

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
 Data File : VX047540.D
 Acq On : 27 Aug 2025 16:48
 Operator : JC/MD
 Sample : Q2971-37
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

Quant Time: Aug 28 01:21:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

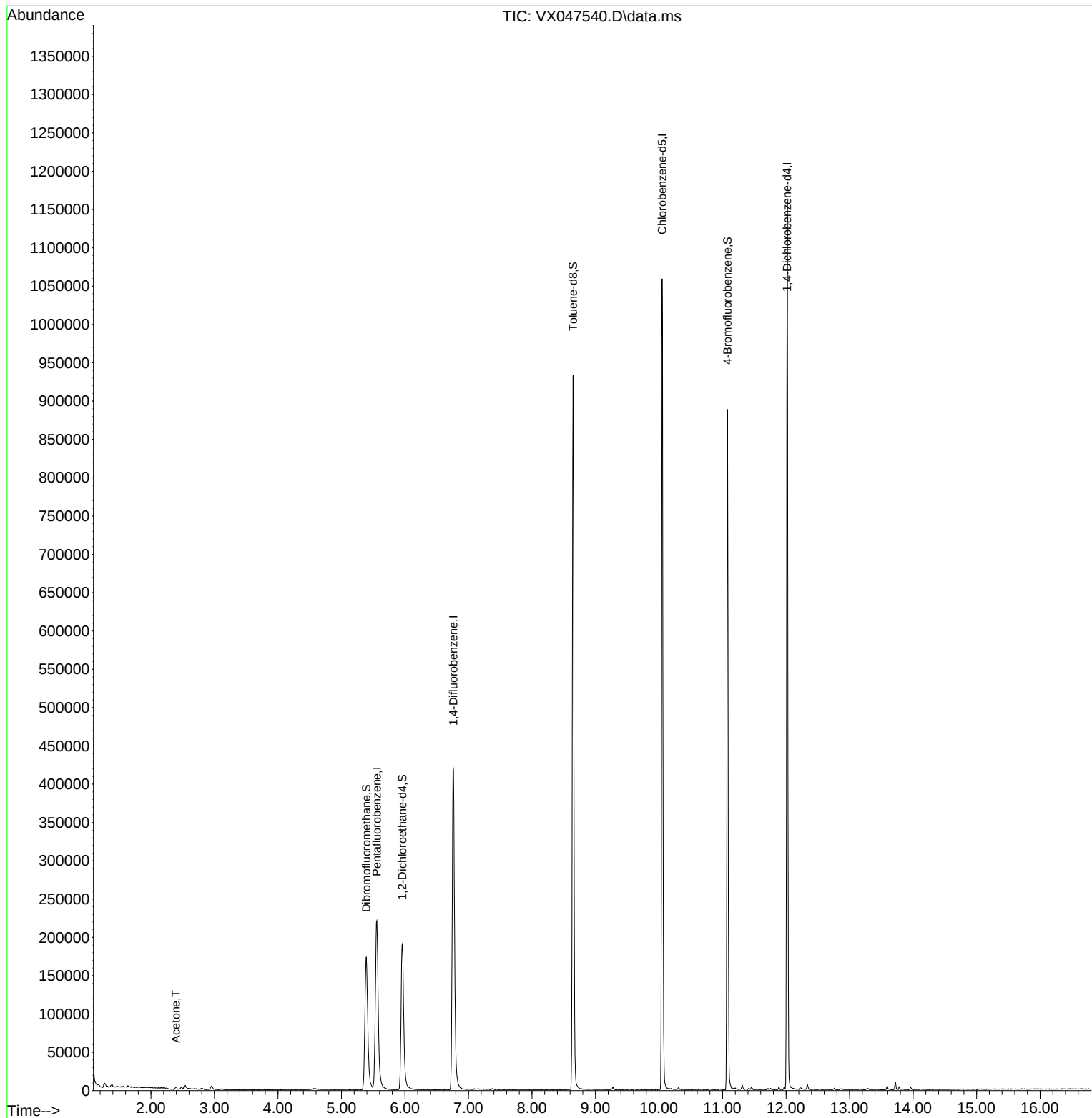
Internal Standards						
1) Pentafluorobenzene	5.556	168	226306	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	463642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	470057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	235100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206061	65.060	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 130.120%#	
35) Dibromofluoromethane	5.391	113	169284	56.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.520%	
50) Toluene-d8	8.647	98	563220	52.367	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.740%	
62) 4-Bromofluorobenzene	11.079	95	242469	61.092	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 122.180%	
Target Compounds						
16) Acetone	2.392	43	3940	3.310	ug/l	Qvalue 93

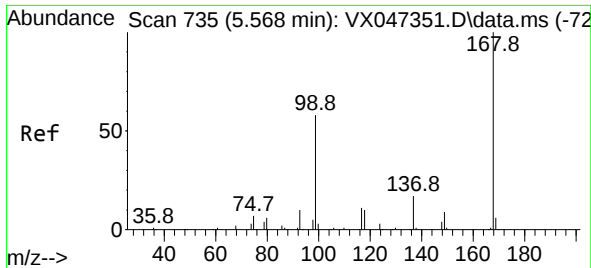
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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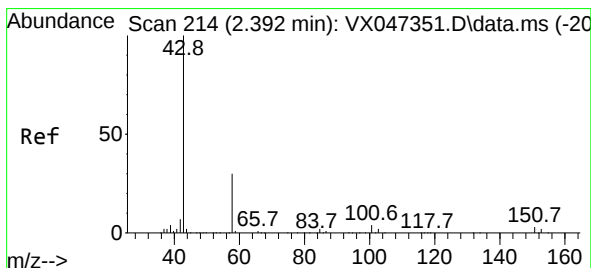
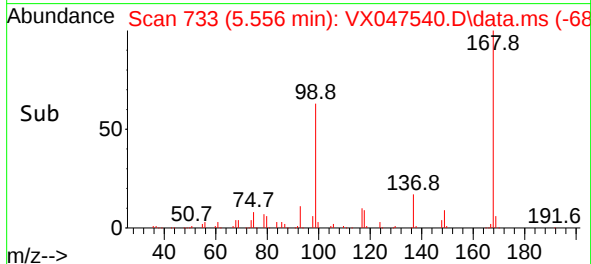
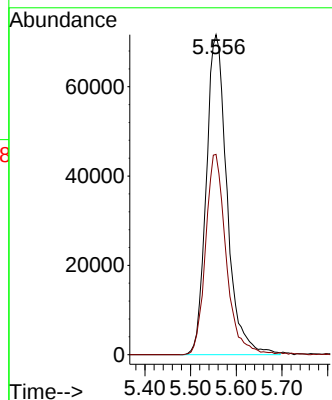
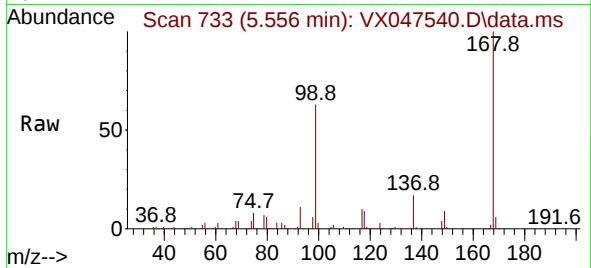




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX047540.D
Acq: 27 Aug 2025 16:48

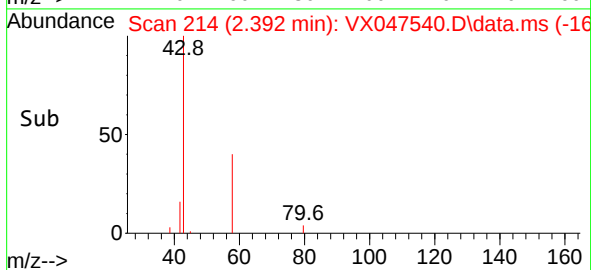
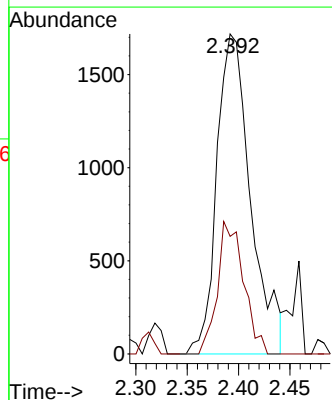
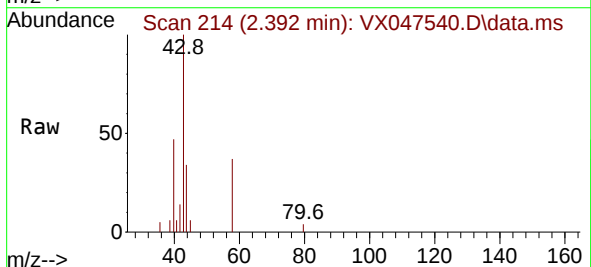
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

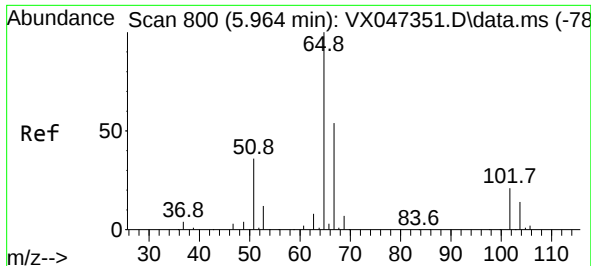
Tgt Ion:168 Resp: 226306
Ion Ratio Lower Upper
168 100
99 62.6 47.9 71.9



#16
Acetone
Concen: 3.310 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047540.D
Acq: 27 Aug 2025 16:48

Tgt Ion: 43 Resp: 3940
Ion Ratio Lower Upper
43 100
58 27.4 24.8 37.2





#33

1,2-Dichloroethane-d4

Concen: 65.060 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047540.D

Acq: 27 Aug 2025 16:48

Instrument :

MSVOA_X

ClientSampleId :

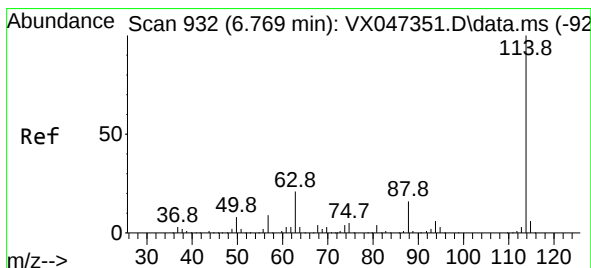
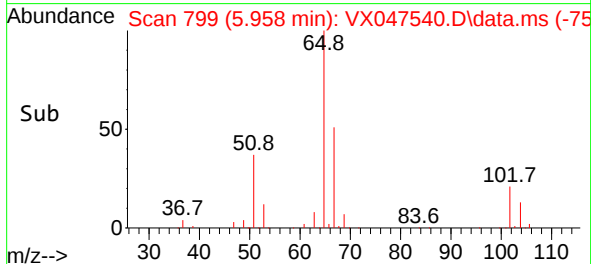
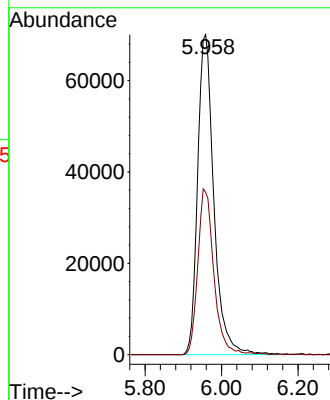
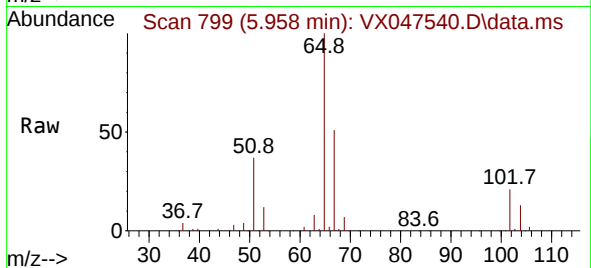
GROUNDWATER

Tgt Ion: 65 Resp: 206061

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047540.D

Acq: 27 Aug 2025 16:48

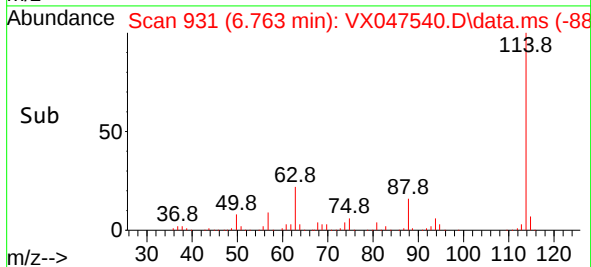
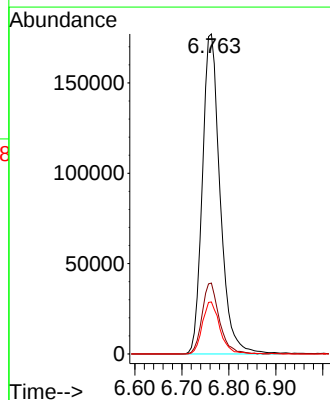
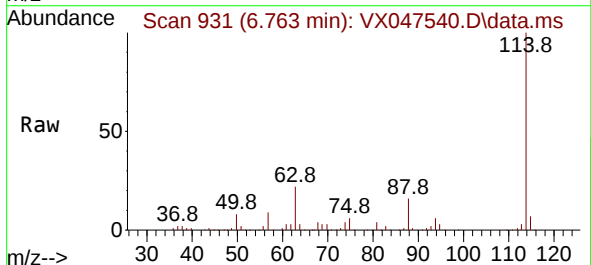
Tgt Ion: 114 Resp: 463642

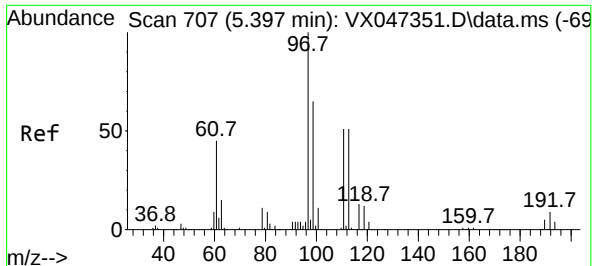
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 56.258 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047540.D

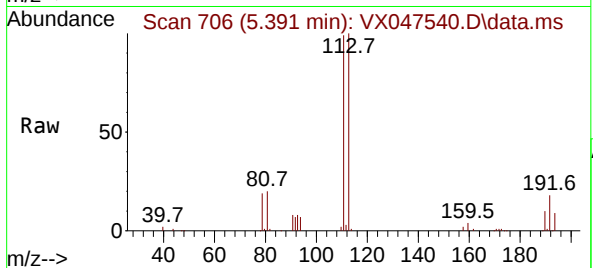
Acq: 27 Aug 2025 16:48

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER



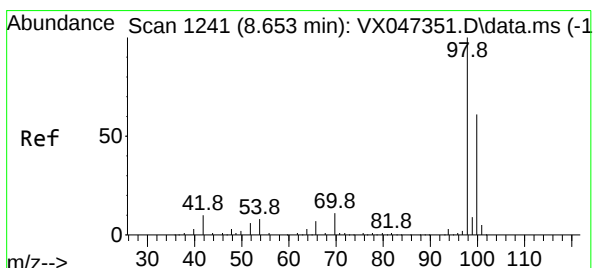
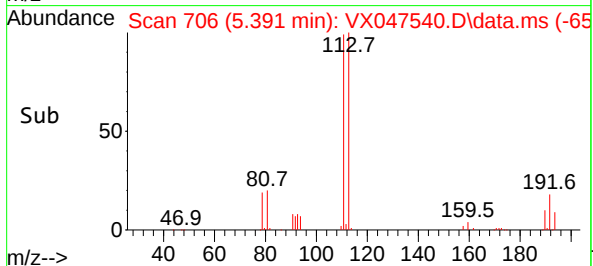
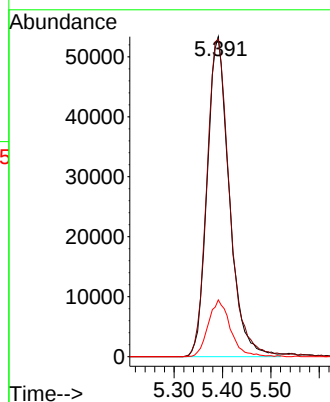
Tgt Ion:113 Resp: 169284

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

192 17.8 14.1 21.1



#50

Toluene-d8

Concen: 52.367 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047540.D

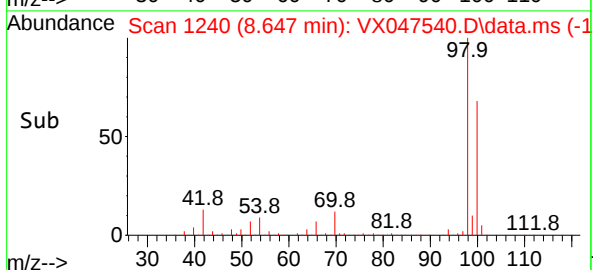
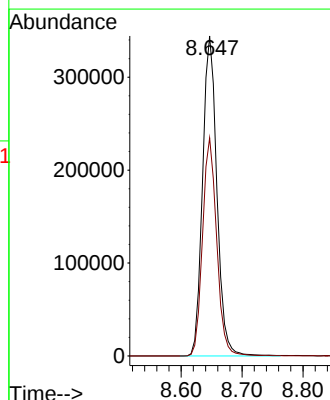
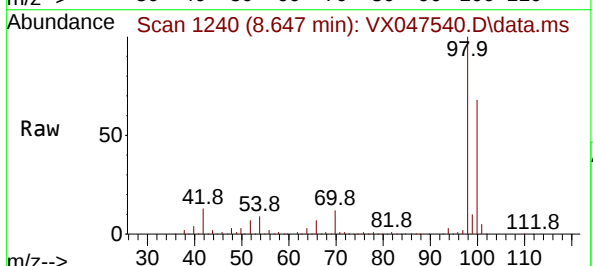
Acq: 27 Aug 2025 16:48

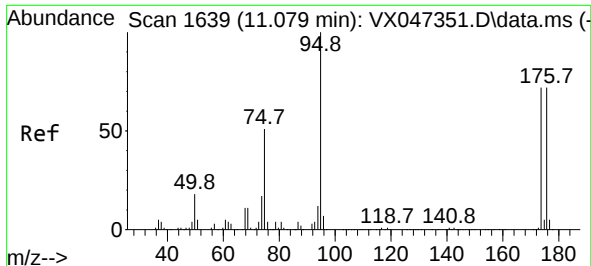
Tgt Ion: 98 Resp: 563220

Ion Ratio Lower Upper

98 100

100 67.3 53.9 80.9

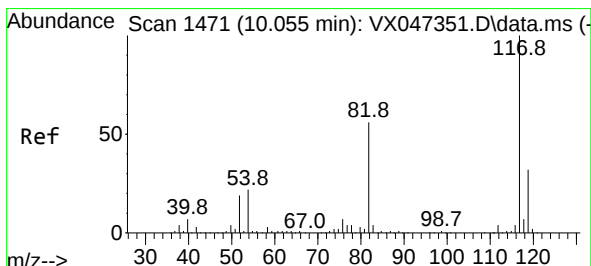
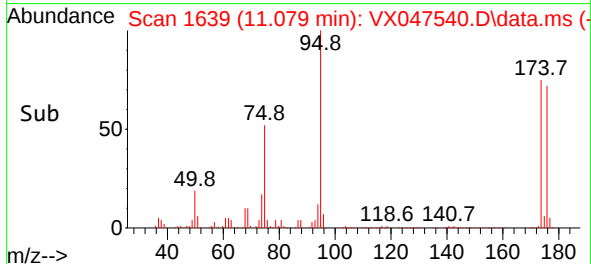
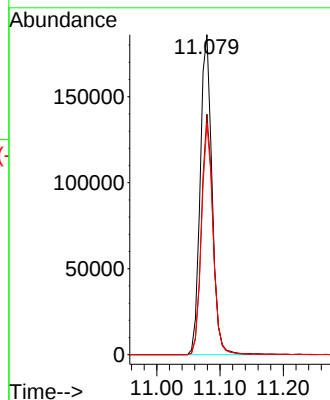
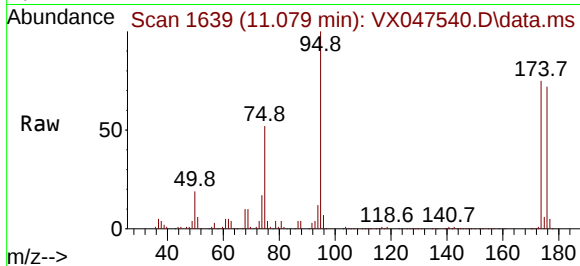




#62
4-Bromofluorobenzene
Concen: 61.092 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047540.D
Acq: 27 Aug 2025 16:48

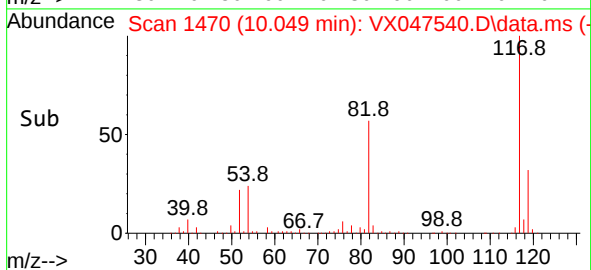
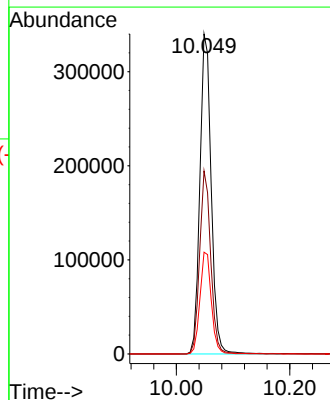
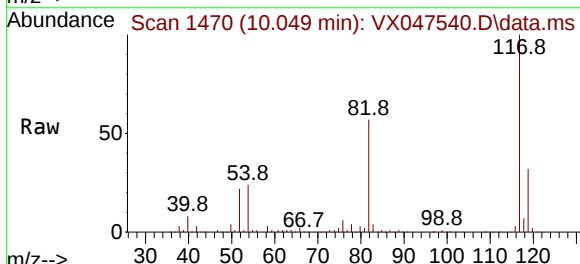
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

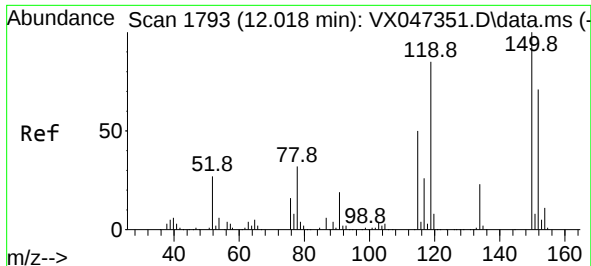
Tgt Ion: 95 Resp: 242469
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.0
176 70.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX047540.D
Acq: 27 Aug 2025 16:48

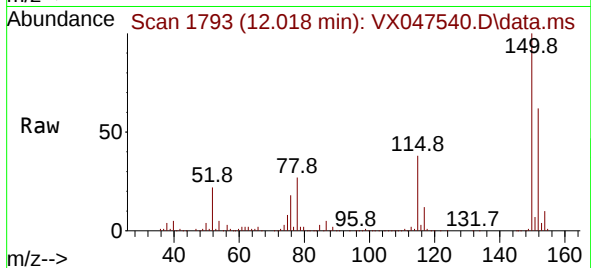
Tgt Ion: 117 Resp: 470057
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.4
119 31.8 25.8 38.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047540.D
 Acq: 27 Aug 2025 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER



Tgt Ion:152 Resp: 235100
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.6 133.8
 150 160.9 0.0 349.8

