

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032175.D
 Acq On : 15 Sep 2025 15:27
 Operator : SY/MD
 Sample : Q3105-01
 Misc : 5.56g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FREEZE-PIT-SAMPLES

Quant Time: Sep 16 06:37:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

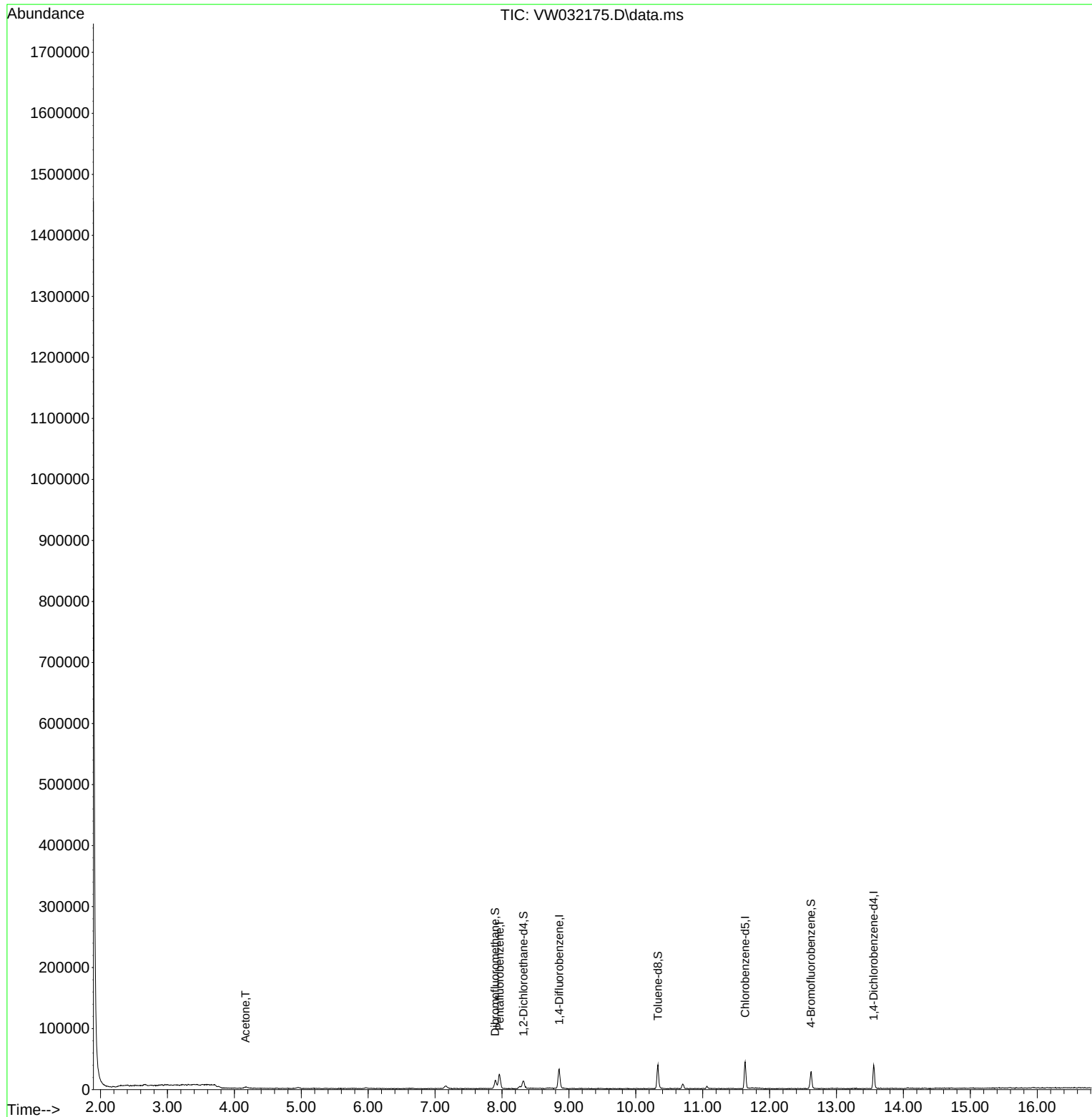
Internal Standards						
1) Pentafluorobenzene	7.965	168	15319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	24853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	23732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	10090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	11019	50.296	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	100.600%	
35) Dibromofluoromethane	7.898	113	9360	53.680	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	107.360%	
50) Toluene-d8	10.331	98	24991	40.827	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	81.660%	
62) 4-Bromofluorobenzene	12.617	95	8617	38.070	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	76.140%	
Target Compounds						
16) Acetone	4.167	43	4833	101.861	ug/l	Qvalue # 79

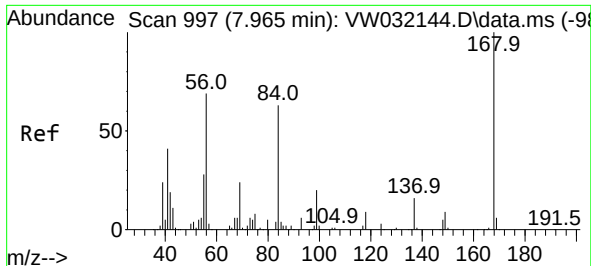
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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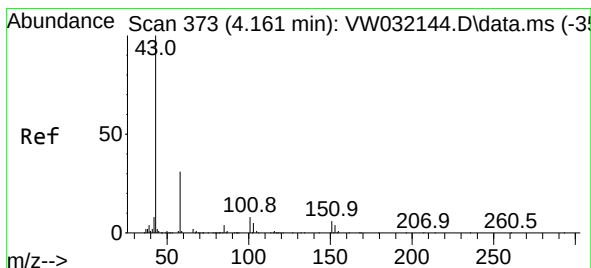
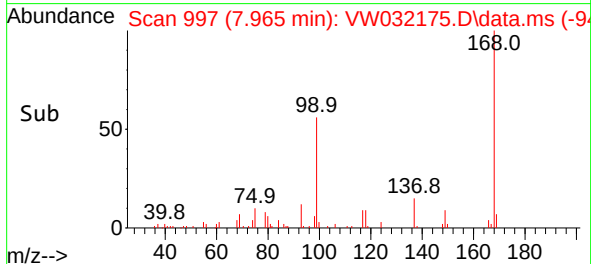
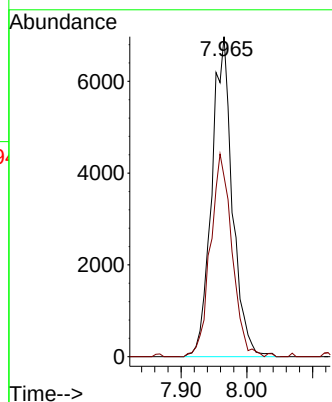
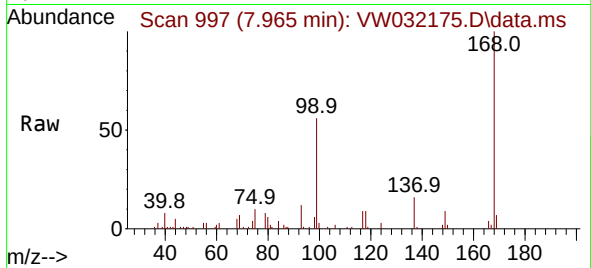




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:27

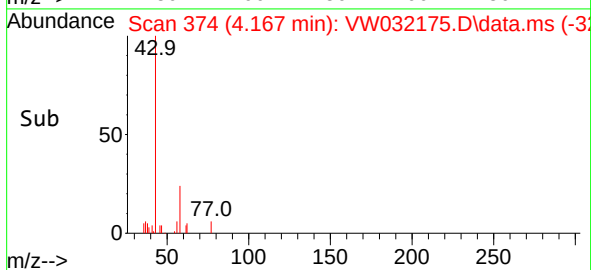
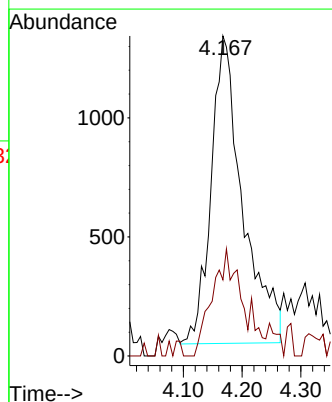
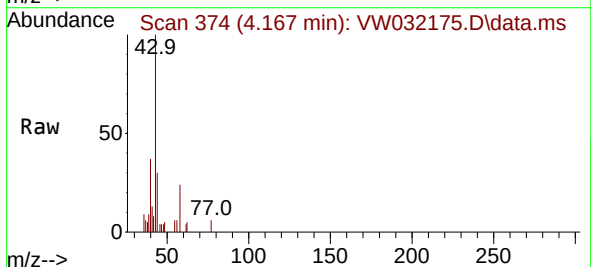
Instrument :
MSVOA_W
ClientSampleId :
FREEZE-PIT-SAMPLES

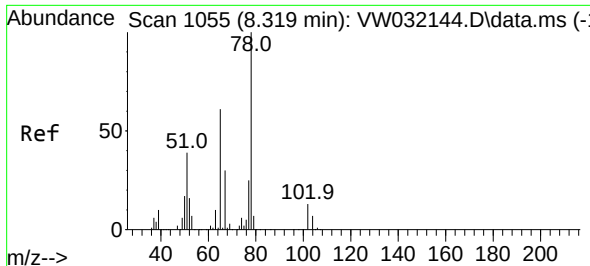
Tgt Ion:168 Resp: 15319
Ion Ratio Lower Upper
168 100
99 56.3 49.3 73.9



#16
Acetone
Concen: 101.861 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:27

Tgt Ion: 43 Resp: 4833
Ion Ratio Lower Upper
43 100
58 20.0 25.3 37.9#





#33

1,2-Dichloroethane-d4

Concen: 50.296 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032175.D

Acq: 15 Sep 2025 15:27

Instrument :

MSVOA_W

ClientSampleId :

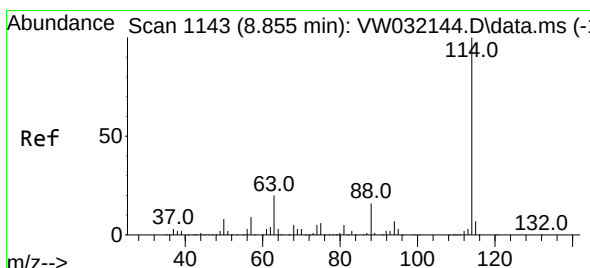
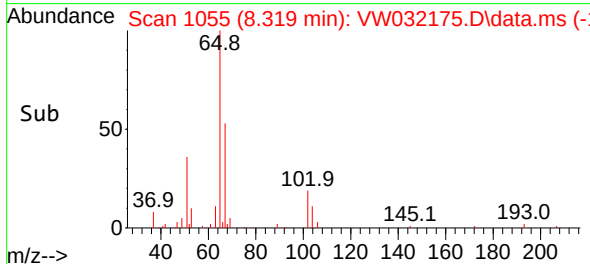
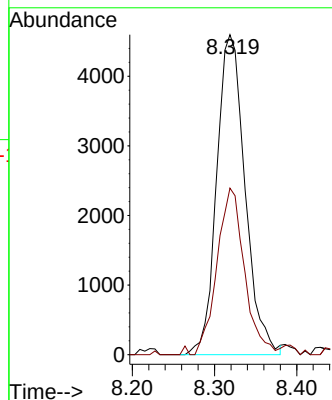
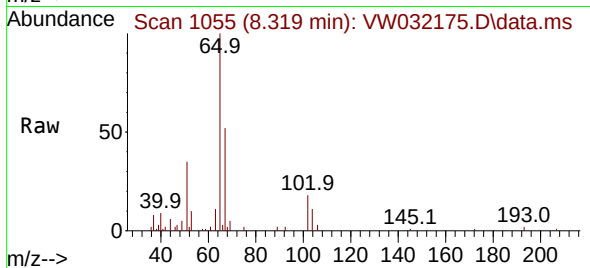
FREEZE-PIT-SAMPLES

Tgt Ion: 65 Resp: 11019

Ion Ratio Lower Upper

65 100

67 50.3 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: VW032175.D

Acq: 15 Sep 2025 15:27

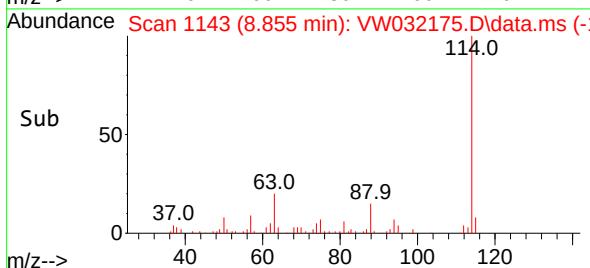
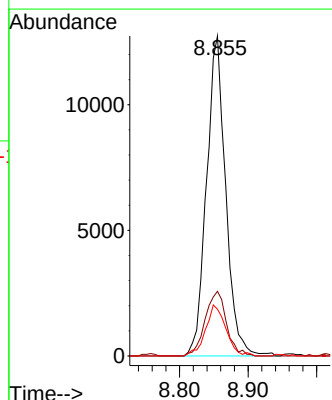
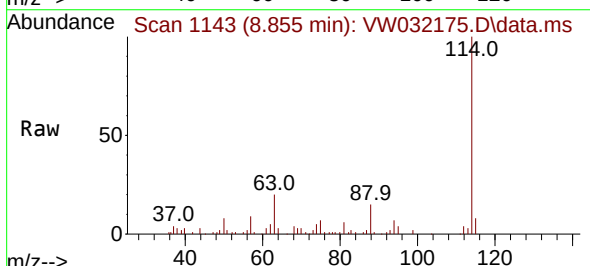
Tgt Ion: 114 Resp: 24853

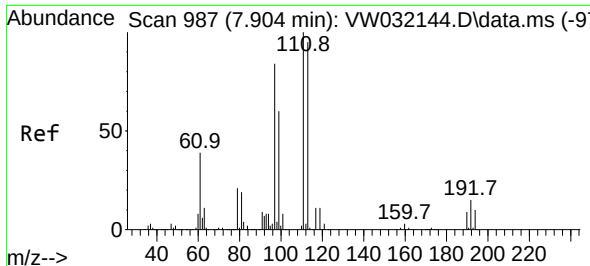
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.4

88 14.6 0.0 32.0

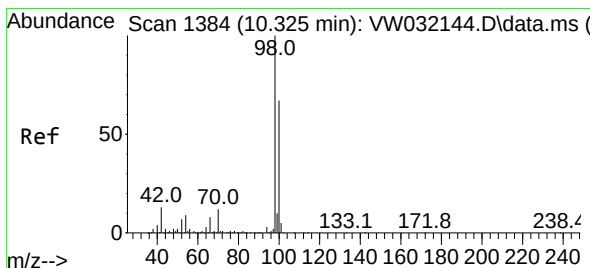
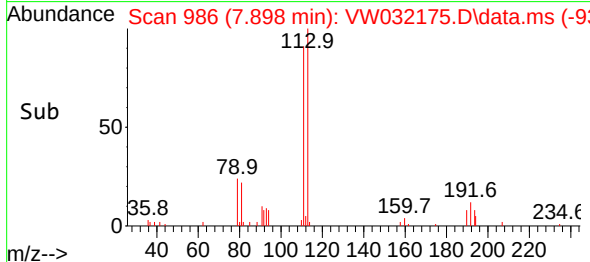
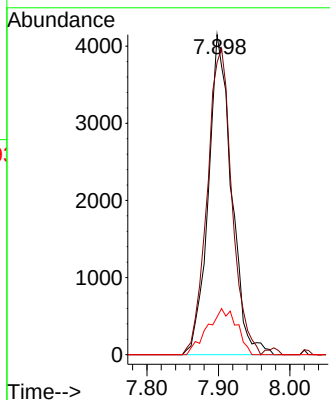
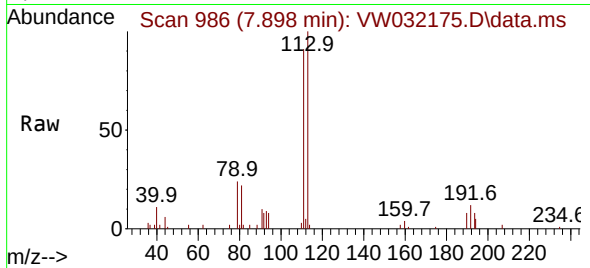




#35
 Dibromofluoromethane
 Concen: 53.680 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032175.D
 Acq: 15 Sep 2025 15:27

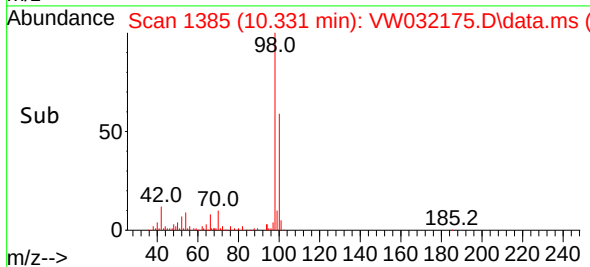
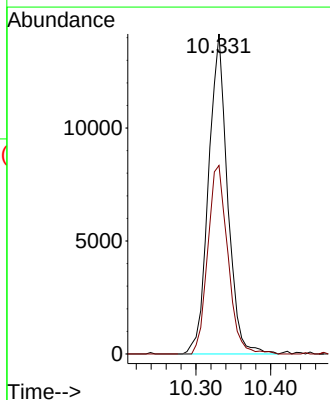
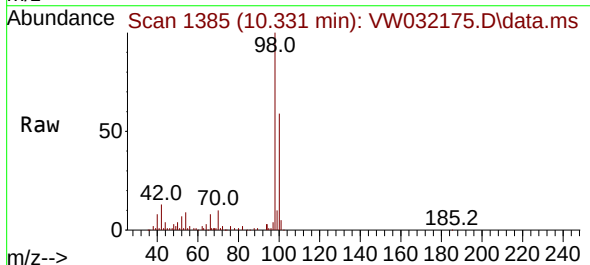
Instrument :
 MSVOA_W
 ClientSampleId :
 FREEZE-PIT-SAMPLES

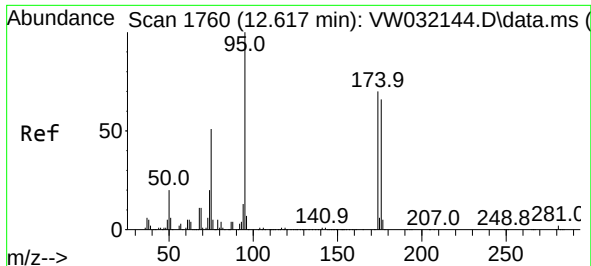
Tgt Ion:113 Resp: 9360
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.9 125.9
 192 18.3 14.6 21.8



#50
 Toluene-d8
 Concen: 40.827 ug/l
 RT: 10.331 min Scan# 1385
 Delta R.T. 0.006 min
 Lab File: VW032175.D
 Acq: 15 Sep 2025 15:27

Tgt Ion: 98 Resp: 24991
 Ion Ratio Lower Upper
 98 100
 100 62.3 51.4 77.2

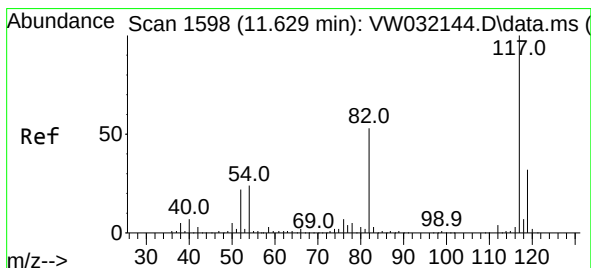
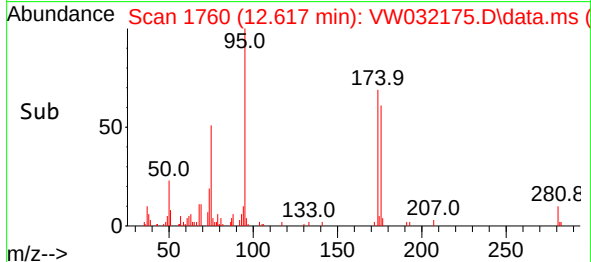
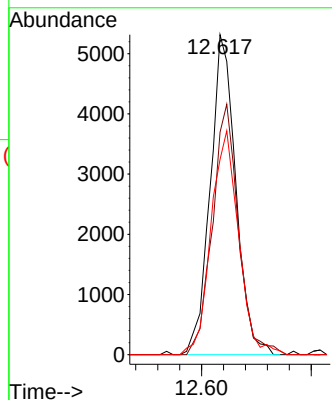
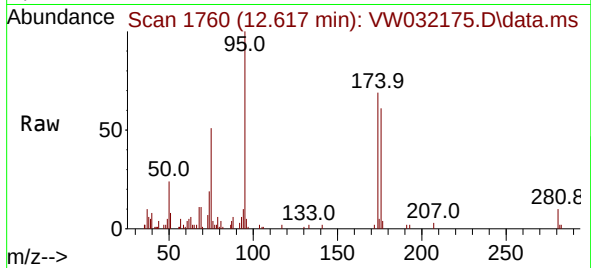




#62
4-Bromofluorobenzene
Concen: 38.070 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:27

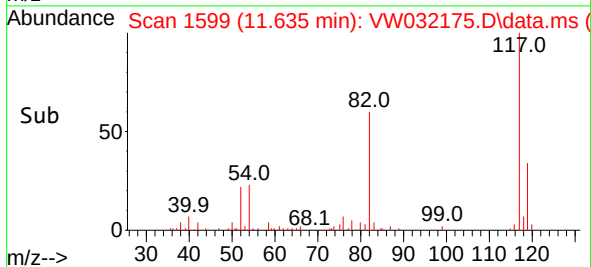
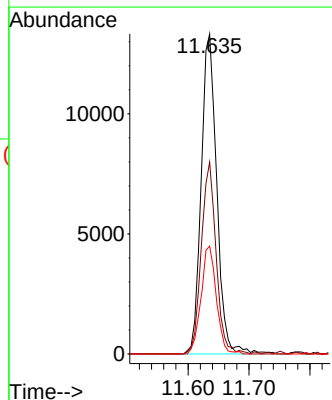
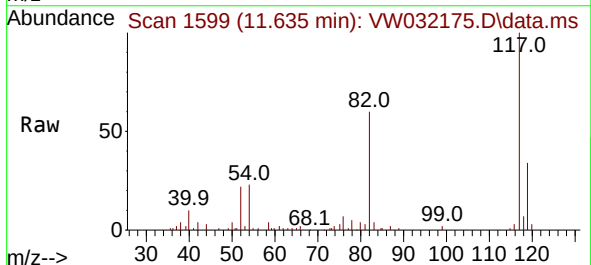
Instrument :
MSVOA_W
ClientSampleId :
FREEZE-PIT-SAMPLES

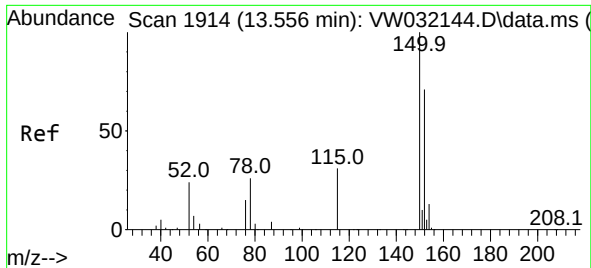
Tgt Ion:	95	Resp:	8617
Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	145.6
176	75.5	0.0	140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:27

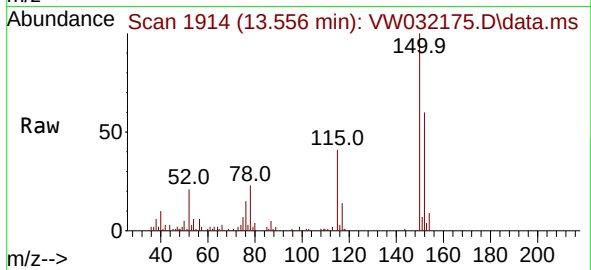
Tgt Ion:	117	Resp:	23732
Ion	Ratio	Lower	Upper
117	100		
82	60.0	42.7	64.1
119	33.7	25.2	37.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032175.D
 Acq: 15 Sep 2025 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 FREEZE-PIT-SAMPLES



Tgt Ion:	152	Resp:	10090
Ion Ratio	Lower	Upper	
152	100		
115	60.9	31.8	95.4
150	157.3	0.0	343.0

