

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032333.D
 Acq On : 02 Oct 2025 15:25
 Operator : SY/MD
 Sample : Q3262-07
 Misc : 4.36g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 279887

Quant Time: Oct 02 22:11:12 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)

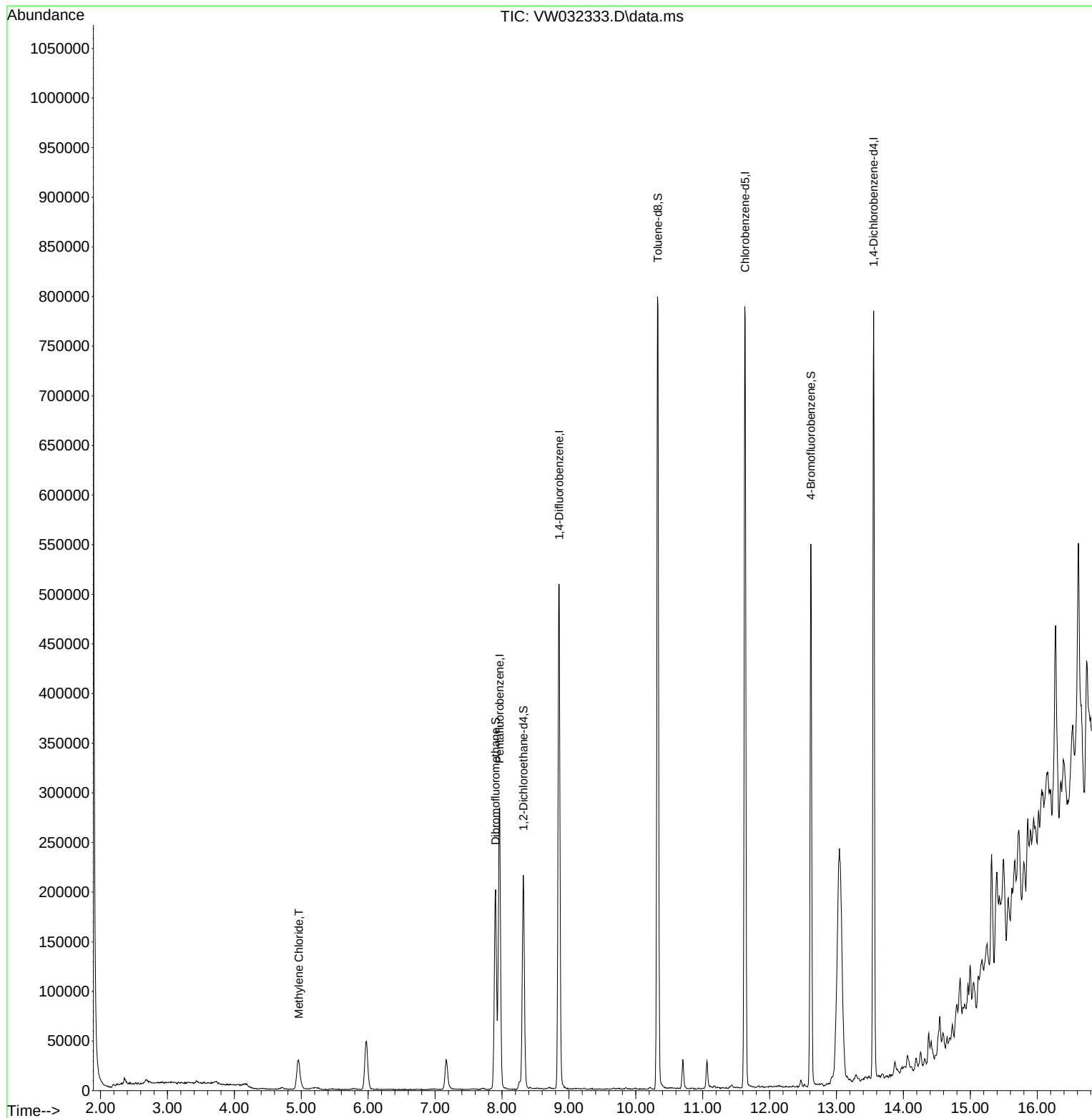
Internal Standards						
1) Pentafluorobenzene	7.965	168	193839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	428594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	438850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	194227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177855	62.907	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 125.820%		
35) Dibromofluoromethane	7.904	113	143860	51.830	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 103.660%		
50) Toluene-d8	10.331	98	534566	52.182	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 104.360%		
62) 4-Bromofluorobenzene	12.617	95	194834	50.319	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 100.640%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.966	84	25580	5.066	ug/l	96

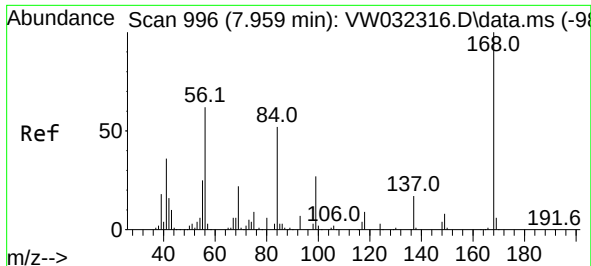
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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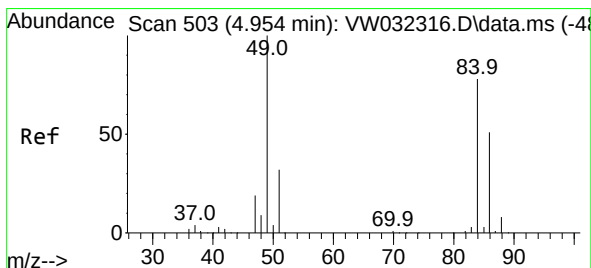
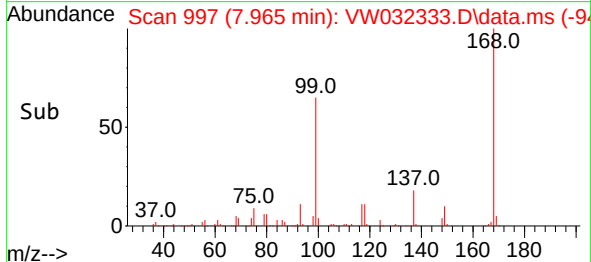
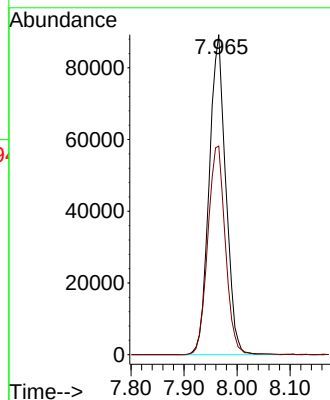
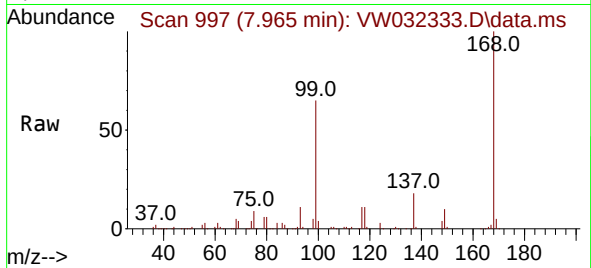




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032333.D
Acq: 02 Oct 2025 15:25

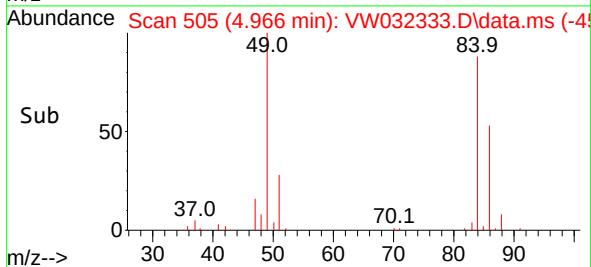
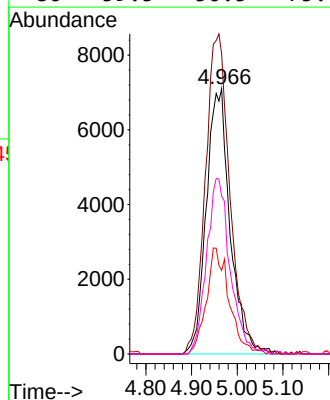
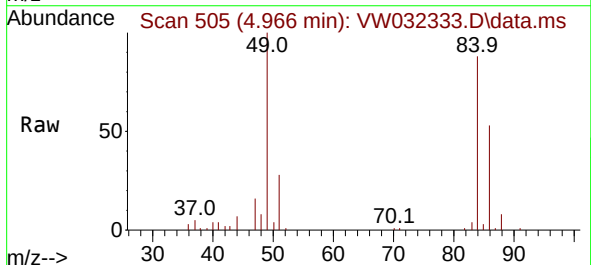
Instrument :
MSVOA_W
ClientSampleId :
279887

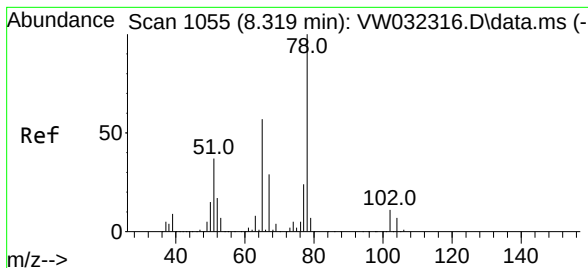
Tgt Ion:168 Resp: 193839
Ion Ratio Lower Upper
168 100
99 65.2 49.3 73.9



#20
Methylene Chloride
Concen: 5.066 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032333.D
Acq: 02 Oct 2025 15:25

Tgt Ion: 84 Resp: 25580
Ion Ratio Lower Upper
84 100
49 113.3 92.2 138.4
51 31.5 31.0 46.6
86 59.5 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 62.907 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032333.D

Acq: 02 Oct 2025 15:25

Instrument :

MSVOA_W

ClientSampleId :

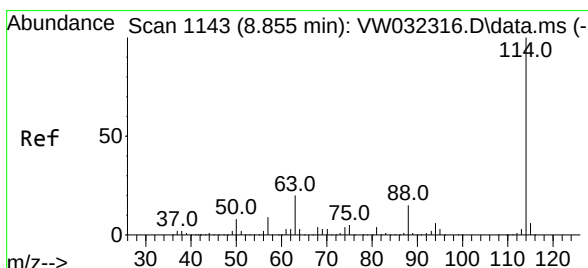
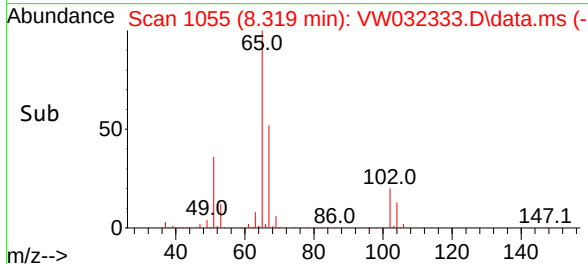
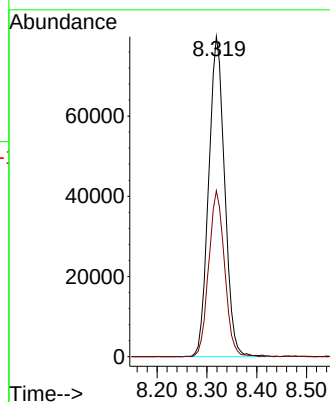
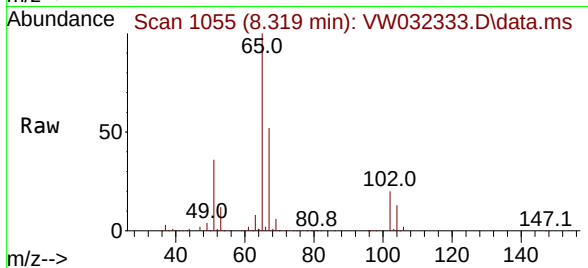
279887

Tgt Ion: 65 Resp: 177855

Ion Ratio Lower Upper

65 100

67 51.5 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032333.D

Acq: 02 Oct 2025 15:25

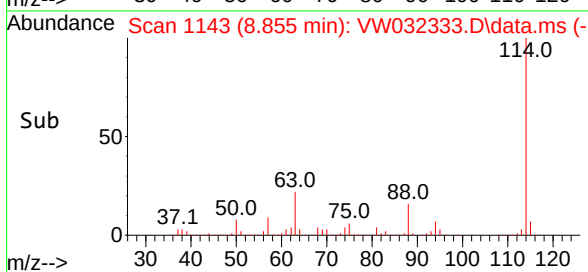
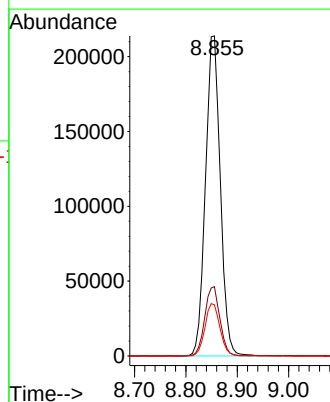
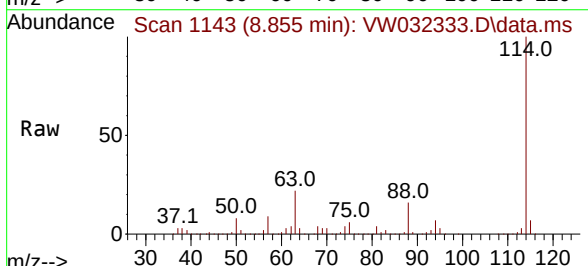
Tgt Ion: 114 Resp: 428594

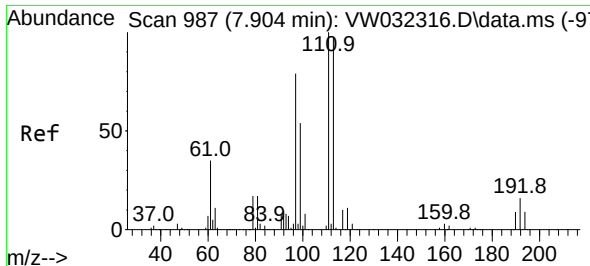
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.4

88 16.0 0.0 32.0

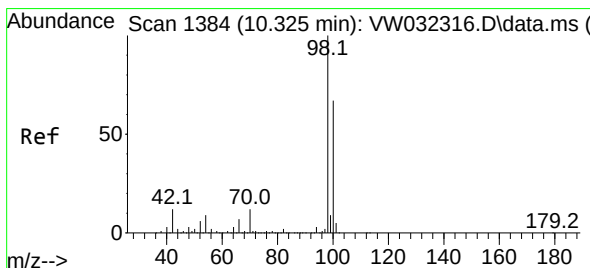
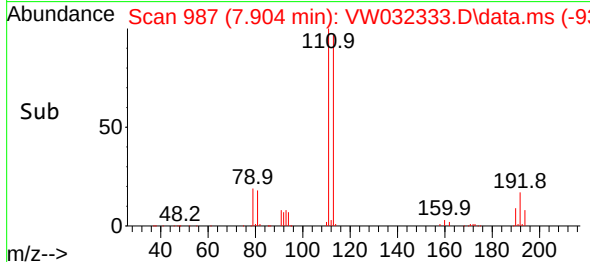
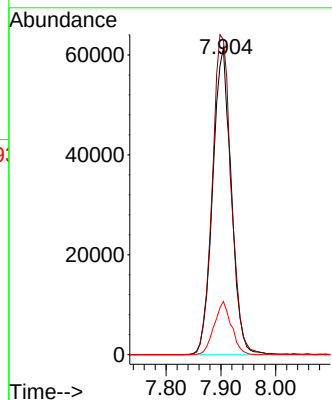
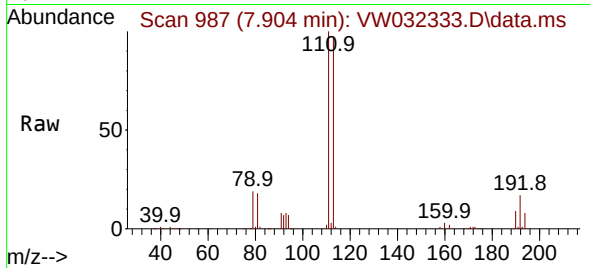




#35
 Dibromofluoromethane
 Concen: 51.830 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032333.D
 Acq: 02 Oct 2025 15:25

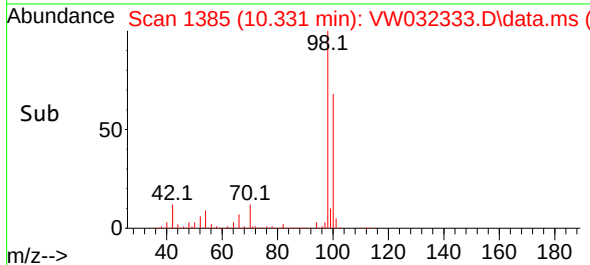
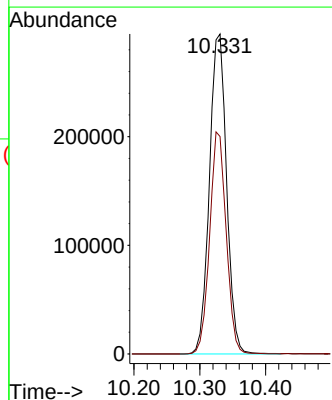
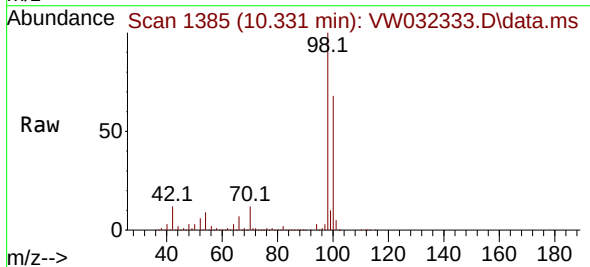
Instrument :
 MSVOA_W
 ClientSampleId :
 279887

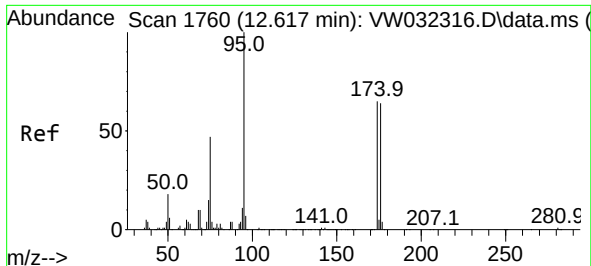
Tgt Ion:113 Resp: 143860
 Ion Ratio Lower Upper
 113 100
 111 106.2 83.9 125.9
 192 16.2 14.6 21.8



#50
 Toluene-d8
 Concen: 52.182 ug/l
 RT: 10.331 min Scan# 1385
 Delta R.T. 0.006 min
 Lab File: VW032333.D
 Acq: 02 Oct 2025 15:25

Tgt Ion: 98 Resp: 534566
 Ion Ratio Lower Upper
 98 100
 100 66.9 51.4 77.2

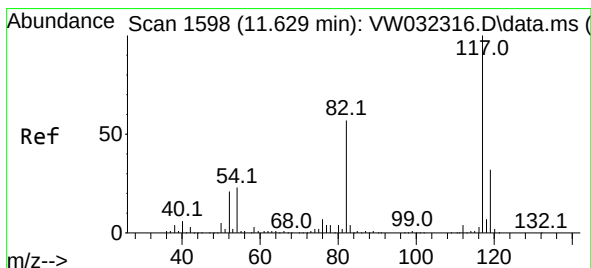
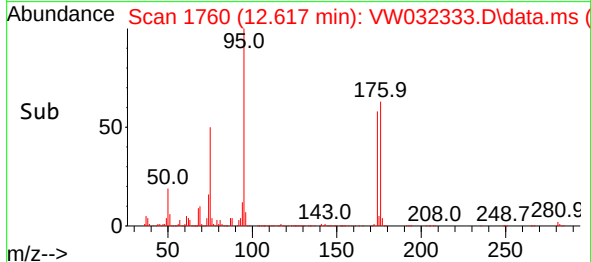
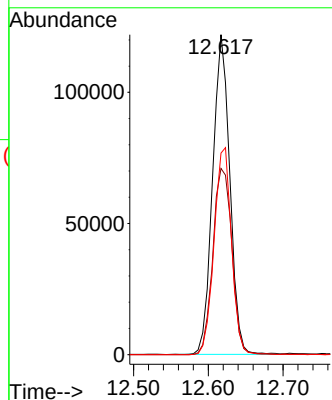
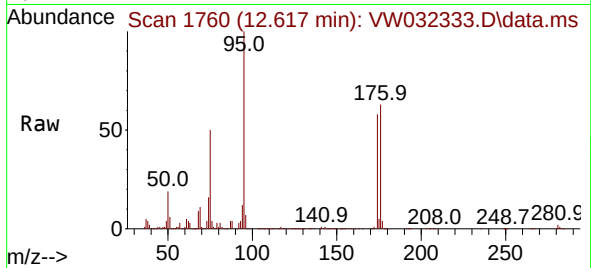




#62
4-Bromofluorobenzene
Concen: 50.319 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032333.D
Acq: 02 Oct 2025 15:25

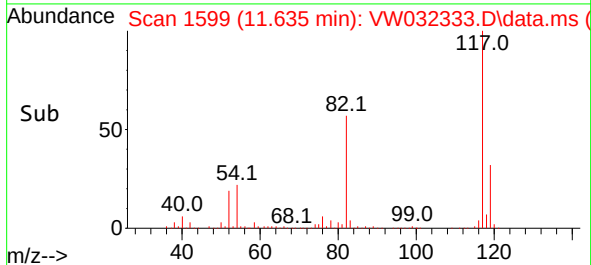
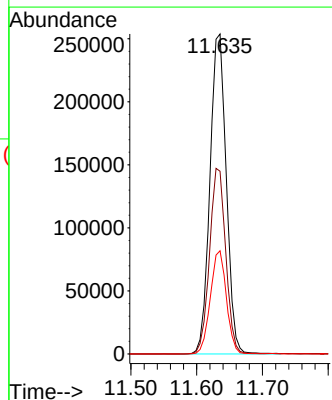
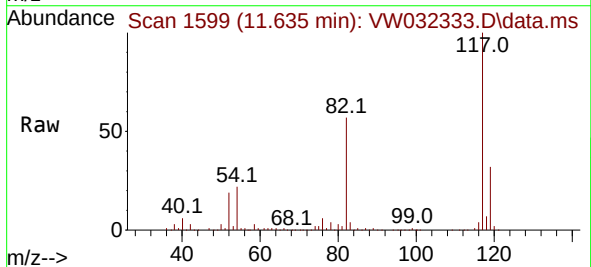
Instrument :
MSVOA_W
ClientSampleId :
279887

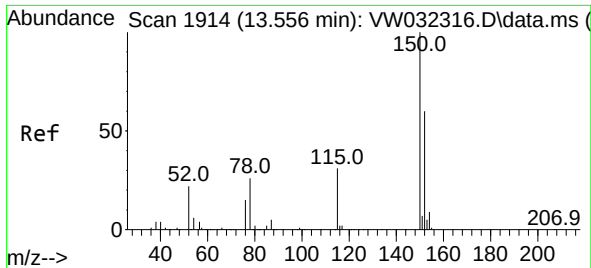
Tgt Ion: 95 Resp: 194834
Ion Ratio Lower Upper
95 100
174 64.5 0.0 145.6
176 65.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032333.D
Acq: 02 Oct 2025 15:25

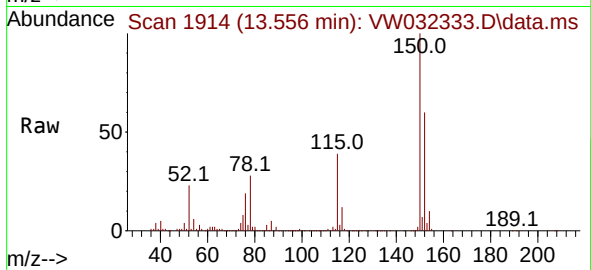
Tgt Ion: 117 Resp: 438850
Ion Ratio Lower Upper
117 100
82 57.1 42.7 64.1
119 32.3 25.2 37.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032333.D
 Acq: 02 Oct 2025 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 279887



Tgt Ion:	152	Resp:	194227
Ion Ratio	Lower	Upper	
152	100		
115	65.4	31.8	95.4
150	159.0	0.0	343.0

