

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 22 03:05:30 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)

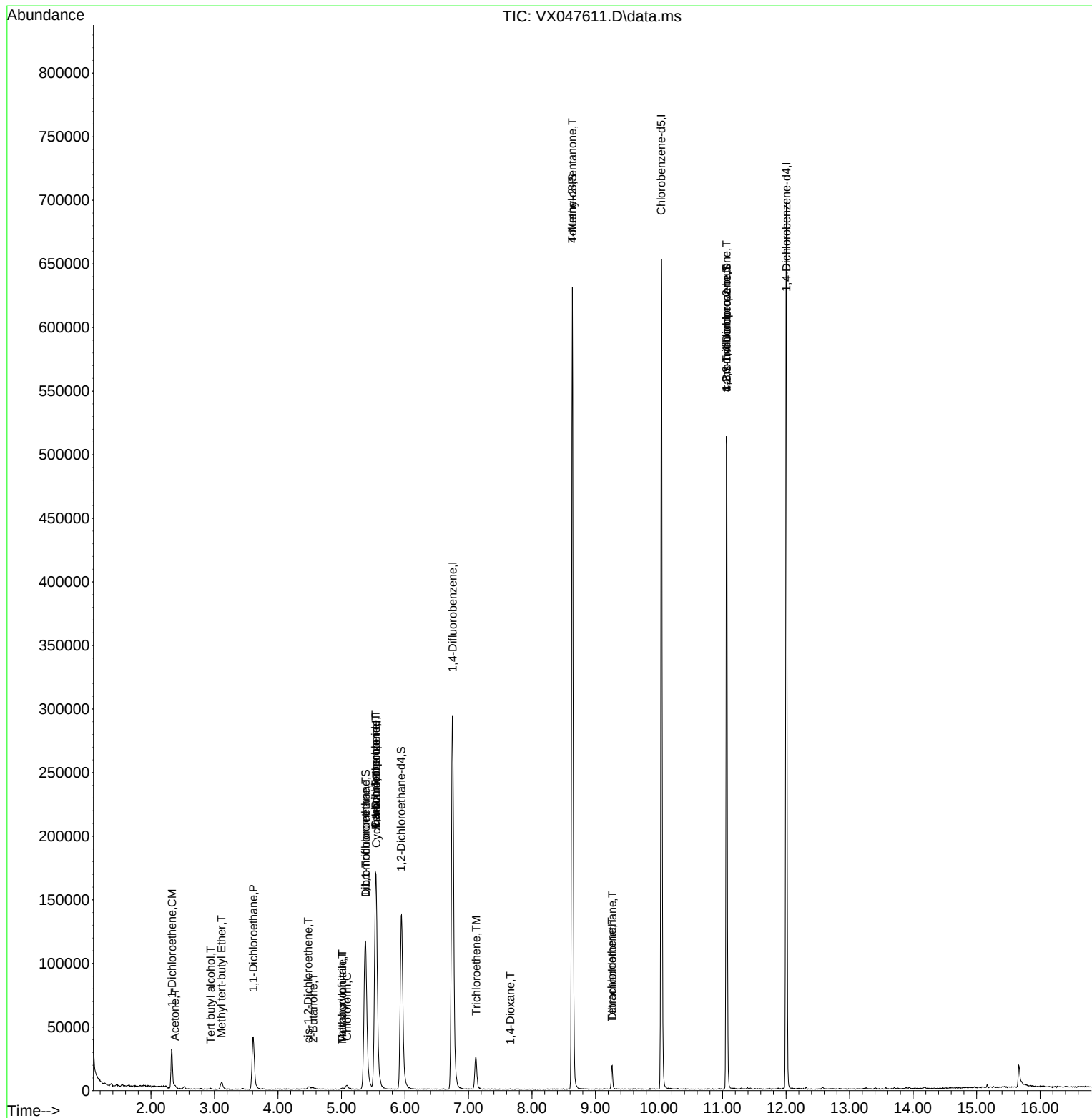
Internal Standards						
1) Pentafluorobenzene	5.544	168	173264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	324366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
11) Tert butyl alcohol	2.940	59	63	0.205	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	12155	5.905	ug/l	92
16) Acetone	2.380	43	2410	2.010	ug/l	93
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
25) 2-Butanone	4.556	43	901	0.602	ug/l #	79
27) cis-1,2-Dichloroethene	4.477	96	691	0.255	ug/l	1
29) Tetrahydrofuran	5.007	42	777	0.863	ug/l #	49
30) Chloroform	5.086	83	3770	0.853	ug/l	97
31) Cyclohexane	5.550	56	4254	1.167	ug/l #	14
32) 1,1,1-Trichloroethane	5.379	97	7492	1.998	ug/l	98
36) 1,1-Dichloropropene	5.538	75	14634	4.604	ug/l #	46
38) Carbon Tetrachloride	5.538	117	18783	5.438	ug/l #	18
41) Methacrylonitrile	5.013	41	473	0.269	ug/l #	40
44) Trichloroethene	7.123	130	10776	4.617	ug/l	95
49) 1,4-Dioxane	7.659	88	75	2.669	ug/l #	41
51) 4-Methyl-2-Pentanone	8.635	43	2012	0.650	ug/l #	1
60) Dibromochloromethane	9.262	129	3898	1.475	ug/l #	11
64) Tetrachloroethene	9.256	164	3658	1.903	ug/l	95
76) 1,2,3-Trichloropropane	11.061	75	78255	26.829	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	78255	68.419	ug/l #	8

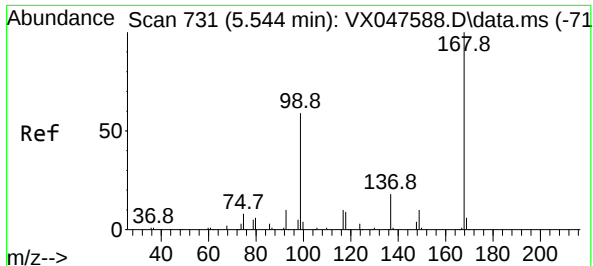
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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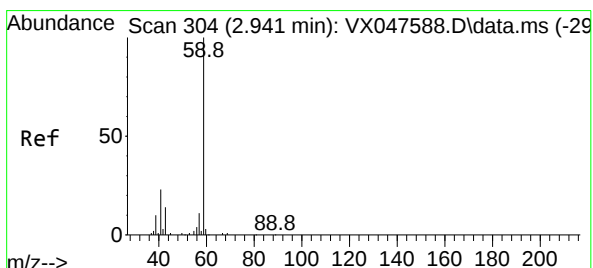
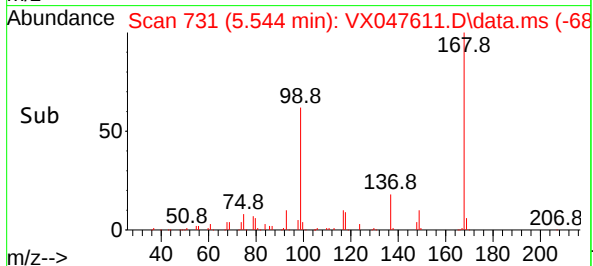
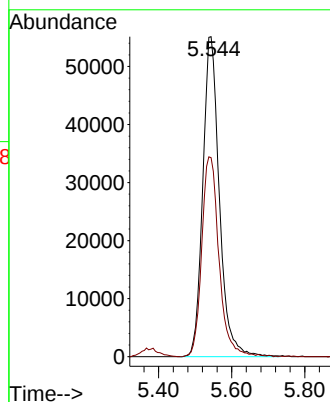
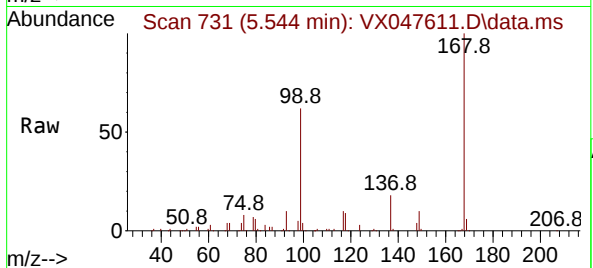




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

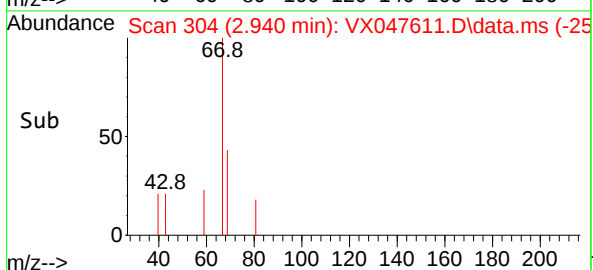
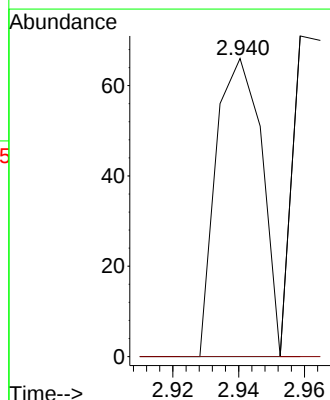
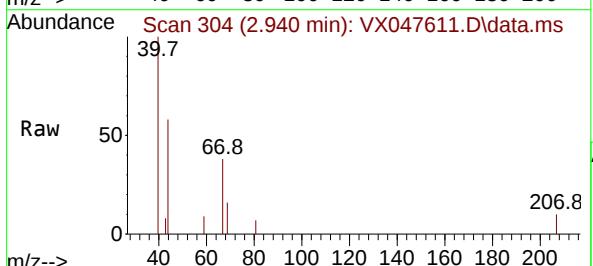
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

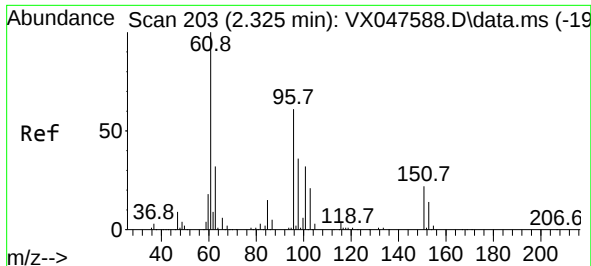
Tgt Ion:168 Resp: 173264
Ion Ratio Lower Upper
168 100
99 62.2 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.205 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 5.905 ug/l

RT: 2.331 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX047611.D

Acq: 17 Sep 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20250909

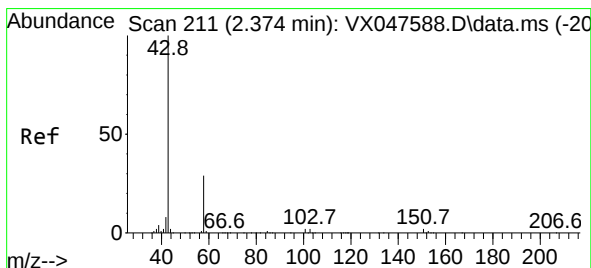
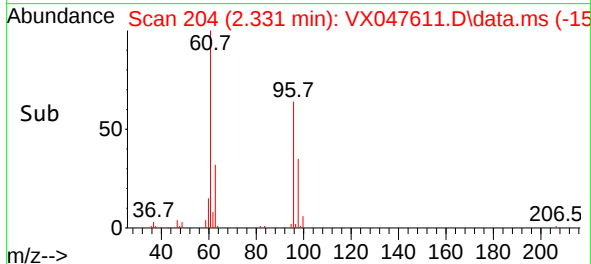
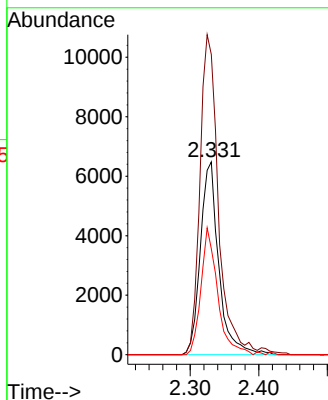
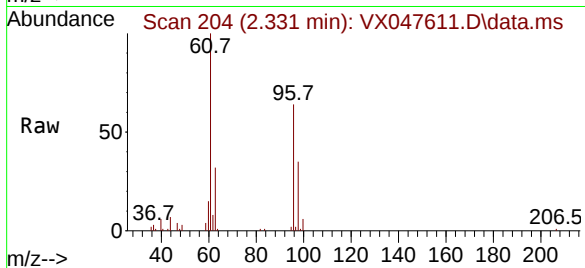
Tgt Ion: 96 Resp: 12155

Ion Ratio Lower Upper

96 100

61 151.6 131.0 196.6

98 55.5 47.7 71.5



#16

Acetone

Concen: 2.010 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX047611.D

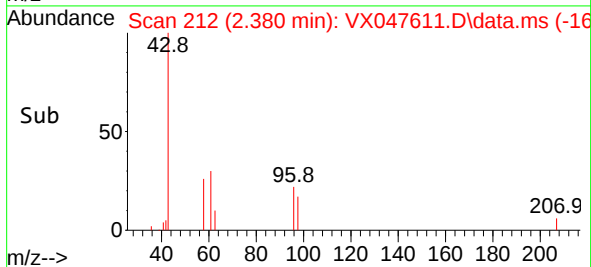
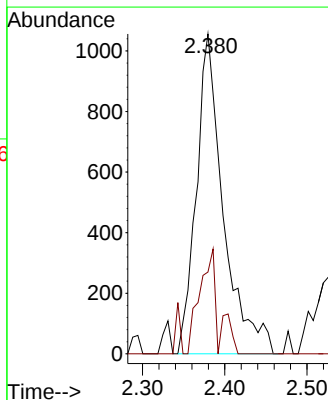
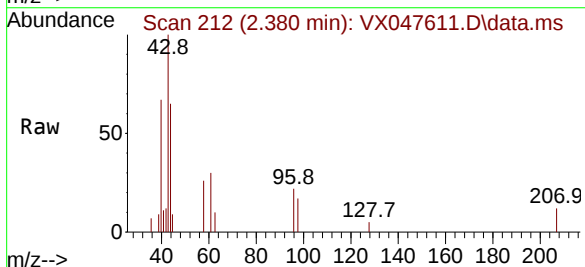
Acq: 17 Sep 2025 12:42

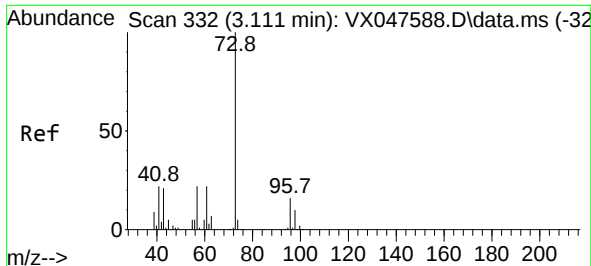
Tgt Ion: 43 Resp: 2410

Ion Ratio Lower Upper

43 100

58 25.6 23.4 35.0

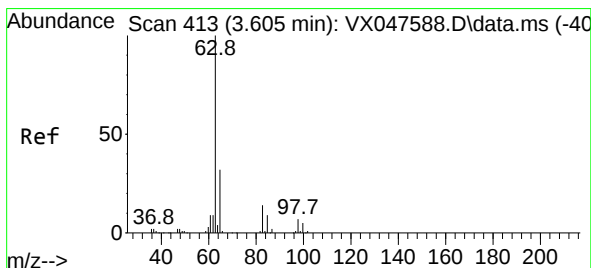
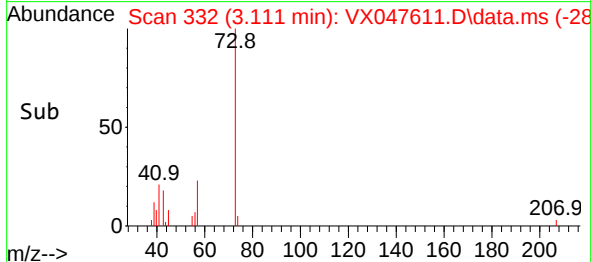
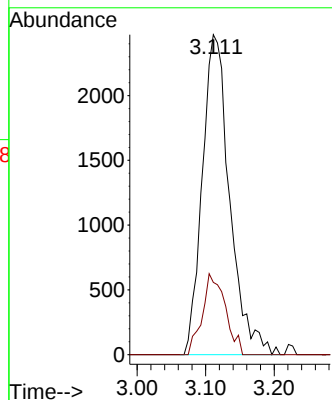
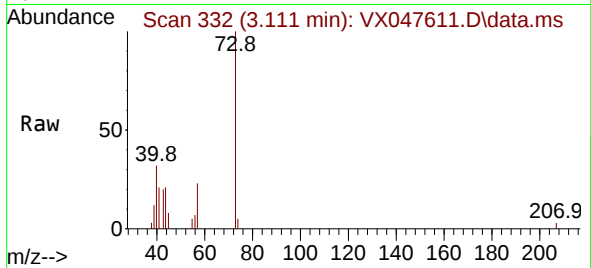




#19
Methyl tert-butyl Ether
Concen: 0.916 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

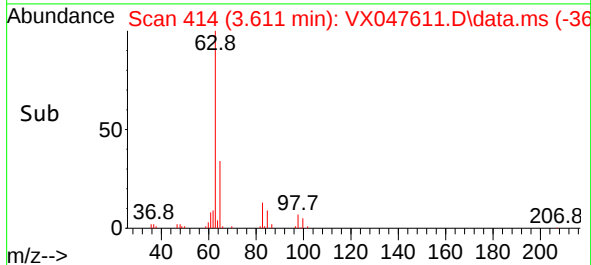
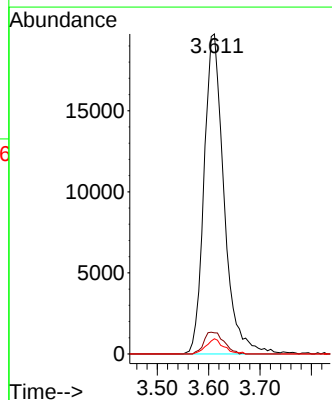
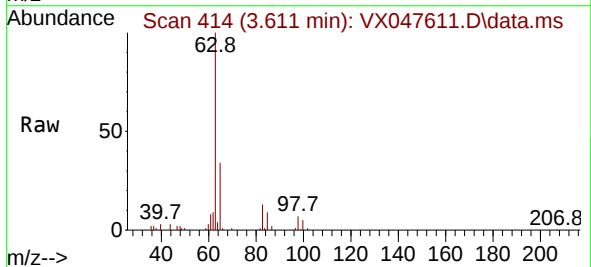
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

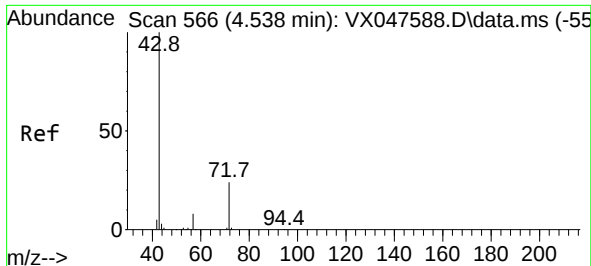
Tgt Ion: 73 Resp: 6881
Ion Ratio Lower Upper
73 100
57 22.6 17.4 26.2



#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

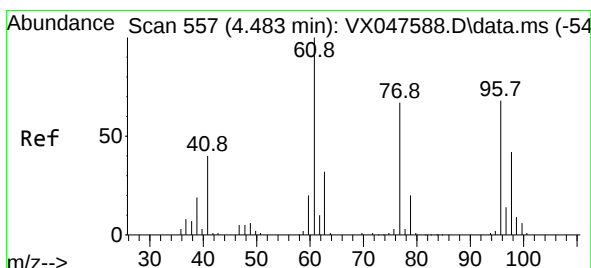
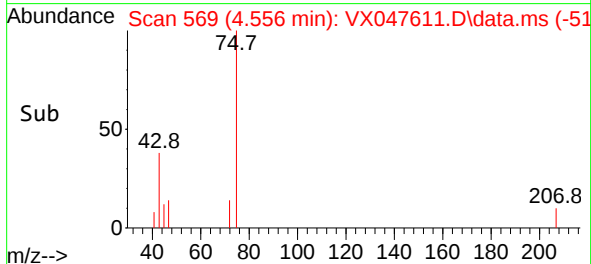
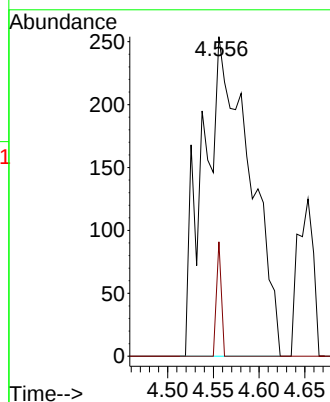
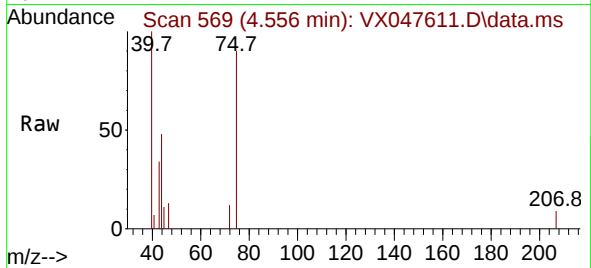




#25
2-Butanone
Concen: 0.602 ug/l
RT: 4.556 min Scan# 501
Delta R.T. 0.018 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

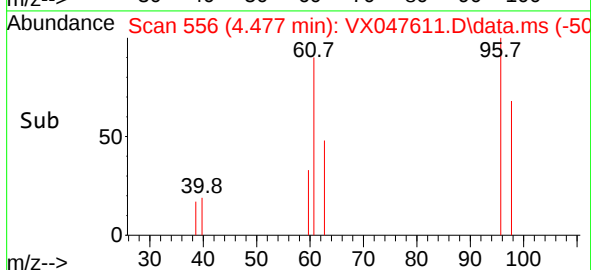
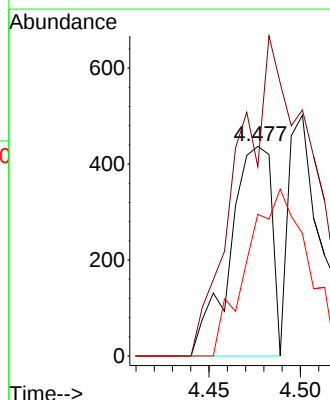
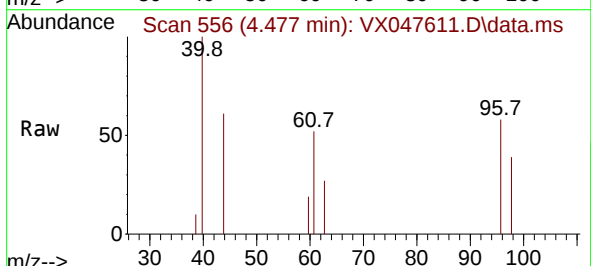
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

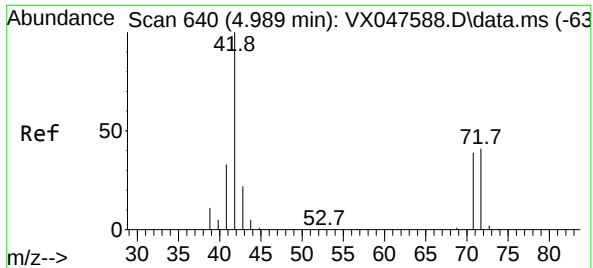
Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
72 35.8 20.1 30.1#



#27
cis-1,2-Dichloroethene
Concen: 0.255 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 96 Resp: 691
Ion Ratio Lower Upper
96 100
61 296.5 0.0 303.2
98 118.7 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.863 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX047611.D

Acq: 17 Sep 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

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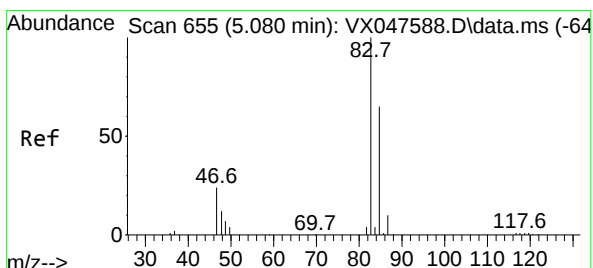
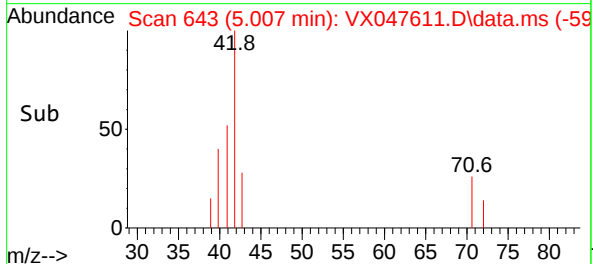
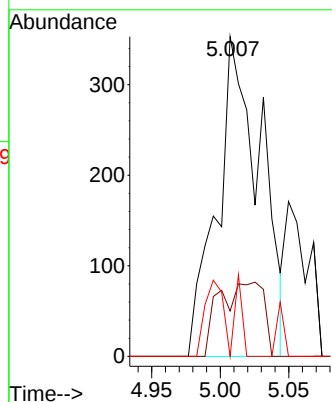
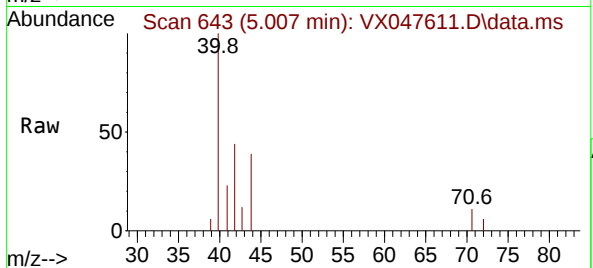
Tgt Ion: 42 Resp: 777

Ion Ratio Lower Upper

42 100

72 8.9 34.2 51.2#

71 10.0 31.9 47.9#



#30

Chloroform

Concen: 0.853 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX047611.D

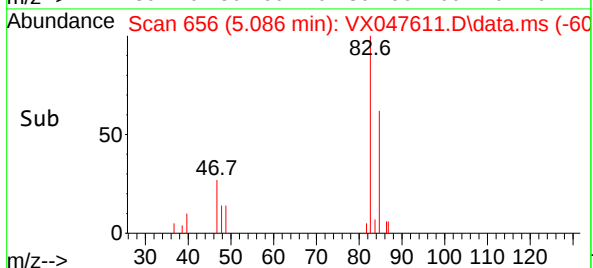
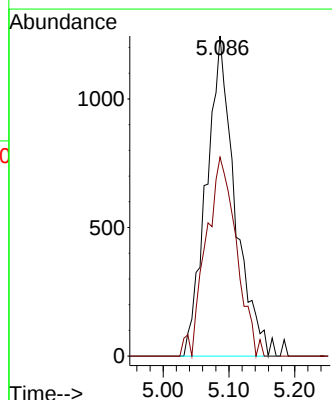
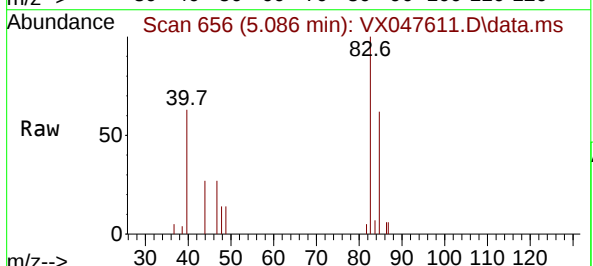
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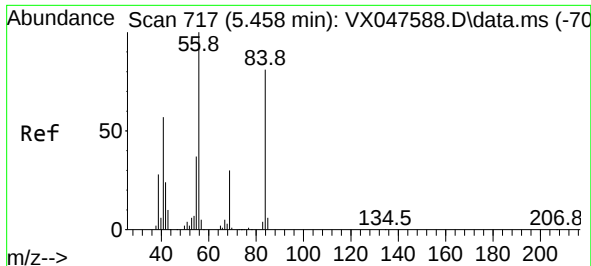
Tgt Ion: 83 Resp: 3770

Ion Ratio Lower Upper

83 100

85 62.1 51.8 77.6

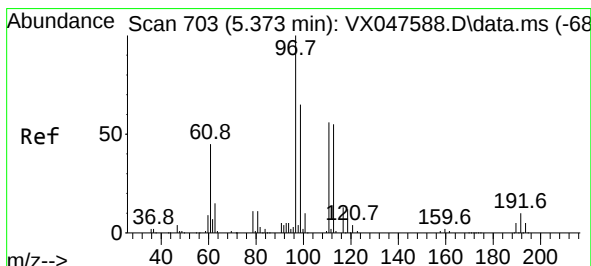
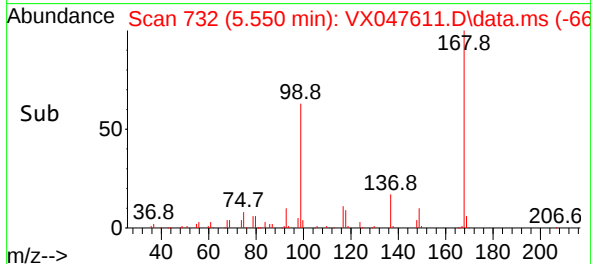
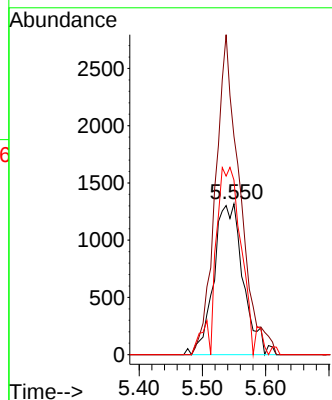
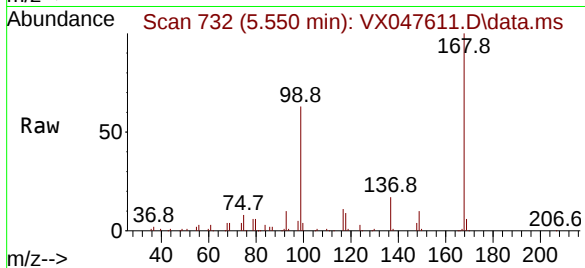




#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.550 min Scan# 717
Delta R.T. 0.091 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

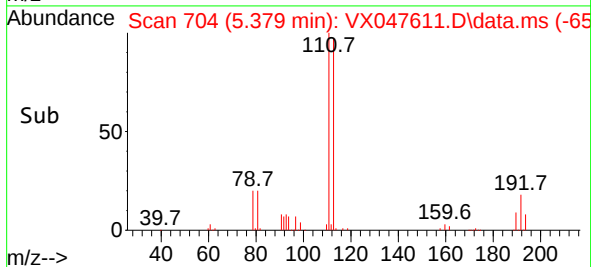
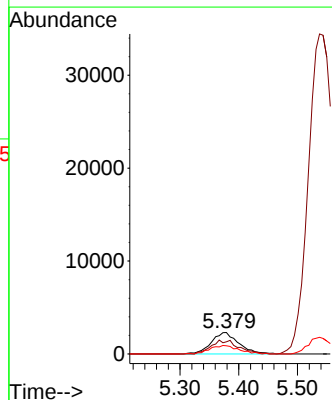
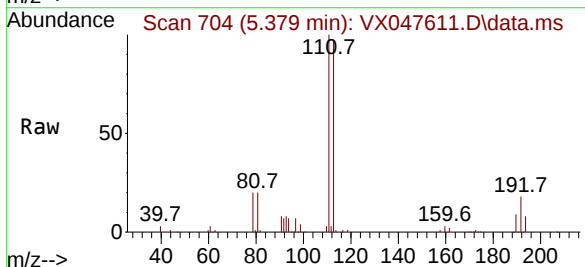
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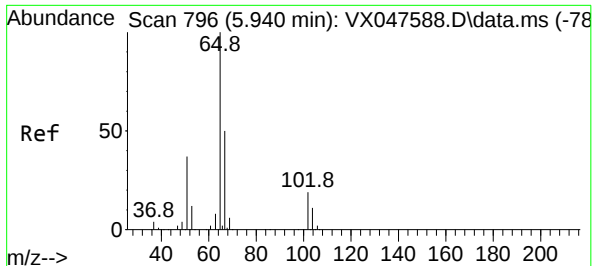
Tgt Ion: 56 Resp: 4254
Ion Ratio Lower Upper
56 100
69 144.7 23.8 35.8#
84 115.6 64.6 97.0#



#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 :

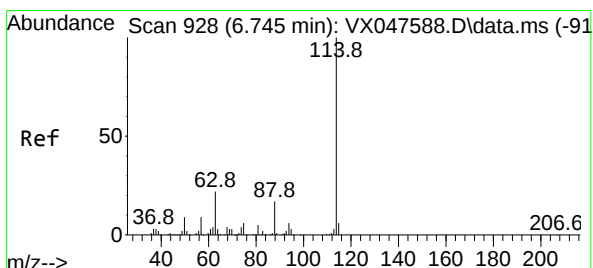
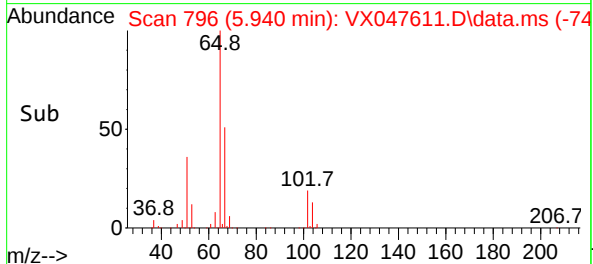
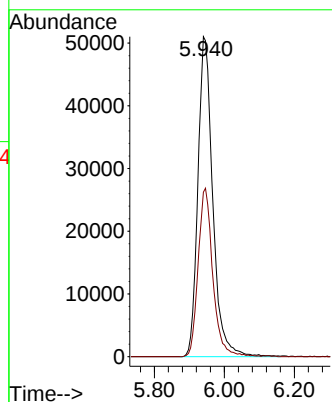
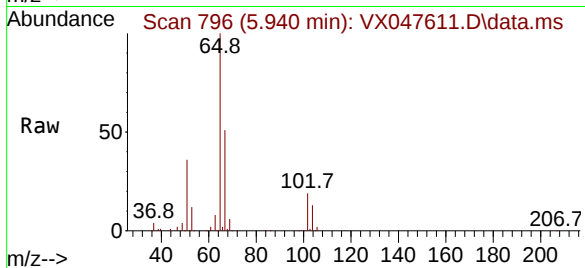
MW203D1-20250909

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

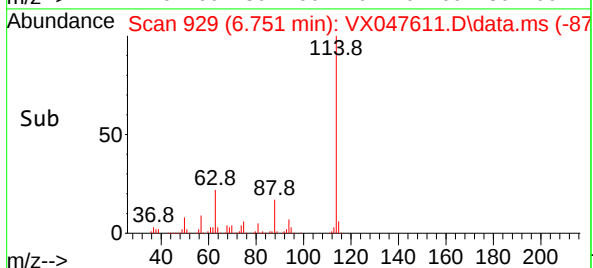
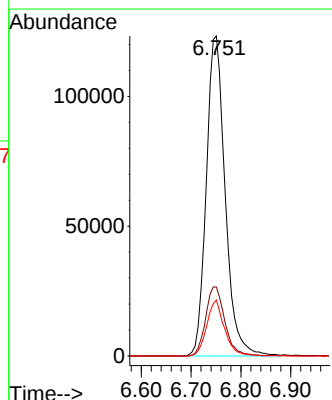
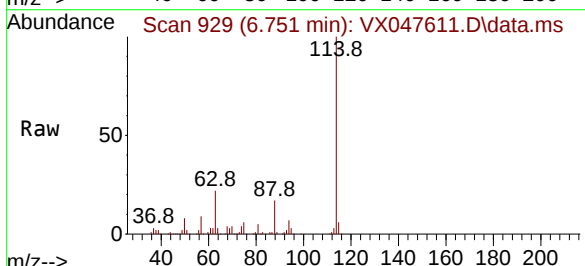
Tgt Ion: 114 Resp: 324366

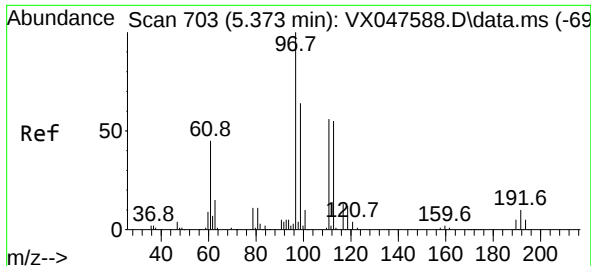
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

88 17.5 0.0 34.2

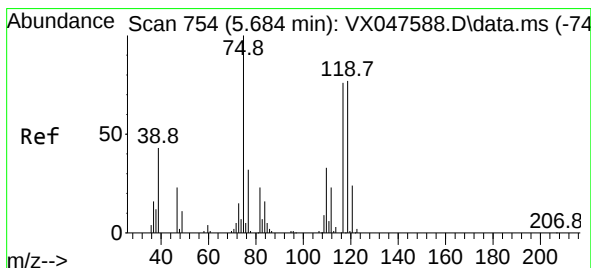
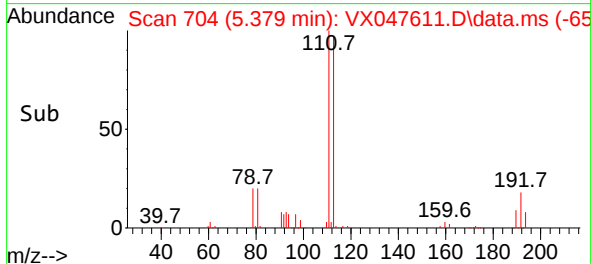
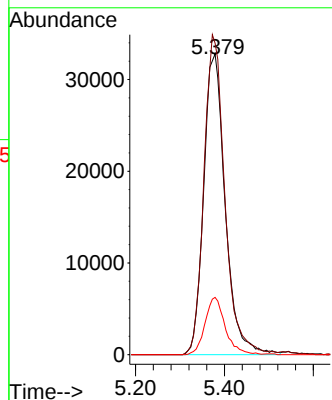
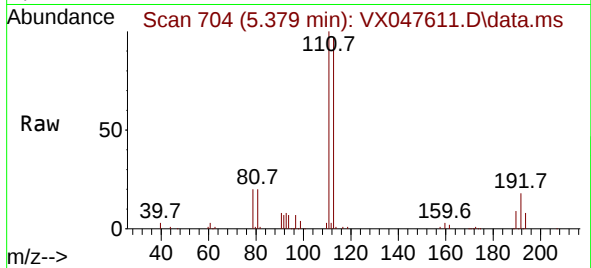




#35
Dibromofluoromethane
Concen: 50.890 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

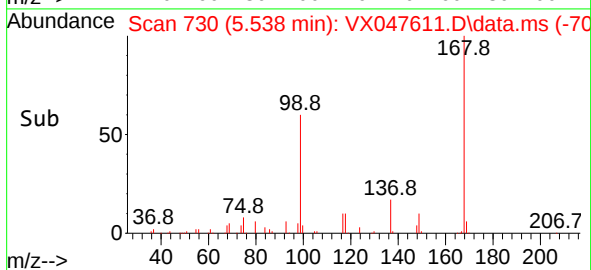
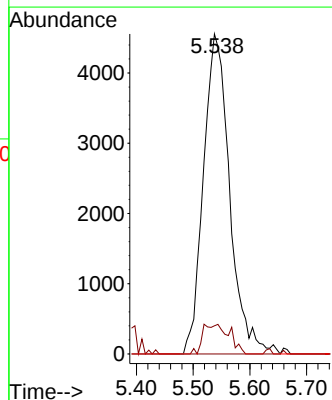
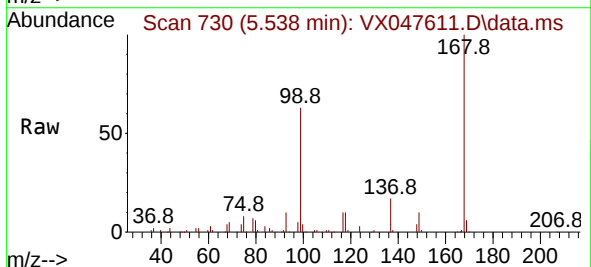
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

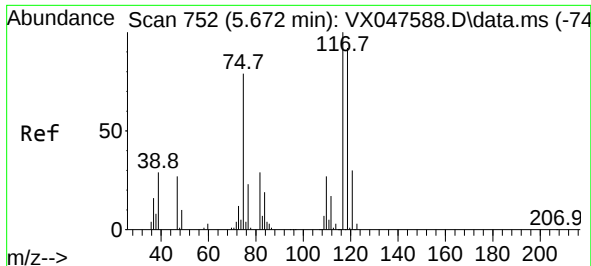
Tgt Ion:113 Resp: 110705
Ion Ratio Lower Upper
113 100
111 102.7 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

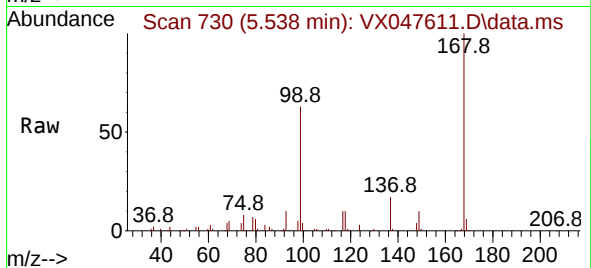
Tgt Ion: 75 Resp: 14634
Ion Ratio Lower Upper
75 100
110 3.5 16.7 50.1#
77 0.0 24.3 36.5#



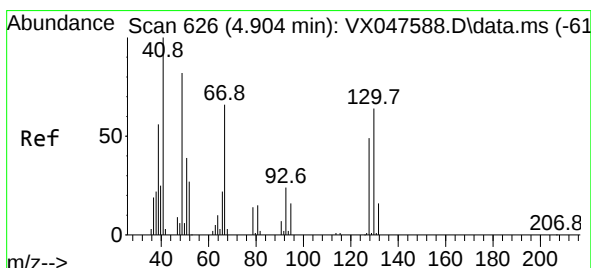
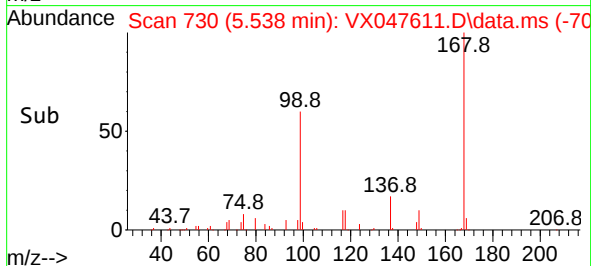
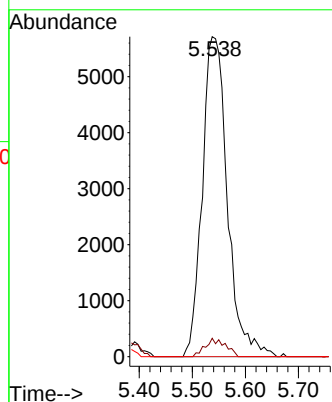


#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

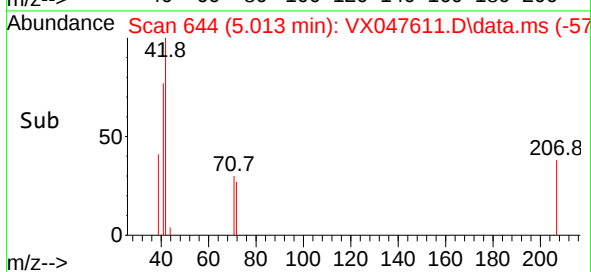
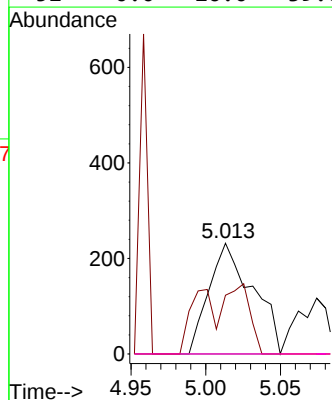
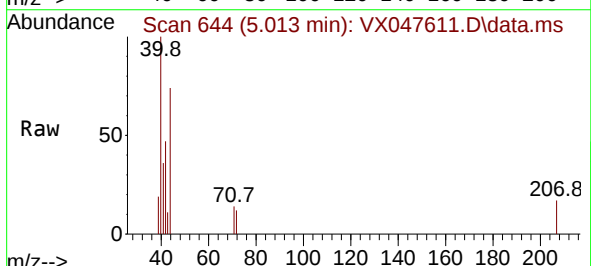


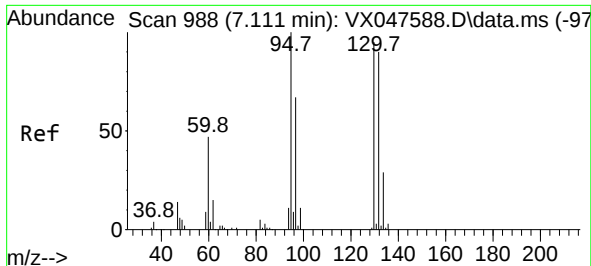
Tgt Ion: 117 Resp: 18783
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 0.269 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.110 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 41 Resp: 473
Ion Ratio Lower Upper
41 100
39 35.9 43.3 64.9#
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#

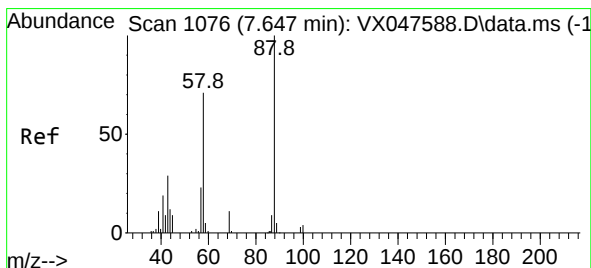
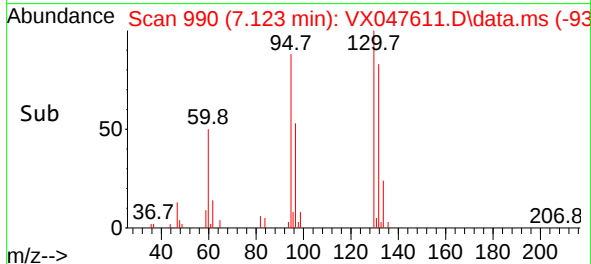
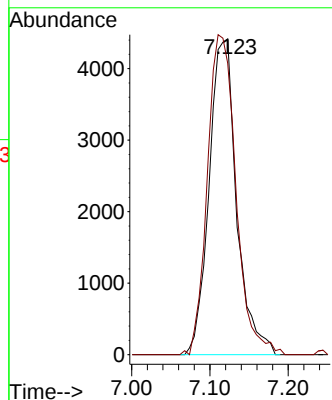
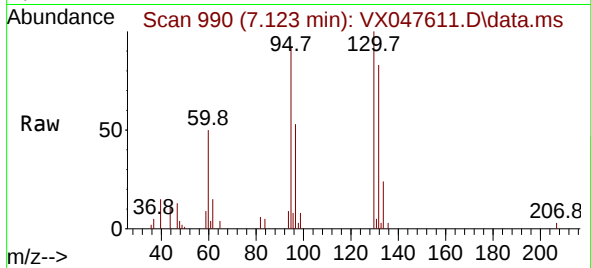




#44
Trichloroethene
Concen: 4.617 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

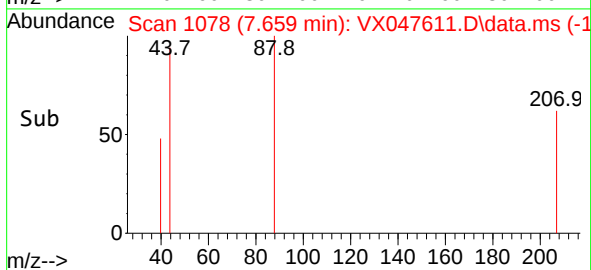
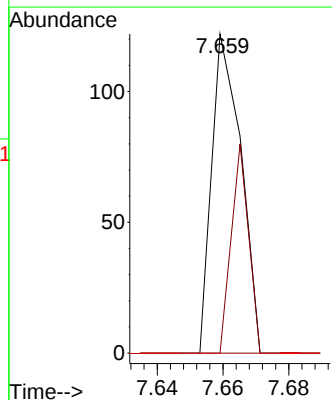
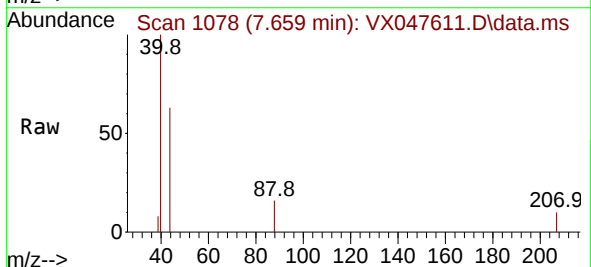
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

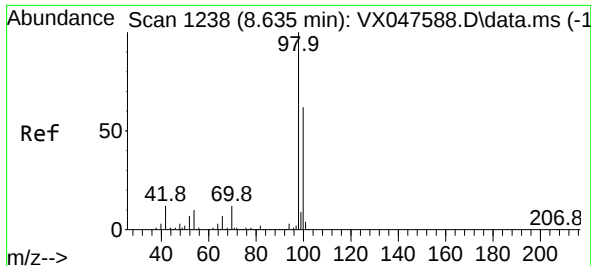
Tgt Ion:130 Resp: 10776
Ion Ratio Lower Upper
130 100
95 100.5 0.0 210.8



#49
1,4-Dioxane
Concen: 2.669 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 38.7 30.2 45.2
58 0.0 59.5 89.3#





#50

Toluene-d8

Concen: 51.371 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047611.D

Acq: 17 Sep 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

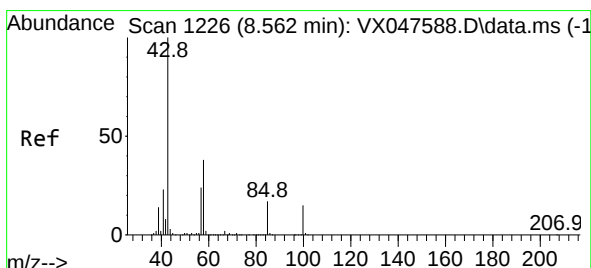
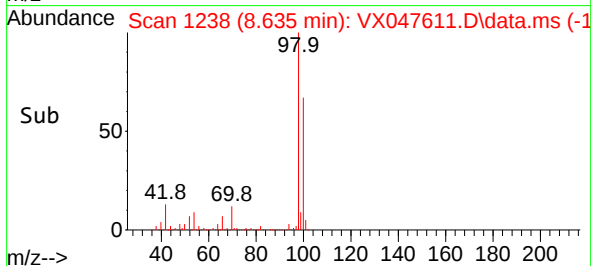
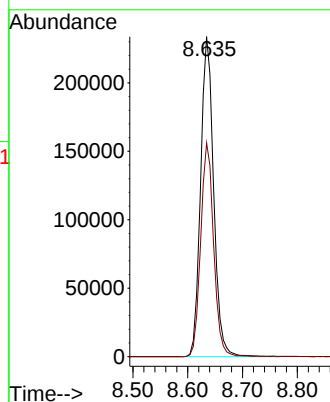
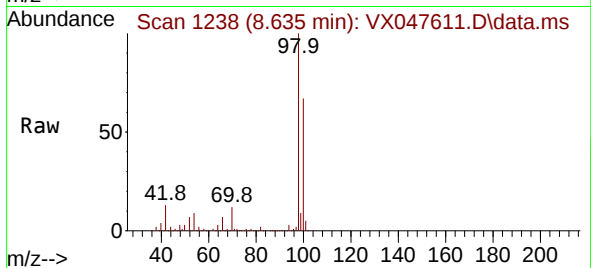
MW203D1-20250909

Tgt Ion: 98 Resp: 386684

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 0.650 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.073 min

Lab File: VX047611.D

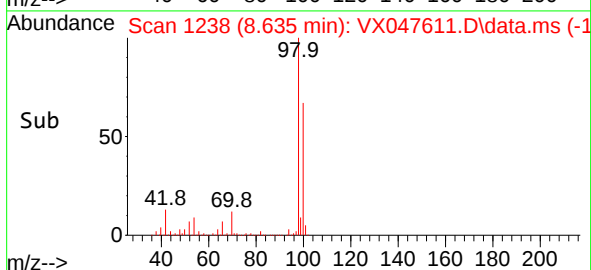
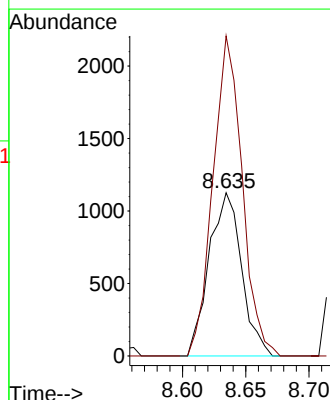
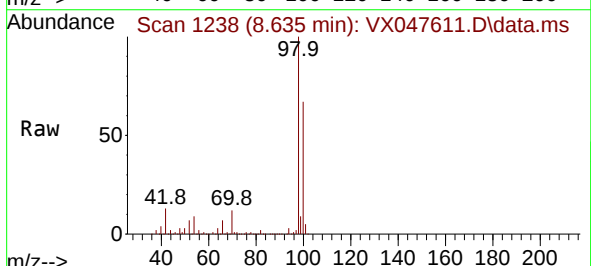
Acq: 17 Sep 2025 12:42

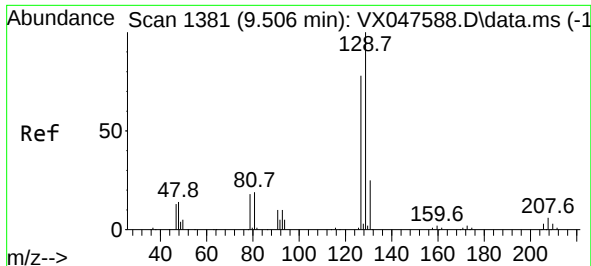
Tgt Ion: 43 Resp: 2012

Ion Ratio Lower Upper

43 100

58 176.4 30.3 45.5#

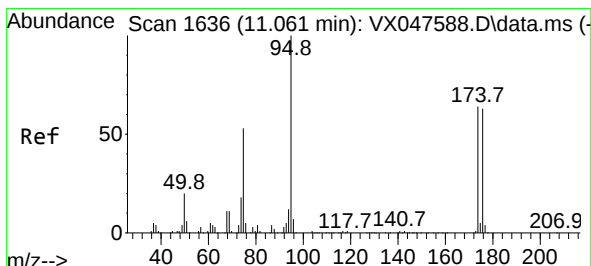
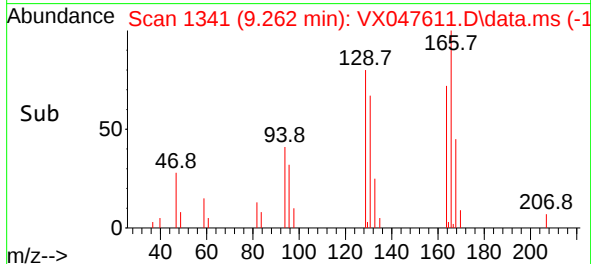
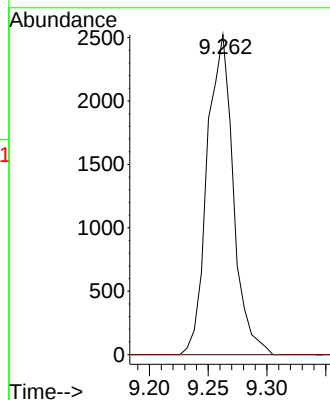
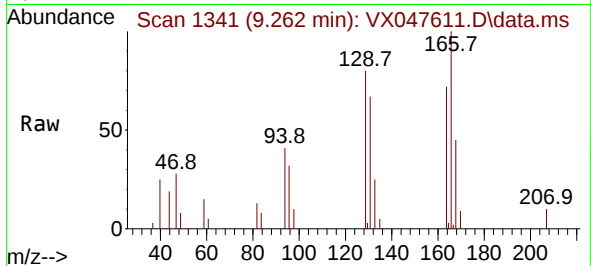




#60
Dibromochloromethane
Concen: 1.475 ug/l
RT: 9.262 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX047611.D
Acq: 17 Sep 2025 12:42

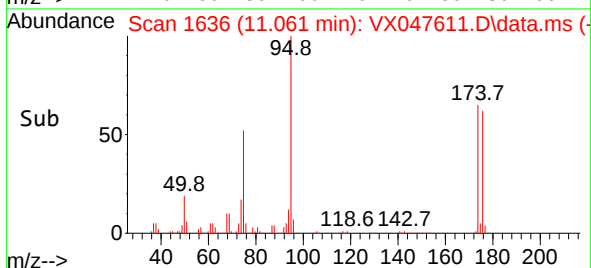
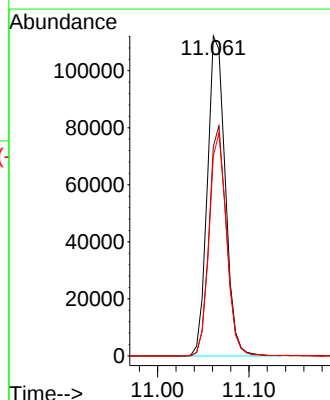
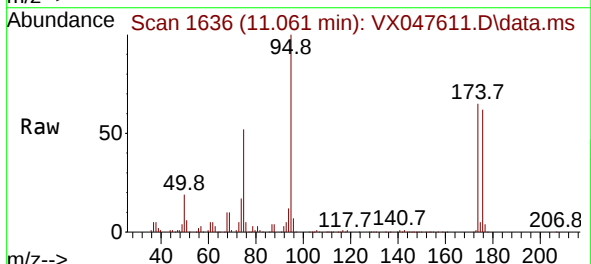
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20250909

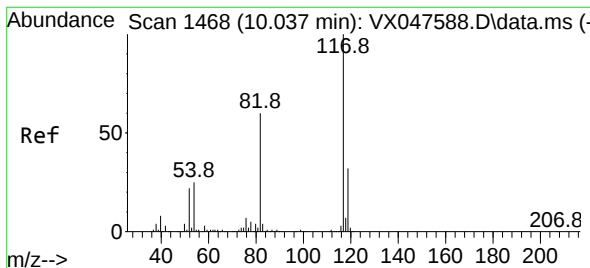
Tgt Ion:129 Resp: 3898
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#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

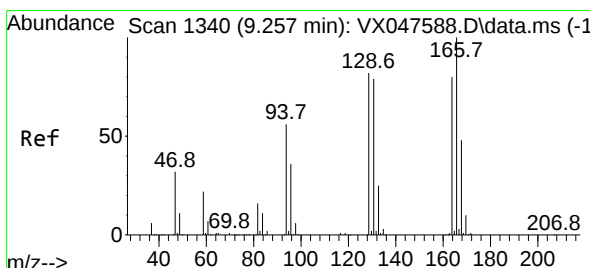
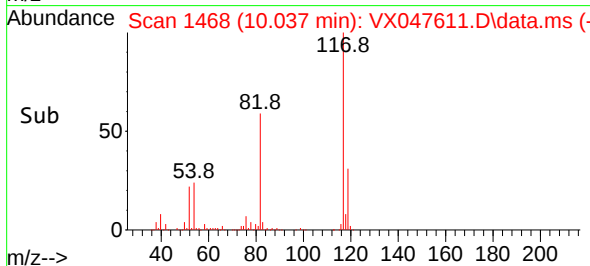
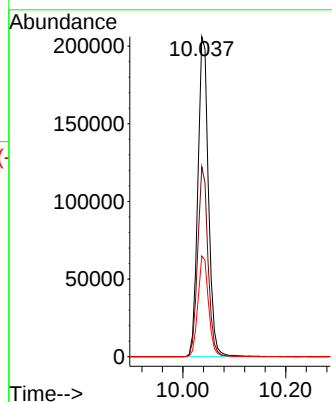
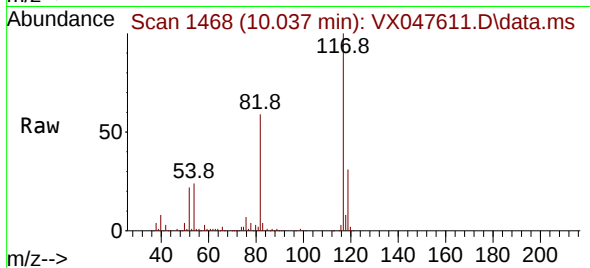
Tgt Ion:117 Resp: 294888

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

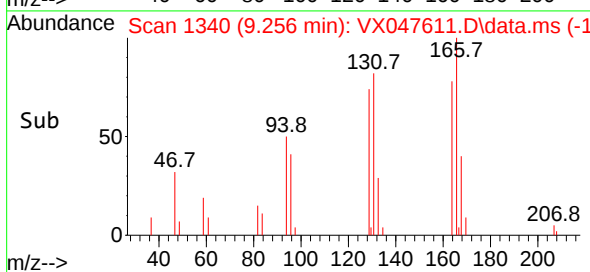
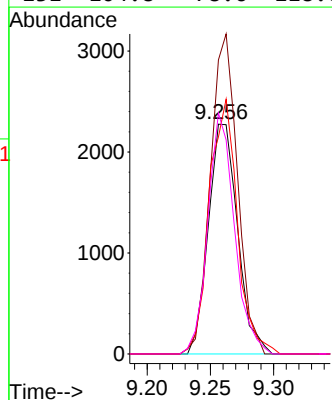
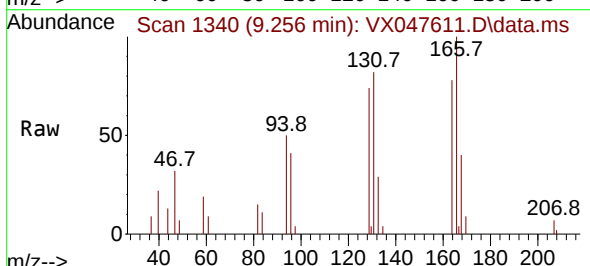
Ion Ratio Lower Upper

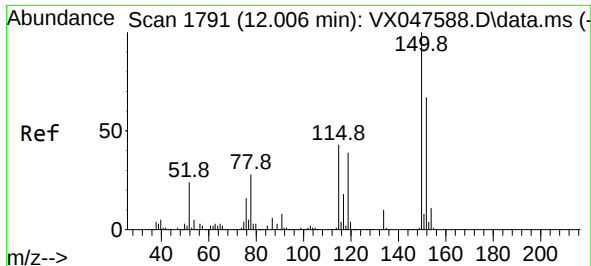
164 100

166 128.0 100.2 150.2

129 94.5 81.8 122.6

131 104.8 78.6 118.0

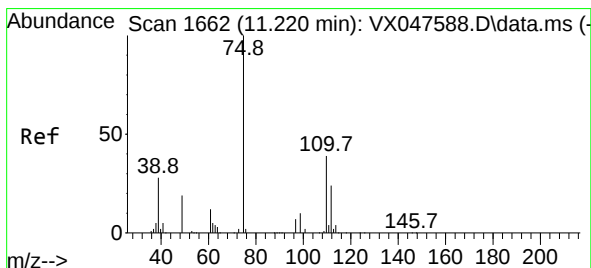
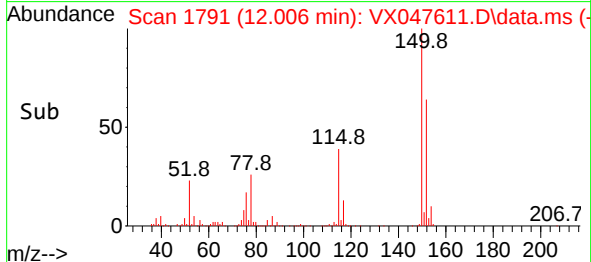
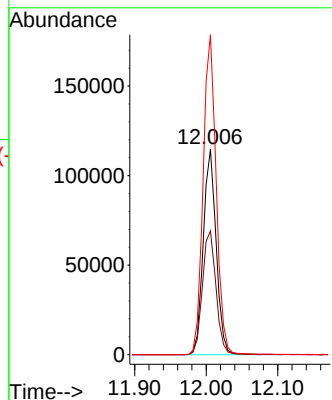
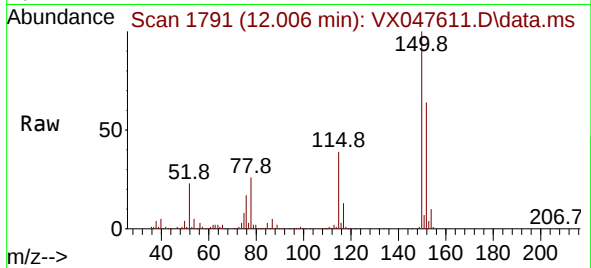




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047611.D
 Acq: 17 Sep 2025 12:42

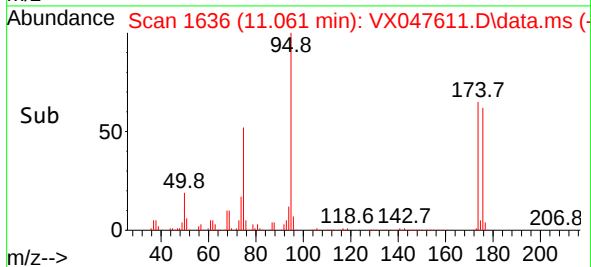
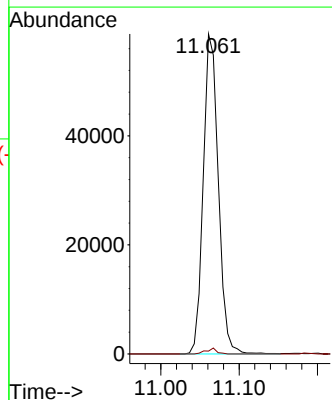
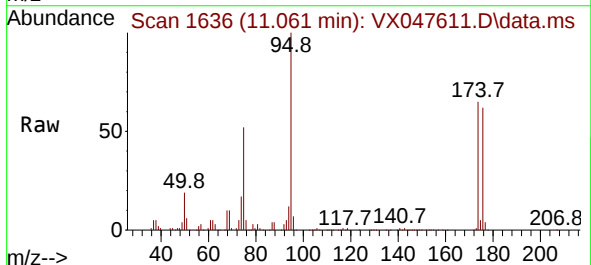
Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20250909

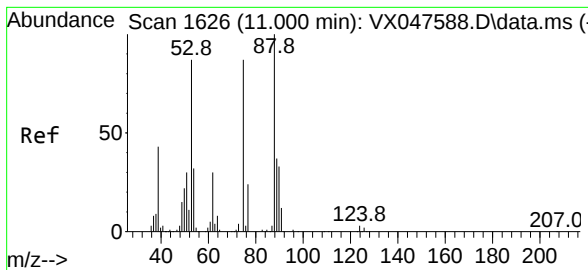
Tgt Ion:152 Resp: 144060
 Ion Ratio Lower Upper
 152 100
 115 63.3 44.9 134.5
 150 157.3 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 26.829 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047611.D
 Acq: 17 Sep 2025 12:42

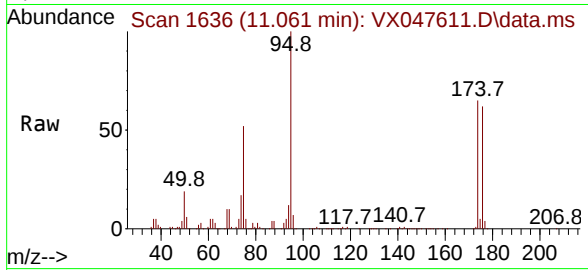
Tgt Ion: 75 Resp: 78255
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.419 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047611.D
 Acq: 17 Sep 2025 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20250909



Tgt Ion: 75 Resp: 78255
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

