

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032379.D
 Acq On : 20 Oct 2025 11:11
 Operator : SY/MD
 Sample : VW1020SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1020SBL01

Quant Time: Oct 21 01:23:29 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	172114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	392797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	400571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	188560	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164963	65.712	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	131.420%
35) Dibromofluoromethane	7.898	113	148107	58.223	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	116.440%
50) Toluene-d8	10.325	98	512060	54.541	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	109.080%
62) 4-Bromofluorobenzene	12.617	95	183742	51.779	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	103.560%

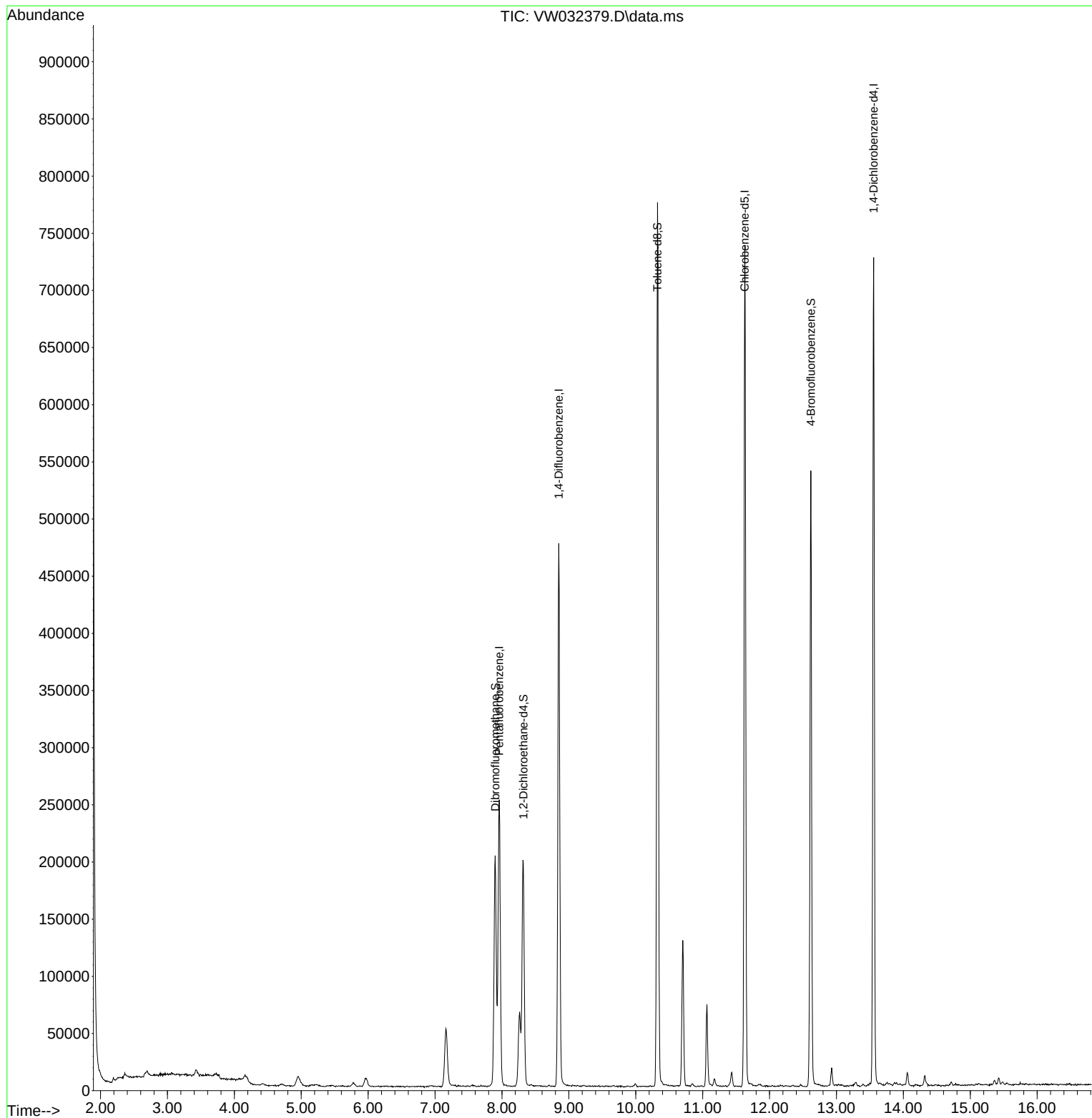
Target Compounds	Qvalue

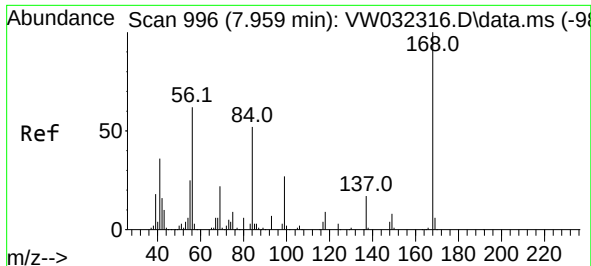
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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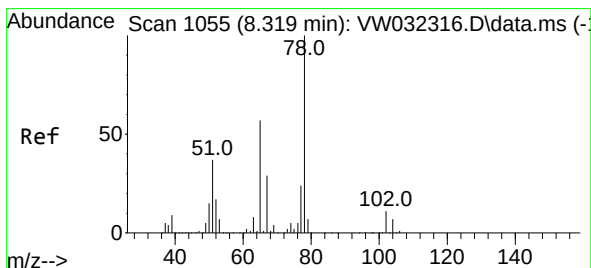
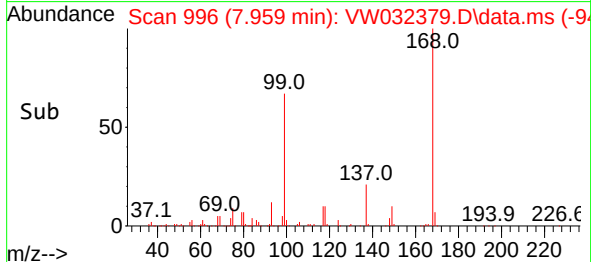
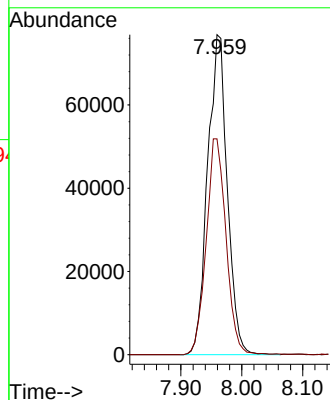
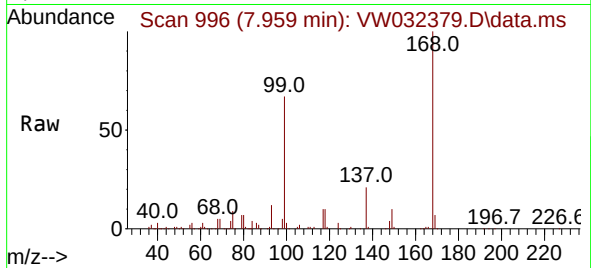




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

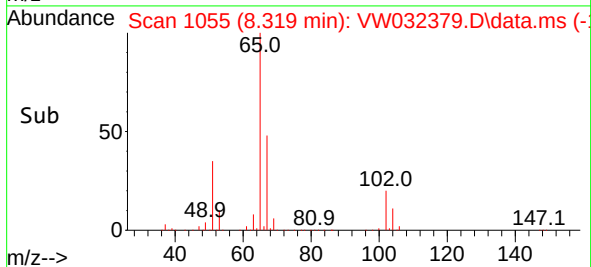
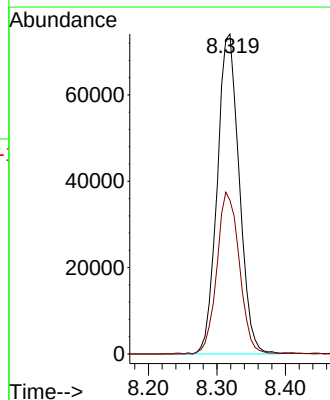
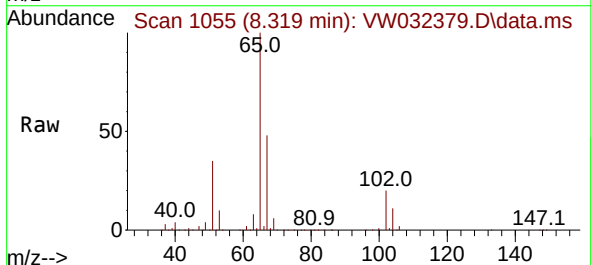
Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

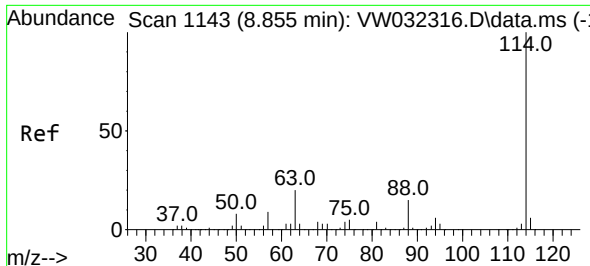
Tgt Ion:168 Resp: 172114
Ion Ratio Lower Upper
168 100
99 67.4 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 65.712 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Tgt Ion: 65 Resp: 164963
Ion Ratio Lower Upper
65 100
67 51.7 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032379.D

Acq: 20 Oct 2025 11:11

Instrument :

MSVOA_W

ClientSampleId :

VW1020SBL01

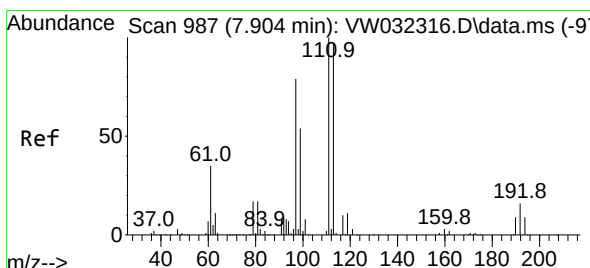
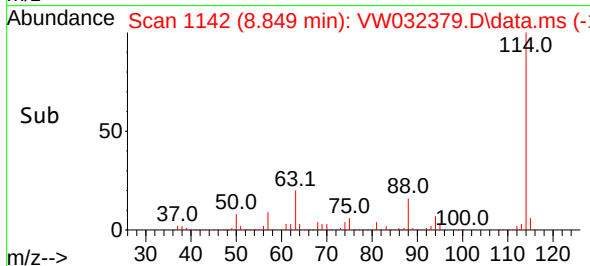
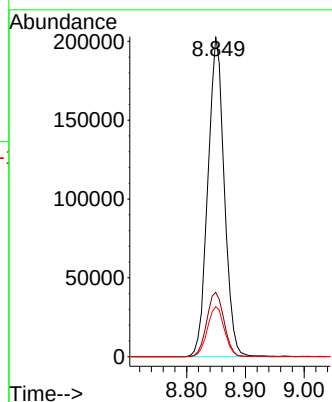
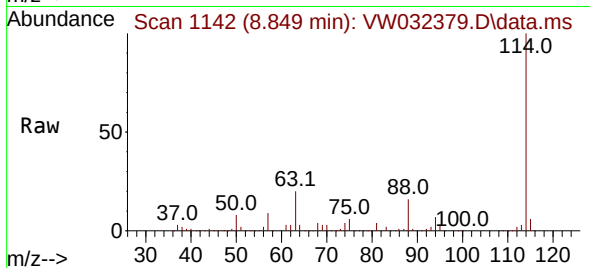
Tgt Ion:114 Resp: 392797

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 58.223 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032379.D

Acq: 20 Oct 2025 11:11

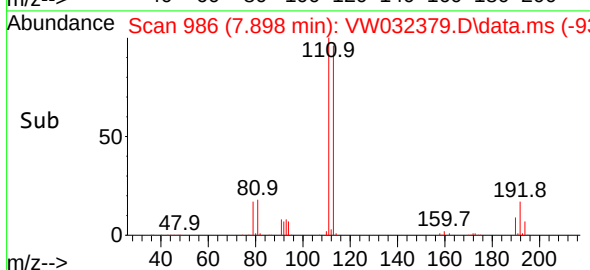
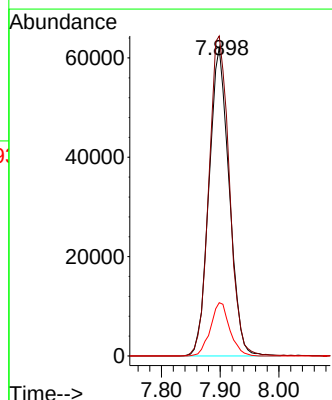
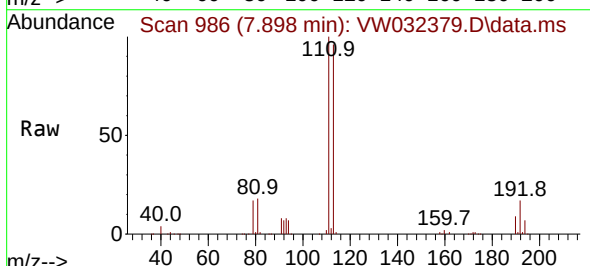
Tgt Ion:113 Resp: 148107

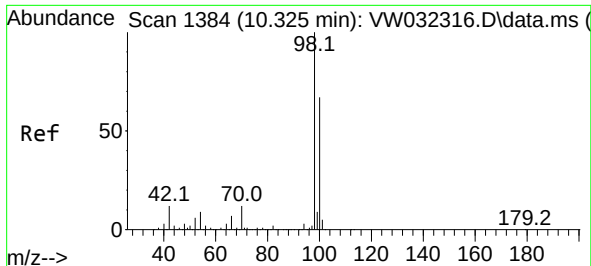
Ion Ratio Lower Upper

113 100

111 105.1 83.9 125.9

192 16.6 14.6 21.8

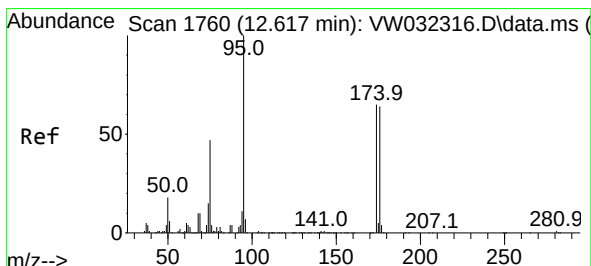
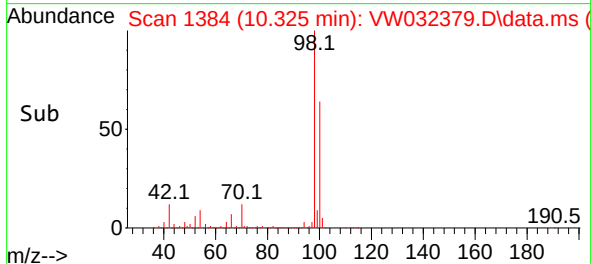
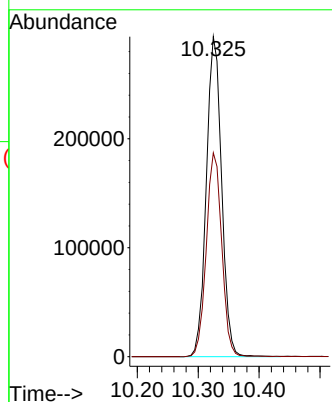
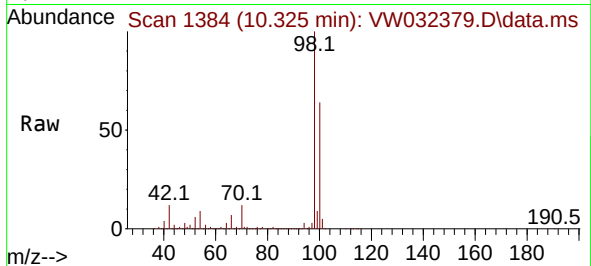




#50
Toluene-d8
Concen: 54.541 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

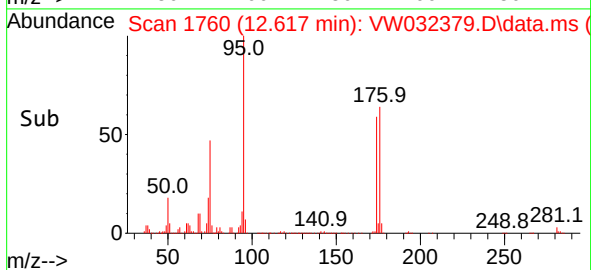
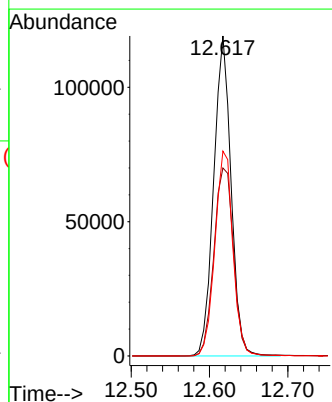
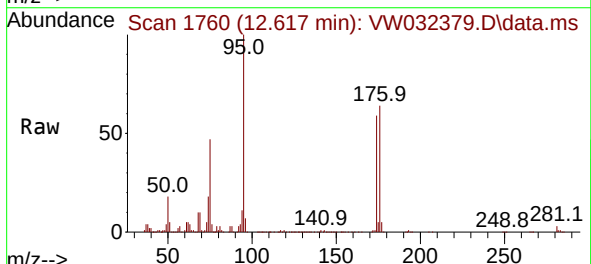
Instrument :
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VW1020SBL01

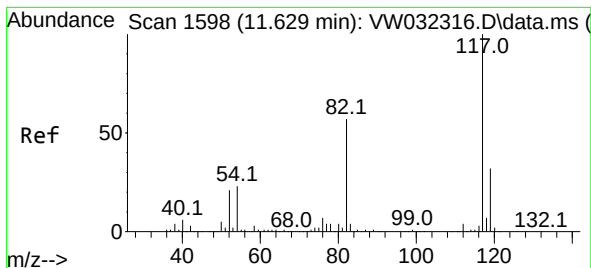
Tgt Ion: 98 Resp: 512060
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 51.779 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Tgt Ion: 95 Resp: 183742
Ion Ratio Lower Upper
95 100
174 66.6 0.0 145.6
176 66.5 0.0 140.8

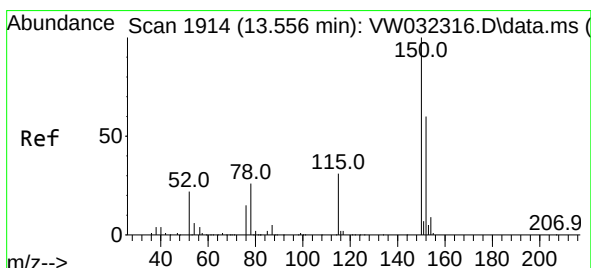
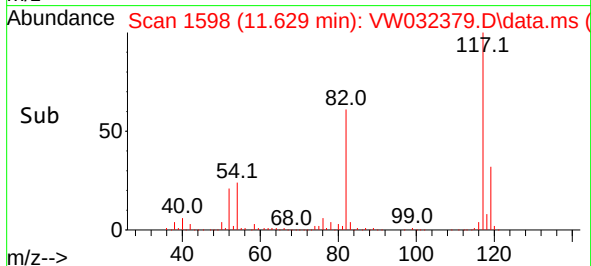
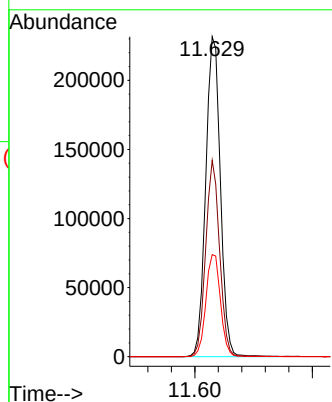
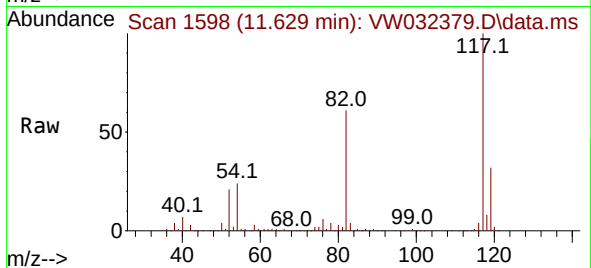




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Tgt Ion:117 Resp: 400571
Ion Ratio Lower Upper
117 100
82 61.4 42.7 64.1
119 31.9 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: VW032379.D
Acq: 20 Oct 2025 11:11

Tgt Ion:152 Resp: 188560
Ion Ratio Lower Upper
152 100
115 61.8 31.8 95.4
150 153.1 0.0 343.0

