

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047611.D
 Acq On : 17 Sep 2025 12:42
 Operator : JC/MD
 Sample : Q3095-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20250909

Quant Time: Sep 18 02:03:02 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)

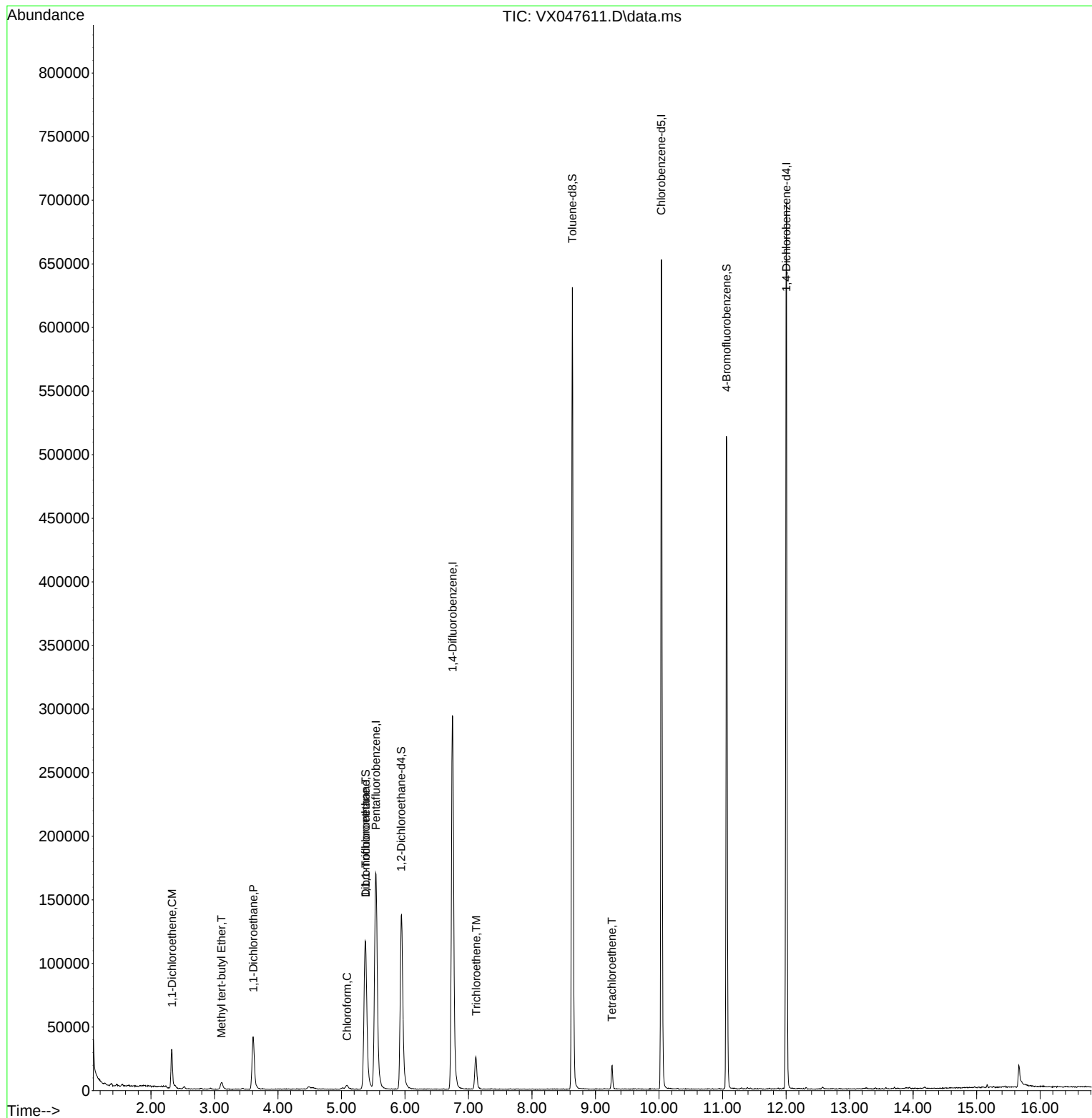
Internal Standards						
1) Pentafluorobenzene	5.544	168	173264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	324366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	150415	54.539	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.080%	
35) Dibromofluoromethane	5.379	113	110705	50.890	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.780%	
50) Toluene-d8	8.635	98	386684	51.371	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	11.061	95	151703	53.104	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.200%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.331	96	12155	5.905	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	6881	0.916	ug/l	98
24) 1,1-Dichloroethane	3.611	63	53206	12.159	ug/l	99
30) Chloroform	5.086	83	3770	0.853	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	7492	1.998	ug/l	98
44) Trichloroethene	7.123	130	10776	4.617	ug/l	95
64) Tetrachloroethene	9.256	164	3658	1.903	ug/l	95

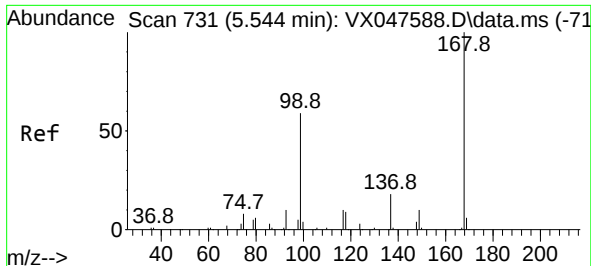
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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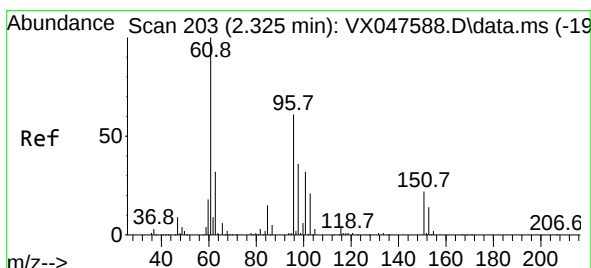
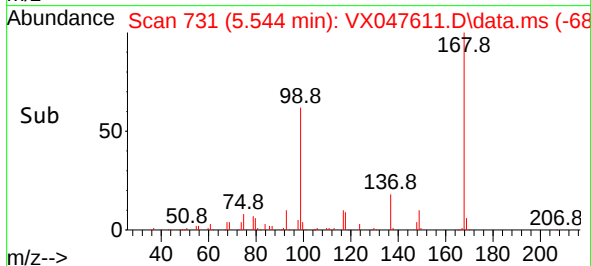
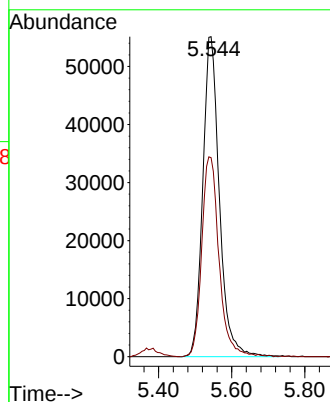
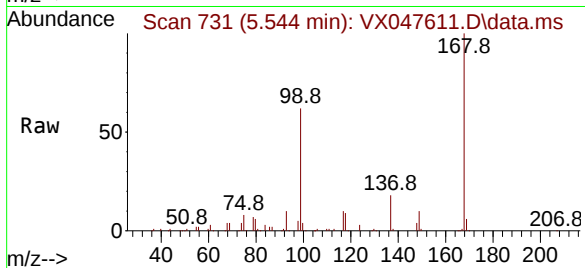




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

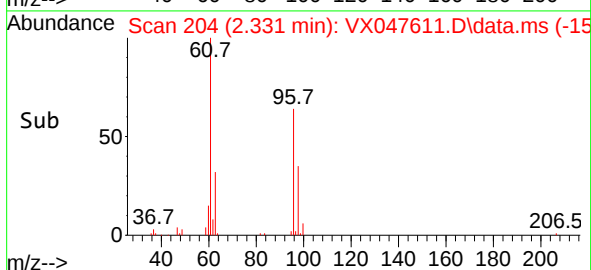
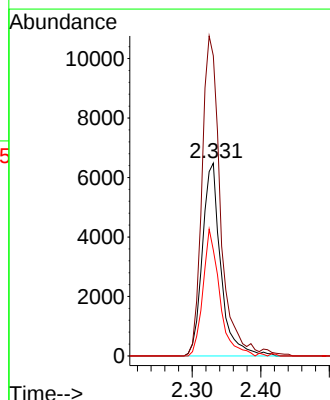
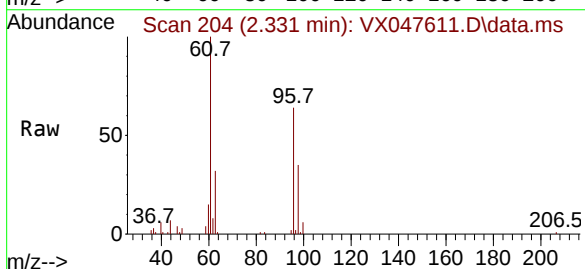
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

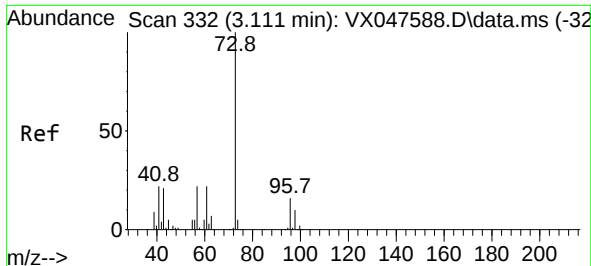
Tgt Ion:168 Resp: 173264
Ion Ratio Lower Upper
168 100
99 62.2 48.8 73.2



#12
1,1-Dichloroethene
Concen: 5.905 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 96 Resp: 12155
Ion Ratio Lower Upper
96 100
61 151.6 131.0 196.6
98 55.5 47.7 71.5

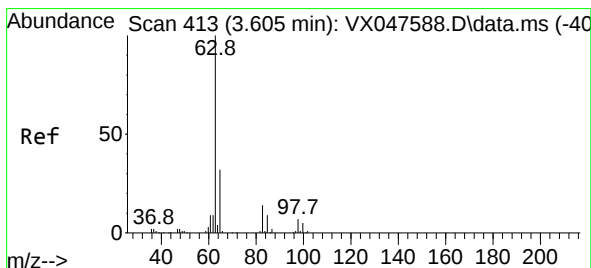
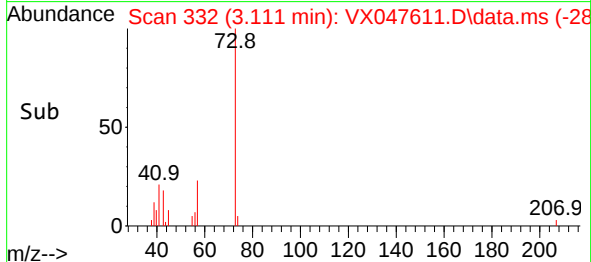
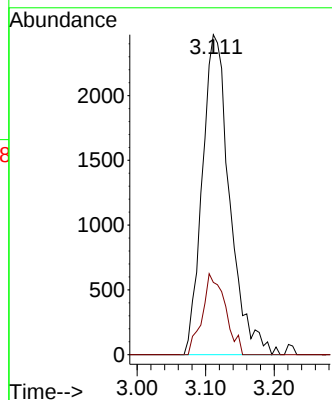
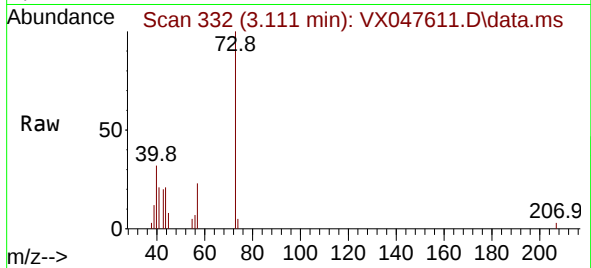




#19
Methyl tert-butyl Ether
Concen: 0.916 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

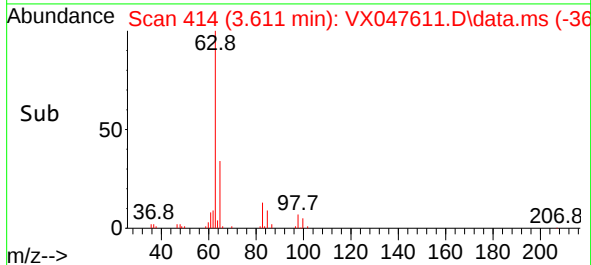
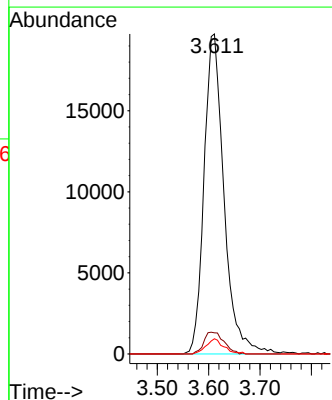
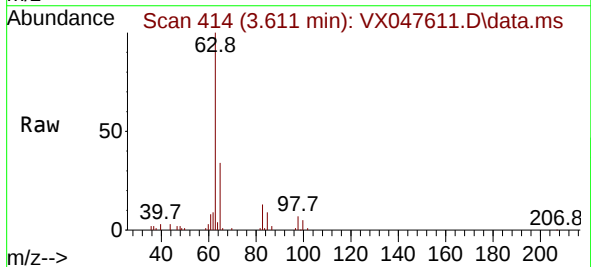
Instrument :
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ClientSampleId :
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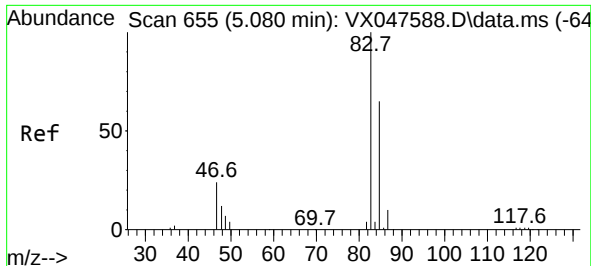
Tgt Ion: 73 Resp: 6881
Ion Ratio Lower Upper
73 100
57 22.6 17.4 26.2



#24
1,1-Dichloroethane
Concen: 12.159 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 63 Resp: 53206
Ion Ratio Lower Upper
63 100
98 7.1 3.8 11.2
100 4.7 2.3 6.9

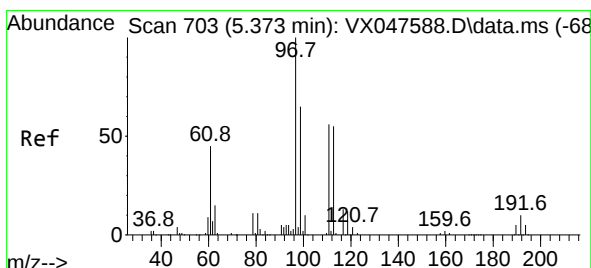
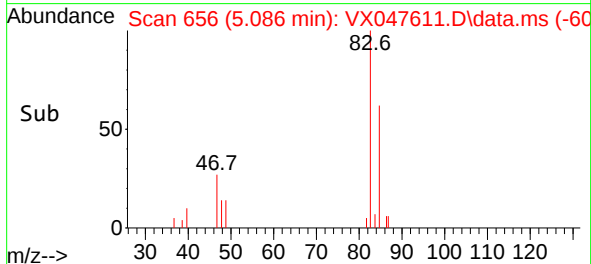
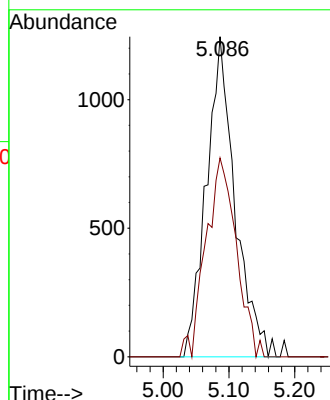
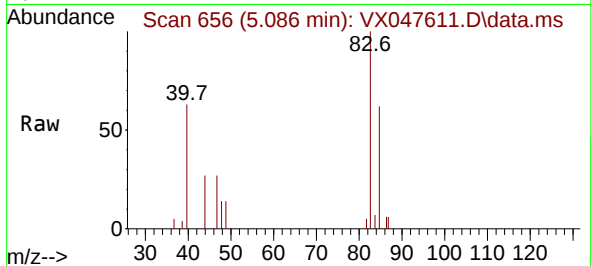




#30
Chloroform
Concen: 0.853 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

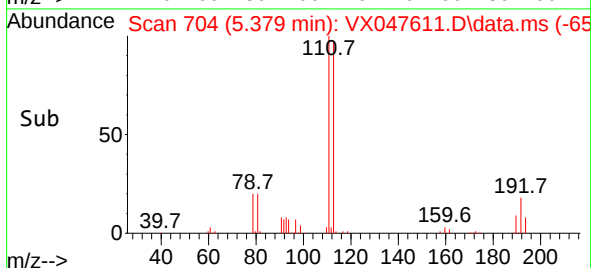
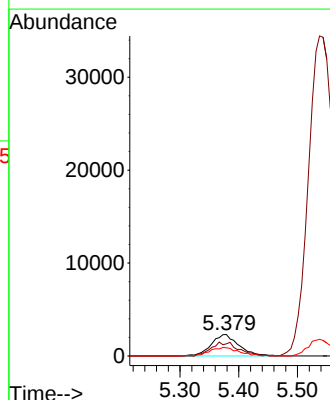
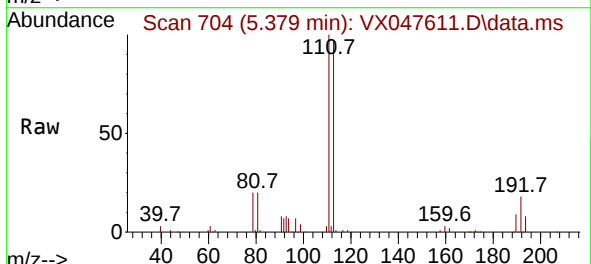
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

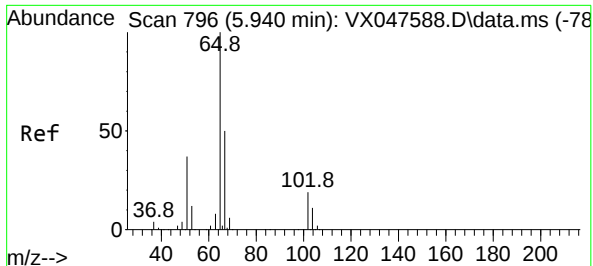
Tgt Ion: 83 Resp: 3770
Ion Ratio Lower Upper
83 100
85 62.1 51.8 77.6



#32
1,1,1-Trichloroethane
Concen: 1.998 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 97 Resp: 7492
Ion Ratio Lower Upper
97 100
99 63.7 50.6 76.0
61 41.6 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 54.539 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047611.D

Acq: 17 Sep 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

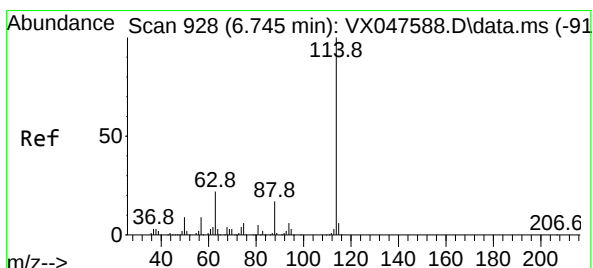
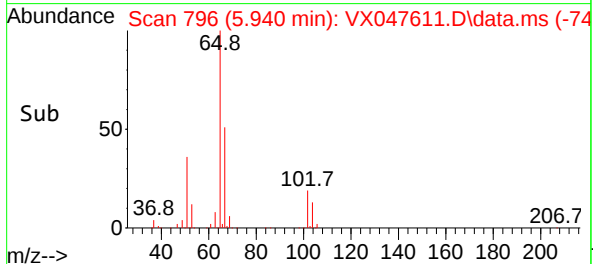
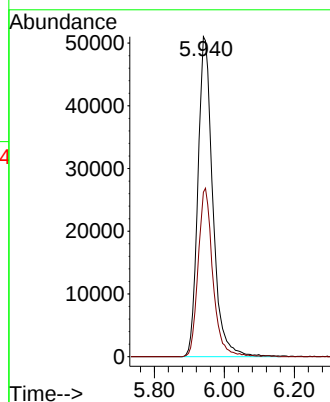
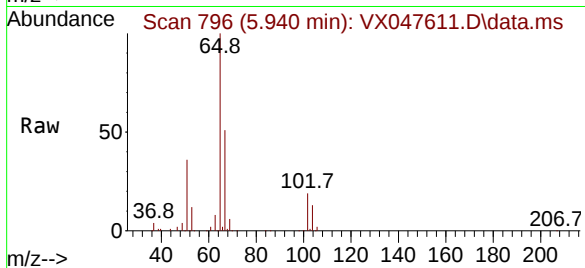
MW203D1-20250909

Tgt Ion: 65 Resp: 150415

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: VX047611.D

Acq: 17 Sep 2025 12:42

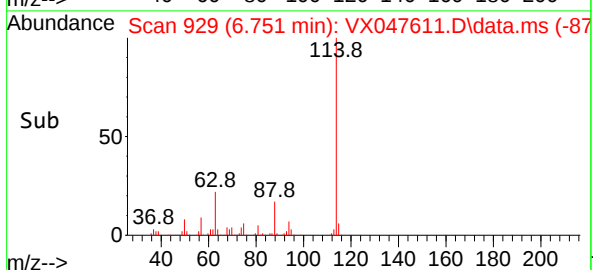
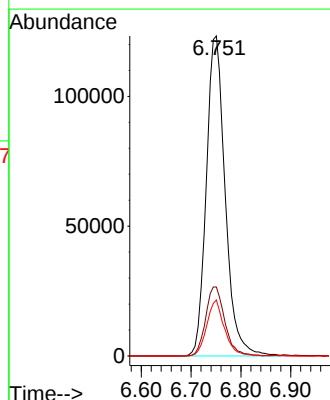
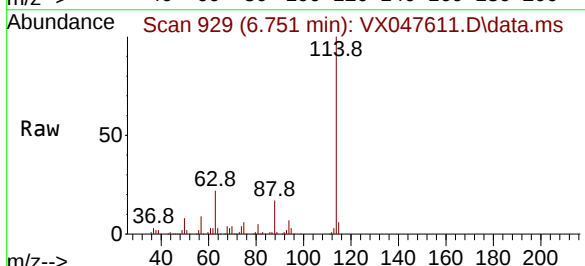
Tgt Ion: 114 Resp: 324366

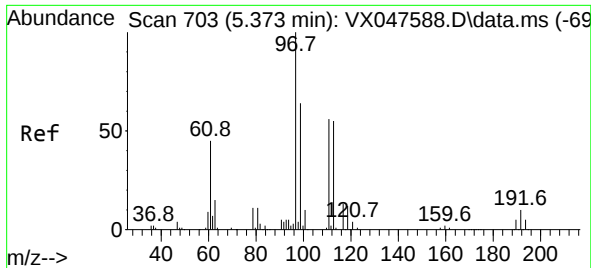
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

88 17.5 0.0 34.2

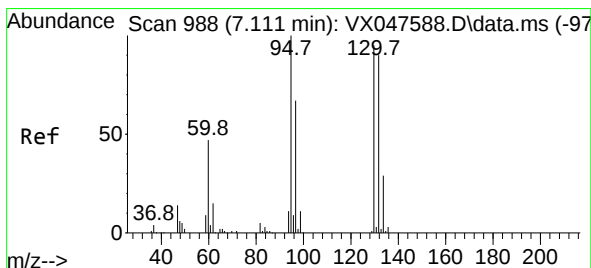
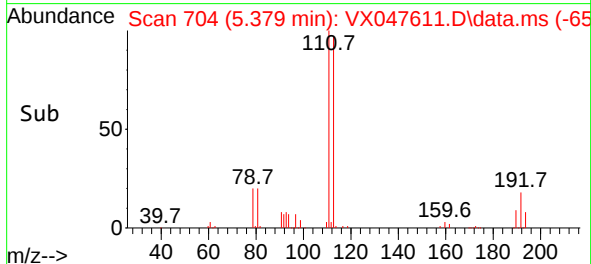
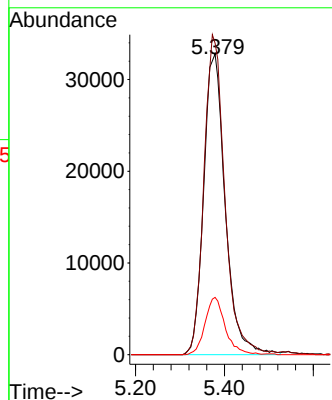
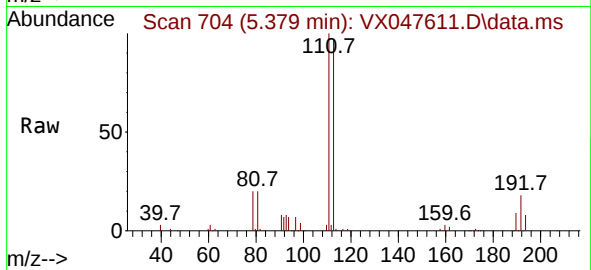




#35
Dibromofluoromethane
Concen: 50.890 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

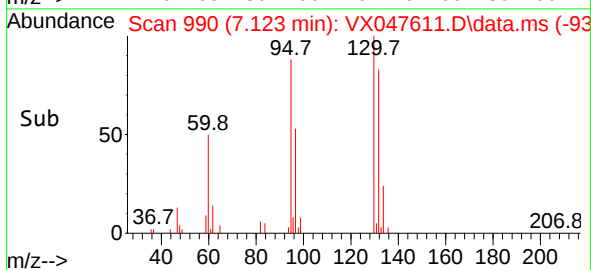
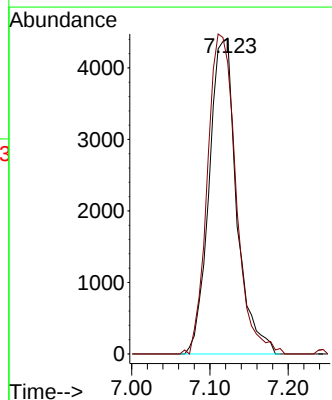
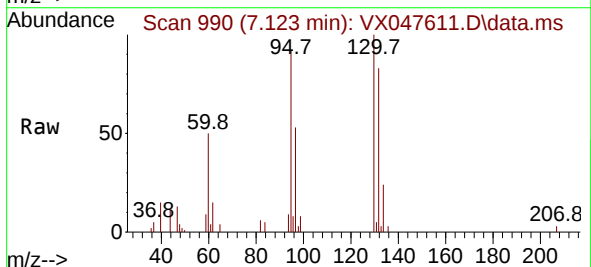
Instrument :
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Tgt Ion:113 Resp: 110705
Ion Ratio Lower Upper
113 100
111 102.7 80.9 121.3
192 17.9 14.2 21.4



#44
Trichloroethene
Concen: 4.617 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion:130 Resp: 10776
Ion Ratio Lower Upper
130 100
95 100.5 0.0 210.8

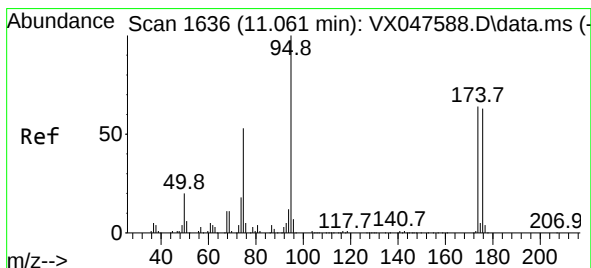
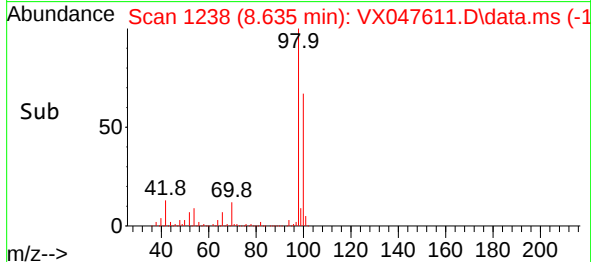
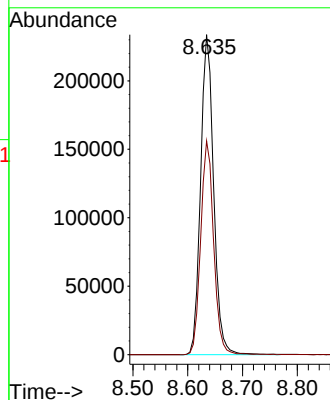
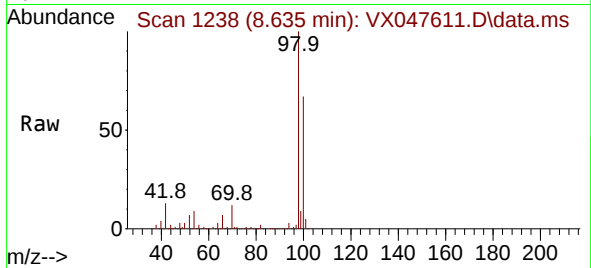




#50
Toluene-d8
Concen: 51.371 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

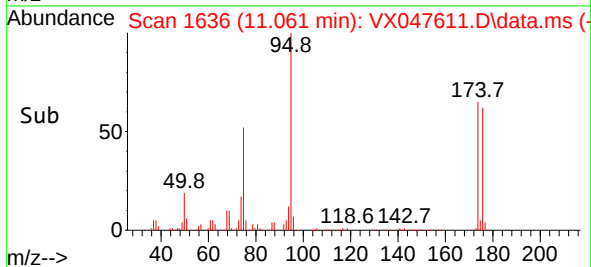
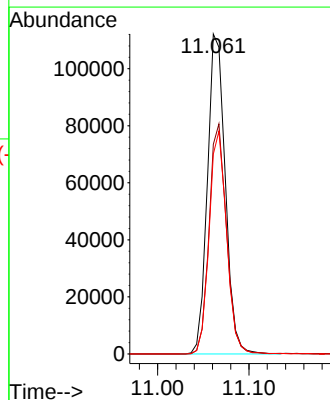
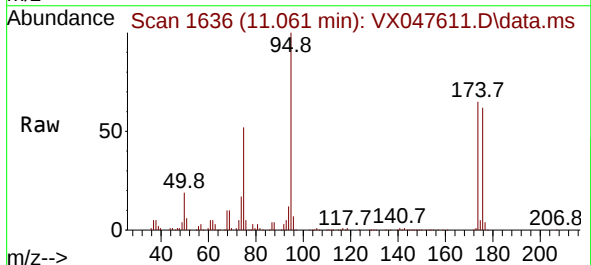
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

Tgt Ion: 98 Resp: 386684
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.104 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 95 Resp: 151703
Ion Ratio Lower Upper
95 100
174 70.0 0.0 141.6
176 68.2 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: VX047611.D

Acq: 17 Sep 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20250909

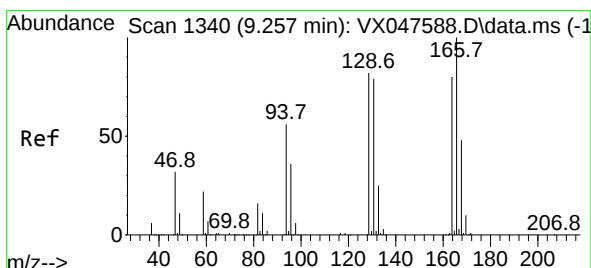
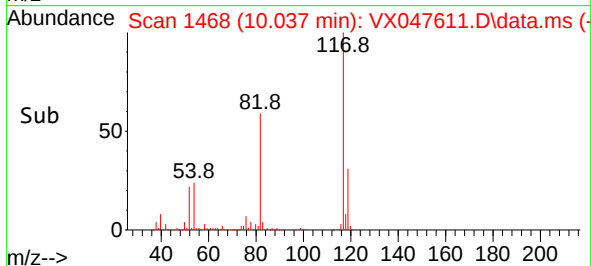
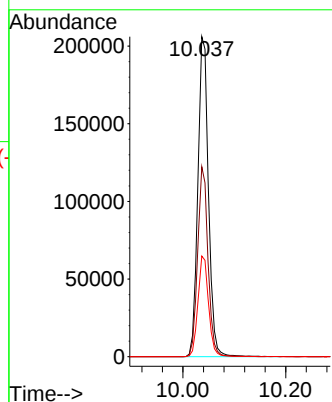
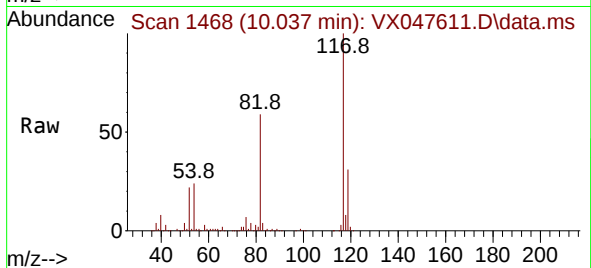
Tgt Ion:117 Resp: 294888

Ion Ratio Lower Upper

117 100

82 59.3 47.8 71.6

119 31.5 25.2 37.8



#64

Tetrachloroethene

Concen: 1.903 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VX047611.D

Acq: 17 Sep 2025 12:42

Tgt Ion:164 Resp: 3658

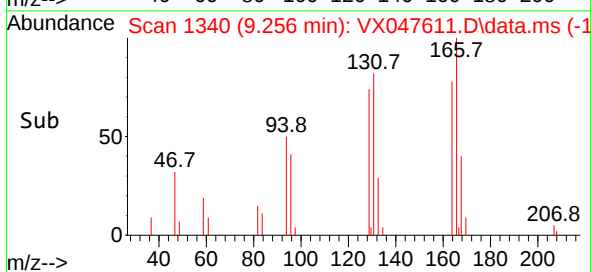
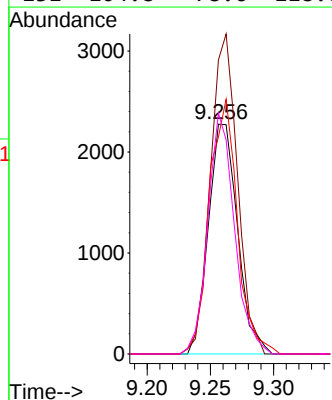
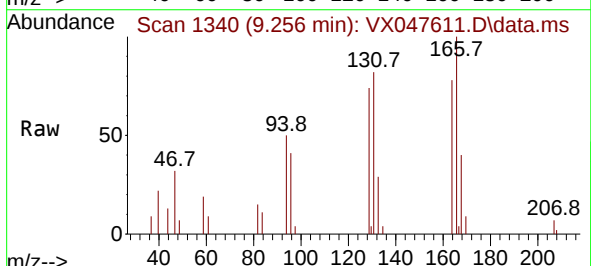
Ion Ratio Lower Upper

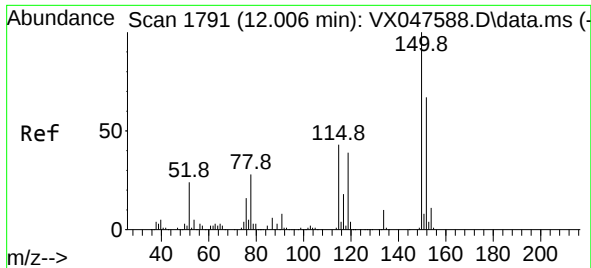
164 100

166 128.0 100.2 150.2

129 94.5 81.8 122.6

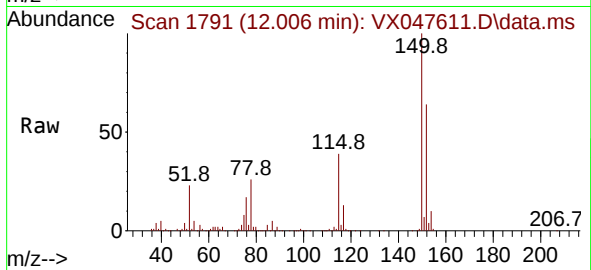
131 104.8 78.6 118.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047611.D
 Acq: 17 Sep 2025 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20250909



Tgt Ion:152 Resp: 144060
 Ion Ratio Lower Upper
 152 100
 115 63.3 44.9 134.5
 150 157.3 0.0 352.0

