

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047652.D
 Acq On : 18 Sep 2025 19:11
 Operator : JC/MD
 Sample : Q3095-27
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20250910

Quant Time: Sep 19 01:36:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

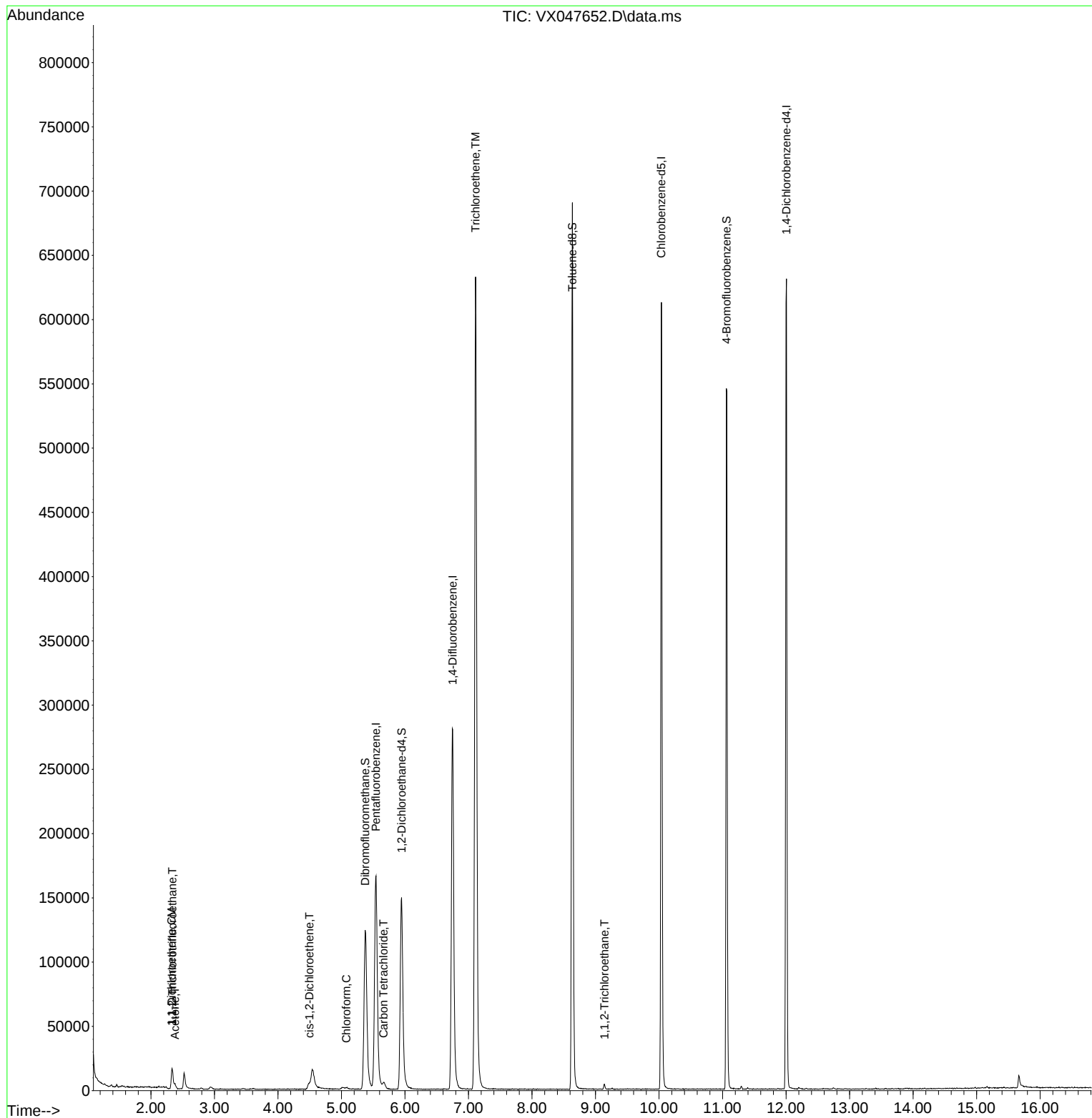
Internal Standards						
1) Pentafluorobenzene	5.544	168	168120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	311795	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	281122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	161813	60.467	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 120.940%#	
35) Dibromofluoromethane	5.373	113	119586	57.189	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.380%	
50) Toluene-d8	8.635	98	420015	58.049	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 116.100%#	
62) 4-Bromofluorobenzene	11.061	95	159945	58.246	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.500%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	3709	1.907	ug/l	95
12) 1,1-Dichloroethene	2.325	96	3754	1.879	ug/l	94
16) Acetone	2.380	43	4202	3.611	ug/l #	84
27) cis-1,2-Dichloroethene	4.495	96	3034	1.152	ug/l #	1
30) Chloroform	5.074	83	1686	0.393	ug/l #	78
38) Carbon Tetrachloride	5.660	117	4412	1.329	ug/l #	94
44) Trichloroethene	7.110	130	264786	118.014	ug/l	97
55) 1,1,2-Trichloroethane	9.141	97	1070	0.485	ug/l	96

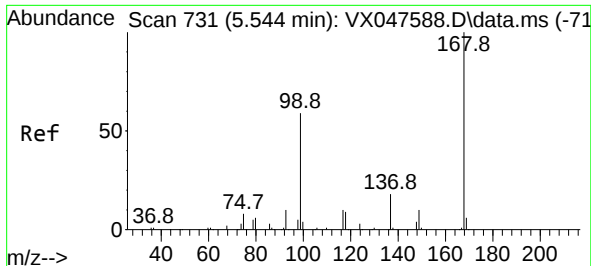
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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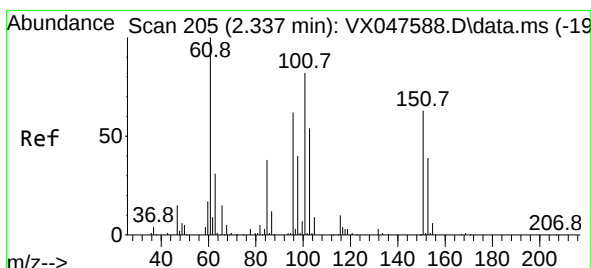
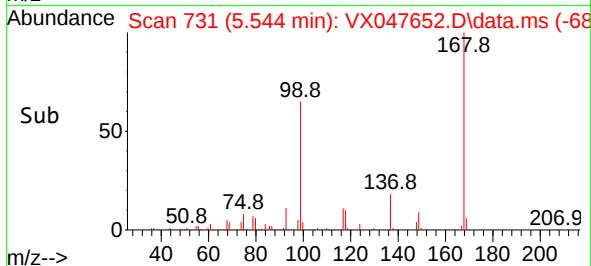
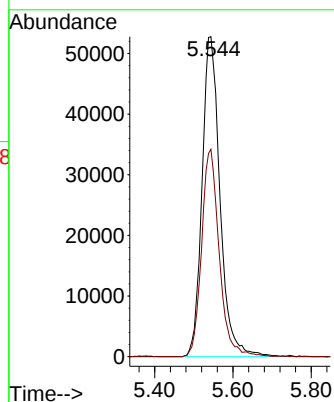
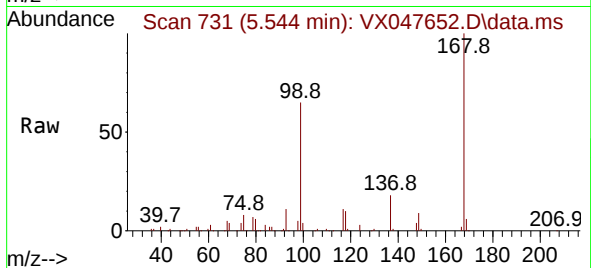




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

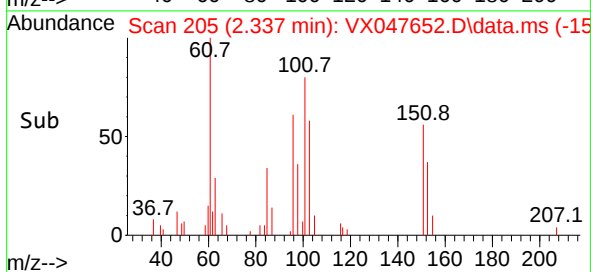
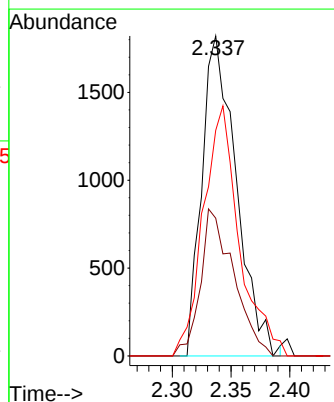
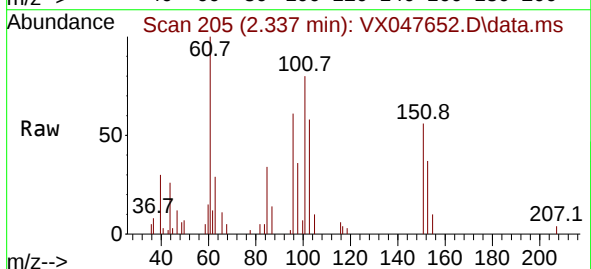
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

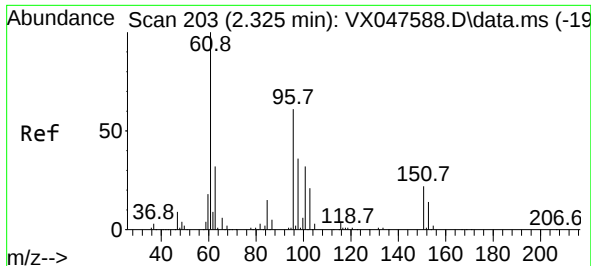
Tgt Ion:168 Resp: 168120
Ion Ratio Lower Upper
168 100
99 64.8 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.907 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

Tgt Ion:101 Resp: 3709
Ion Ratio Lower Upper
101 100
85 44.5 35.5 53.3
151 81.6 59.4 89.0

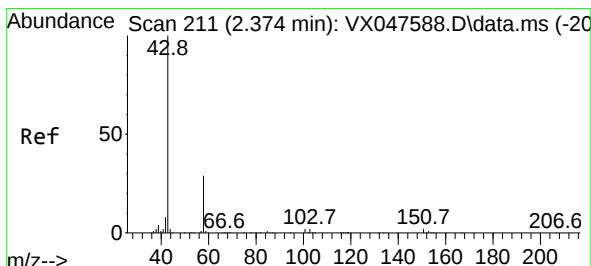
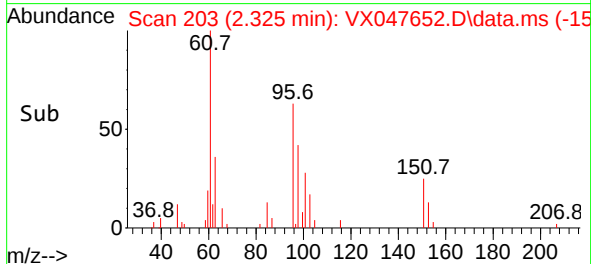
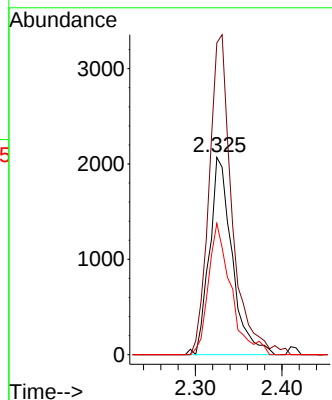
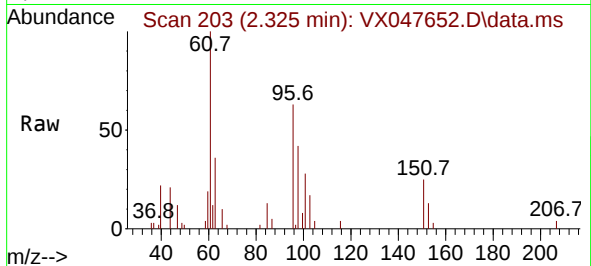




#12
1,1-Dichloroethene
Concen: 1.879 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

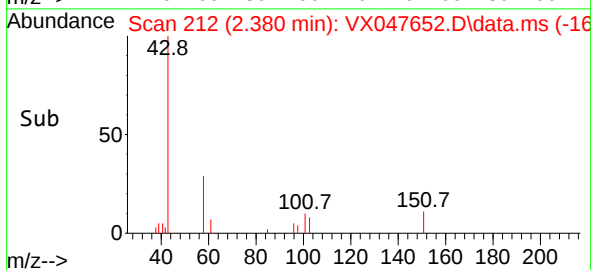
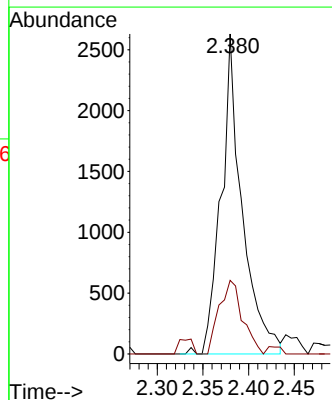
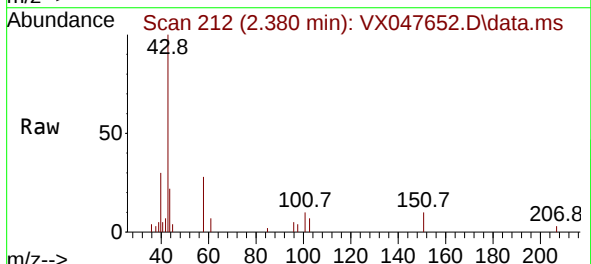
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

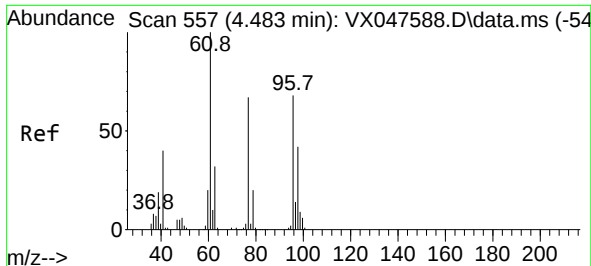
Tgt Ion: 96 Resp: 3754
Ion Ratio Lower Upper
96 100
61 158.0 131.0 196.6
98 66.5 47.7 71.5



#16
Acetone
Concen: 3.611 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

Tgt Ion: 43 Resp: 4202
Ion Ratio Lower Upper
43 100
58 20.9 23.4 35.0#





#27

cis-1,2-Dichloroethene

Concen: 1.152 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX047652.D

Acq: 18 Sep 2025 19:11

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20250910

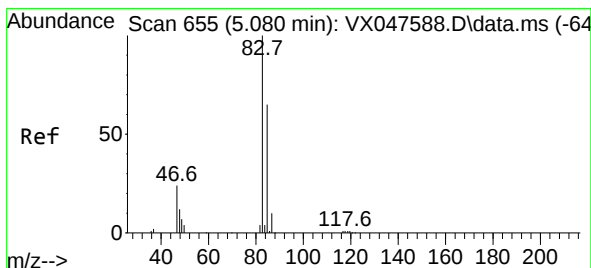
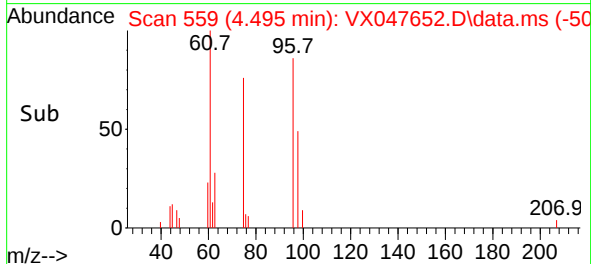
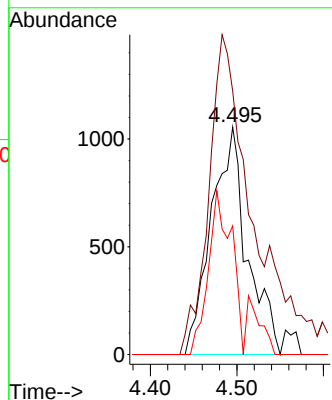
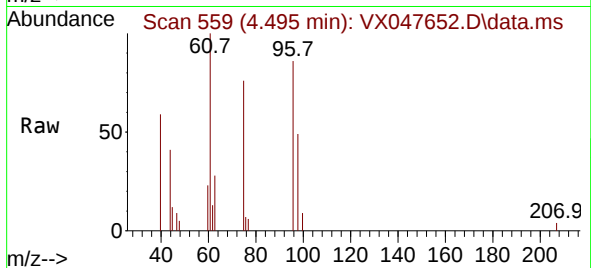
Tgt Ion: 96 Resp: 3034

Ion Ratio Lower Upper

96 100

61 0.0 0.0 303.2

98 9.9 0.0 127.8



#30

Chloroform

Concen: 0.393 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047652.D

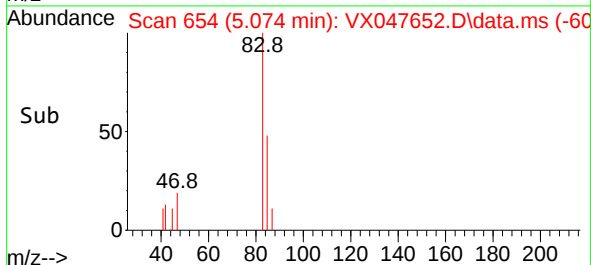
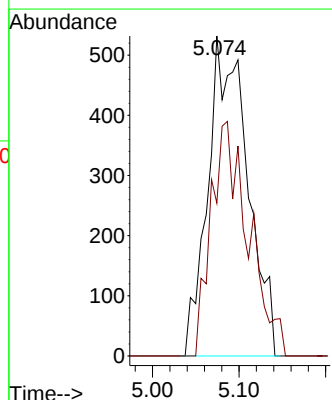
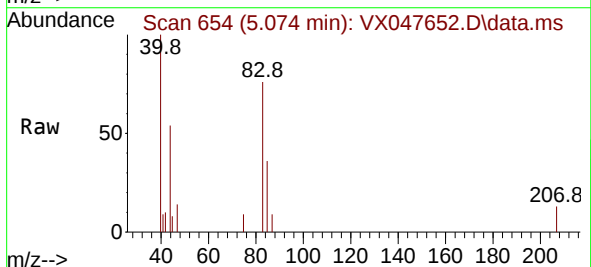
Acq: 18 Sep 2025 19:11

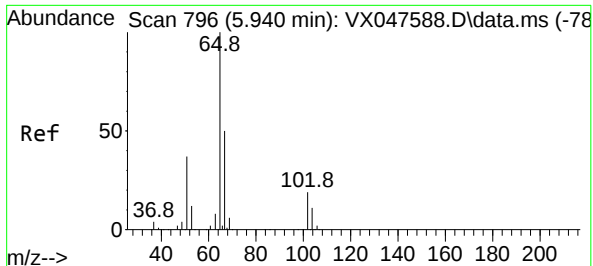
Tgt Ion: 83 Resp: 1686

Ion Ratio Lower Upper

83 100

85 47.7 51.8 77.6#





#33

1,2-Dichloroethane-d4

Concen: 60.467 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047652.D

Acq: 18 Sep 2025 19:11

Instrument :

MSVOA_X

ClientSampleId :

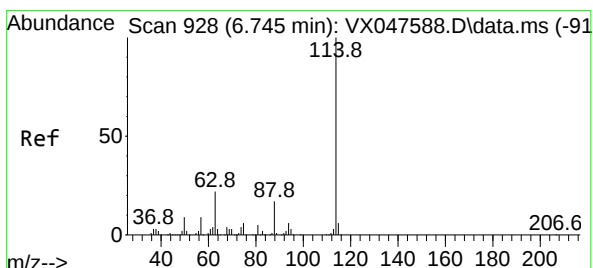
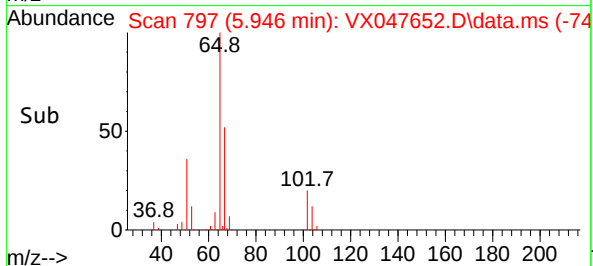
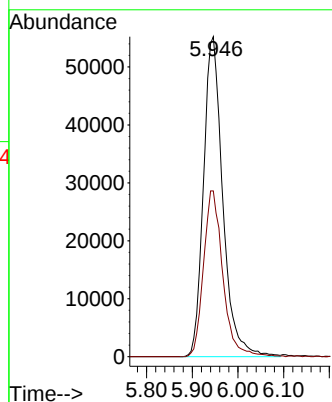
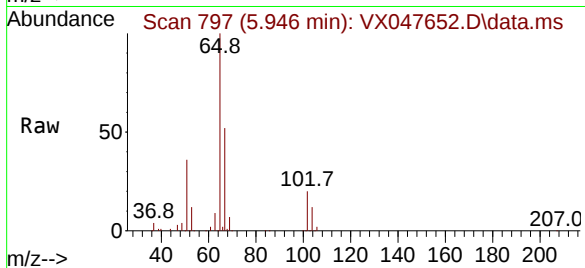
RE117D1-20250910

Tgt Ion: 65 Resp: 161813

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047652.D

Acq: 18 Sep 2025 19:11

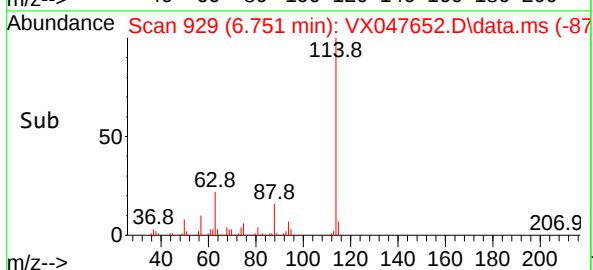
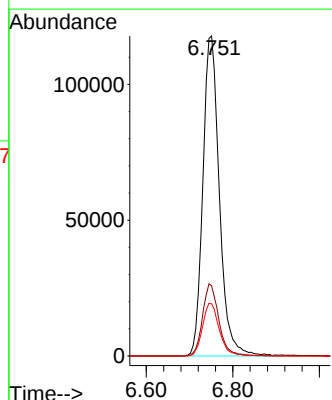
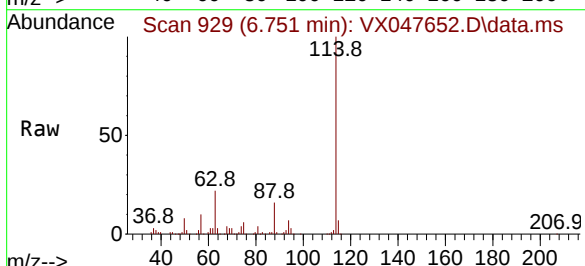
Tgt Ion: 114 Resp: 311795

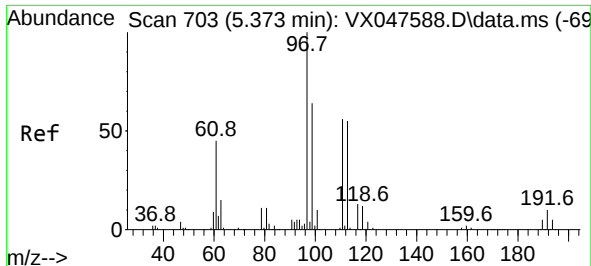
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 16.3 0.0 34.2

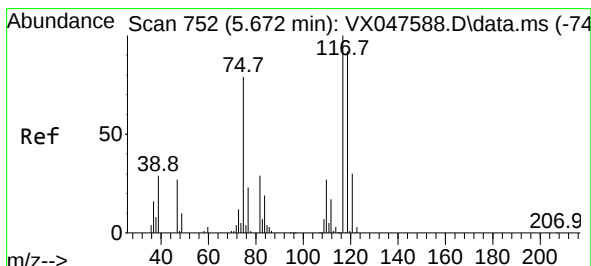
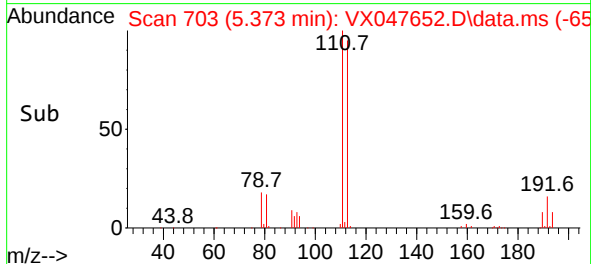
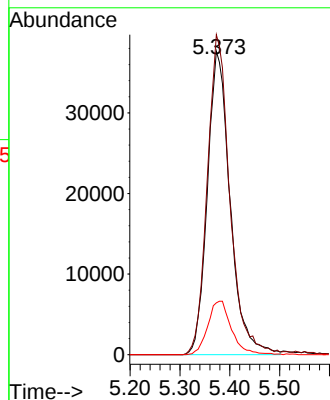
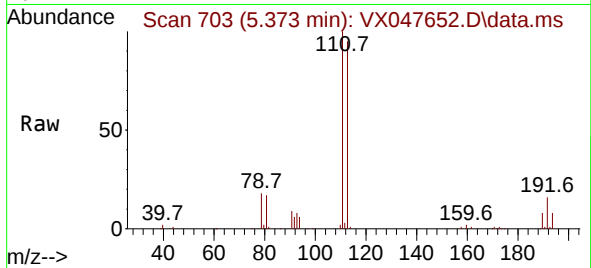




#35
Dibromofluoromethane
Concen: 57.189 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

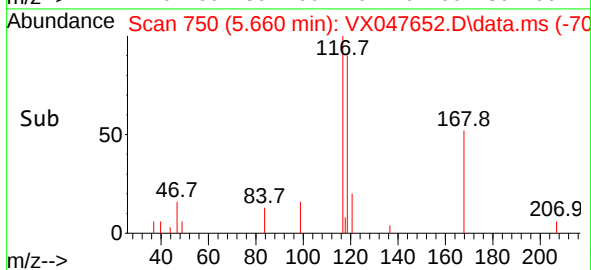
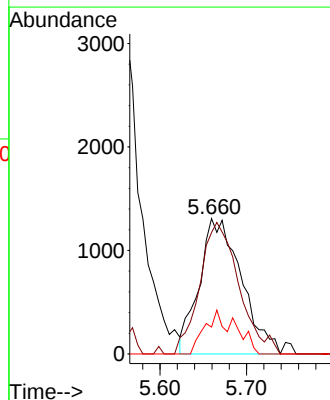
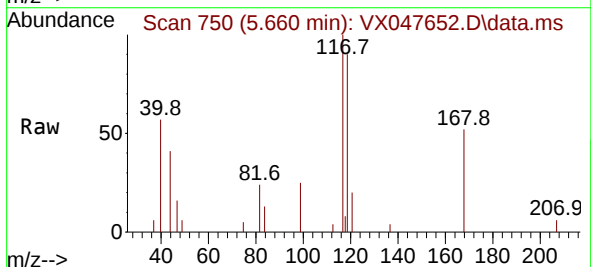
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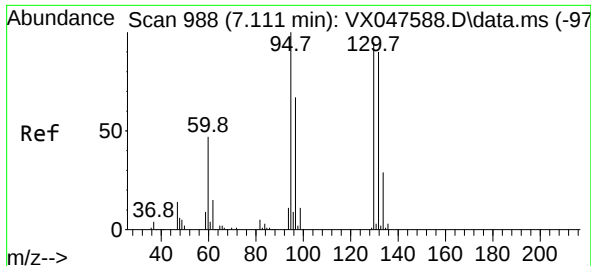
Tgt Ion:113 Resp: 119586
Ion Ratio Lower Upper
113 100
111 104.7 80.9 121.3
192 18.3 14.2 21.4



#38
Carbon Tetrachloride
Concen: 1.329 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

Tgt Ion:117 Resp: 4412
Ion Ratio Lower Upper
117 100
119 89.8 73.4 110.2
121 19.9 23.8 35.6#

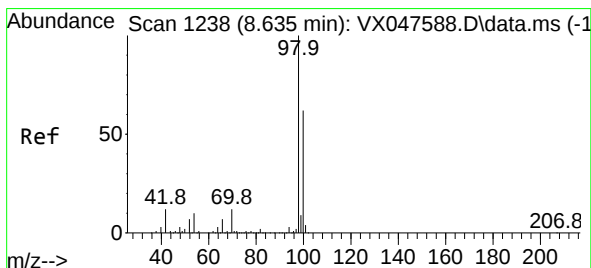
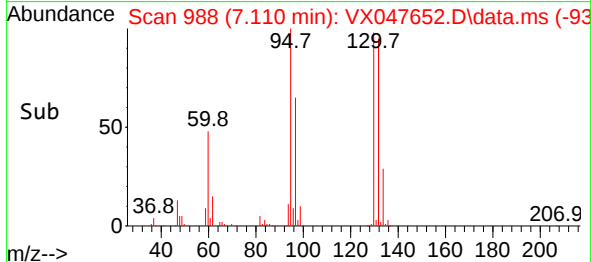
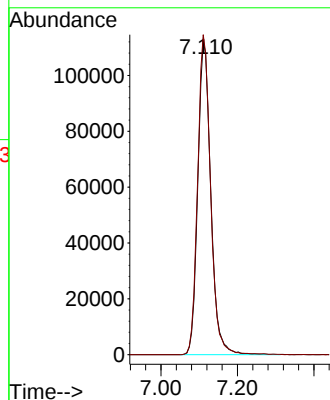
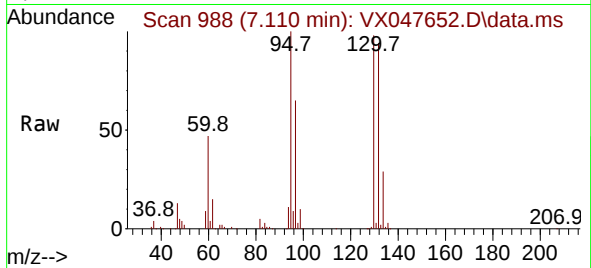




#44
Trichloroethene
Concen: 118.014 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

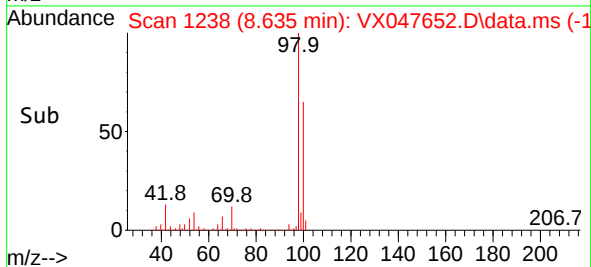
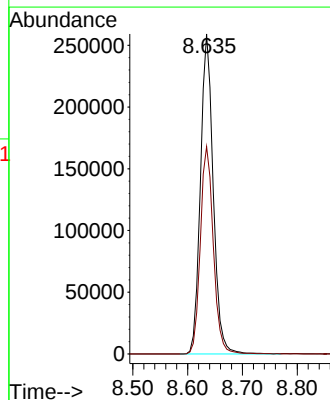
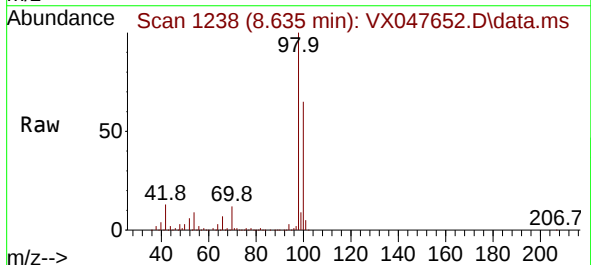
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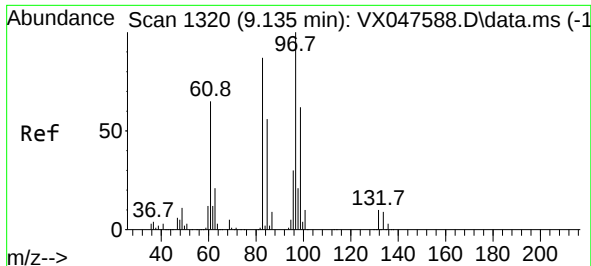
Tgt Ion:130 Resp: 264786
Ion Ratio Lower Upper
130 100
95 101.9 0.0 210.8



#50
Toluene-d8
Concen: 58.049 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

Tgt Ion: 98 Resp: 420015
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

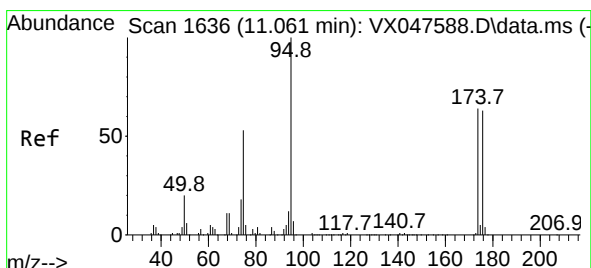
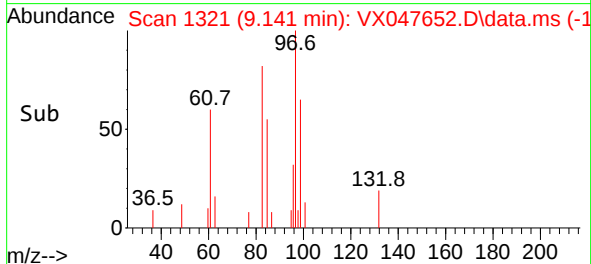
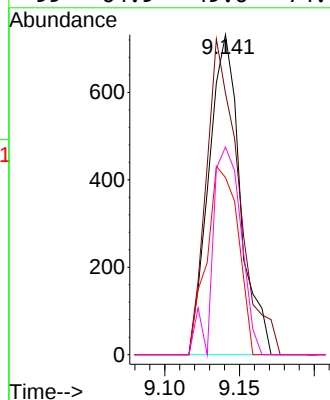
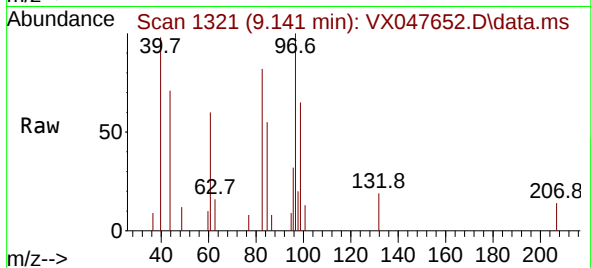




#55
1,1,2-Trichloroethane
Concen: 0.485 ug/l
RT: 9.141 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

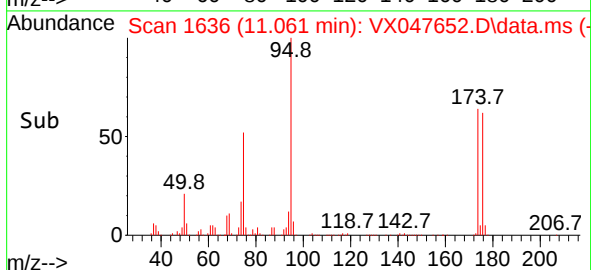
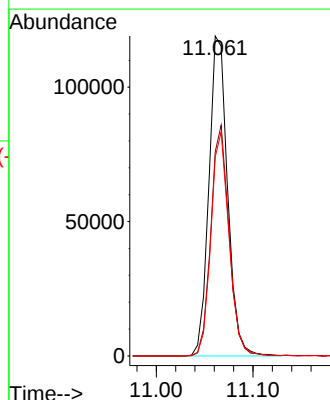
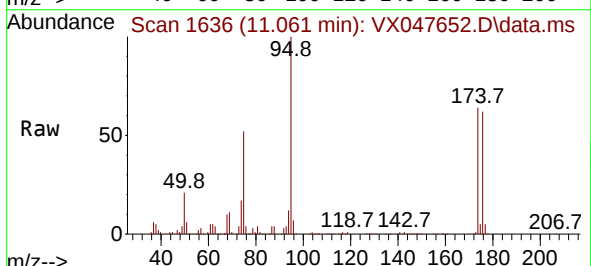
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20250910

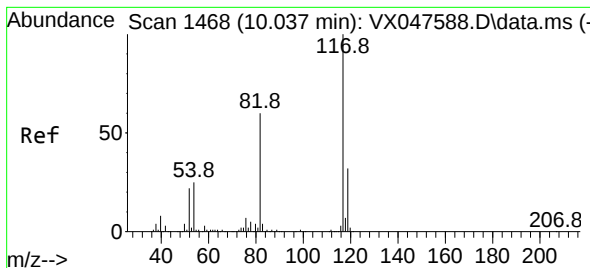
Tgt Ion: 97	Resp: 1070
Ion Ratio	Lower Upper
97 100	
83 81.7	69.6 104.4
85 55.3	45.0 67.6
99 64.9	49.6 74.4



#62
4-Bromofluorobenzene
Concen: 58.246 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047652.D
Acq: 18 Sep 2025 19:11

Tgt Ion: 95	Resp: 159945
Ion Ratio	Lower Upper
95 100	
174 70.3	0.0 141.6
176 67.8	0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047652.D

Acq: 18 Sep 2025 19:11

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20250910

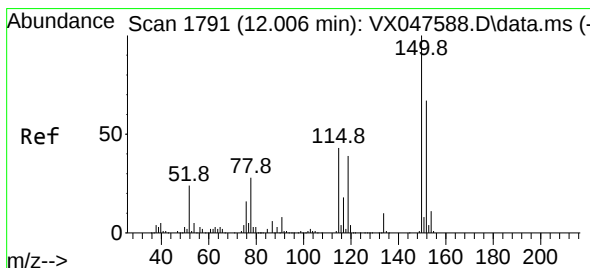
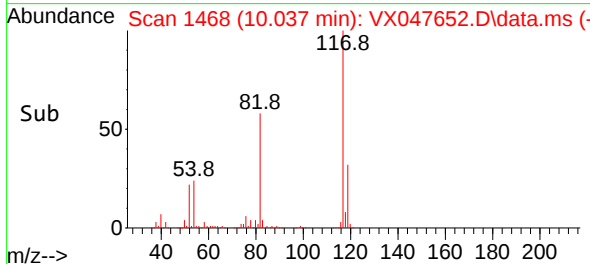
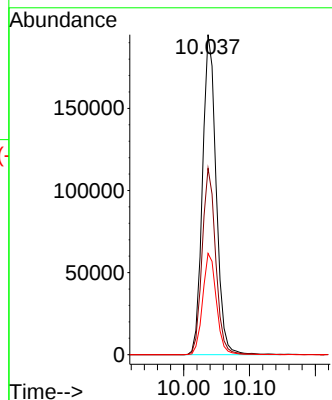
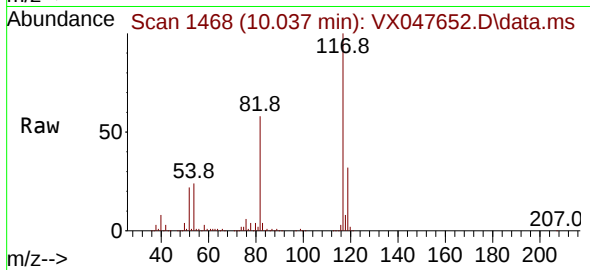
Tgt Ion:117 Resp: 281122

Ion Ratio Lower Upper

117 100

82 58.2 47.8 71.6

119 31.6 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047652.D

Acq: 18 Sep 2025 19:11

Tgt Ion:152 Resp: 134866

Ion Ratio Lower Upper

152 100

115 63.0 44.9 134.5

150 157.5 0.0 352.0

