

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032627.D
 Acq On : 11 Dec 2025 13:10
 Operator : SY/MD
 Sample : Q3814-11
 Misc : 4.11g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-12

Quant Time: Dec 12 00:43:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	441266	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	871578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	744015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	327501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	389605	55.732	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 111.460%	
35) Dibromofluoromethane	7.898	113	311503	50.137	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 100.280%	
50) Toluene-d8	10.325	98	1163272	52.006	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 104.020%	
62) 4-Bromofluorobenzene	12.617	95	399780	48.681	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 97.360%	

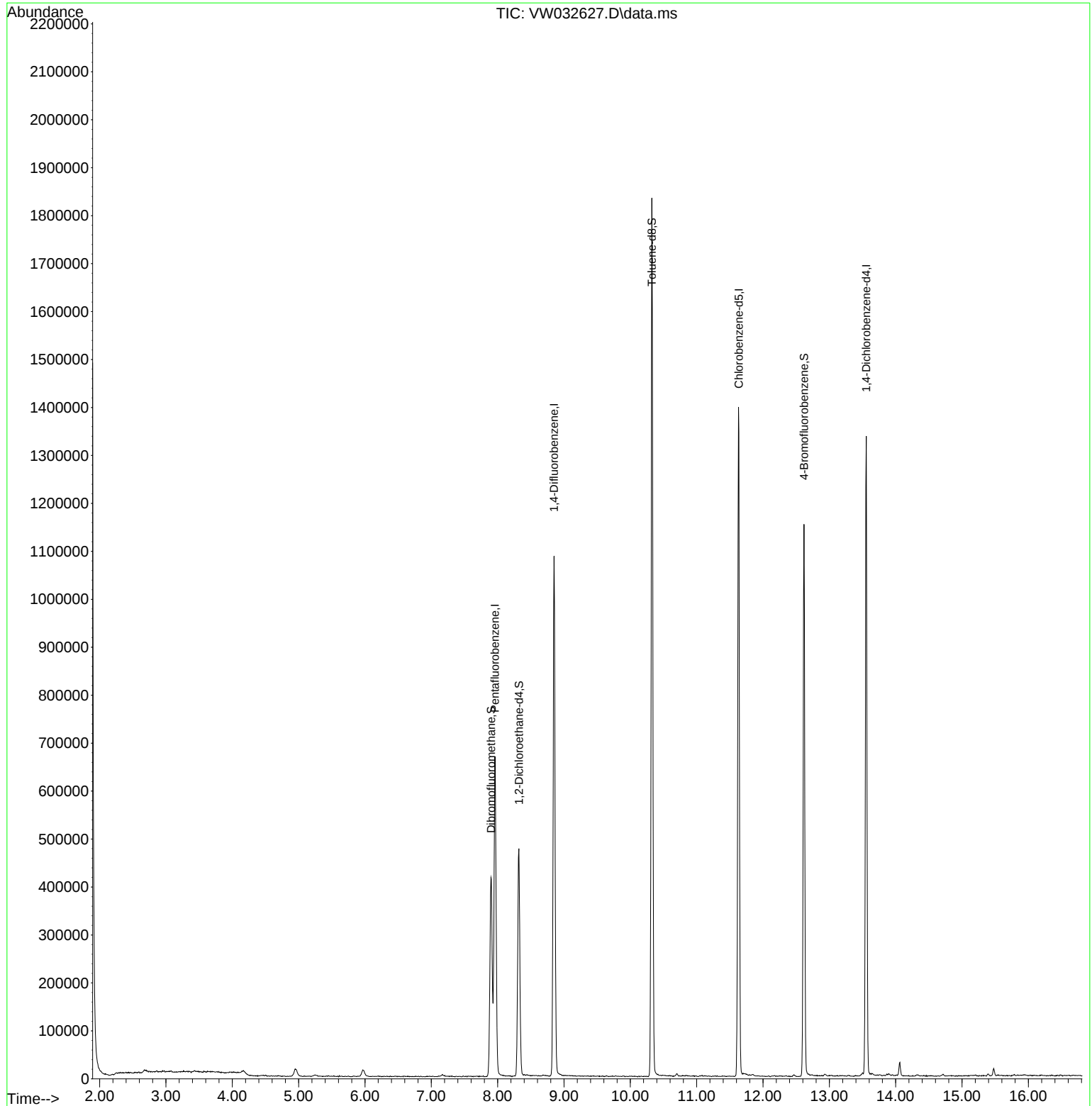
Target Compounds Qvalue

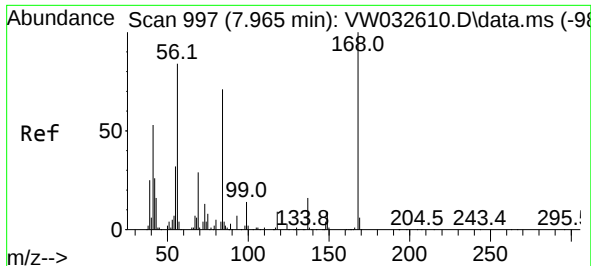
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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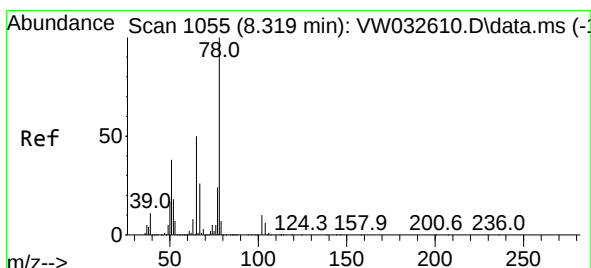
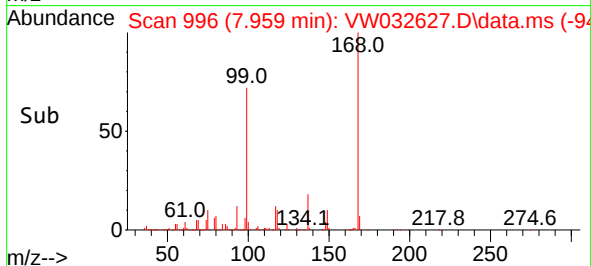
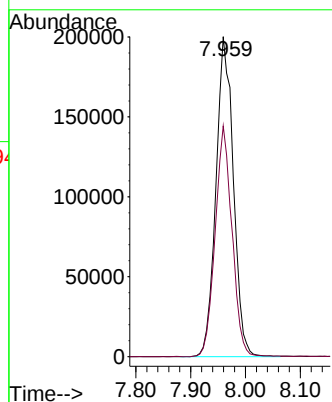
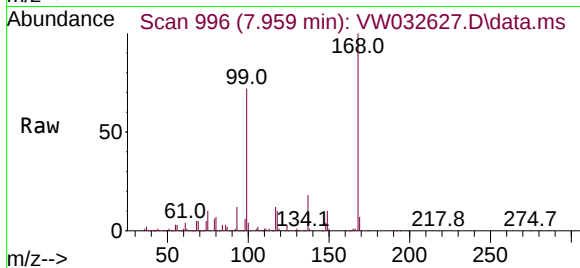




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032627.D
Acq: 11 Dec 2025 13:10

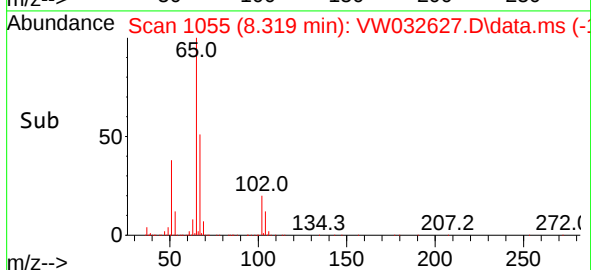
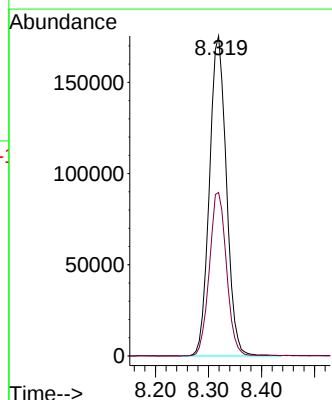
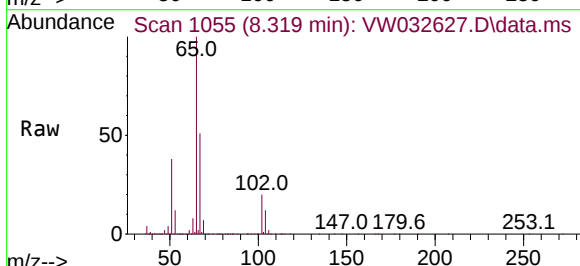
Instrument :
MSVOA_W
ClientSampleId :
TP-12

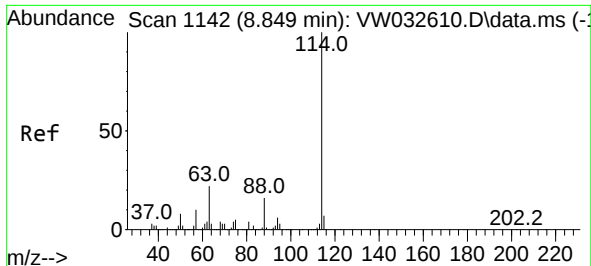
Tgt Ion:168 Resp: 441266
Ion Ratio Lower Upper
168 100
99 72.1 47.8 71.8#



#33
1,2-Dichloroethane-d4
Concen: 55.732 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032627.D
Acq: 11 Dec 2025 13:10

Tgt Ion: 65 Resp: 389605
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6

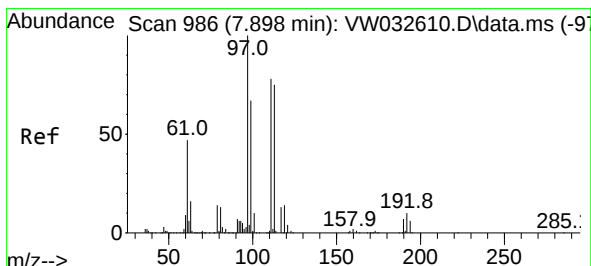
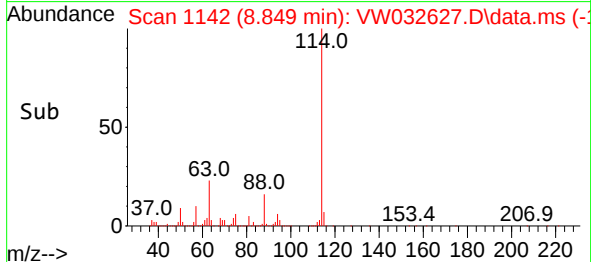
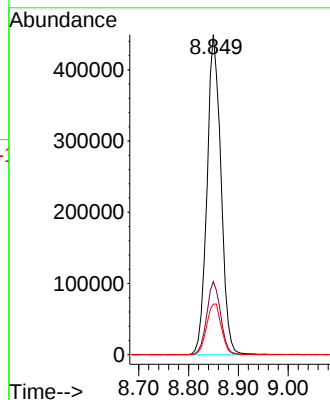
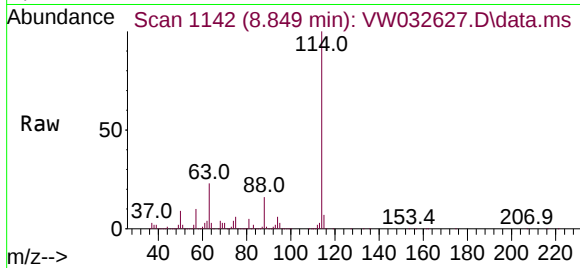




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032627.D
 Acq: 11 Dec 2025 13:10

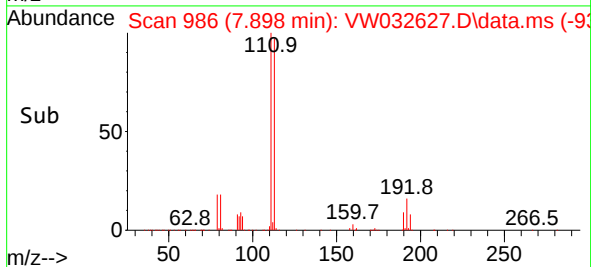
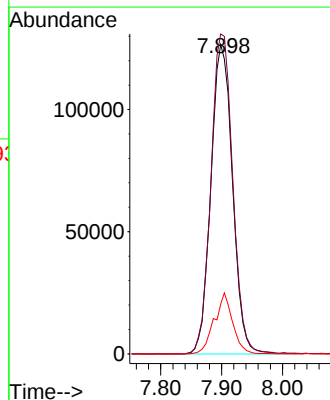
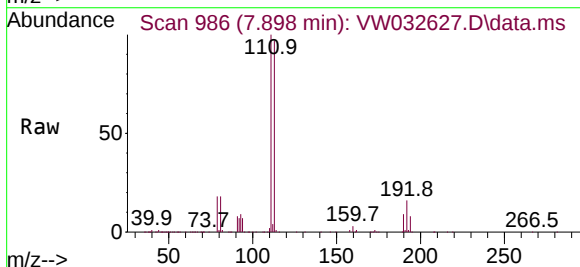
Instrument :
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 TP-12

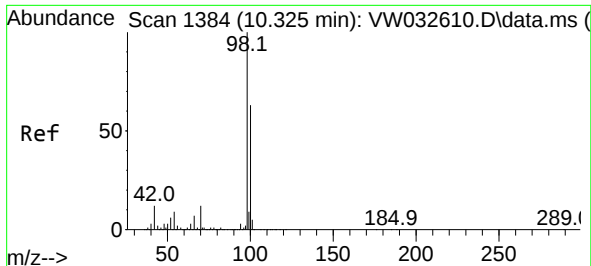
Tgt Ion:	114	Resp:	871578
Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.6
88	15.8	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 50.137 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: VW032627.D
 Acq: 11 Dec 2025 13:10

Tgt Ion:	113	Resp:	311503
Ion	Ratio	Lower	Upper
113	100		
111	104.6	85.2	127.8
192	16.9	13.3	19.9

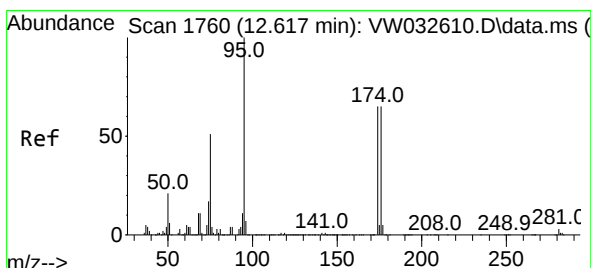
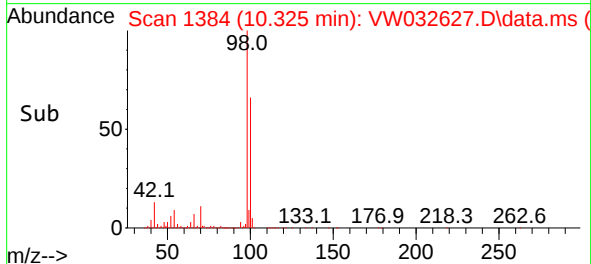
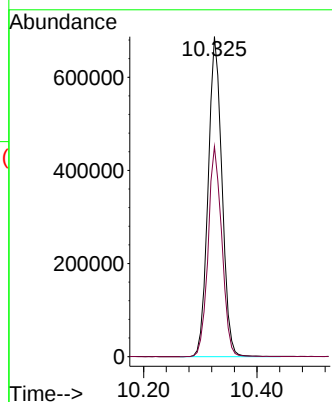
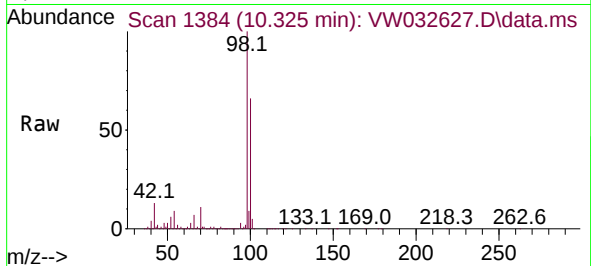




#50
Toluene-d8
Concen: 52.006 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032627.D
Acq: 11 Dec 2025 13:10

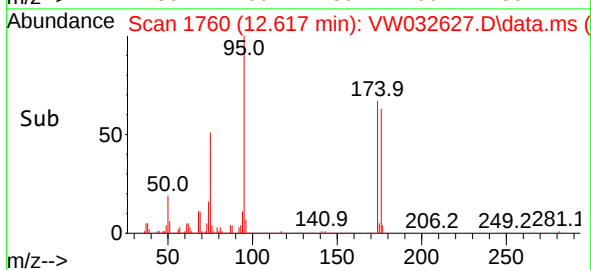
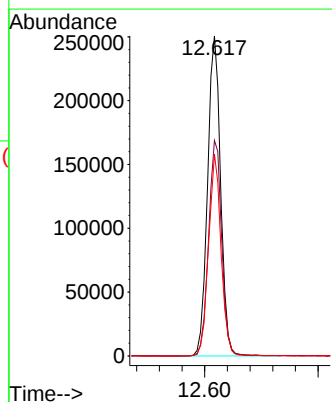
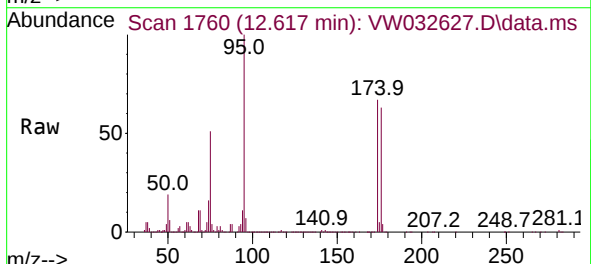
Instrument :
MSVOA_W
ClientSampleId :
TP-12

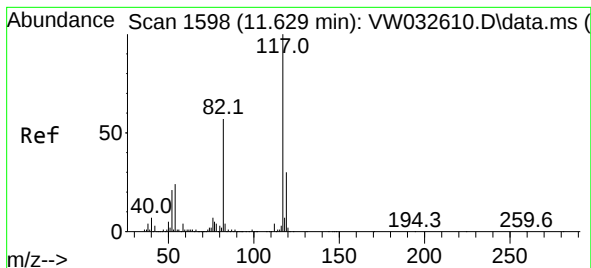
Tgt Ion: 98 Resp: 1163272
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.681 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032627.D
Acq: 11 Dec 2025 13:10

Tgt Ion: 95 Resp: 399780
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.0
176 60.5 0.0 123.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032627.D

Acq: 11 Dec 2025 13:10

Instrument :

MSVOA_W

ClientSampleId :

TP-12

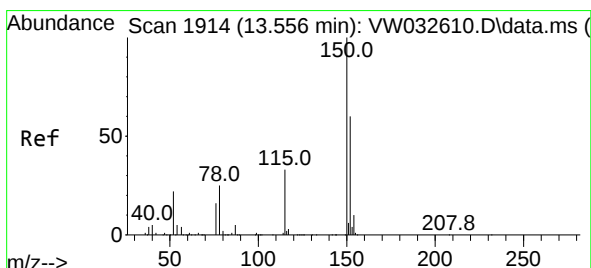
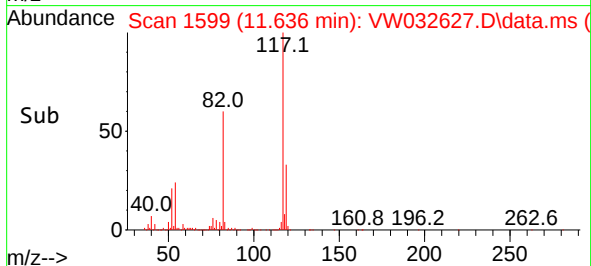
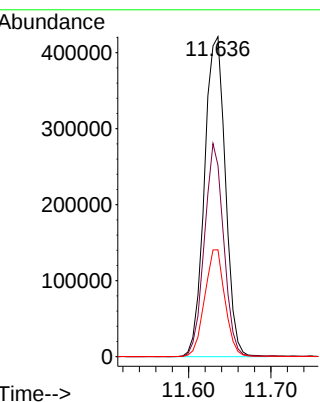
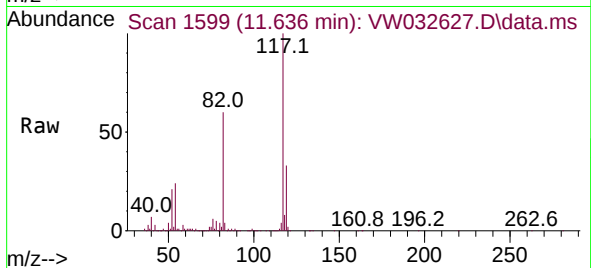
Tgt Ion:117 Resp: 744015

Ion Ratio Lower Upper

117 100

82 59.8 45.5 68.3

119 33.3 23.8 35.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032627.D

Acq: 11 Dec 2025 13:10

Tgt Ion:152 Resp: 327501

Ion Ratio Lower Upper

152 100

115 66.0 33.8 101.3

150 157.3 0.0 369.4

