

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047609.D
 Acq On : 17 Sep 2025 12:00
 Operator : JC/MD
 Sample : Q3095-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20250908

Quant Time: Sep 18 02:02:17 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)

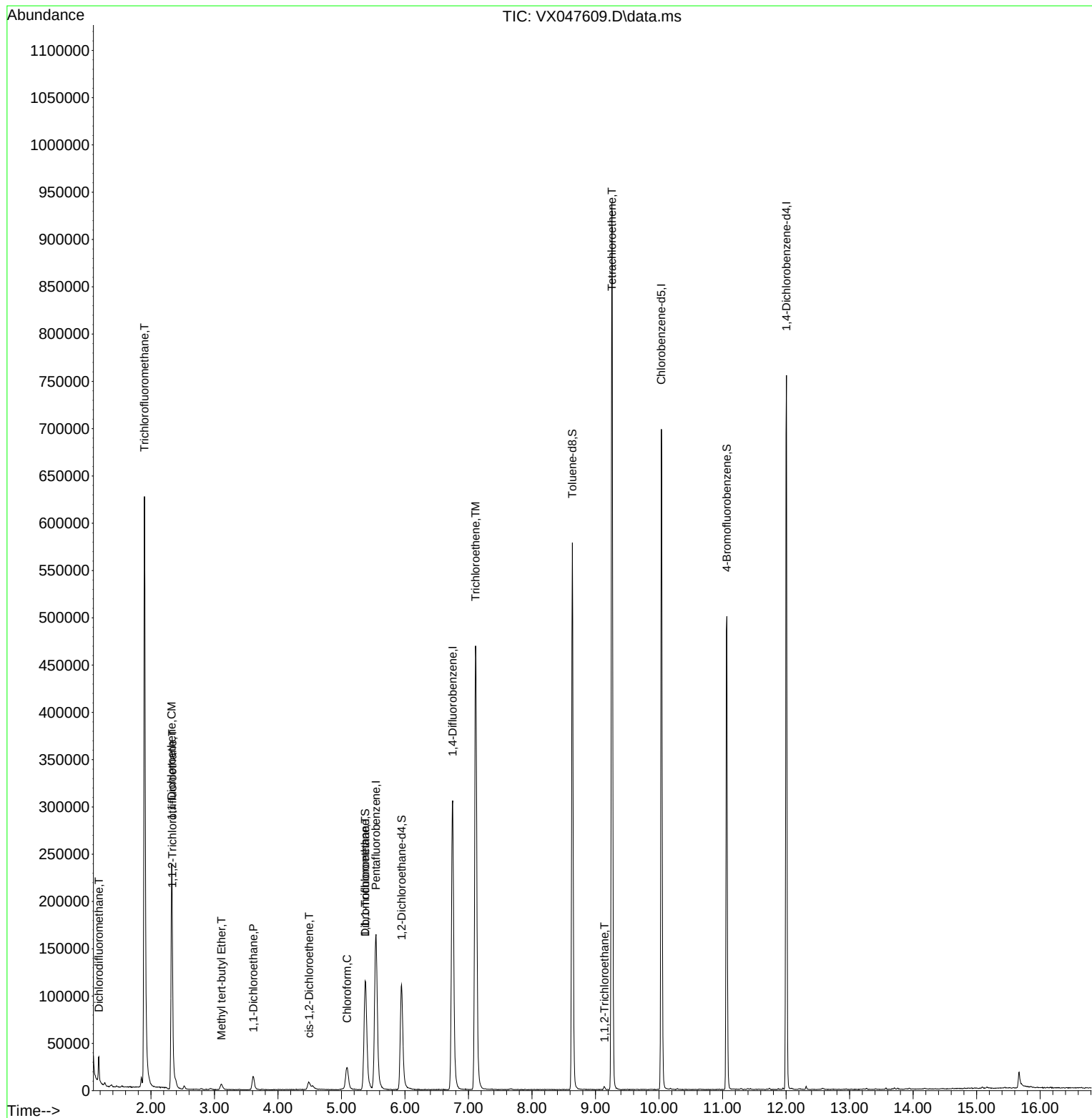
Internal Standards						
1) Pentafluorobenzene	5.543	168	164440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	329692	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	318034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	152611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120762	46.137	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.280%
35) Dibromofluoromethane	5.373	113	99168	44.850	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.700%
50) Toluene-d8	8.634	98	346603	45.303	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.600%#
62) 4-Bromofluorobenzene	11.067	95	145287	50.036	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.178	85	18261	10.724	ug/l	95
7) Trichlorofluoromethane	1.898	101	463624	142.533	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	4819	2.534	ug/l	97
12) 1,1-Dichloroethene	2.325	96	88304	45.198	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	5994	0.840	ug/l	98
24) 1,1-Dichloroethane	3.611	63	18699	4.503	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	5493	2.132	ug/l	92
30) Chloroform	5.086	83	31914	7.605	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	15234	4.280	ug/l	98
44) Trichloroethene	7.110	130	197550	83.268	ug/l	96
55) 1,1,2-Trichloroethane	9.140	97	907	0.389	ug/l #	85
64) Tetrachloroethene	9.256	164	179402	86.532	ug/l	99

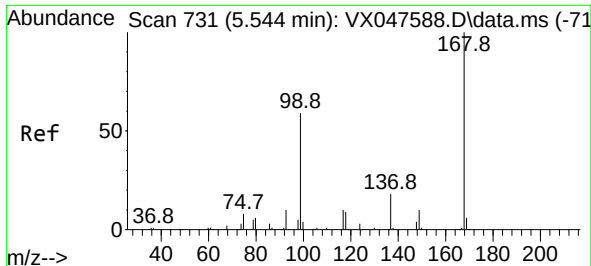
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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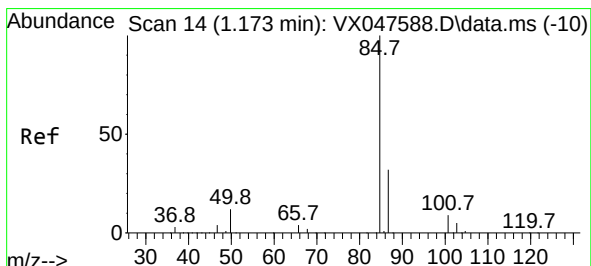
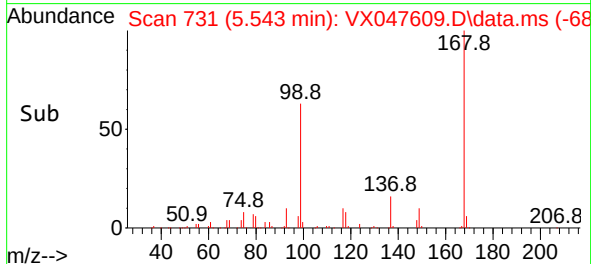
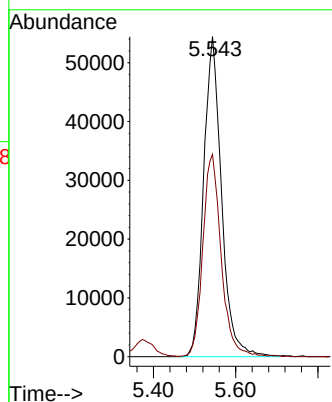
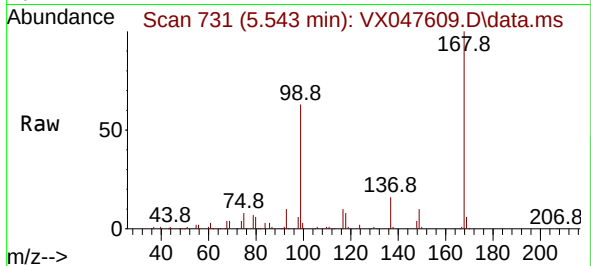




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

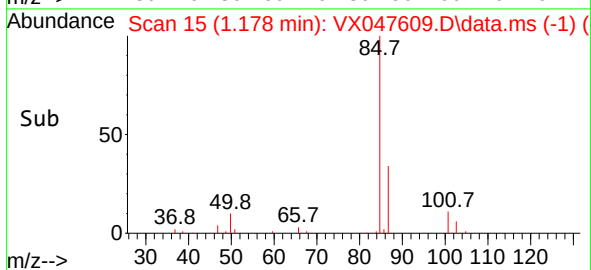
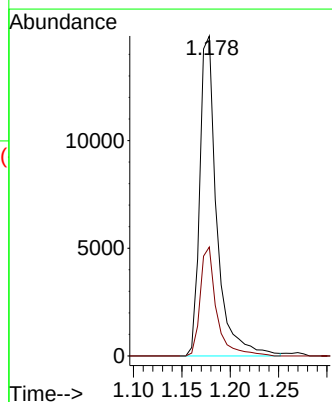
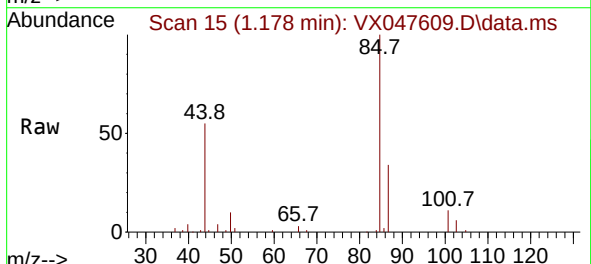
Instrument :
MSVOA_X
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MW201D-20250908

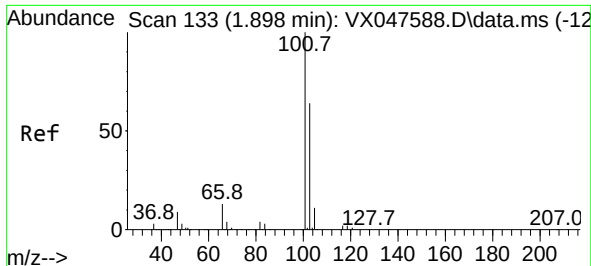
Tgt Ion:168 Resp: 164440
Ion Ratio Lower Upper
168 100
99 63.1 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 10.724 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 85 Resp: 18261
Ion Ratio Lower Upper
85 100
87 34.1 15.8 47.3

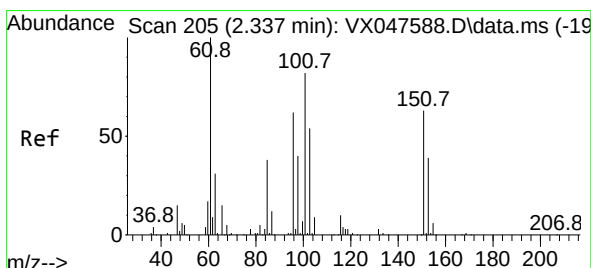
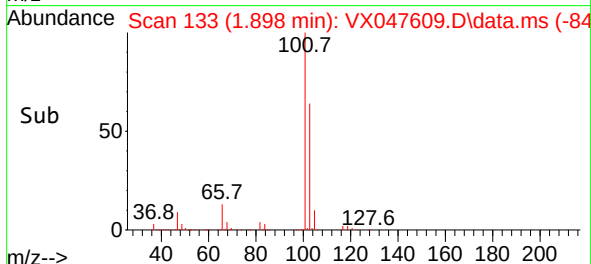
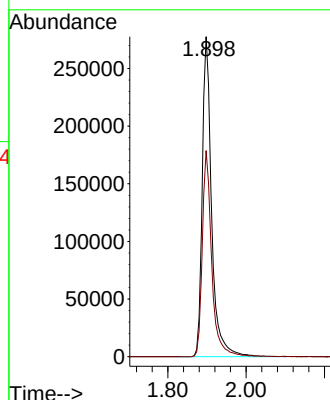
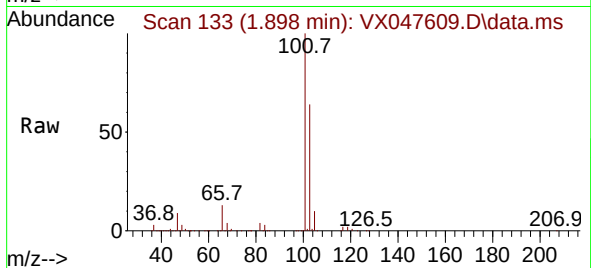




#7
 Trichlorofluoromethane
 Concen: 142.533 ug/l
 RT: 1.898 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047609.D
 Acq: 17 Sep 2025 12:00

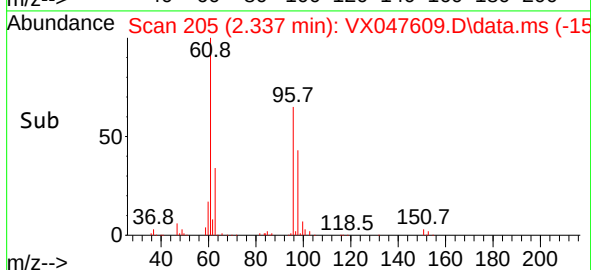
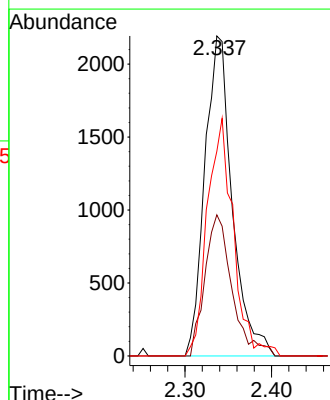
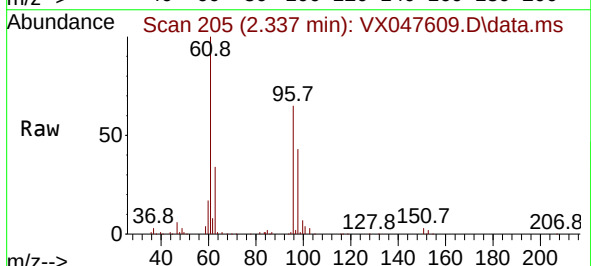
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20250908

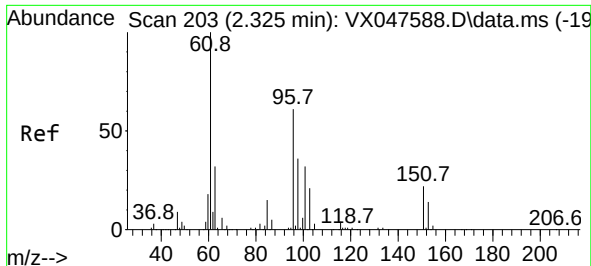
Tgt Ion:101 Resp: 463624
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.534 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX047609.D
 Acq: 17 Sep 2025 12:00

Tgt Ion:101 Resp: 4819
 Ion Ratio Lower Upper
 101 100
 85 43.7 35.5 53.3
 151 70.6 59.4 89.0

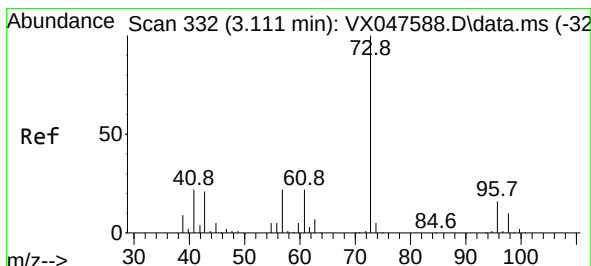
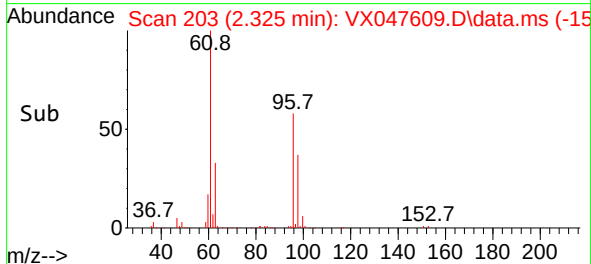
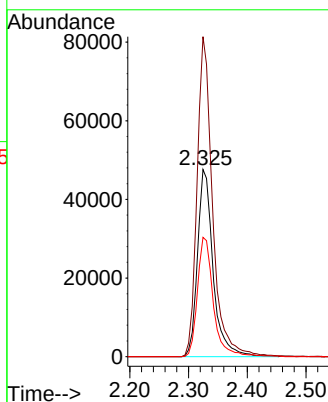
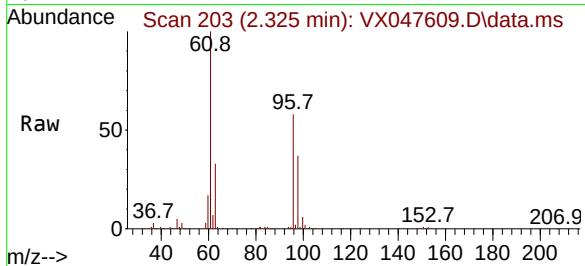




#12
1,1-Dichloroethene
Concen: 45.198 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

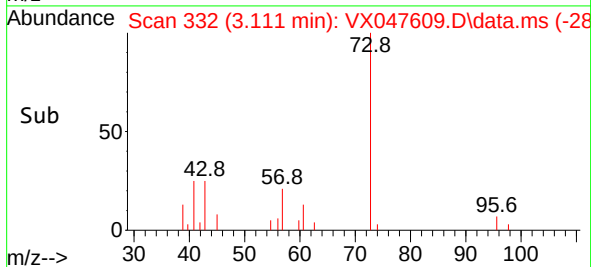
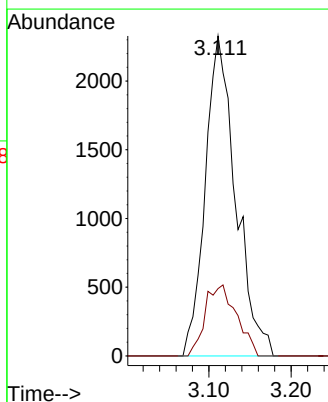
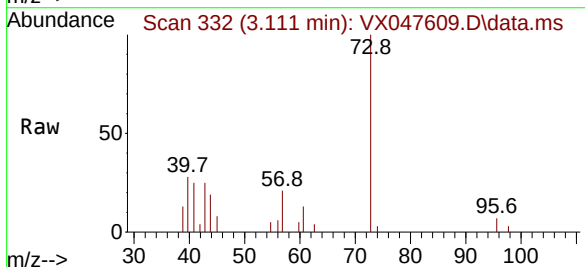
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

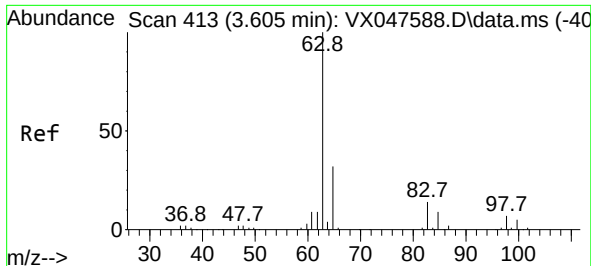
Tgt Ion: 96 Resp: 88304
Ion Ratio Lower Upper
96 100
61 171.0 131.0 196.6
98 65.5 47.7 71.5



#19
Methyl tert-butyl Ether
Concen: 0.840 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 73 Resp: 5994
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2

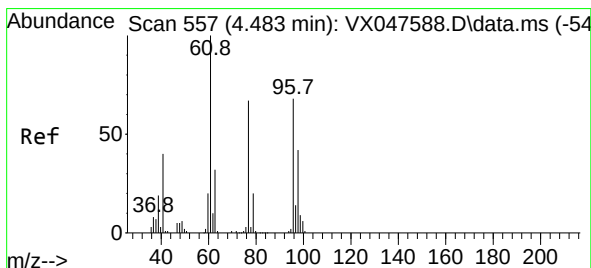
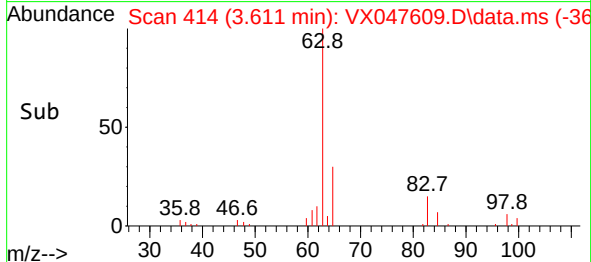
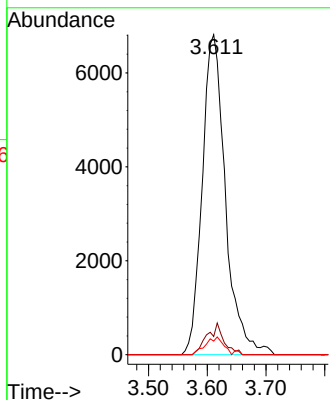
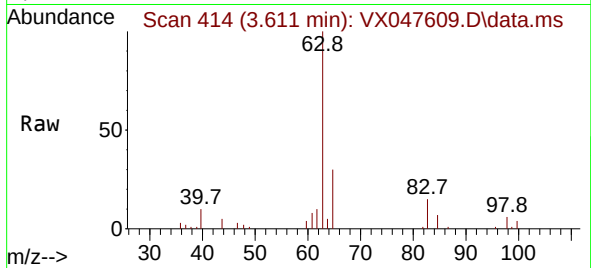




#24
 1,1-Dichloroethane
 Concen: 4.503 ug/l
 RT: 3.611 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX047609.D
 Acq: 17 Sep 2025 12:00

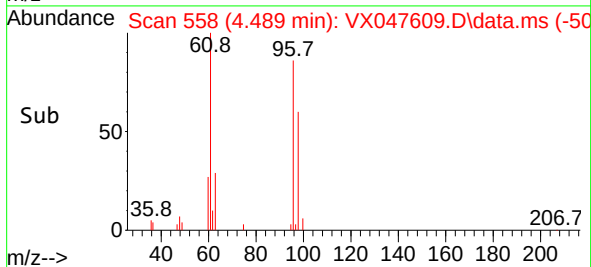
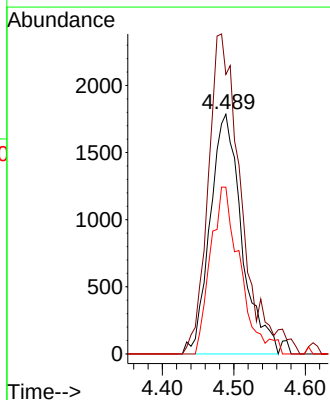
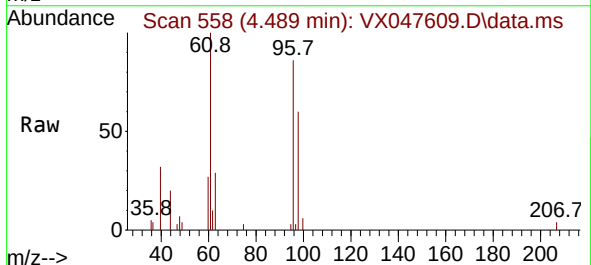
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20250908

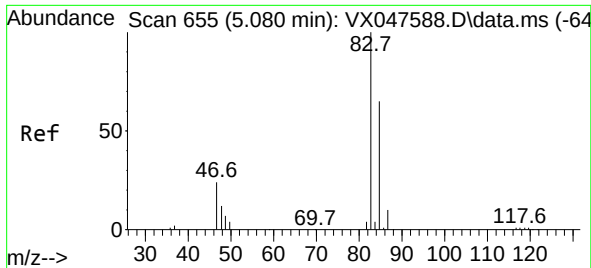
Tgt Ion: 63 Resp: 18699
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.8 11.2
 100 4.3 2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 2.132 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: VX047609.D
 Acq: 17 Sep 2025 12:00

Tgt Ion: 96 Resp: 5493
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 303.2
 98 65.1 0.0 127.8

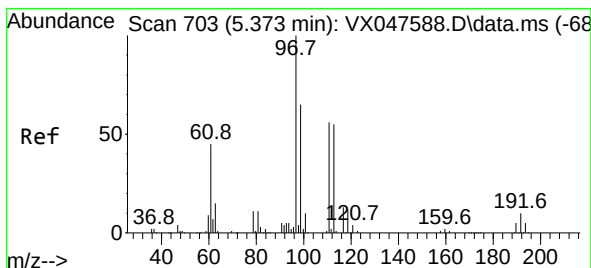
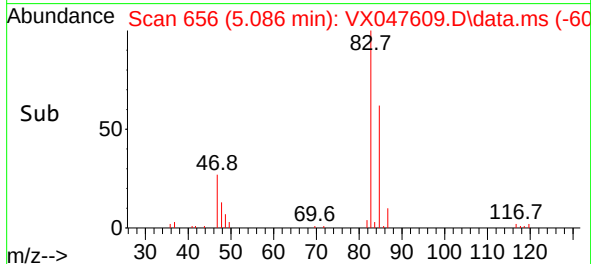
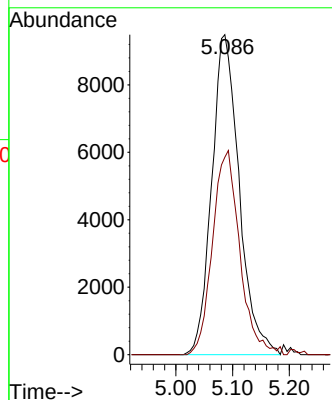
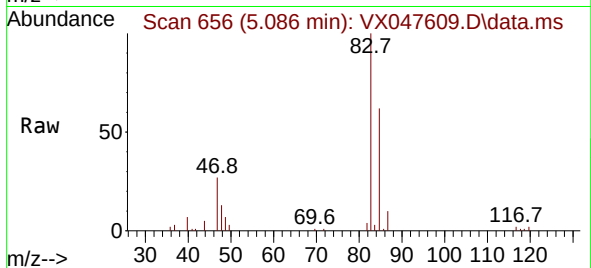




#30
Chloroform
Concen: 7.605 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

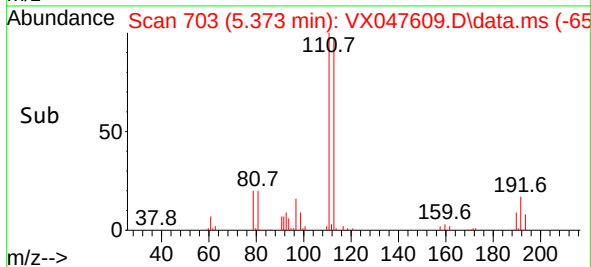
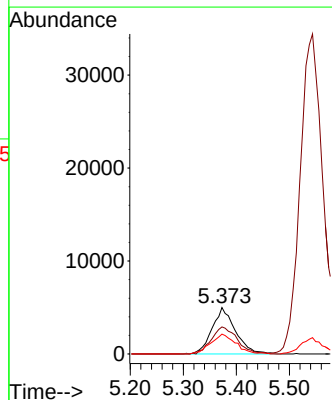
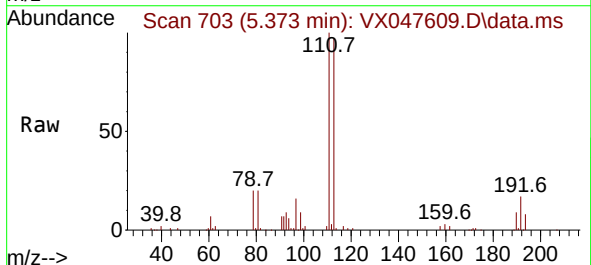
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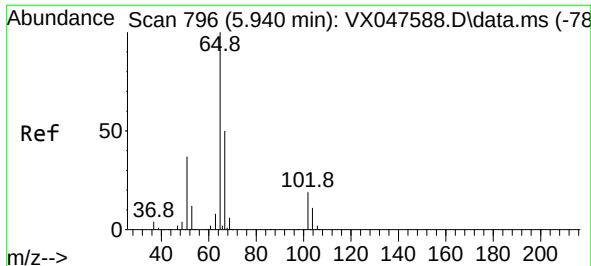
Tgt Ion: 83 Resp: 31914
Ion Ratio Lower Upper
83 100
85 60.0 51.8 77.6



#32
1,1,1-Trichloroethane
Concen: 4.280 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 97 Resp: 15234
Ion Ratio Lower Upper
97 100
99 64.2 50.6 76.0
61 46.1 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 46.137 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047609.D

Acq: 17 Sep 2025 12:00

Instrument :

MSVOA_X

ClientSampleId :

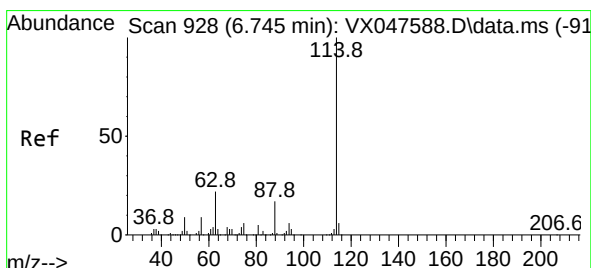
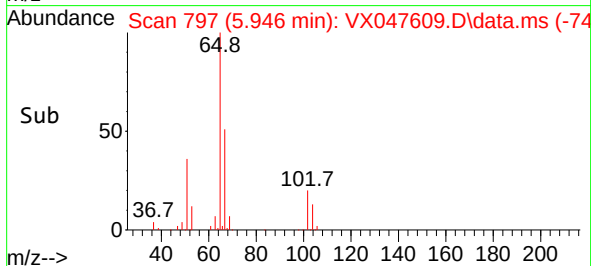
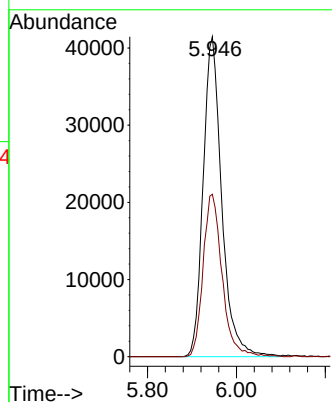
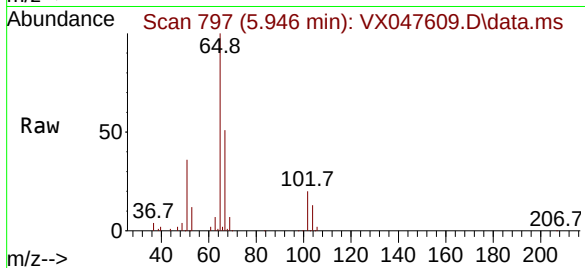
MW201D-20250908

Tgt Ion: 65 Resp: 120762

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: VX047609.D

Acq: 17 Sep 2025 12:00

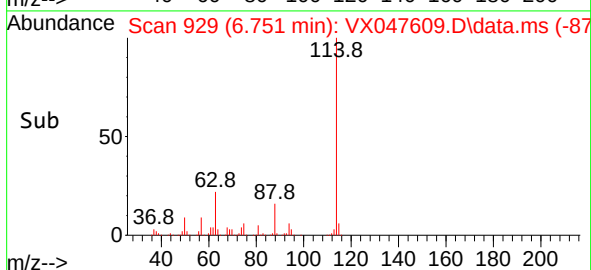
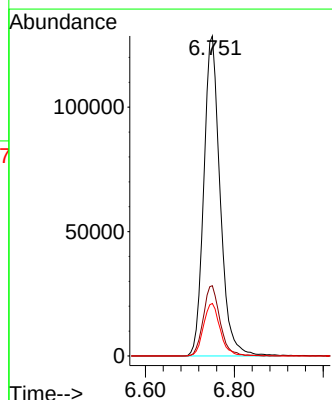
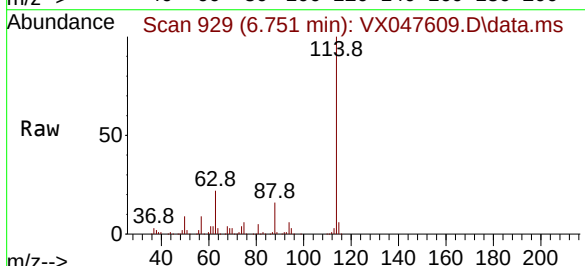
Tgt Ion: 114 Resp: 329692

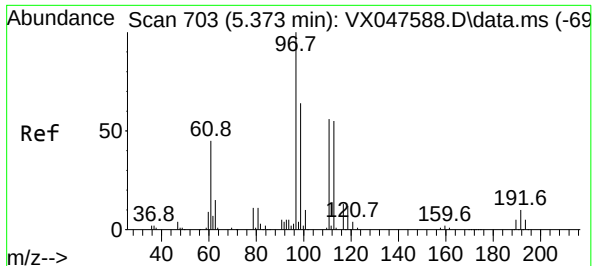
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 16.4 0.0 34.2

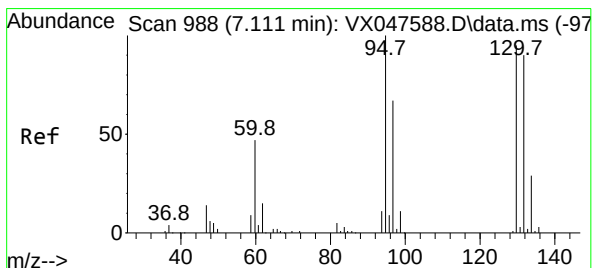
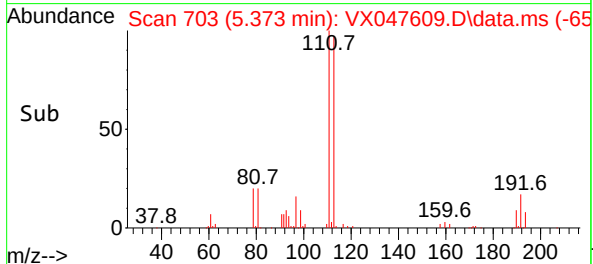
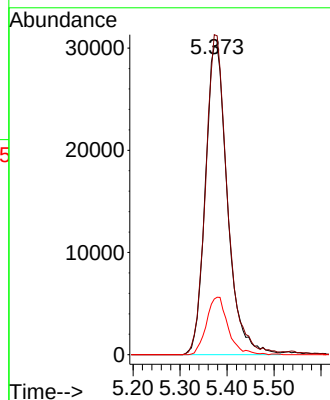
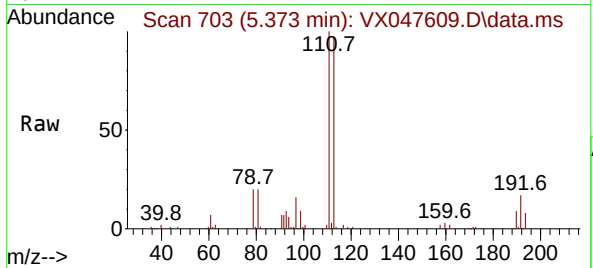




#35
Dibromofluoromethane
Concen: 44.850 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

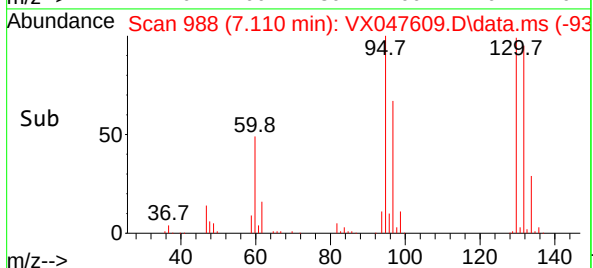
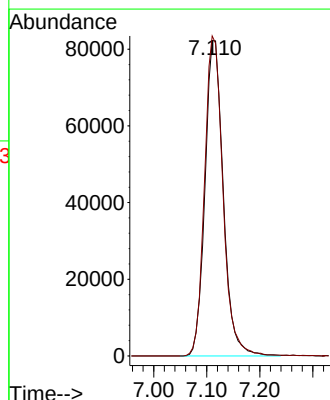
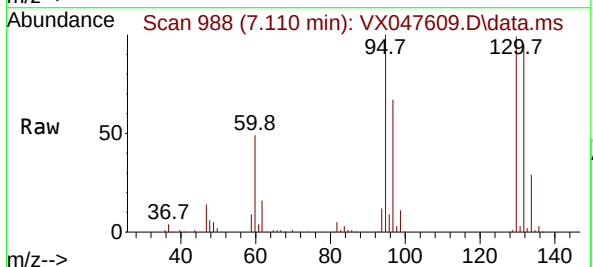
Instrument :
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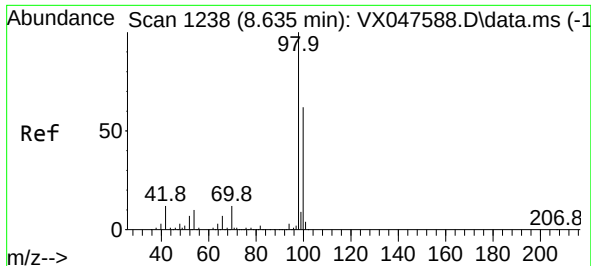
Tgt Ion:113 Resp: 99168
Ion Ratio Lower Upper
113 100
111 101.6 80.9 121.3
192 18.0 14.2 21.4



#44
Trichloroethene
Concen: 83.268 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion:130 Resp: 197550
Ion Ratio Lower Upper
130 100
95 101.4 0.0 210.8





#50

Toluene-d8

Concen: 45.303 ug/l

RT: 8.634 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047609.D

Acq: 17 Sep 2025 12:00

Instrument :

MSVOA_X

ClientSampleId :

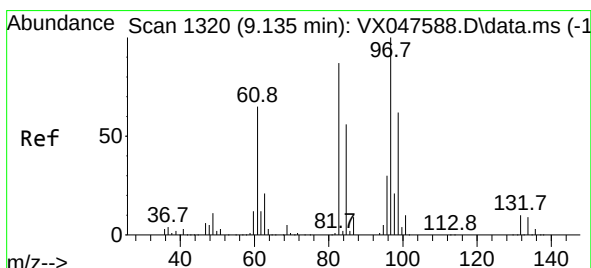
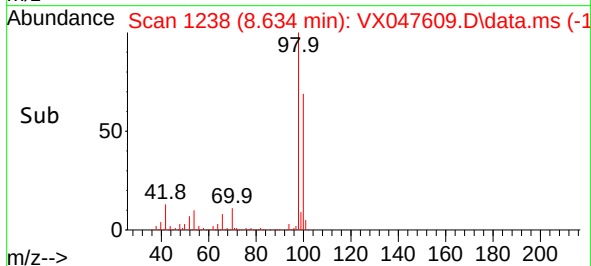
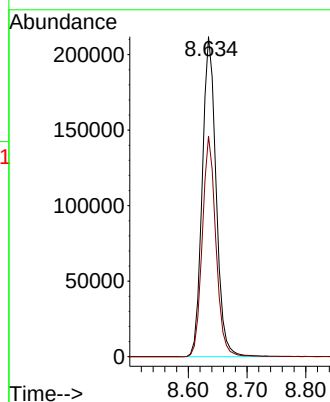
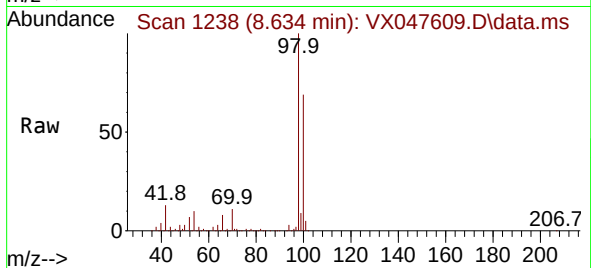
MW201D-20250908

Tgt Ion: 98 Resp: 346603

Ion Ratio Lower Upper

98 100

100 67.4 53.0 79.4



#55

1,1,2-Trichloroethane

Concen: 0.389 ug/l

RT: 9.140 min Scan# 1321

Delta R.T. 0.006 min

Lab File: VX047609.D

Acq: 17 Sep 2025 12:00

Tgt Ion: 97 Resp: 907

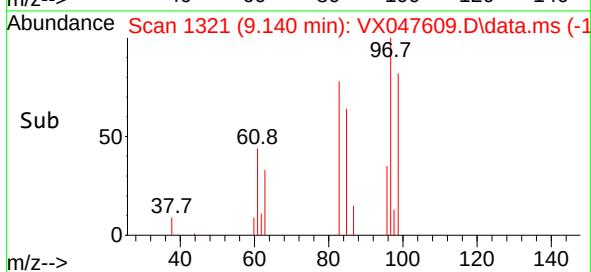
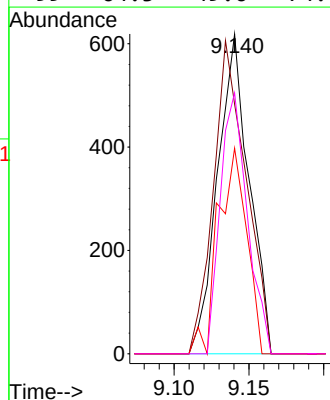
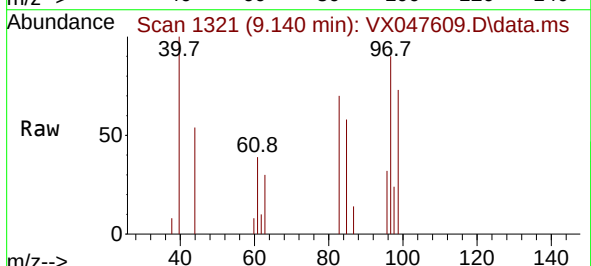
Ion Ratio Lower Upper

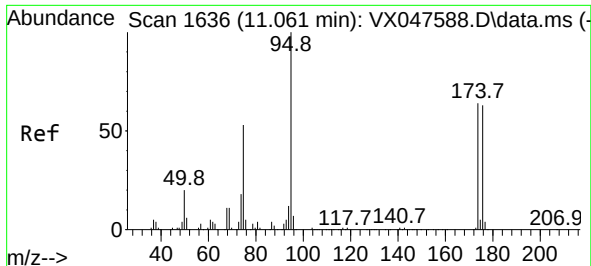
97 100

83 61.5 69.6 104.4#

85 50.7 45.0 67.6

99 64.3 49.6 74.4

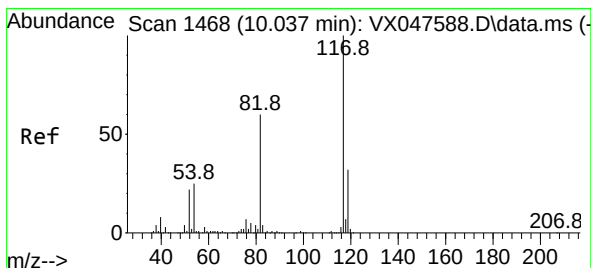
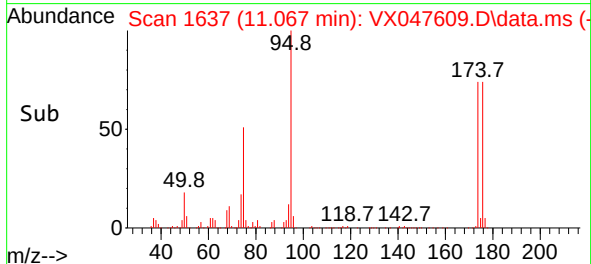
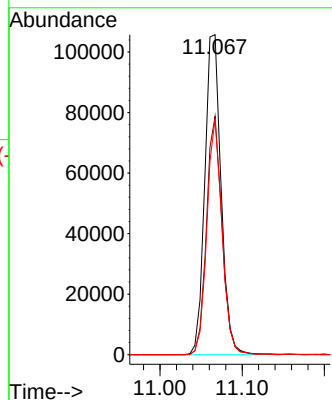
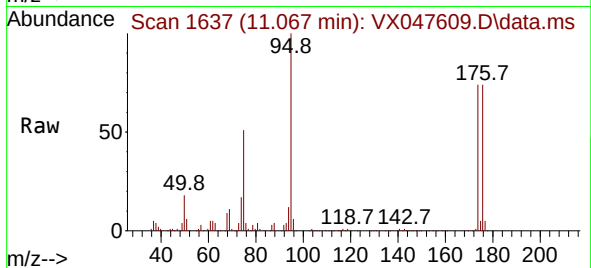




#62
4-Bromofluorobenzene
Concen: 50.036 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

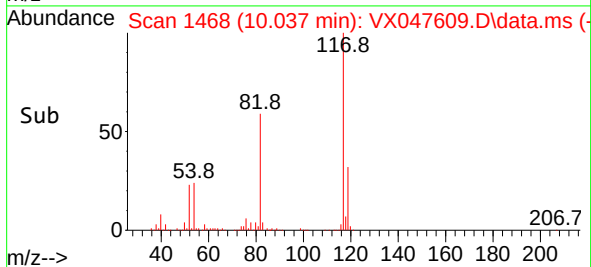
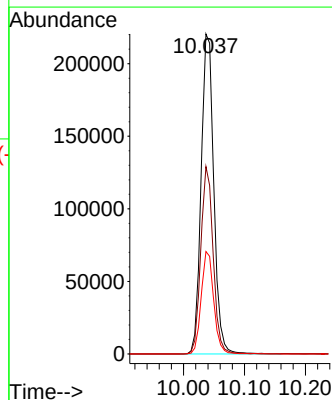
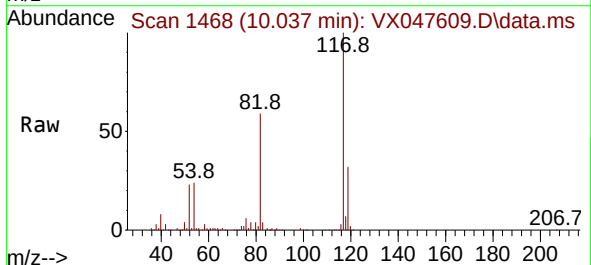
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

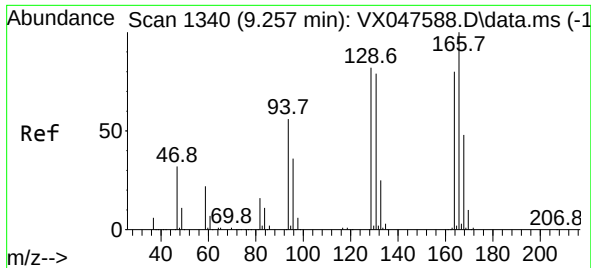
Tgt Ion: 95 Resp: 145287
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.6
176 68.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion: 117 Resp: 318034
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.6
119 32.0 25.2 37.8

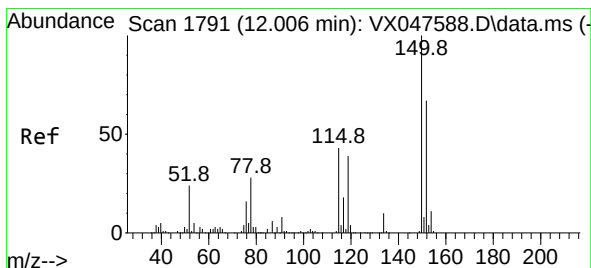
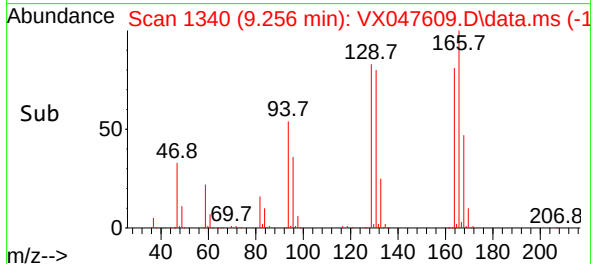
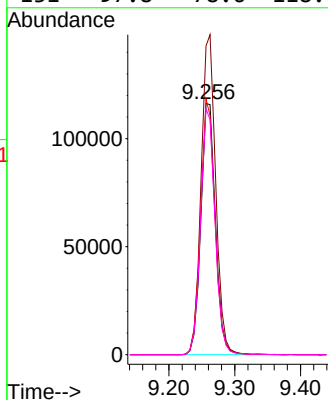
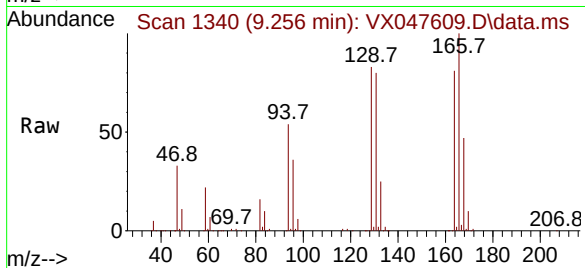




#64
Tetrachloroethene
Concen: 86.532 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20250908

Tgt Ion:164 Resp: 179402
Ion Ratio Lower Upper
164 100
166 122.9 100.2 150.2
129 101.7 81.8 122.6
131 97.8 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047609.D
Acq: 17 Sep 2025 12:00

Tgt Ion:152 Resp: 152611
Ion Ratio Lower Upper
152 100
115 63.1 44.9 134.5
150 155.5 0.0 352.0

