

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048860.D
 Acq On : 12 Dec 2025 17:09
 Operator : JC/MD
 Sample : Q3849-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-121125

Quant Time: Dec 12 22:16:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

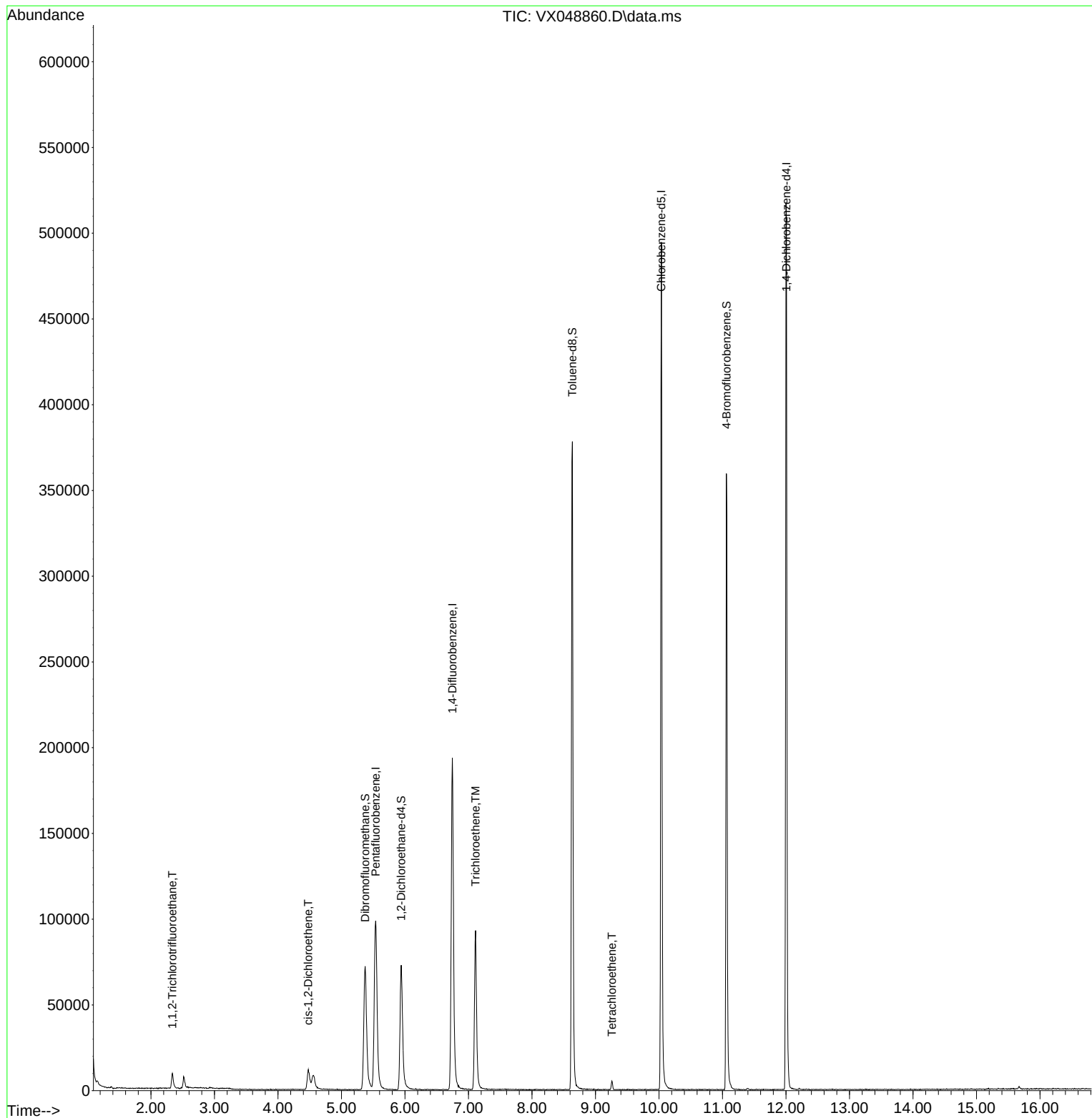
Internal Standards						
1) Pentafluorobenzene	5.538	168	103440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	212800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	234059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	77273	55.658	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.320%
35) Dibromofluoromethane	5.373	113	71089	48.518	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.040%
50) Toluene-d8	8.635	98	245864	47.871	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.740%
62) 4-Bromofluorobenzene	11.061	95	103927	58.681	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.360%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	3996	3.395	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	8033	5.807	ug/l	96
44) Trichloroethene	7.111	130	39321	25.331	ug/l	99
64) Tetrachloroethene	9.257	164	999	0.586	ug/l	94

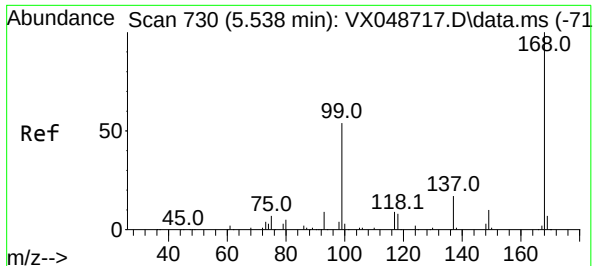
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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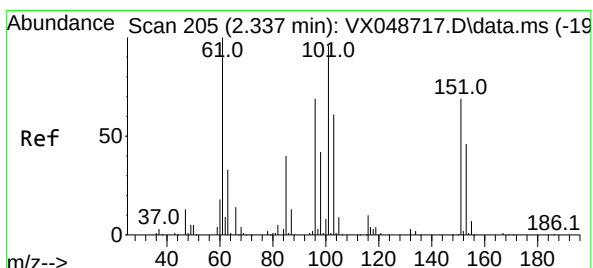
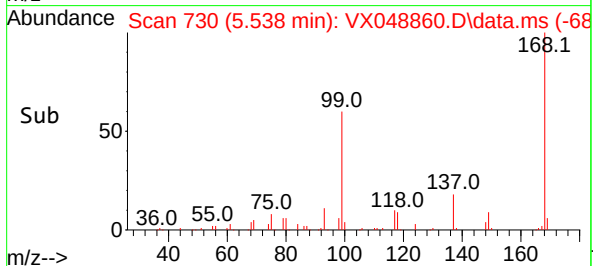
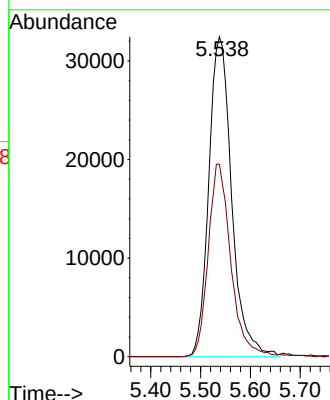
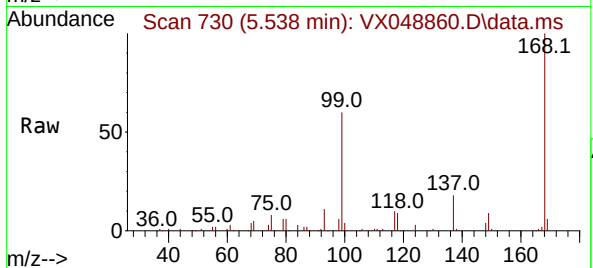




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

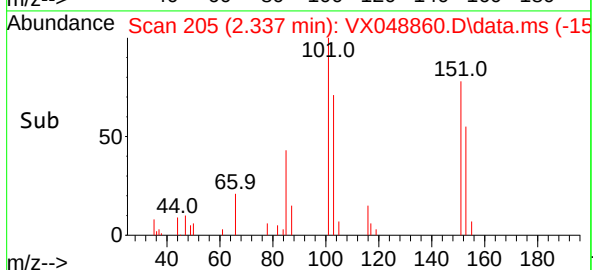
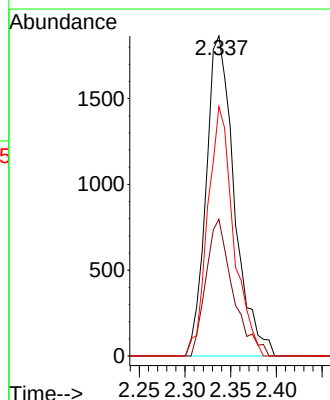
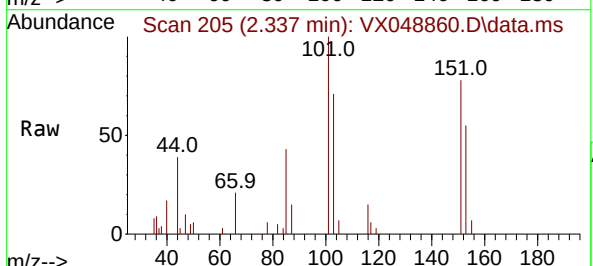
Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

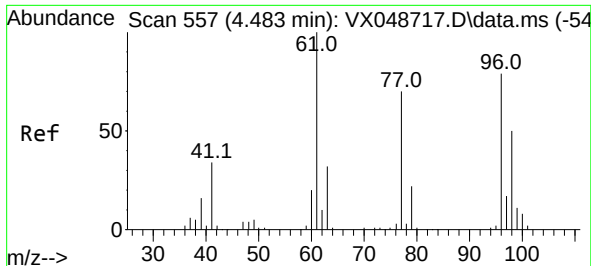
Tgt Ion:168 Resp: 103440
Ion Ratio Lower Upper
168 100
99 60.2 44.2 66.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.395 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion:101 Resp: 3996
Ion Ratio Lower Upper
101 100
85 40.9 34.2 51.2
151 71.3 60.2 90.4





#27

cis-1,2-Dichloroethene

Concen: 5.807 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX048860.D

Acq: 12 Dec 2025 17:09

Instrument :

MSVOA_X

ClientSampleId :

TB01-121125

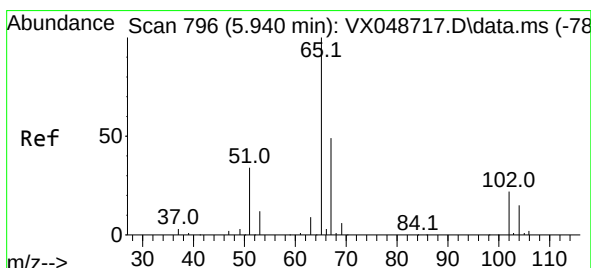
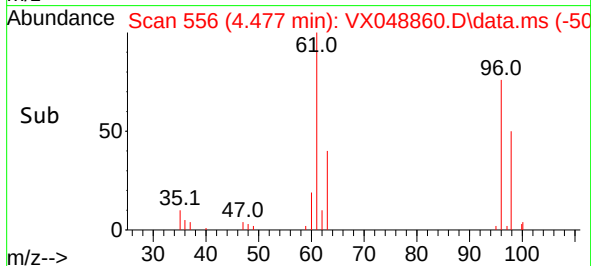
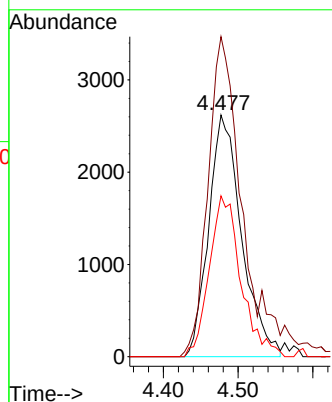
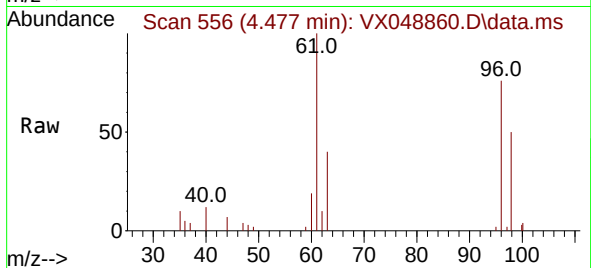
Tgt Ion: 96 Resp: 8033

Ion Ratio Lower Upper

96 100

61 141.4 0.0 271.0

98 63.8 0.0 130.2



#33

1,2-Dichloroethane-d4

Concen: 55.658 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048860.D

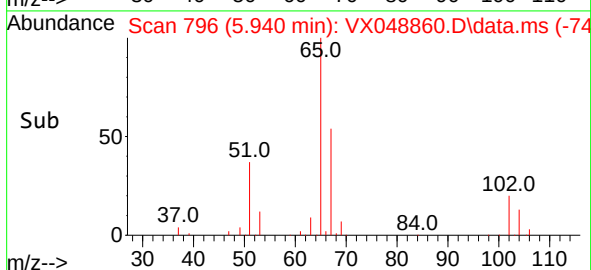
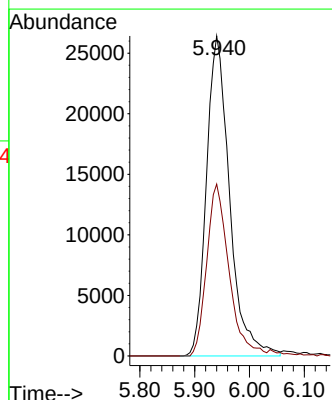
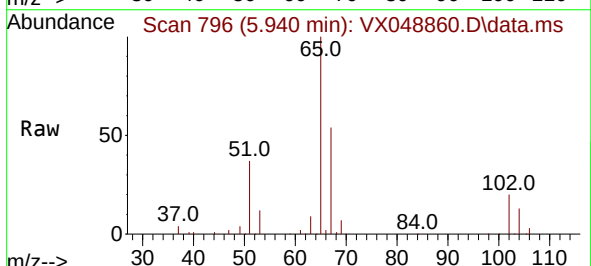
Acq: 12 Dec 2025 17:09

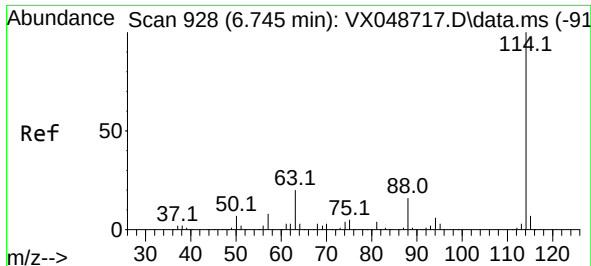
Tgt Ion: 65 Resp: 77273

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.4

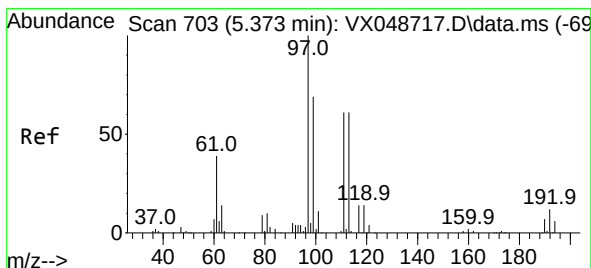
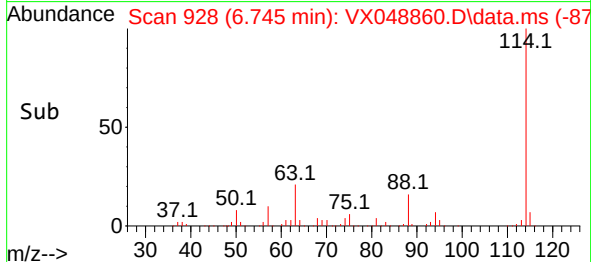
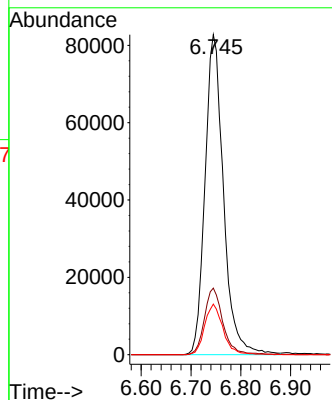
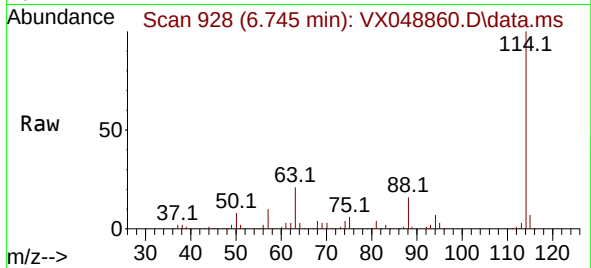




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

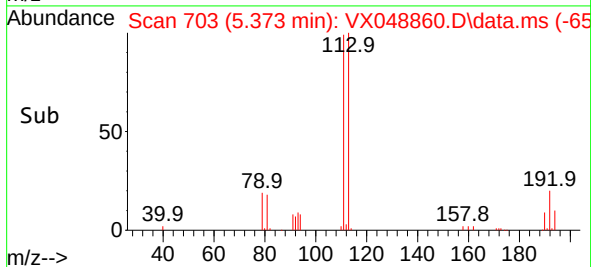
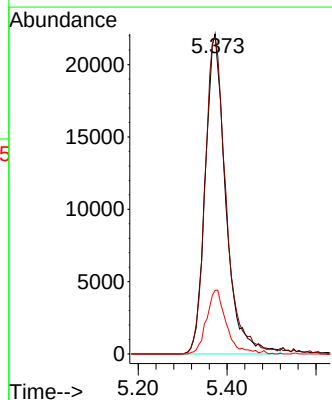
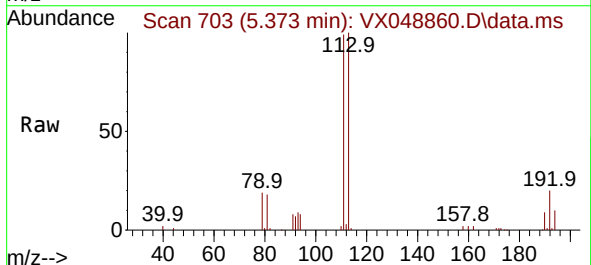
Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

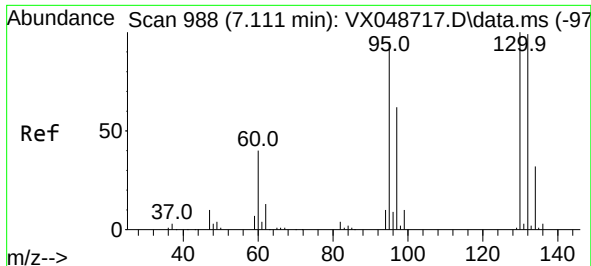
Tgt Ion:114 Resp: 212800
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.0
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.518 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion:113 Resp: 71089
Ion Ratio Lower Upper
113 100
111 101.4 79.5 119.3
192 19.3 16.1 24.1

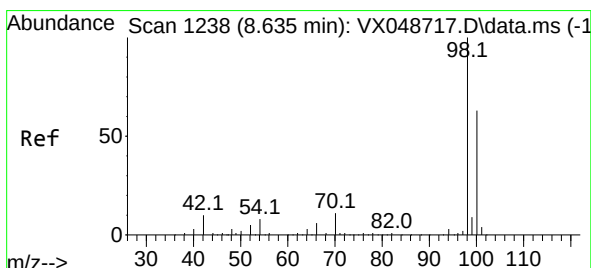
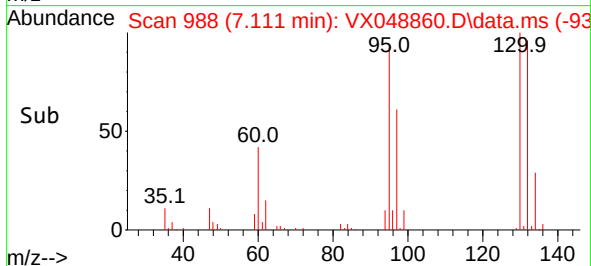
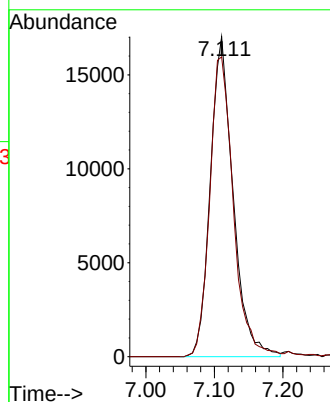
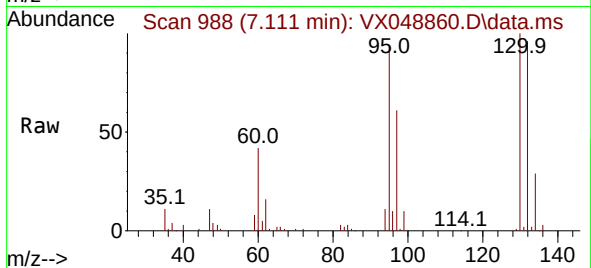




#44
Trichloroethene
Concen: 25.331 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

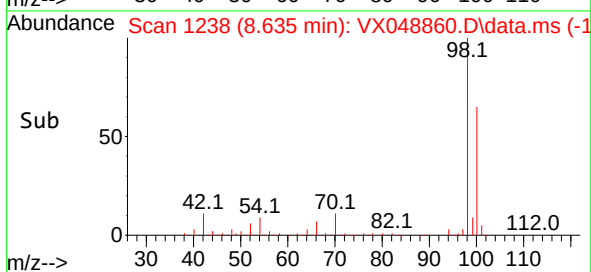
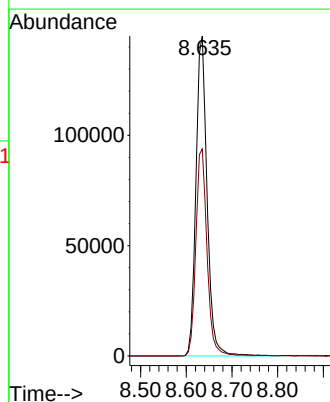
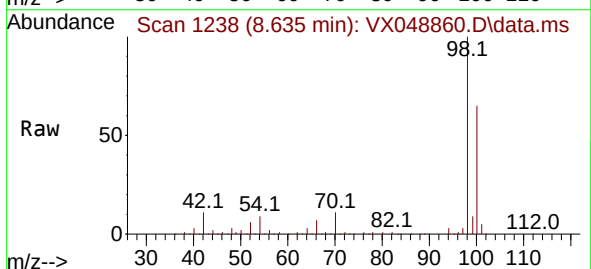
Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

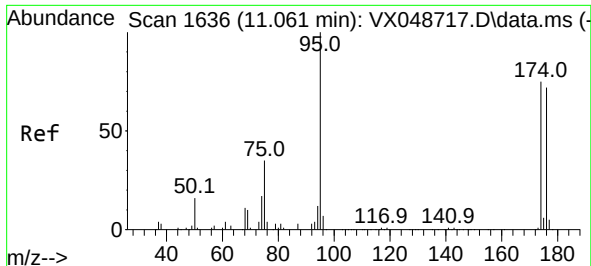
Tgt Ion:130 Resp: 39321
Ion Ratio Lower Upper
130 100
95 93.7 0.0 189.6



#50
Toluene-d8
Concen: 47.871 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion: 98 Resp: 245864
Ion Ratio Lower Upper
98 100
100 64.9 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 58.681 ug/l

RT: 11.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048860.D

Acq: 12 Dec 2025 17:09

Instrument :

MSVOA_X

ClientSampleId :

TB01-121125

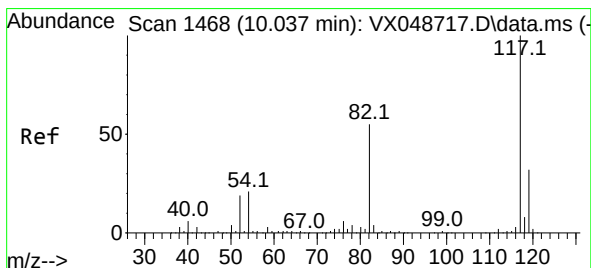
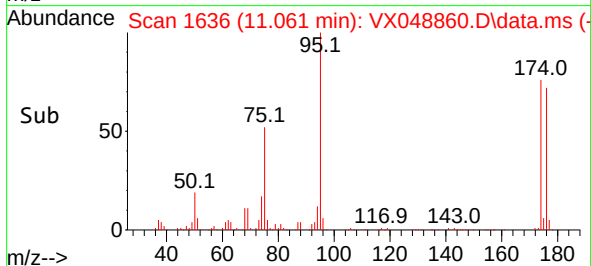
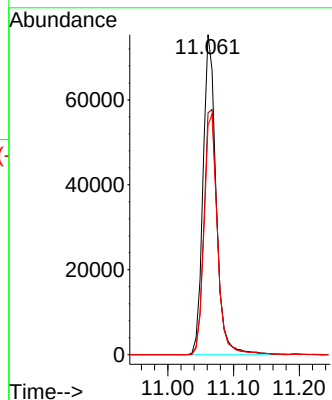
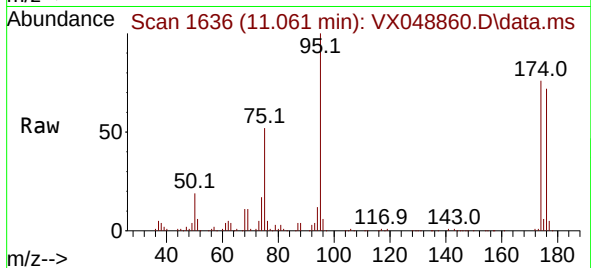
Tgt Ion: 95 Resp: 103927

Ion Ratio Lower Upper

95 100

174 80.2 0.0 157.8

176 76.9 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048860.D

Acq: 12 Dec 2025 17:09

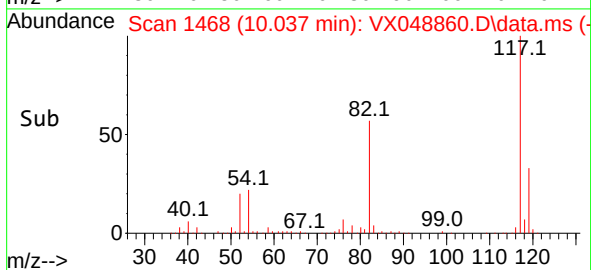
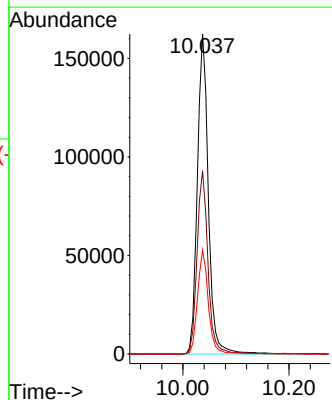
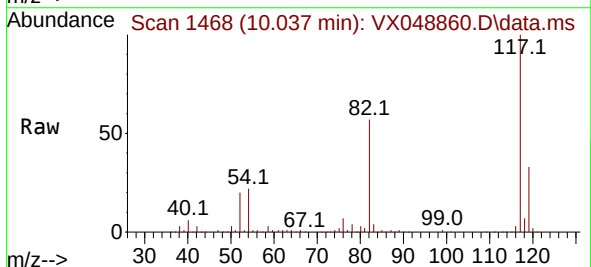
Tgt Ion: 117 Resp: 234059

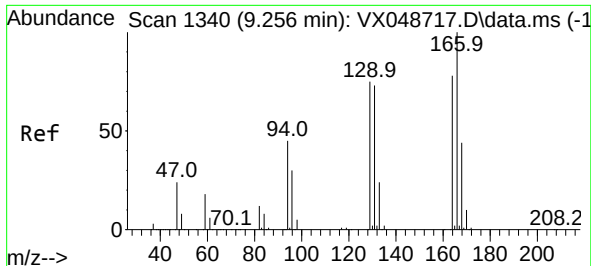
Ion Ratio Lower Upper

117 100

82 57.3 44.1 66.1

119 32.5 25.2 37.8



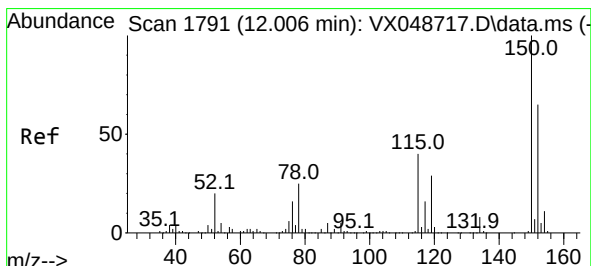
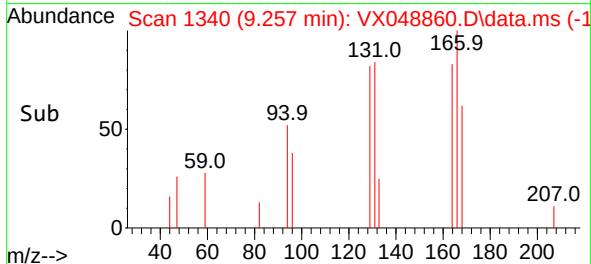
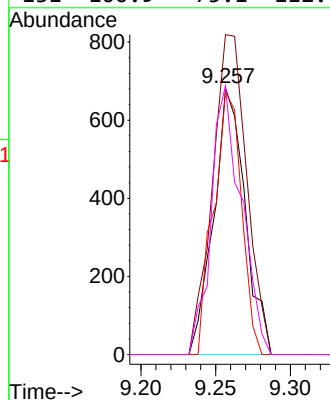
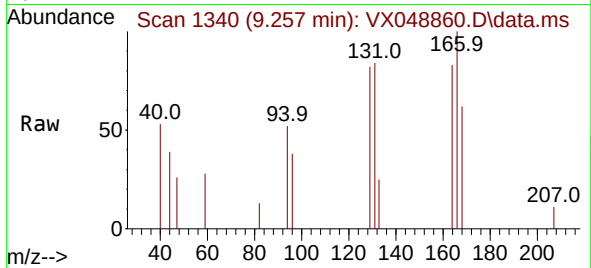


#64
Tetrachloroethene
Concen: 0.586 ug/l
RT: 9.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

Tgt Ion:164 Resp: 999

Ion	Ratio	Lower	Upper
164	100		
166	120.1	103.1	154.7
129	98.7	76.9	115.3
131	100.9	75.1	112.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion:152 Resp: 119727

Ion	Ratio	Lower	Upper
152	100		
115	58.3	42.1	126.4
150	157.9	0.0	347.8

