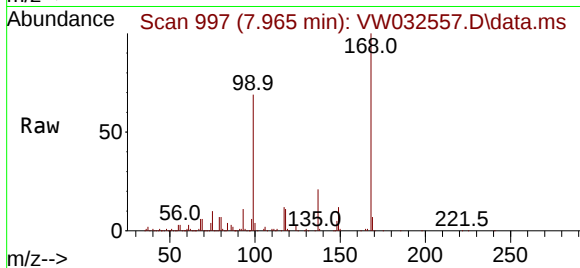




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

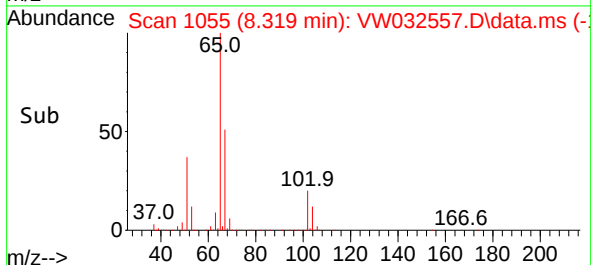
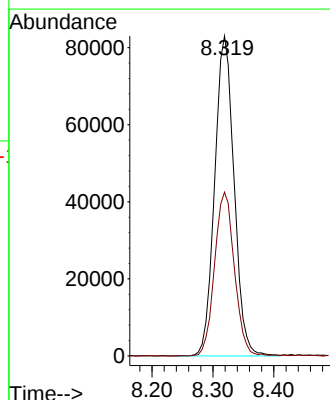
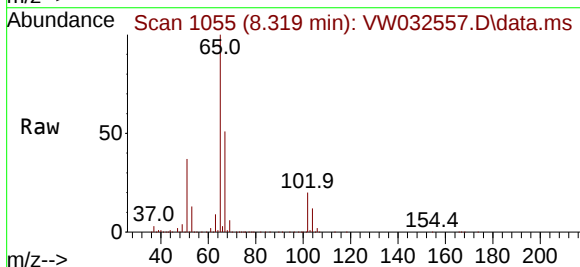
Instrument :
MSVOA_W
ClientSampleId :
HD-01-11-26-2025

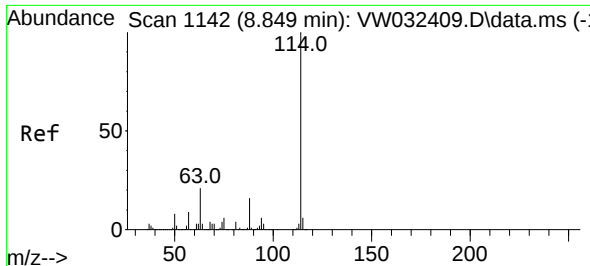
Tgt Ion:168 Resp: 209070
Ion Ratio Lower Upper
168 100
99 68.6 45.4 68.2#



#33
1,2-Dichloroethane-d4
Concen: 68.136 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion: 65 Resp: 183655
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8

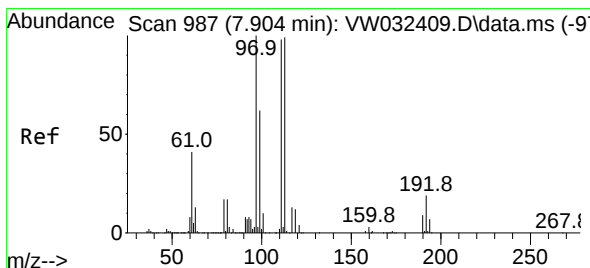
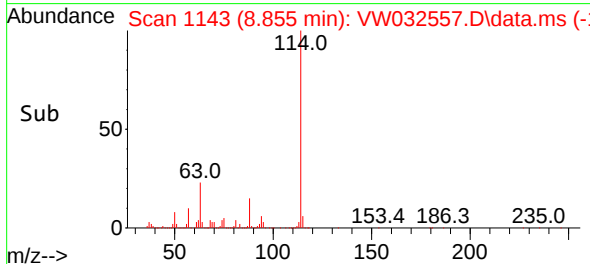
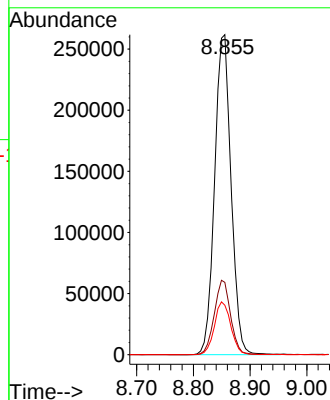
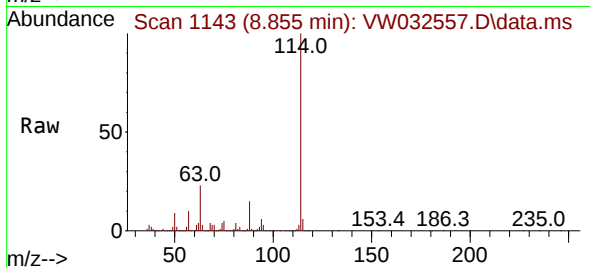




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

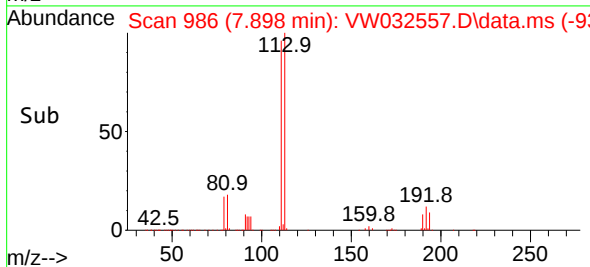
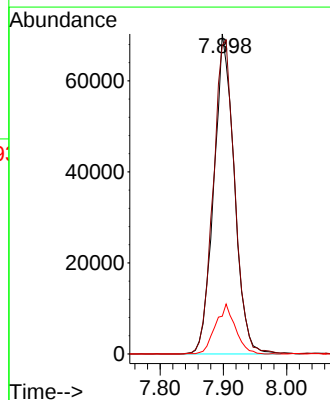
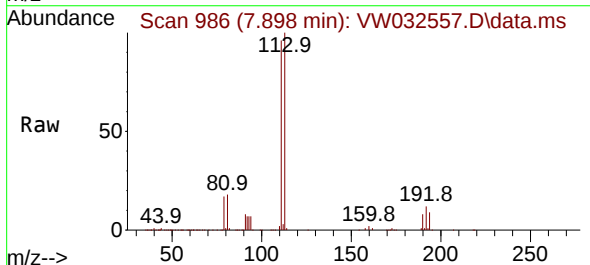
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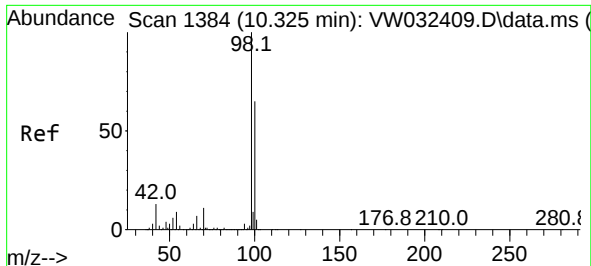
Tgt Ion:	114	Resp:	527288
Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	15.5	0.0	32.6



#35
Dibromofluoromethane
Concen: 50.023 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion:	113	Resp:	157924
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.1	124.7
192	15.1	13.4	20.2

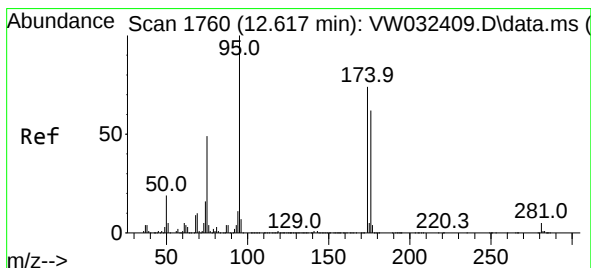
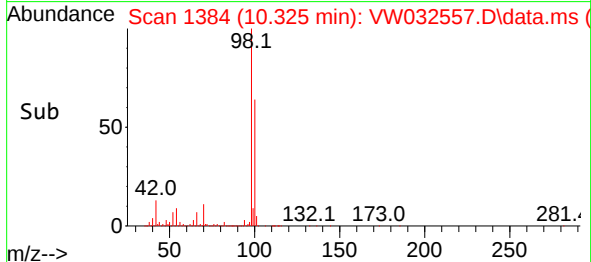
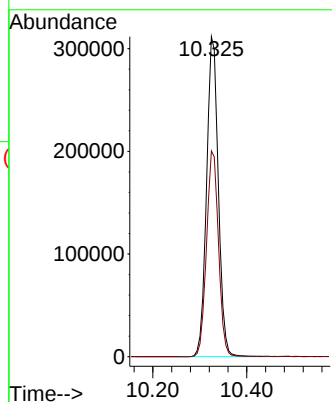
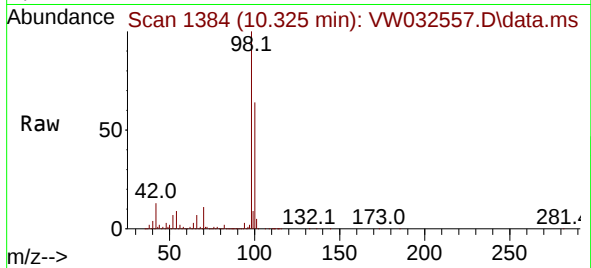




#50
Toluene-d8
Concen: 44.469 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

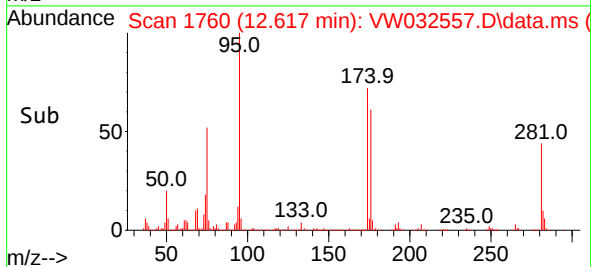
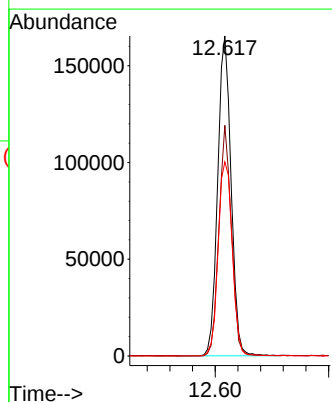
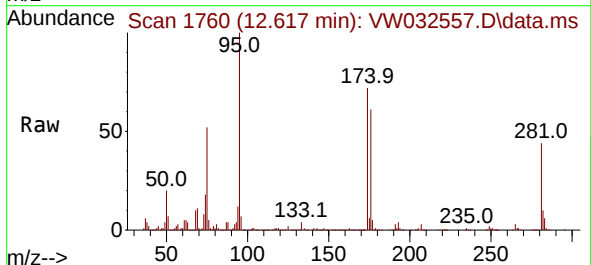
Instrument :
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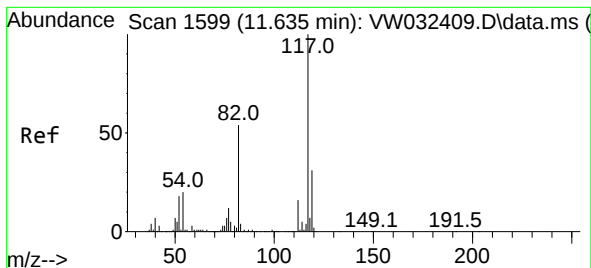
Tgt Ion: 98 Resp: 538580
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 59.252 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion: 95 Resp: 271087
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.4
176 64.0 0.0 131.8

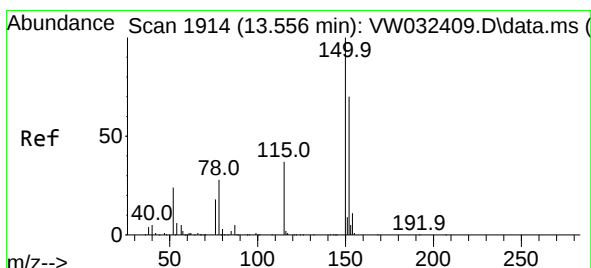
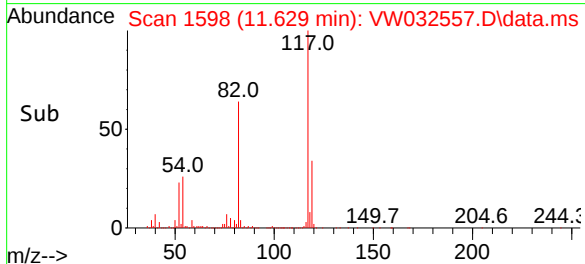
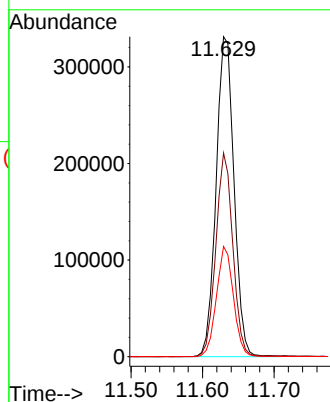
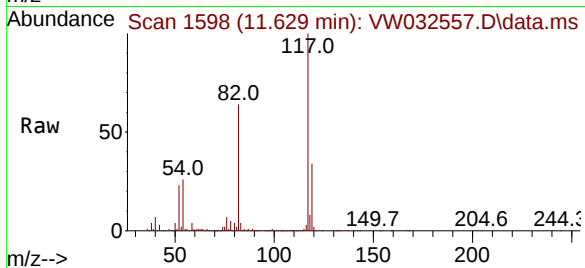




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Instrument :
MSVOA_W
ClientSampleId :
HD-01-11-26-2025

Tgt Ion:117 Resp: 575882
Ion Ratio Lower Upper
117 100
82 63.6 43.0 64.4
119 34.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032557.D
Acq: 26 Nov 2025 20:07

Tgt Ion:152 Resp: 293465
Ion Ratio Lower Upper
152 100
115 63.6 32.8 98.3
150 156.6 0.0 356.6

