

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032345.D
 Acq On : 03 Oct 2025 11:54
 Operator : SY/MD
 Sample : Q3271-01
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 72-11929

Quant Time: Oct 04 05:01:08 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	196390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	436456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	450014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	219840	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	192558	67.223	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	134.440%
35) Dibromofluoromethane	7.904	113	159299	56.358	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	112.720%
50) Toluene-d8	10.325	98	562790	53.948	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	107.900%
62) 4-Bromofluorobenzene	12.617	95	207981	52.747	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.500%

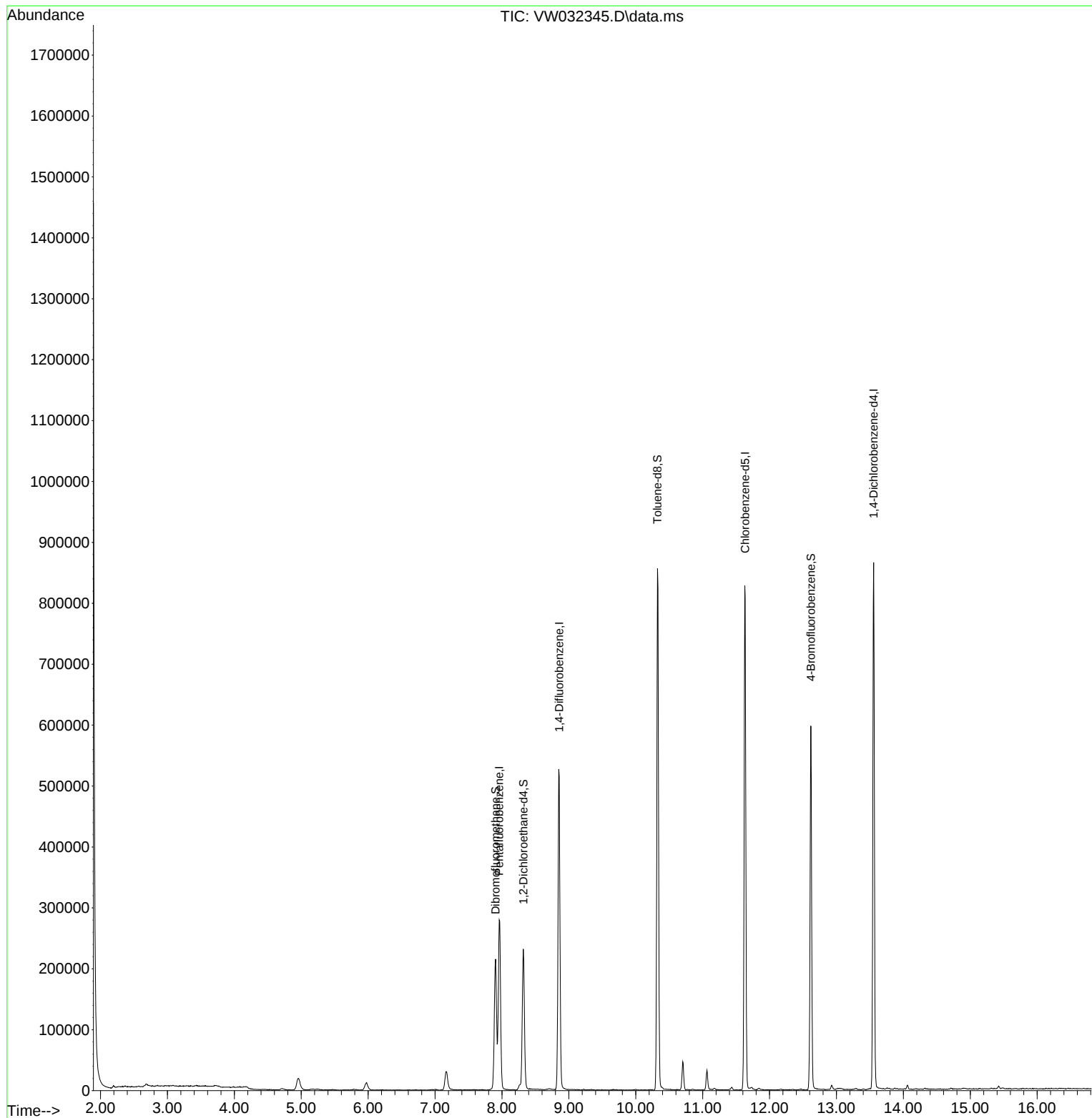
Target Compounds	Qvalue

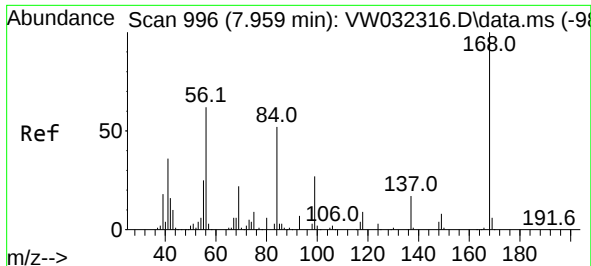
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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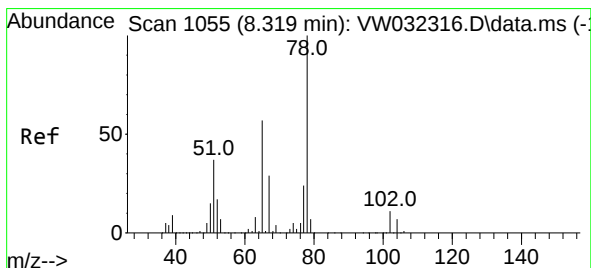
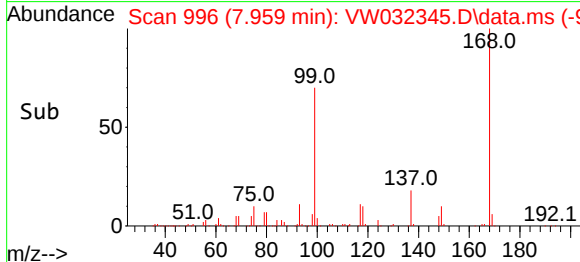
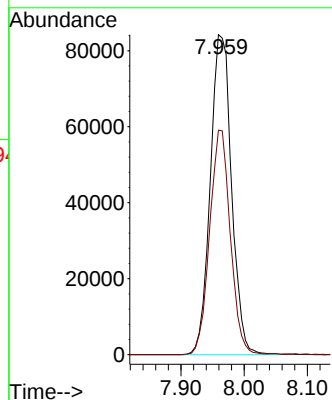
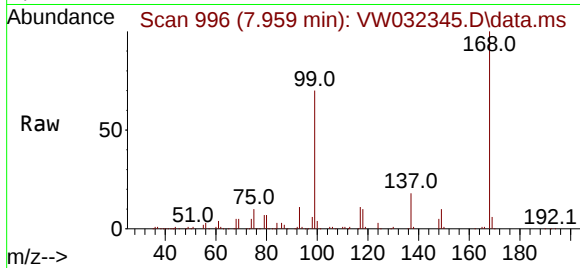




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

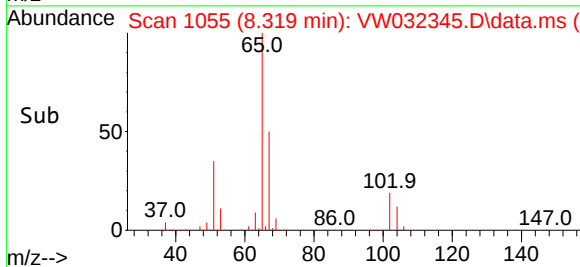
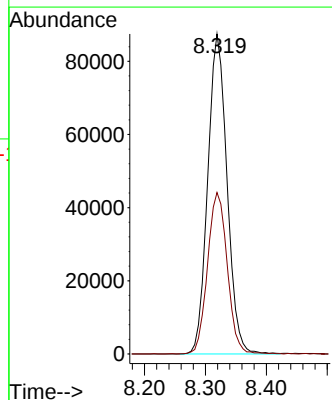
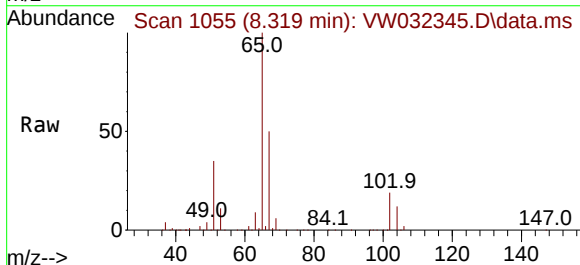
Instrument :
MSVOA_W
ClientSampleId :
72-11929

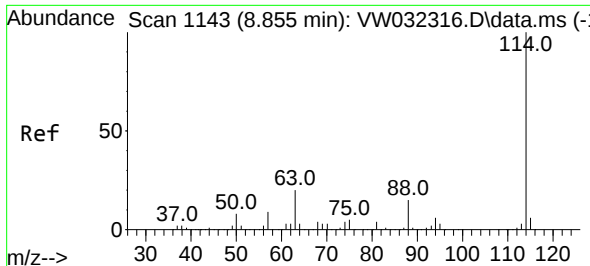
Tgt Ion:168 Resp: 196390
Ion Ratio Lower Upper
168 100
99 70.1 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 67.223 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Tgt Ion: 65 Resp: 192558
Ion Ratio Lower Upper
65 100
67 51.6 0.0 99.6

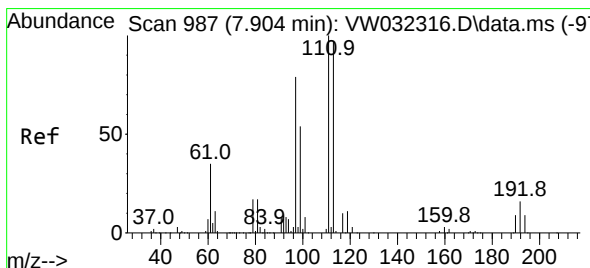
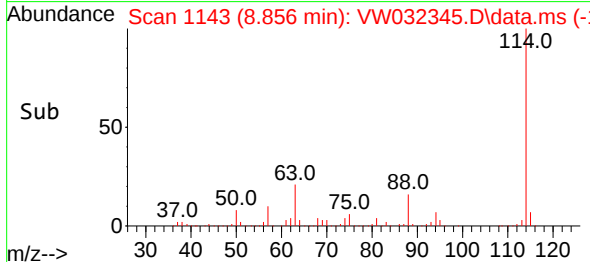
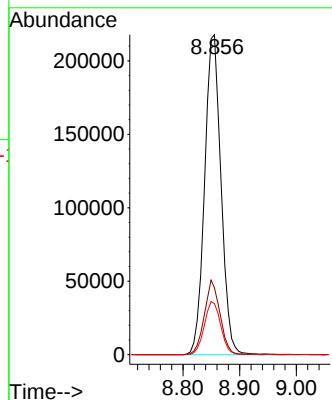
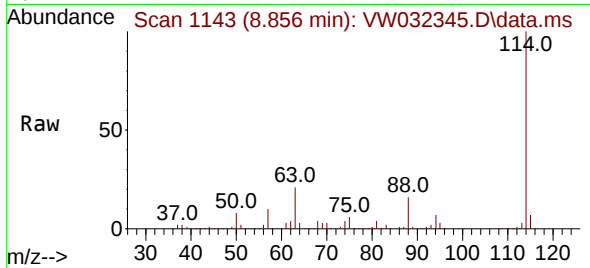




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

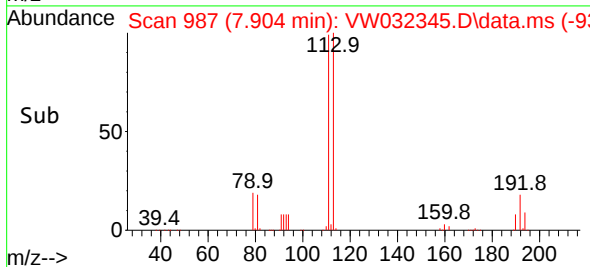
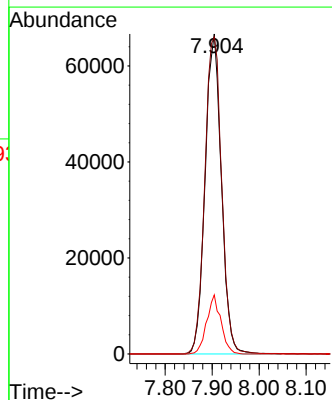
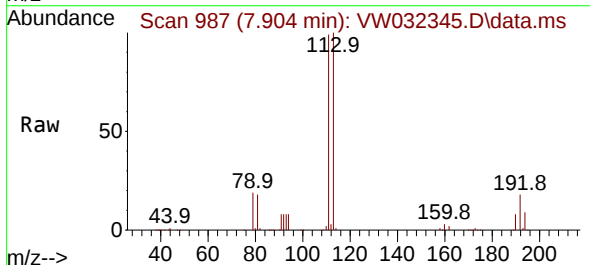
Instrument :
MSVOA_W
ClientSampleId :
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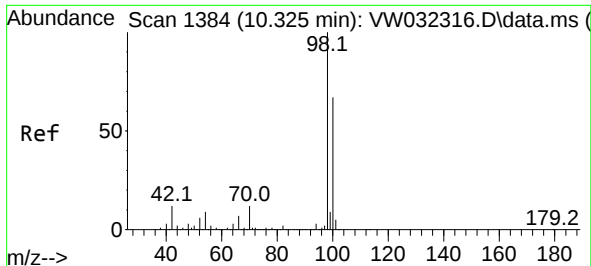
Tgt Ion:114 Resp: 436456
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.4
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 56.358 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Tgt Ion:113 Resp: 159299
Ion Ratio Lower Upper
113 100
111 103.0 83.9 125.9
192 16.2 14.6 21.8

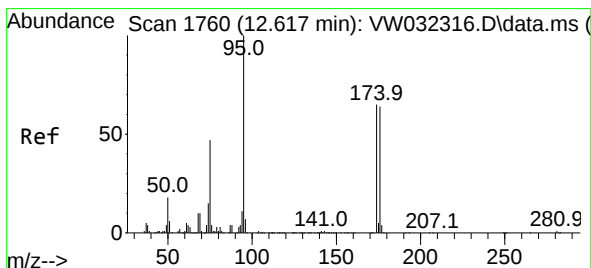
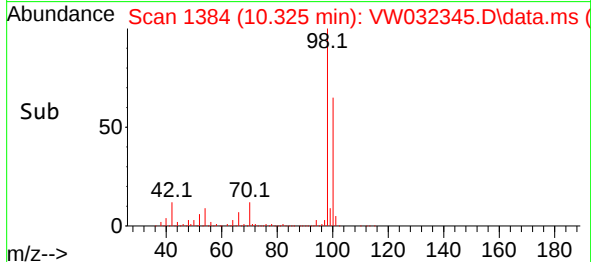
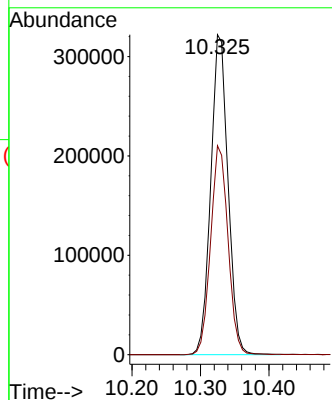
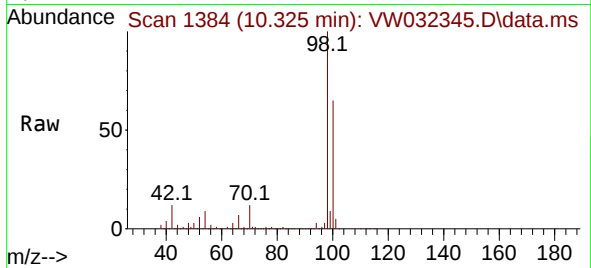




#50
Toluene-d8
Concen: 53.948 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

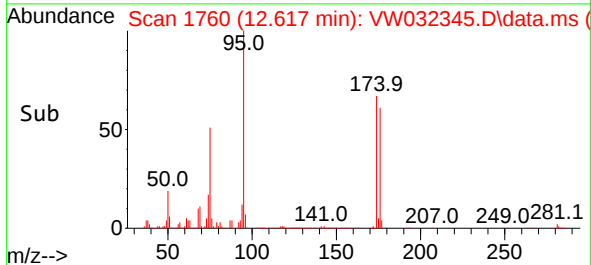
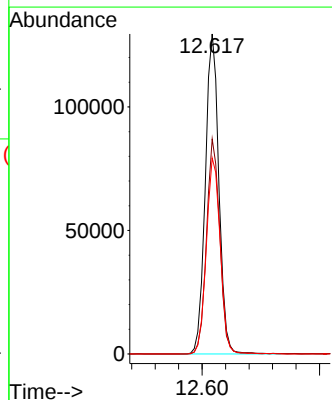
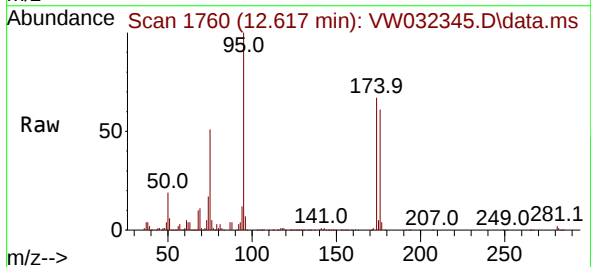
Instrument :
MSVOA_W
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72-11929

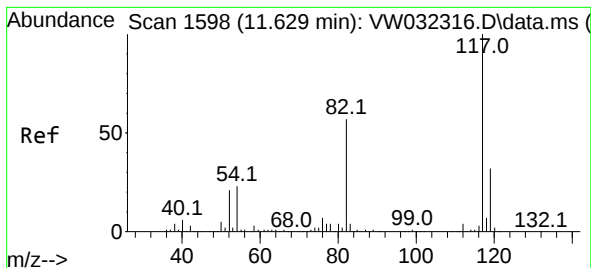
Tgt Ion: 98 Resp: 562790
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 52.747 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Tgt Ion: 95 Resp: 207981
Ion Ratio Lower Upper
95 100
174 65.8 0.0 145.6
176 62.6 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032345.D

Acq: 03 Oct 2025 11:54

Instrument :

MSVOA_W

ClientSampleId :

72-11929

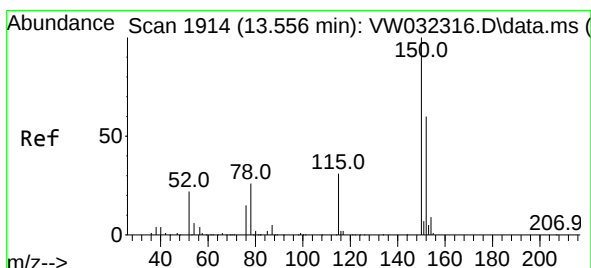
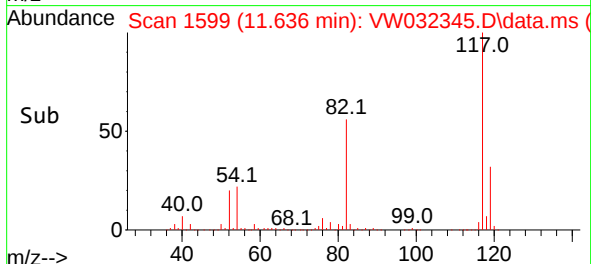
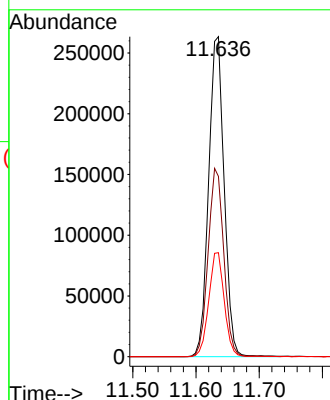
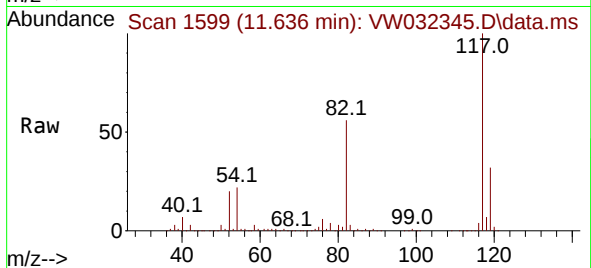
Tgt Ion:117 Resp: 450014

Ion Ratio Lower Upper

117 100

82 56.3 42.7 64.1

119 32.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032345.D

Acq: 03 Oct 2025 11:54

Tgt Ion:152 Resp: 219840

Ion Ratio Lower Upper

152 100

115 64.5 31.8 95.4

150 157.4 0.0 343.0

