

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032497.D
 Acq On : 19 Nov 2025 13:14
 Operator : SY/MD
 Sample : Q3649-04
 Misc : 6.21g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUPE-0.5-1.0-20251114

Quant Time: Nov 20 01:18:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

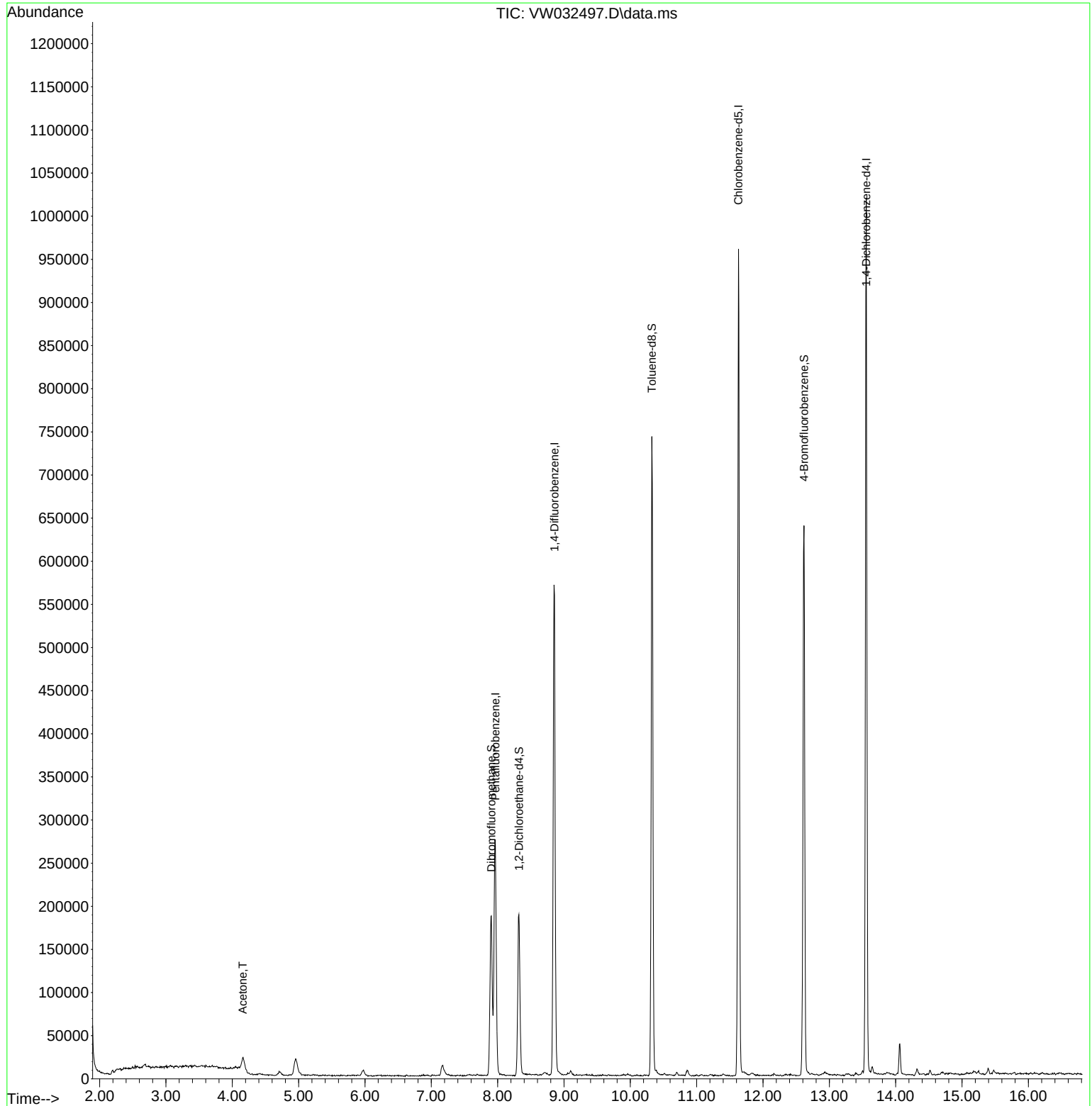
Internal Standards						
1) Pentafluorobenzene	7.965	168	197627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	485828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	516048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	249401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	153222	60.137	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.280%		
35) Dibromofluoromethane	7.904	113	141253	48.561	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 97.120%		
50) Toluene-d8	10.325	98	494342	44.300	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 88.600%		
62) 4-Bromofluorobenzene	12.617	95	216521	51.364	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 102.720%		
Target Compounds						
16) Acetone	4.155	43	24175	31.715	ug/l	Qvalue 99

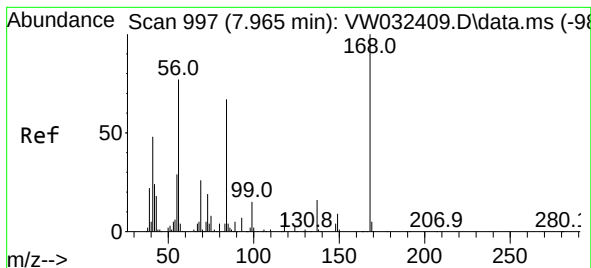
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

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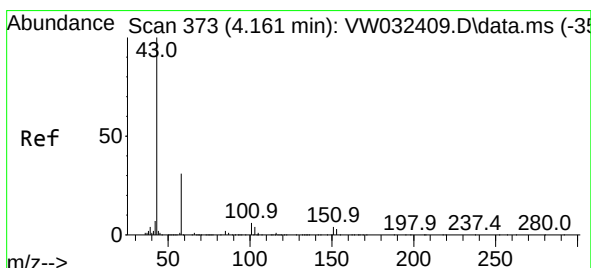
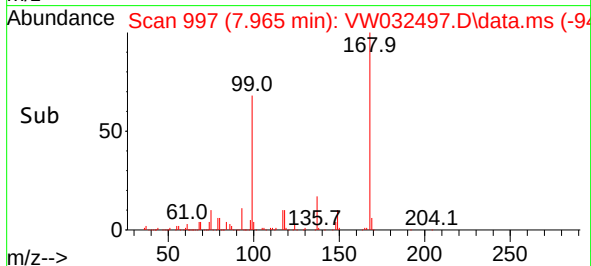
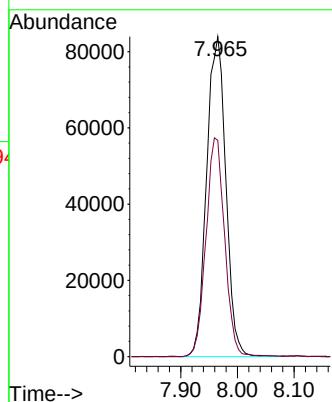
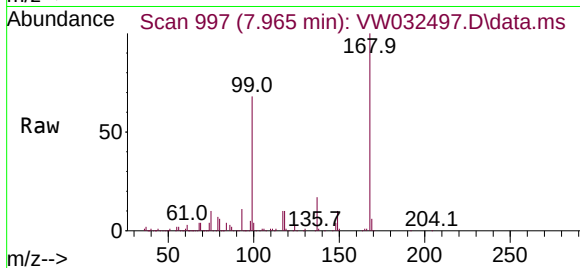
DUPE-0.5-1.0-20251114

Tgt Ion:168 Resp: 197627

Ion Ratio Lower Upper

168 100

99 67.6 45.4 68.2



#16

Acetone

Concen: 31.715 ug/l

RT: 4.155 min Scan# 372

Delta R.T. -0.006 min

Lab File: VW032497.D

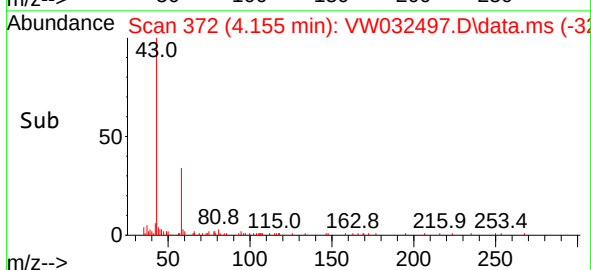
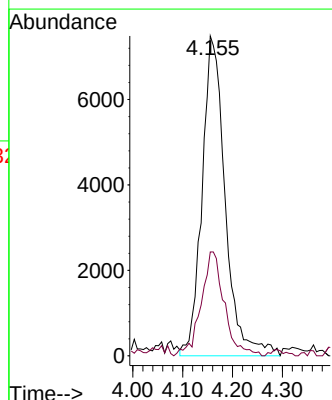
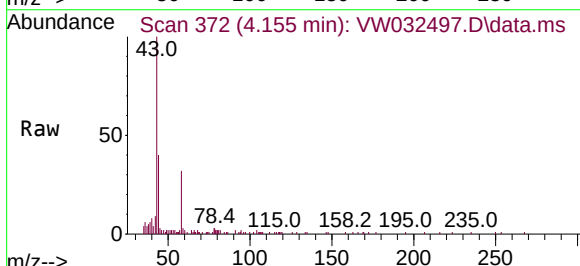
Acq: 19 Nov 2025 13:14

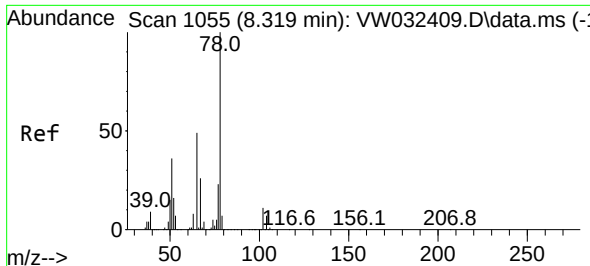
Tgt Ion: 43 Resp: 24175

Ion Ratio Lower Upper

43 100

58 30.3 24.8 37.2





#33

1,2-Dichloroethane-d4

Concen: 60.137 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032497.D

Acq: 19 Nov 2025 13:14

Instrument :

MSVOA_W

ClientSampleId :

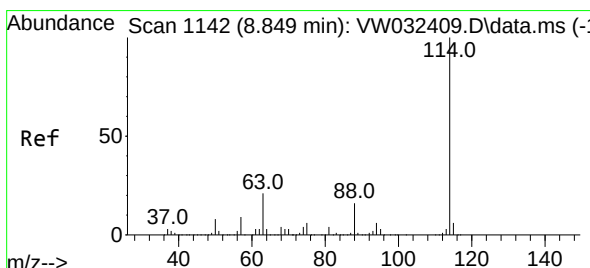
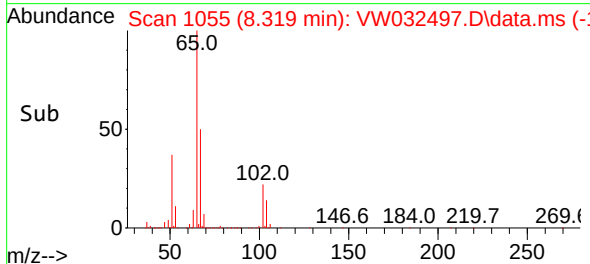
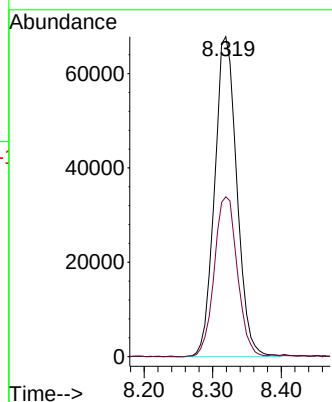
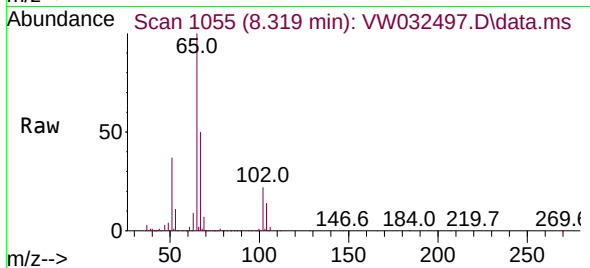
DUPE-0.5-1.0-20251114

Tgt Ion: 65 Resp: 153222

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032497.D

Acq: 19 Nov 2025 13:14

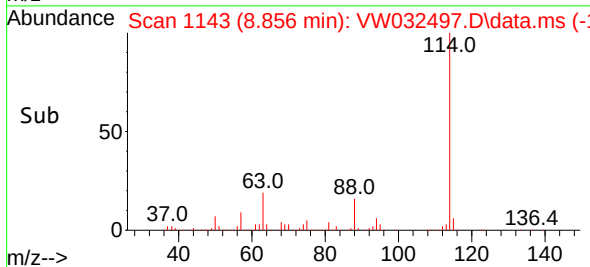
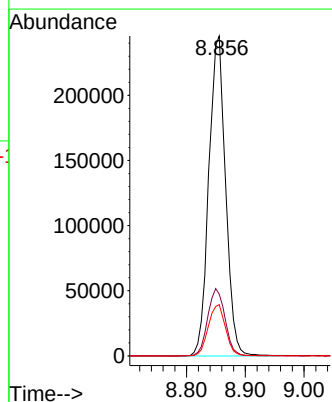
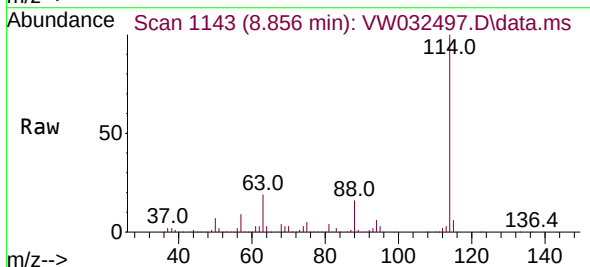
Tgt Ion: 114 Resp: 485828

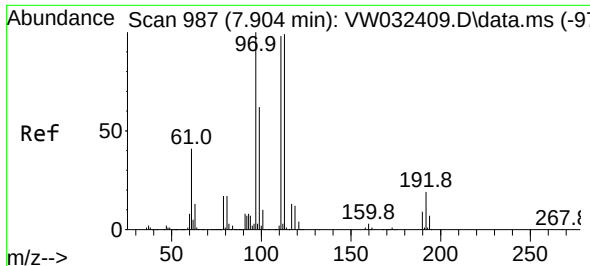
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.8

88 16.0 0.0 32.6

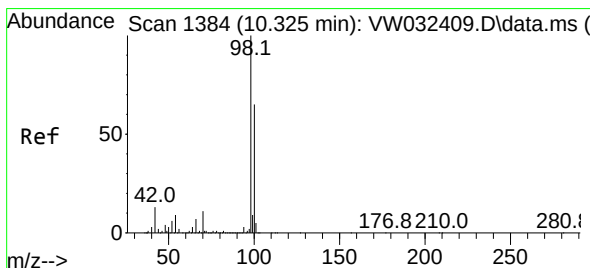
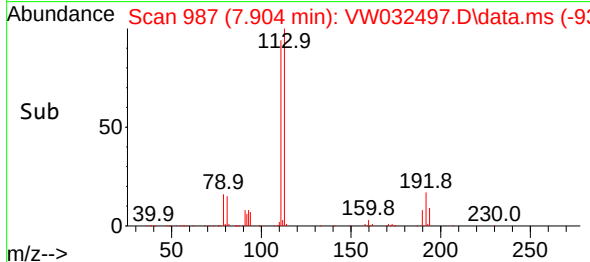
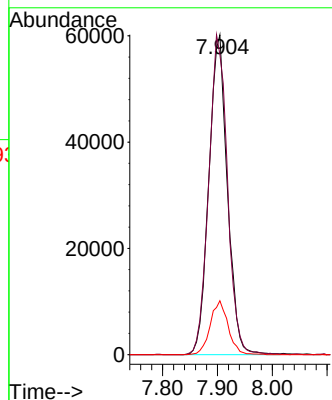
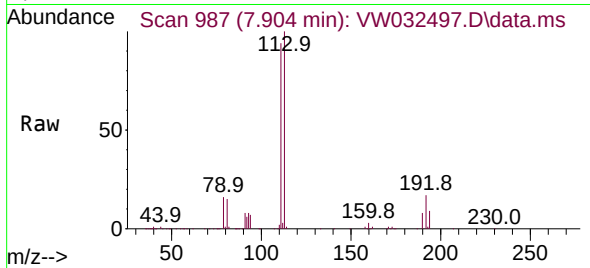




#35
Dibromofluoromethane
Concen: 48.561 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

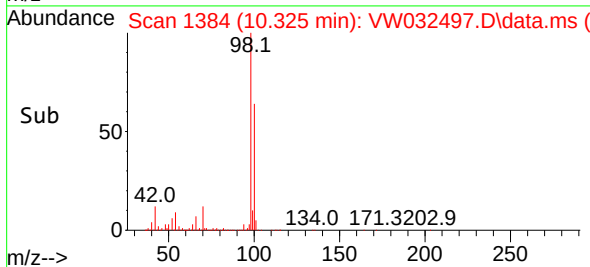
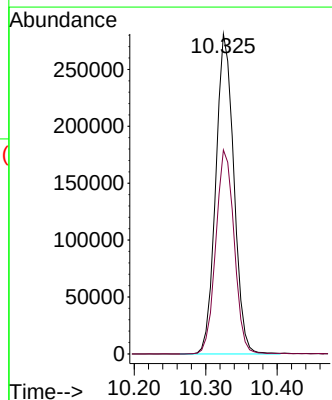
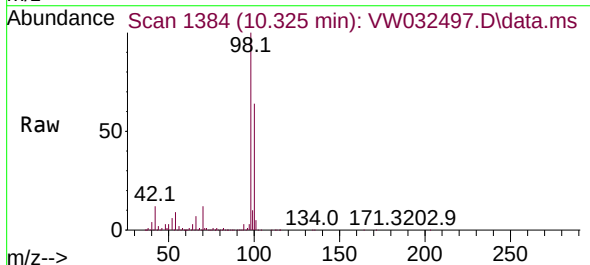
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

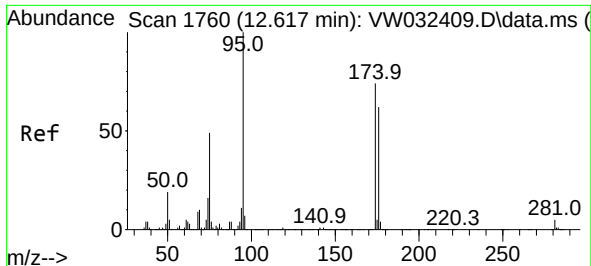
Tgt Ion:113 Resp: 141253
Ion Ratio Lower Upper
113 100
111 101.4 83.1 124.7
192 16.3 13.4 20.2



#50
Toluene-d8
Concen: 44.300 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

Tgt Ion: 98 Resp: 494342
Ion Ratio Lower Upper
98 100
100 64.7 53.3 79.9

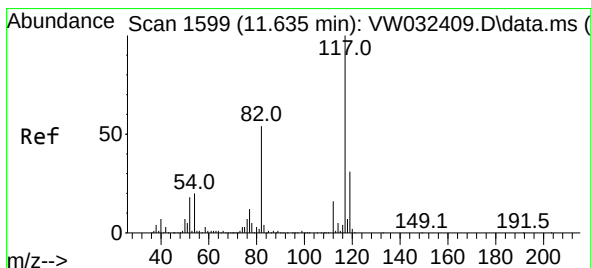
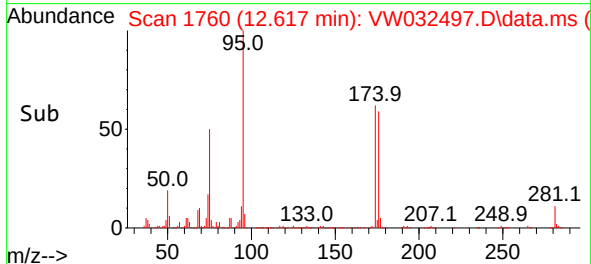
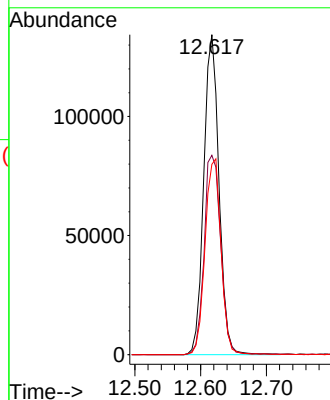
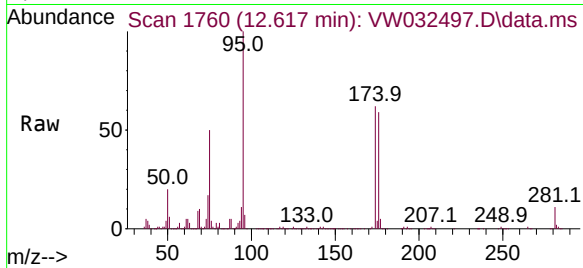




#62
4-Bromofluorobenzene
Concen: 51.364 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

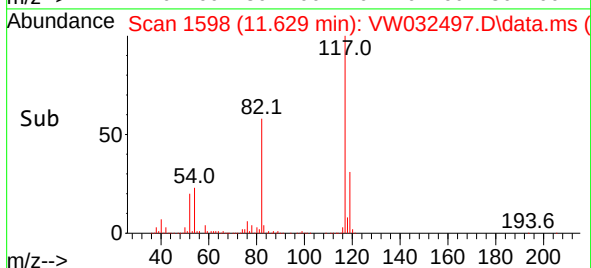
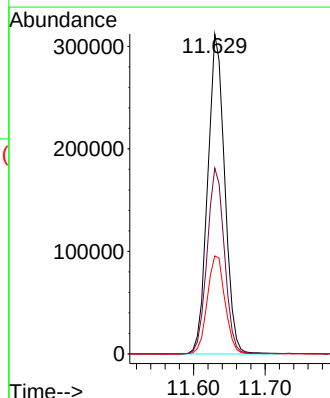
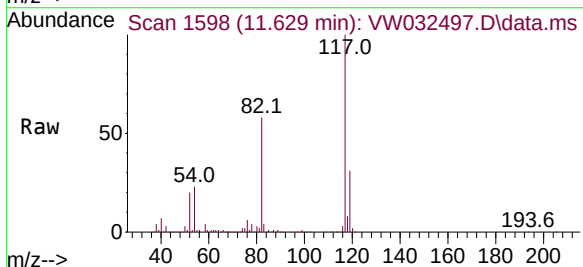
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

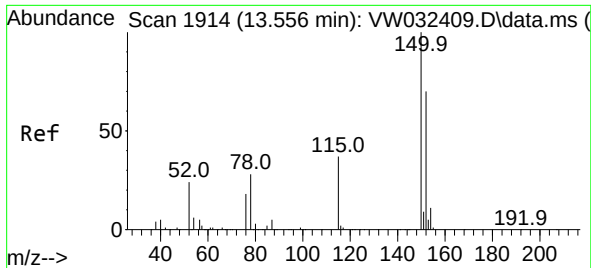
Tgt Ion: 95 Resp: 216521
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.4
176 64.3 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032497.D
Acq: 19 Nov 2025 13:14

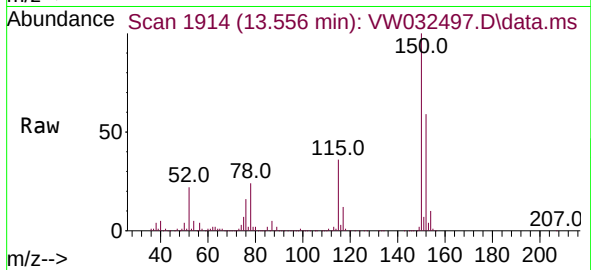
Tgt Ion: 117 Resp: 516048
Ion Ratio Lower Upper
117 100
82 58.1 43.0 64.4
119 30.6 25.0 37.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032497.D
 Acq: 19 Nov 2025 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 DUPE-0.5-1.0-20251114



Tgt Ion:	152	Resp:	249401
Ion	Ratio	Lower	Upper
152	100		
115	64.2	32.8	98.3
150	154.7	0.0	356.6

