

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093025\
 Data File : VW032304.D
 Acq On : 30 Sep 2025 15:36
 Operator : SY/MD
 Sample : Q3253-01
 Misc : 5.76g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0009

Quant Time: Oct 01 00:54:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	178338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	392330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	435835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	221109	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177046	62.873	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	125.740%
35) Dibromofluoromethane	7.904	113	144613	51.254	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.500%
50) Toluene-d8	10.331	98	549001	53.989	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	107.980%
62) 4-Bromofluorobenzene	12.617	95	231989	60.482	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	120.960%

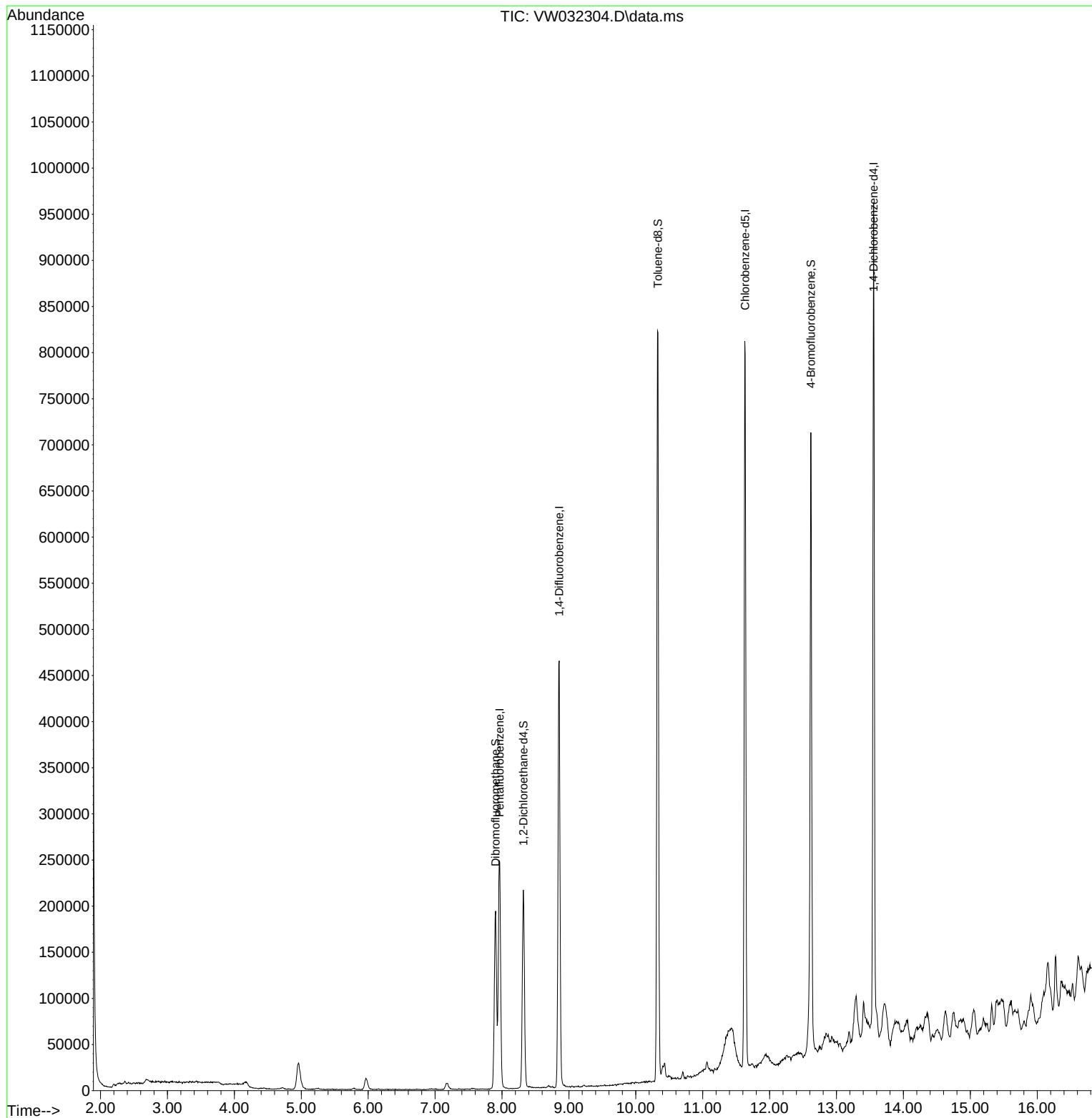
Target Compounds	Qvalue

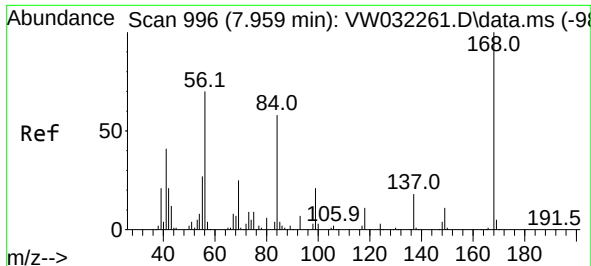
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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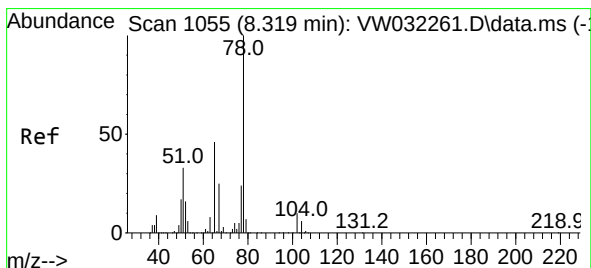
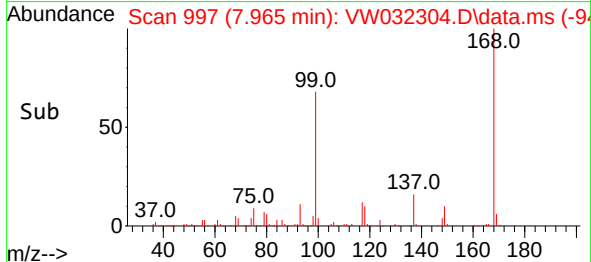
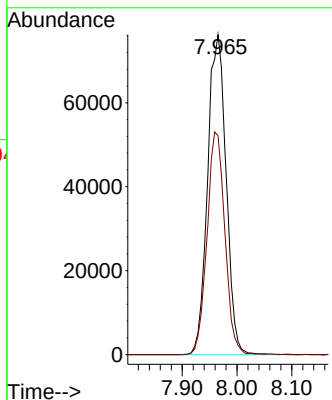
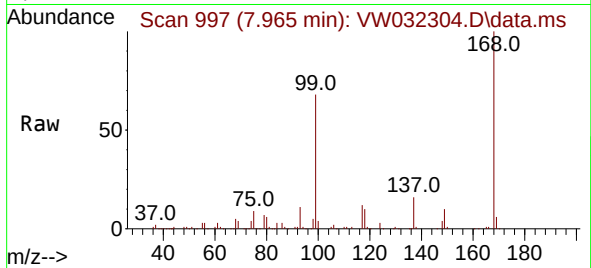




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032304.D
Acq: 30 Sep 2025 15:36

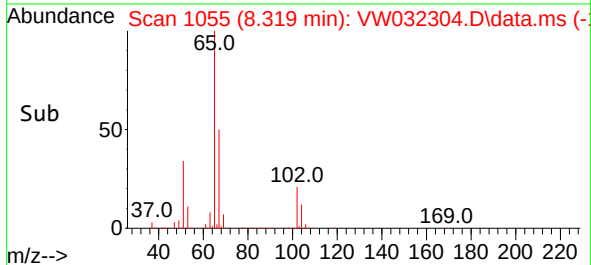
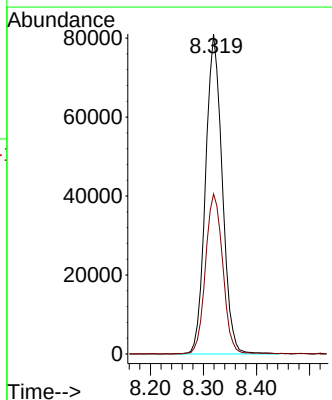
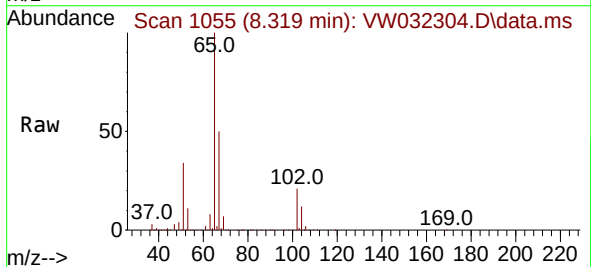
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009

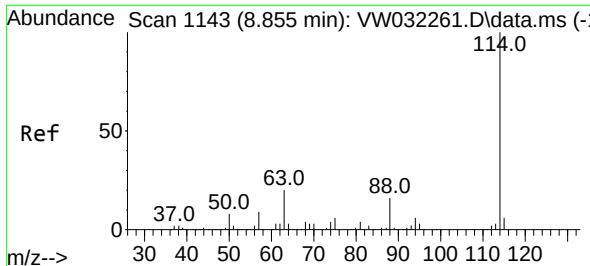
Tgt Ion:168 Resp: 178338
Ion Ratio Lower Upper
168 100
99 68.4 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 62.873 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032304.D
Acq: 30 Sep 2025 15:36

Tgt Ion: 65 Resp: 177046
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032304.D

Acq: 30 Sep 2025 15:36

Instrument :

MSVOA_W

ClientSampleId :

ARS20-0009

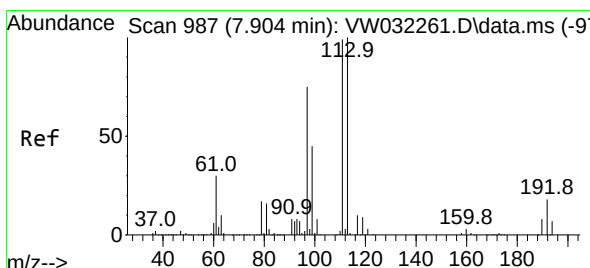
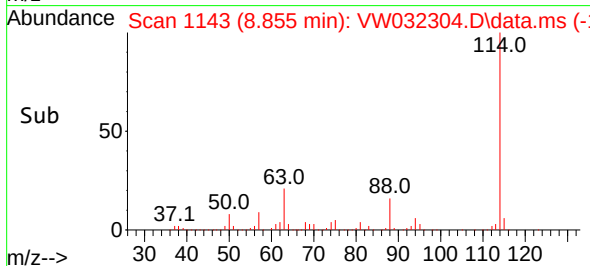
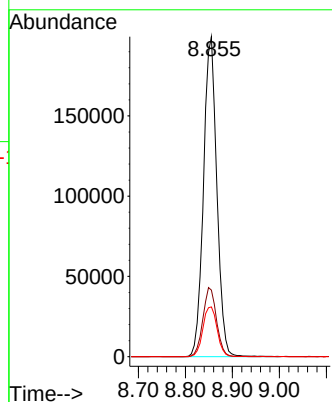
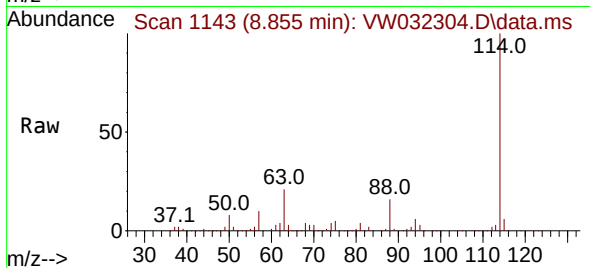
Tgt Ion:114 Resp: 392330

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.254 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032304.D

Acq: 30 Sep 2025 15:36

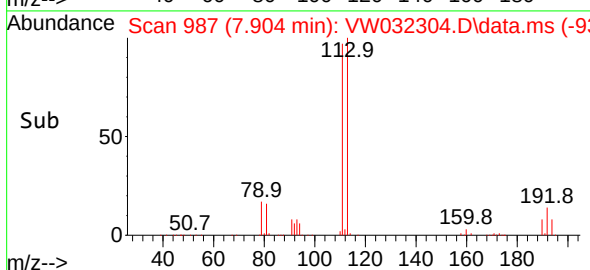
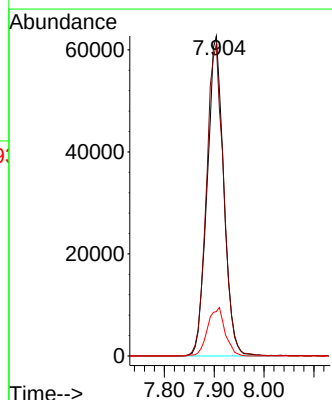
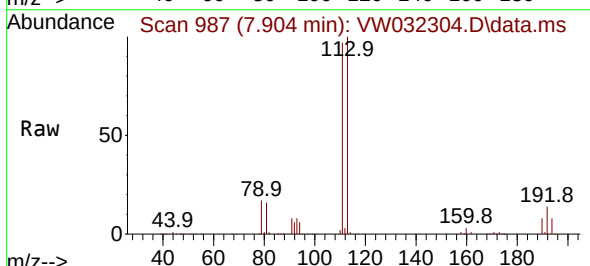
Tgt Ion:113 Resp: 144613

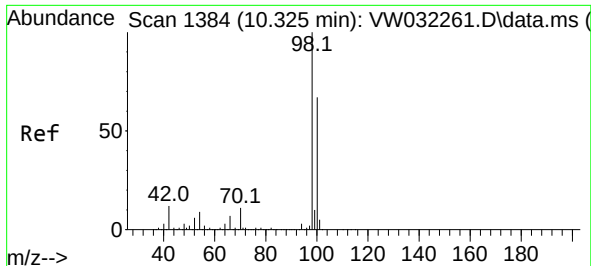
Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.8

192 15.9 13.0 19.4

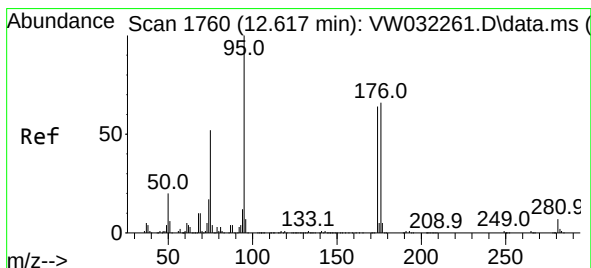
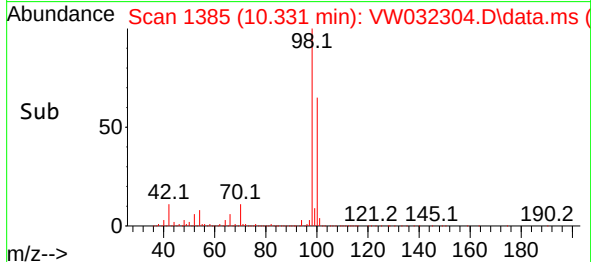
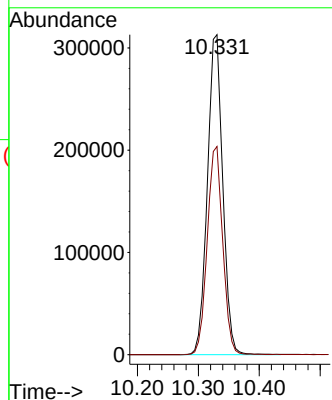
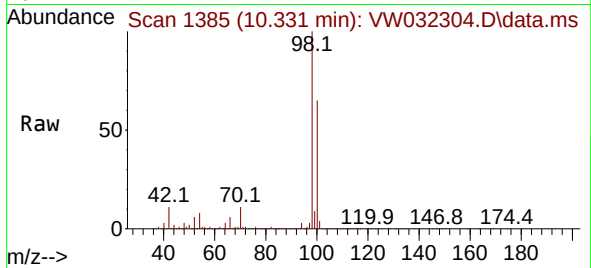




#50
Toluene-d8
Concen: 53.989 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032304.D
Acq: 30 Sep 2025 15:36

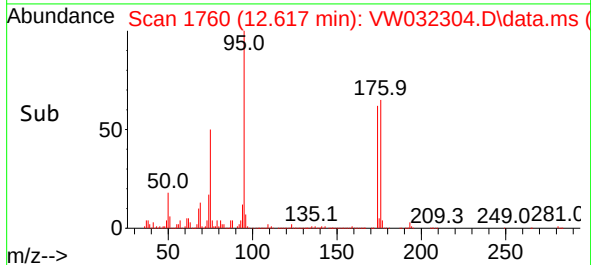
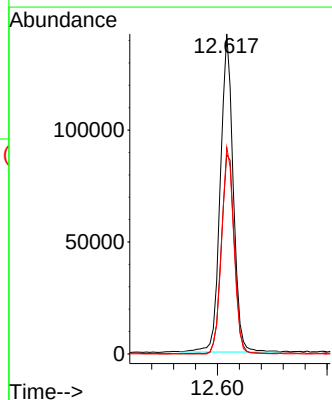
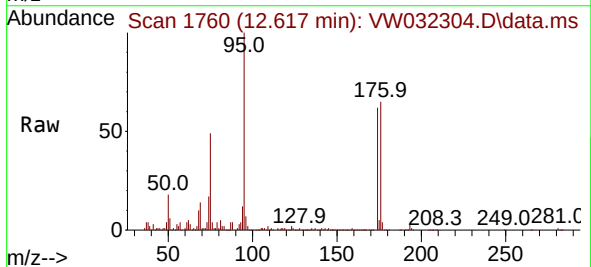
Instrument :
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ARS20-0009

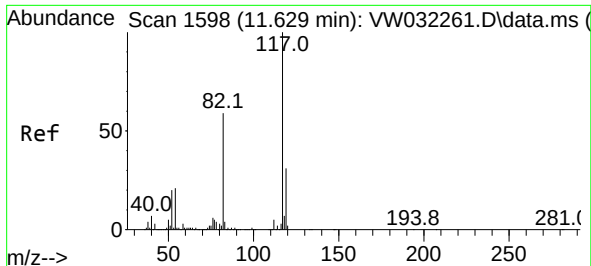
Tgt Ion: 98 Resp: 549001
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 60.482 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032304.D
Acq: 30 Sep 2025 15:36

Tgt Ion: 95 Resp: 231989
Ion Ratio Lower Upper
95 100
174 63.5 0.0 130.6
176 62.5 0.0 127.0

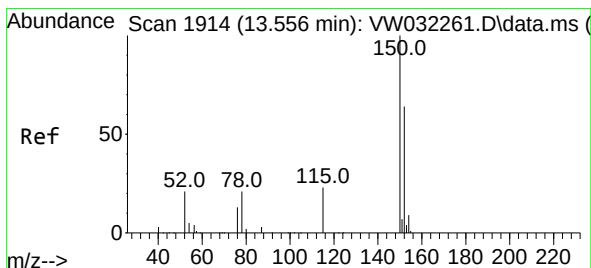
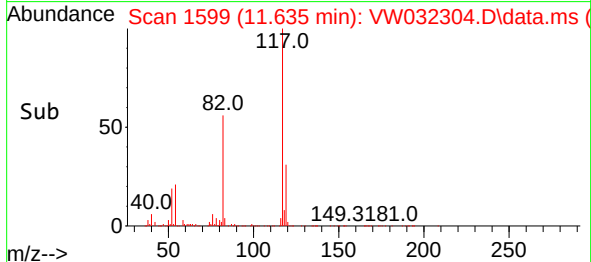
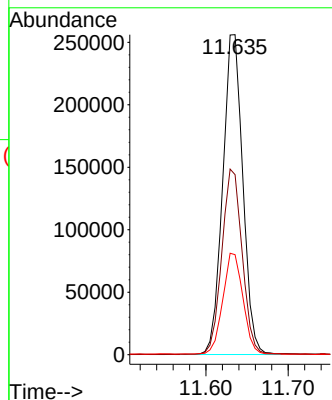
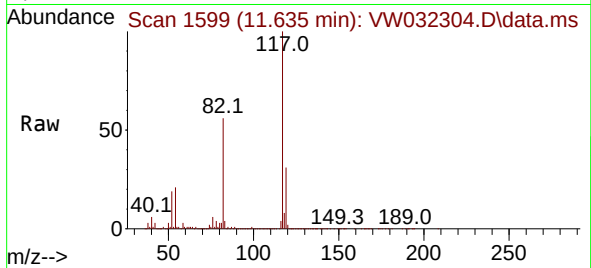




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032304.D
Acq: 30 Sep 2025 15:36

Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009

Tgt Ion:117 Resp: 435835
Ion Ratio Lower Upper
117 100
82 56.1 46.9 70.3
119 31.0 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032304.D
Acq: 30 Sep 2025 15:36

Tgt Ion:152 Resp: 221109
Ion Ratio Lower Upper
152 100
115 61.9 32.5 97.5
150 152.8 0.0 370.2

