

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032628.D
 Acq On : 11 Dec 2025 13:32
 Operator : SY/MD
 Sample : Q3814-13
 Misc : 4.19g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-10

Quant Time: Dec 12 00:43:29 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	7.965	168	470632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	923504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	773483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	329610	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	423926	56.789	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	113.580%
35) Dibromofluoromethane	7.898	113	335862	50.960	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.920%
50) Toluene-d8	10.325	98	1236203	52.159	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	104.320%
62) 4-Bromofluorobenzene	12.617	95	436231	50.133	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	100.260%

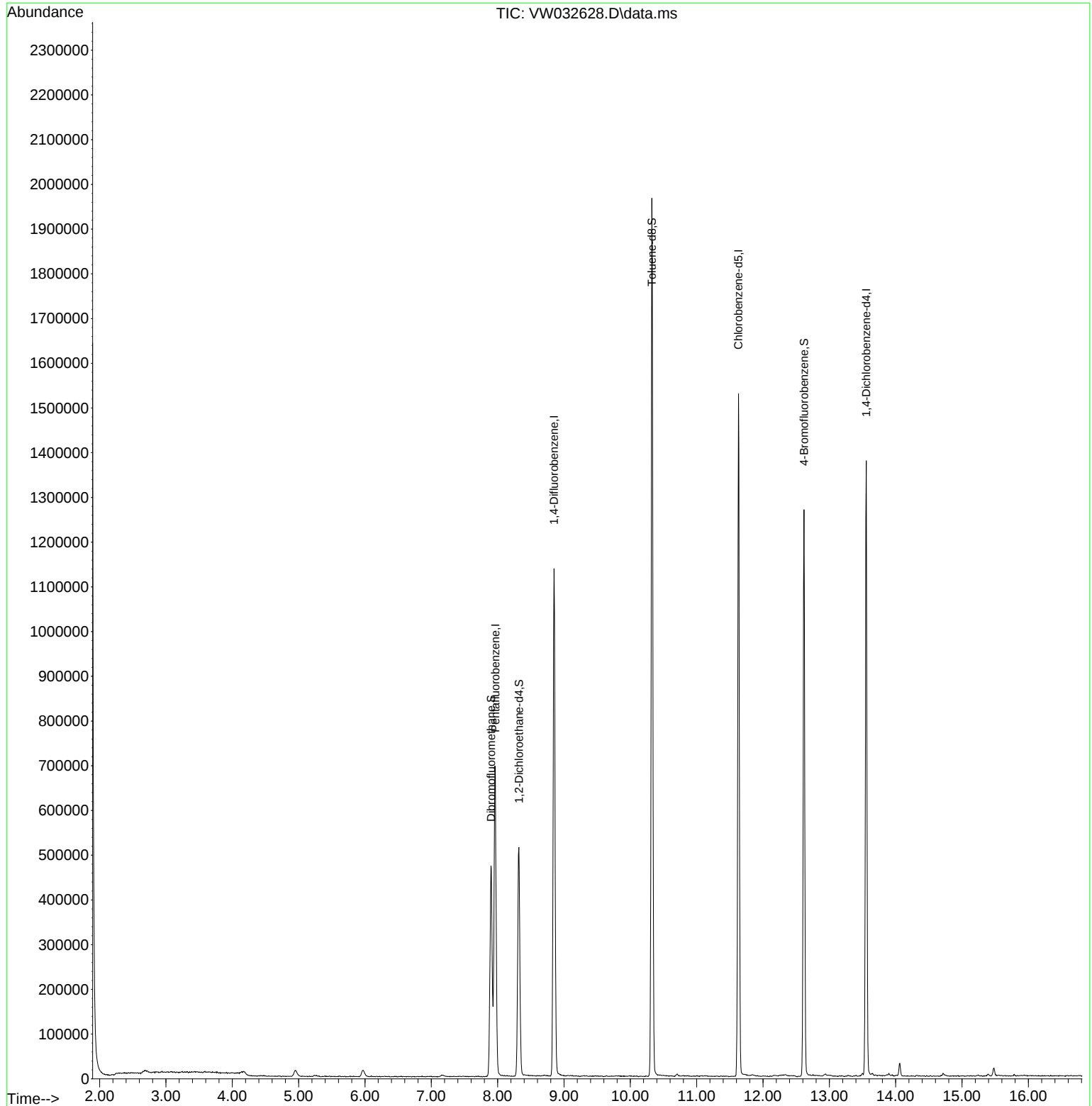
Target Compounds	Qvalue

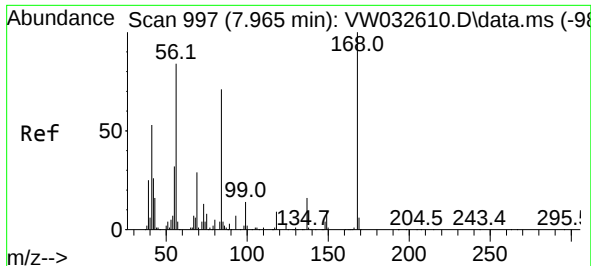
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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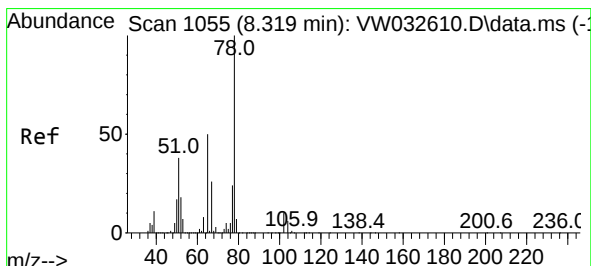
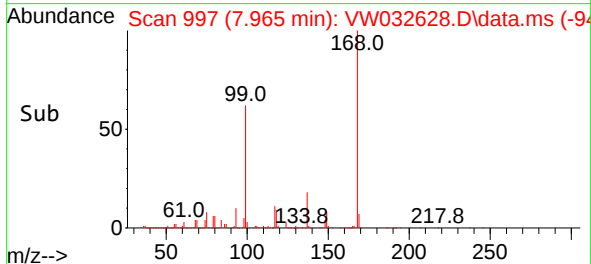
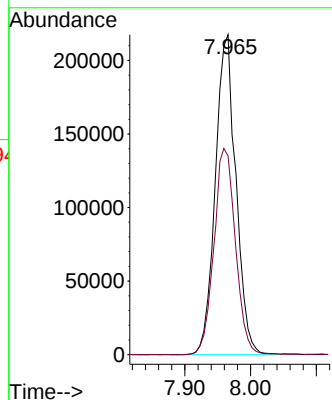
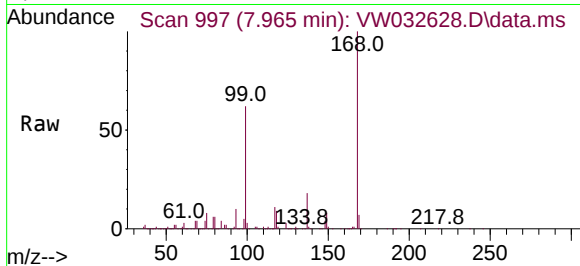




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032628.D
Acq: 11 Dec 2025 13:32

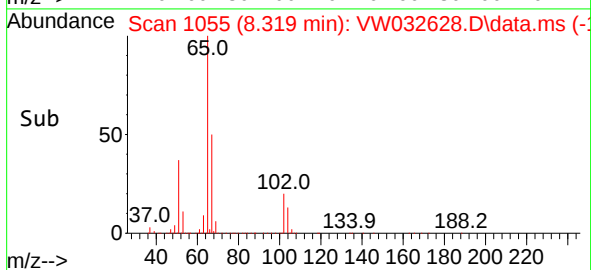
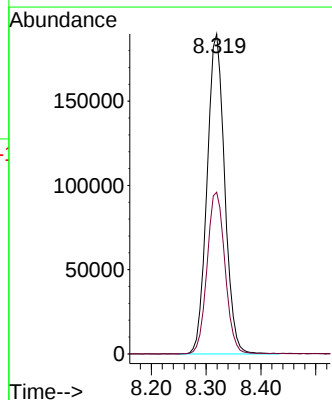
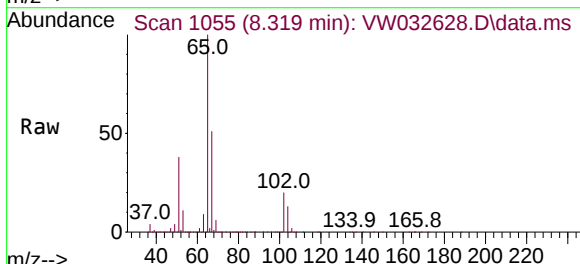
Instrument :
MSVOA_W
ClientSampleId :
TP-10

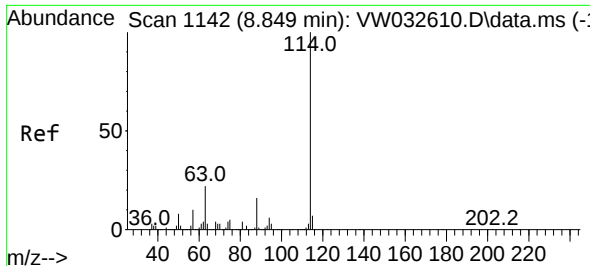
Tgt Ion:168 Resp: 470632
Ion Ratio Lower Upper
168 100
99 62.1 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 56.789 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032628.D
Acq: 11 Dec 2025 13:32

Tgt Ion: 65 Resp: 423926
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.6

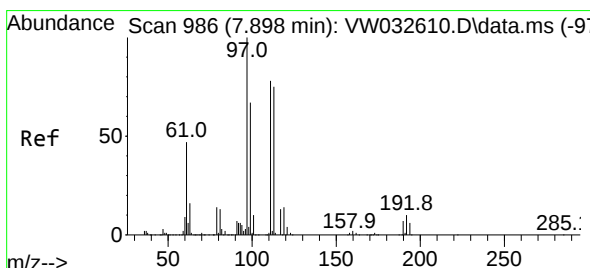
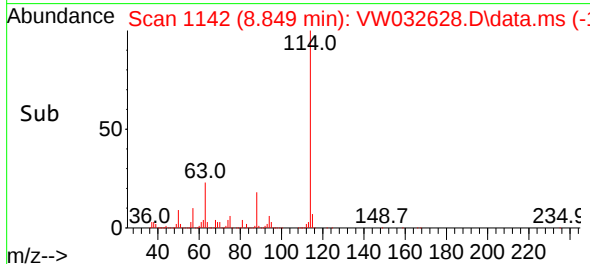
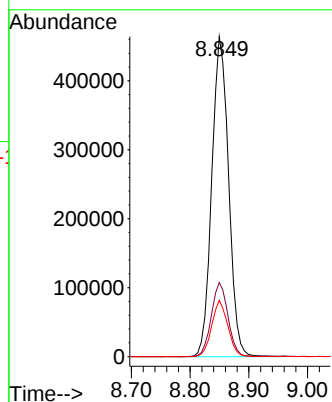
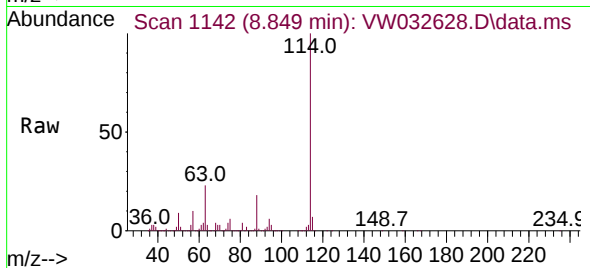




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032628.D
 Acq: 11 Dec 2025 13:32

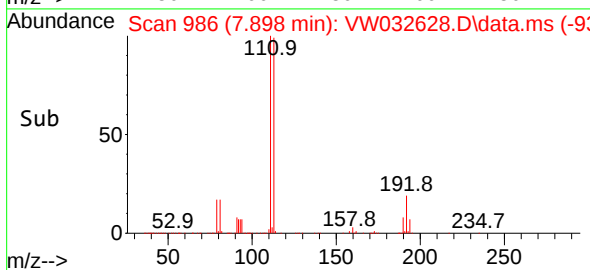
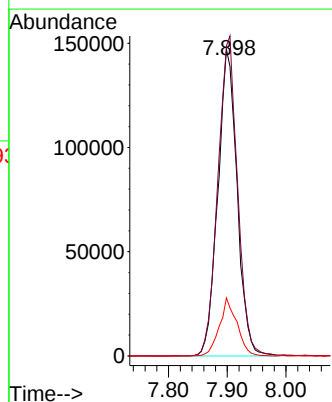
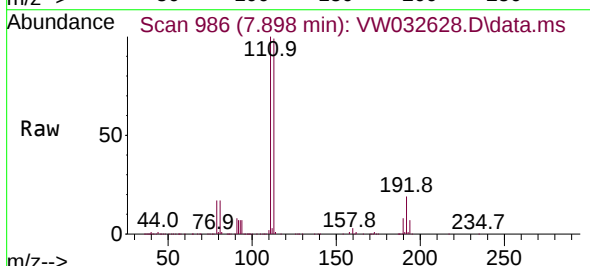
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-10

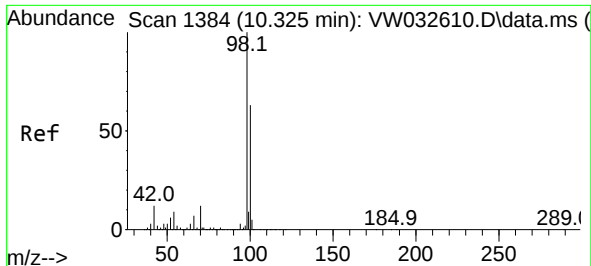
Tgt Ion:	114	Resp:	923504
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	44.6
88	17.6	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 50.960 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: VW032628.D
 Acq: 11 Dec 2025 13:32

Tgt Ion:	113	Resp:	335862
Ion	Ratio	Lower	Upper
113	100		
111	106.3	85.2	127.8
192	17.2	13.3	19.9

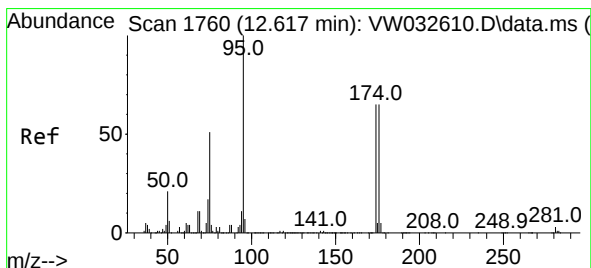
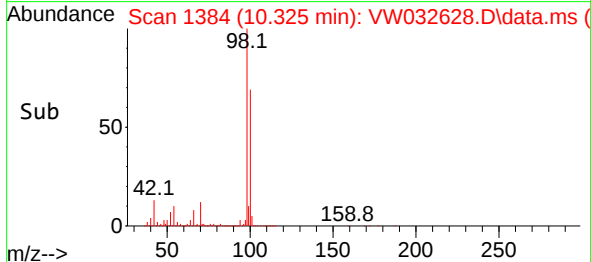
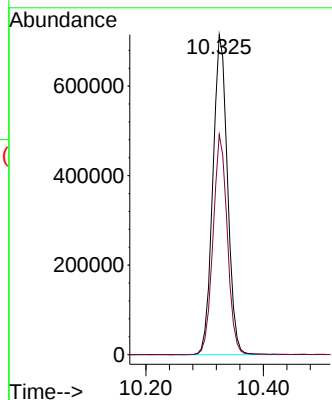
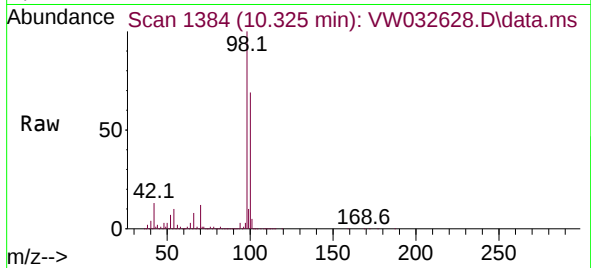




#50
Toluene-d8
Concen: 52.159 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032628.D
Acq: 11 Dec 2025 13:32

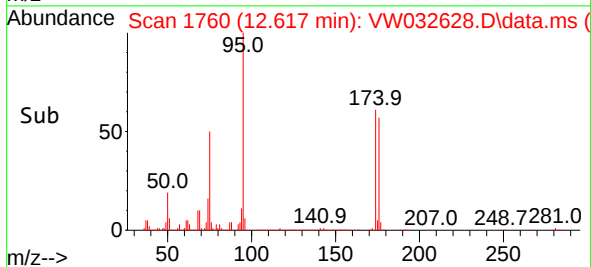
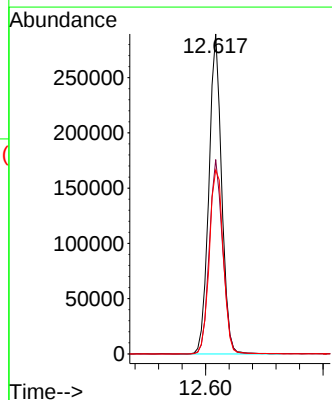
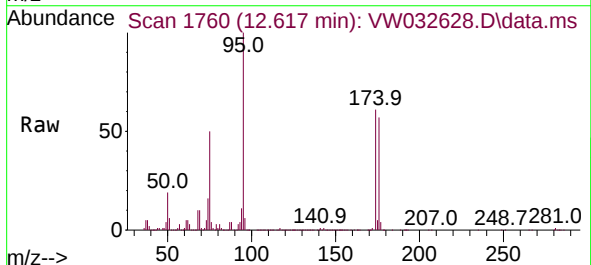
Instrument :
MSVOA_W
ClientSampleId :
TP-10

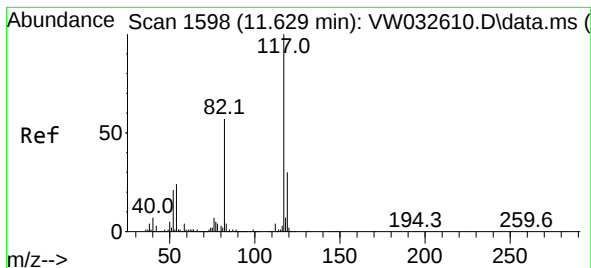
Tgt Ion: 98 Resp: 1236203
Ion Ratio Lower Upper
98 100
100 67.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 50.133 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032628.D
Acq: 11 Dec 2025 13:32

Tgt Ion: 95 Resp: 436231
Ion Ratio Lower Upper
95 100
174 63.7 0.0 135.0
176 62.9 0.0 123.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032628.D

Acq: 11 Dec 2025 13:32

Instrument :

MSVOA_W

ClientSampleId :

TP-10

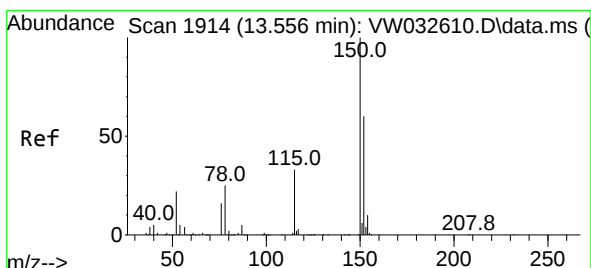
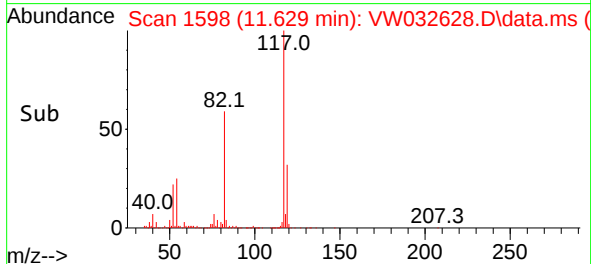
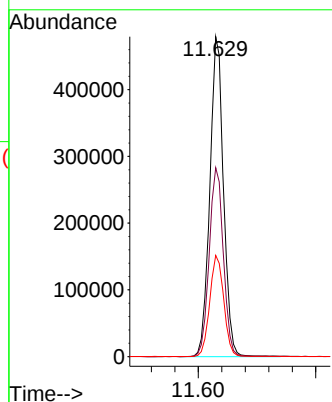
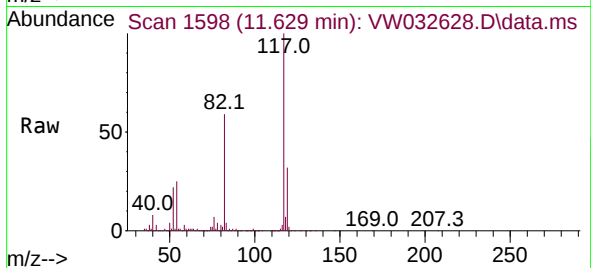
Tgt Ion:117 Resp: 773483

Ion Ratio Lower Upper

117 100

82 59.0 45.5 68.3

119 31.6 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: VW032628.D

Acq: 11 Dec 2025 13:32

Tgt Ion:152 Resp: 329610

Ion Ratio Lower Upper

152 100

115 66.4 33.8 101.3

150 158.0 0.0 369.4

