

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092625\
 Data File : VX047859.D
 Acq On : 26 Sep 2025 15:28
 Operator : JC/MD
 Sample : Q3143-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Sep 26 23:16:47 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)

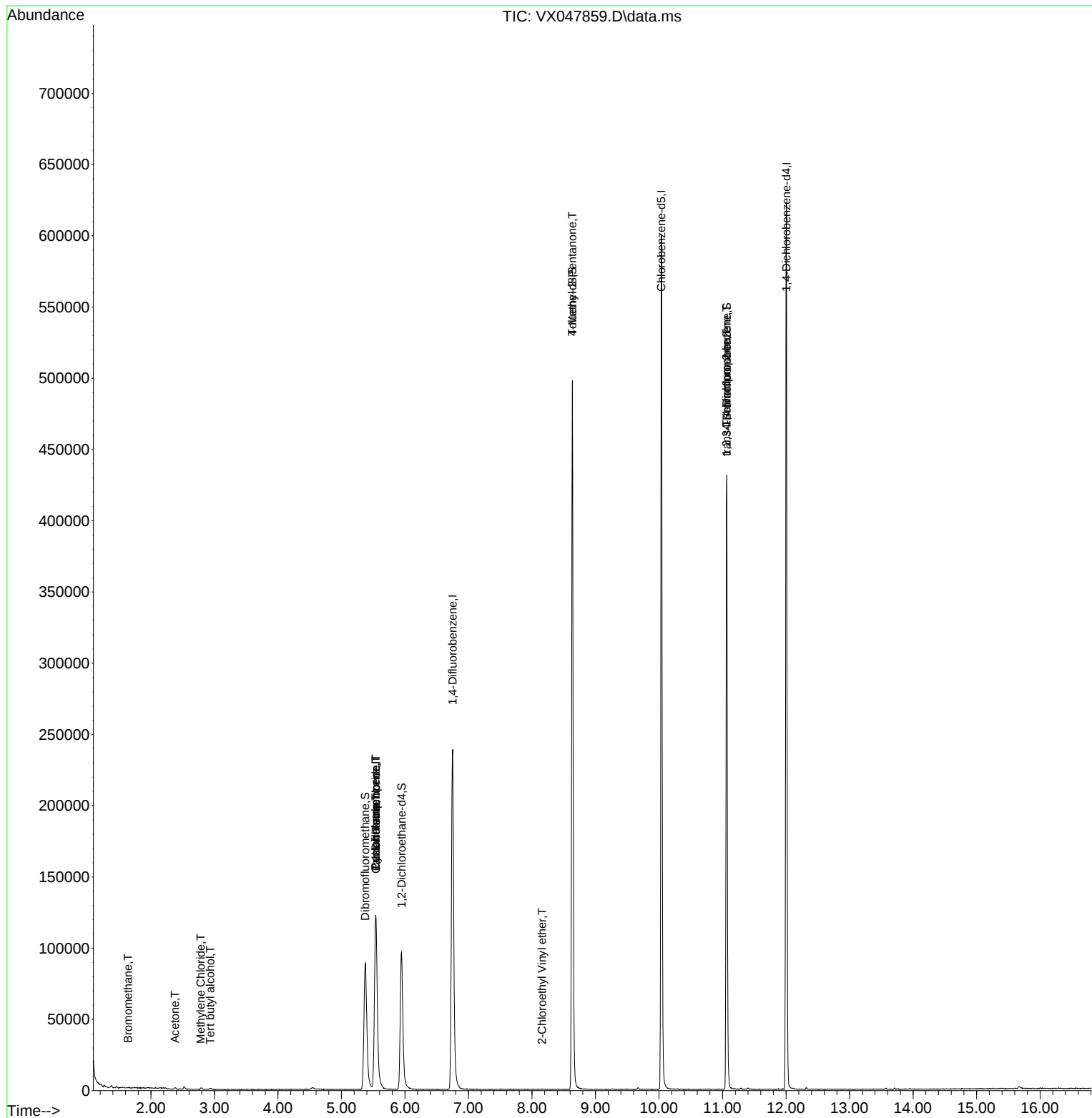
Internal Standards						
1) Pentafluorobenzene	5.538	168	125226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	264752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104699	52.526	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.060%	
35) Dibromofluoromethane	5.373	113	88246	49.700	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.400%	
50) Toluene-d8	8.635	98	300634	48.933	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.860%	
62) 4-Bromofluorobenzene	11.067	95	125483	53.816	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	216	0.204	ug/l #	49
11) Tert butyl alcohol	2.934	59	244	1.099	ug/l #	72
16) Acetone	2.380	43	1353	1.561	ug/l	97
20) Methylene Chloride	2.782	84	612	0.334	ug/l #	65
31) Cyclohexane	5.538	56	2657	1.009	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10688	4.119	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13628	4.834	ug/l #	18
51) 4-Methyl-2-Pentanone	8.635	43	1526	0.604	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.159	63	331	8.129	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	64604	23.681	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	64604	60.390	ug/l #	8

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

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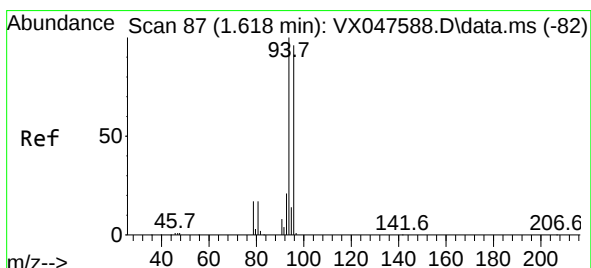
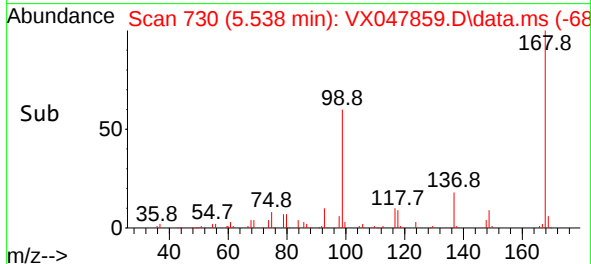
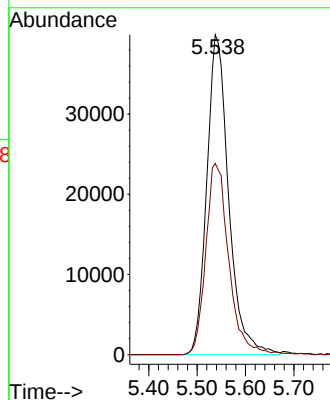
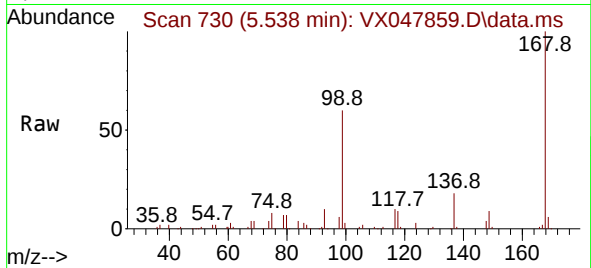




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047859.D
Acq: 26 Sep 2025 15:28

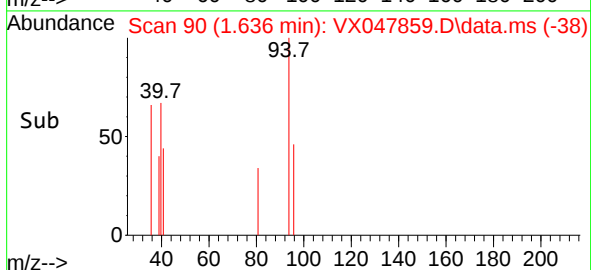
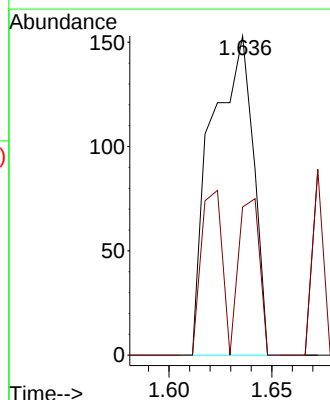
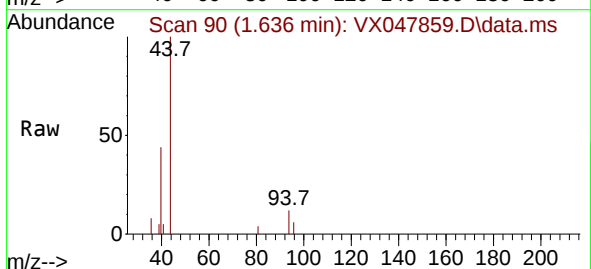
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

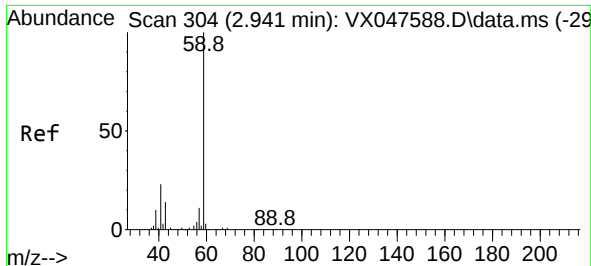
Tgt Ion:168 Resp: 125226
Ion Ratio Lower Upper
168 100
99 59.8 48.8 73.2



#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX047859.D
Acq: 26 Sep 2025 15:28

Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 46.4 76.6 115.0#





#11

Tert butyl alcohol

Concen: 1.099 ug/l

RT: 2.934 min Scan# 304

Delta R.T. -0.006 min

Lab File: VX047859.D

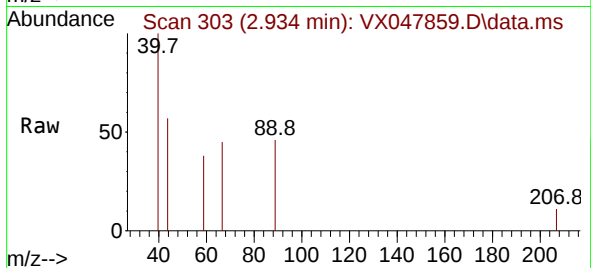
Acq: 26 Sep 2025 15:28

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

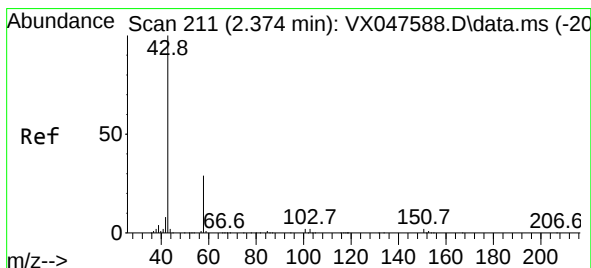
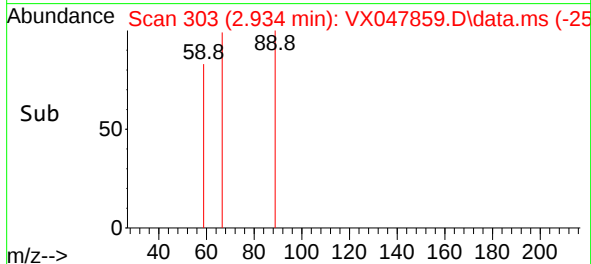
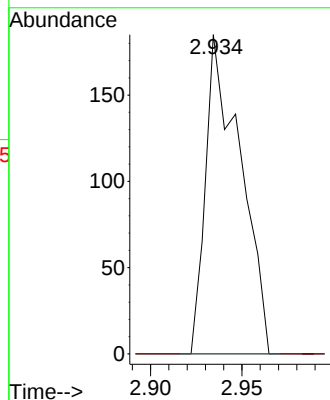


Tgt Ion: 59 Resp: 244

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.561 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX047859.D

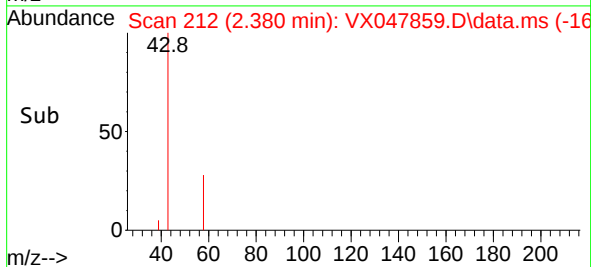
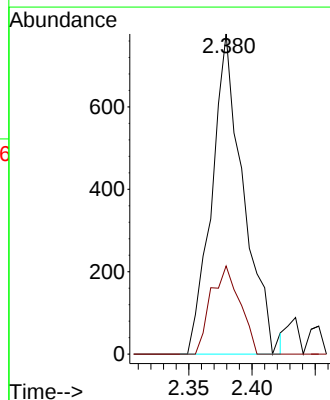
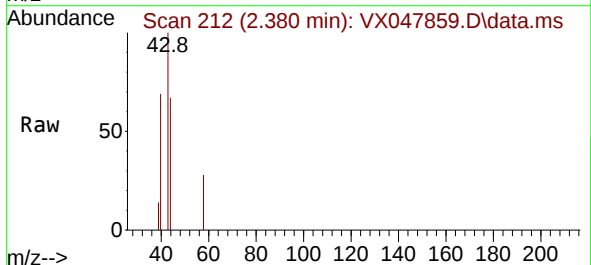
Acq: 26 Sep 2025 15:28

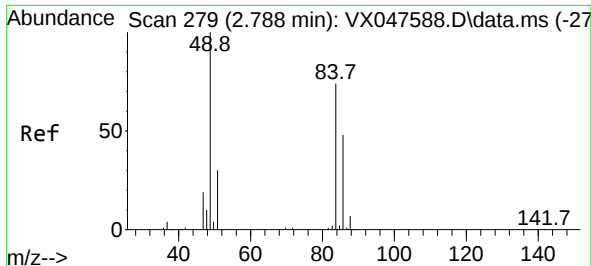
Tgt Ion: 43 Resp: 1353

Ion Ratio Lower Upper

43 100

58 27.5 23.4 35.0

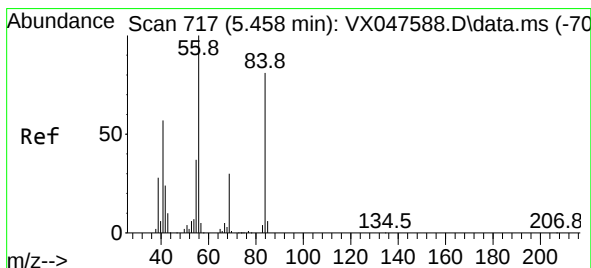
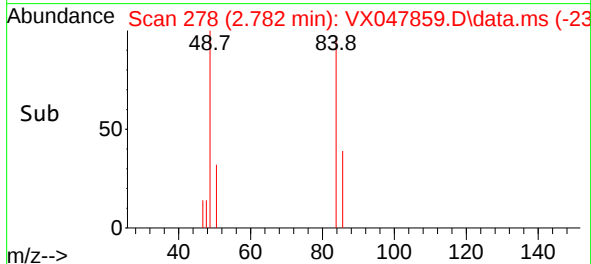
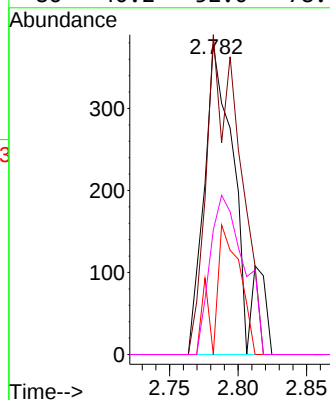
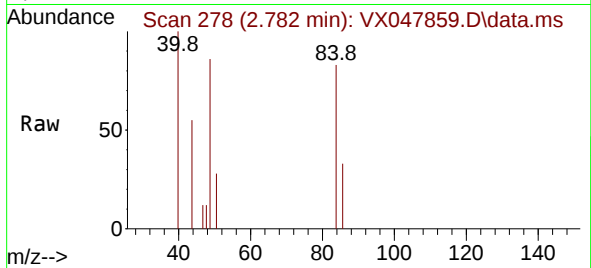




#20
Methylene Chloride
Concen: 0.334 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047859.D
Acq: 26 Sep 2025 15:28

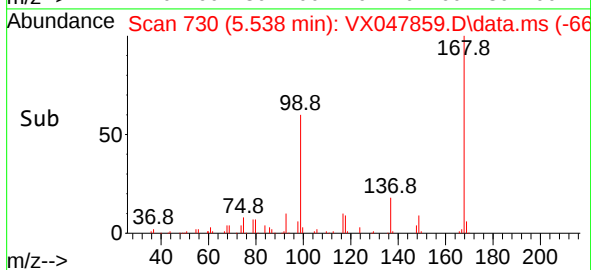
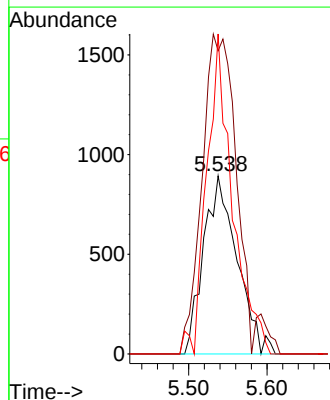
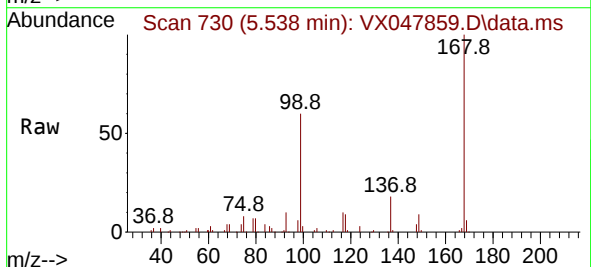
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

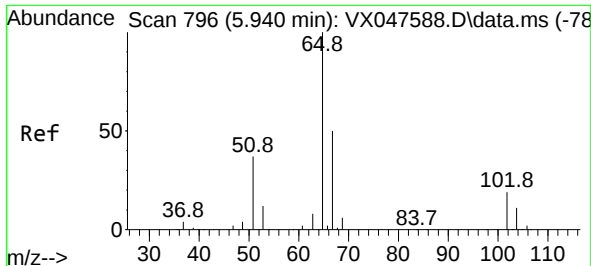
Tgt Ion:	84	Resp:	612
Ion	Ratio	Lower	Upper
84	100		
49	103.2	108.6	162.8#
51	0.0	32.6	48.8#
86	40.2	52.0	78.0#



#31
Cyclohexane
Concen: 1.009 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047859.D
Acq: 26 Sep 2025 15:28

Tgt Ion:	56	Resp:	2657
Ion	Ratio	Lower	Upper
56	100		
69	170.3	23.8	35.8#
84	179.7	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.526 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047859.D

Acq: 26 Sep 2025 15:28

Instrument :

MSVOA_X

ClientSampleId :

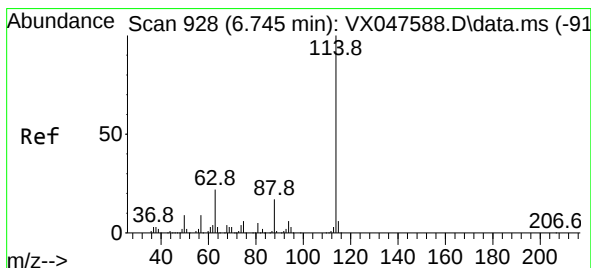
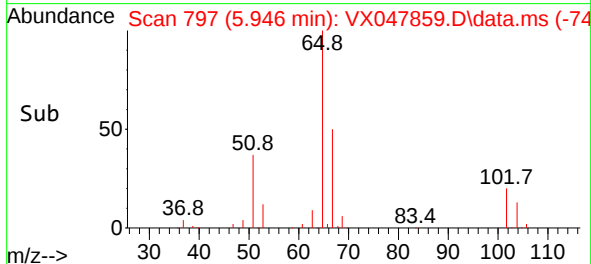
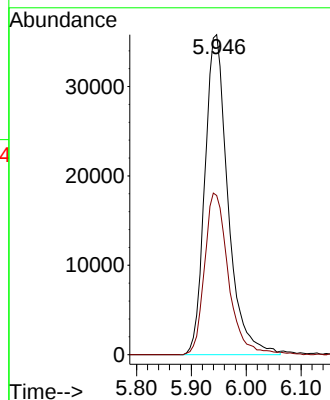
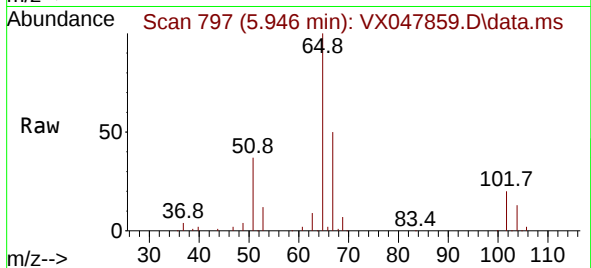
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 104699

Ion Ratio Lower Upper

65 100

67 52.3 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: VX047859.D

Acq: 26 Sep 2025 15:28

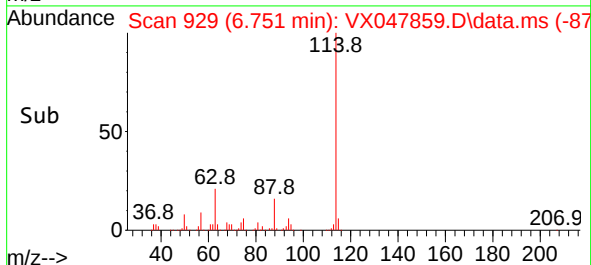
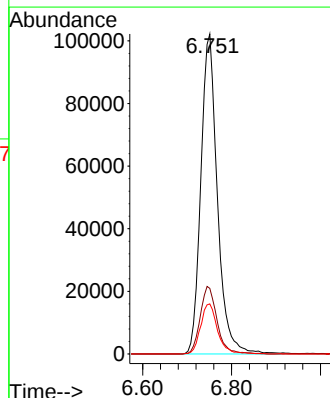
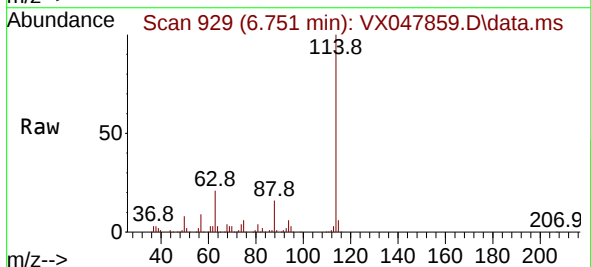
Tgt Ion: 114 Resp: 264752

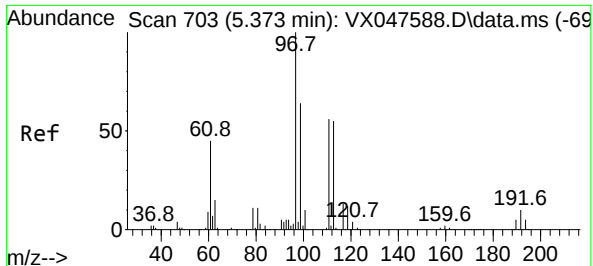
Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.0

88 15.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.700 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047859.D

Acq: 26 Sep 2025 15:28

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

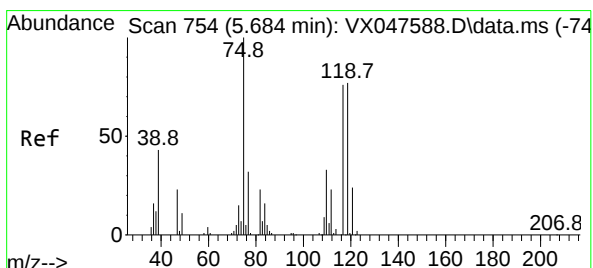
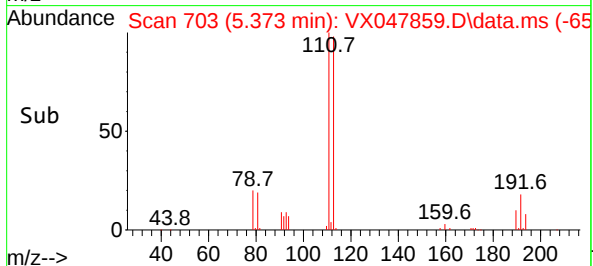
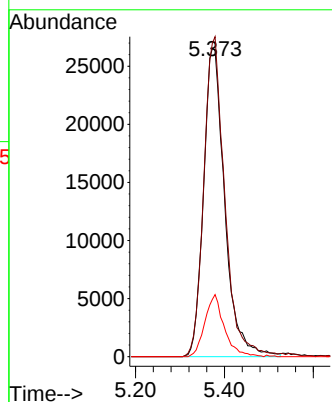
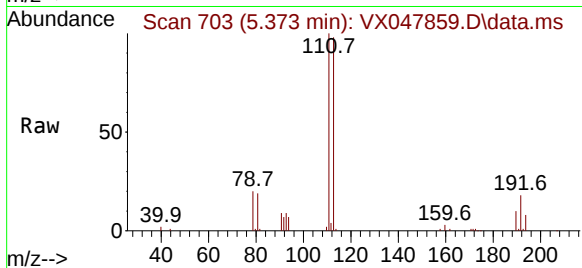
Tgt Ion:113 Resp: 88246

Ion Ratio Lower Upper

113 100

111 102.6 80.9 121.3

192 18.4 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.119 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX047859.D

Acq: 26 Sep 2025 15:28

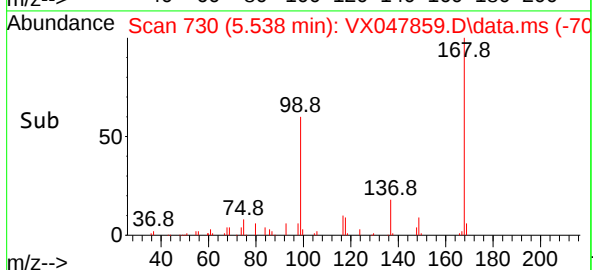
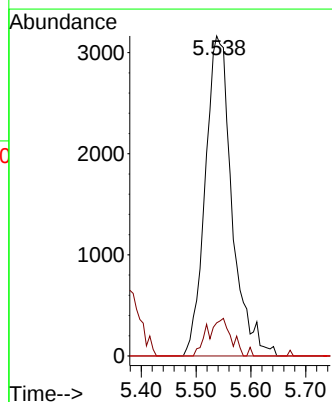
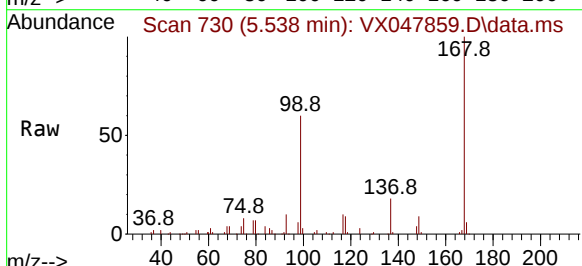
Tgt Ion: 75 Resp: 10688

Ion Ratio Lower Upper

75 100

110 7.5 16.7 50.1#

77 0.0 24.3 36.5#

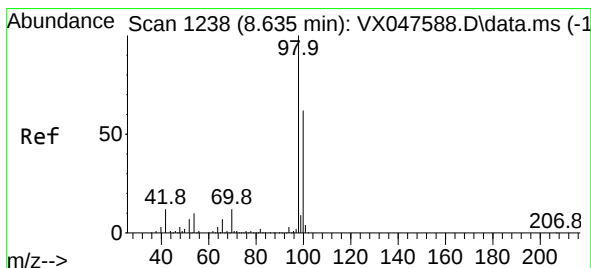
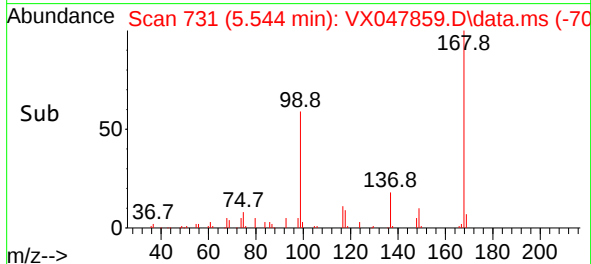
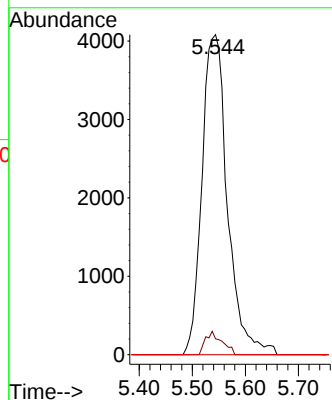
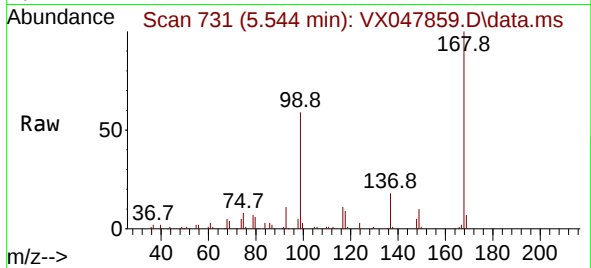




#38
Carbon Tetrachloride
Concen: 4.834 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047859.D
Acq: 26 Sep 2025 15:28

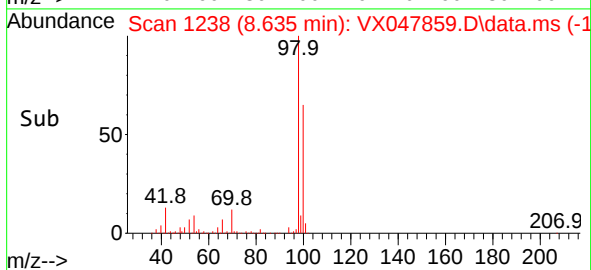
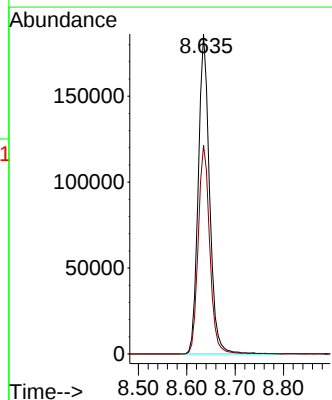
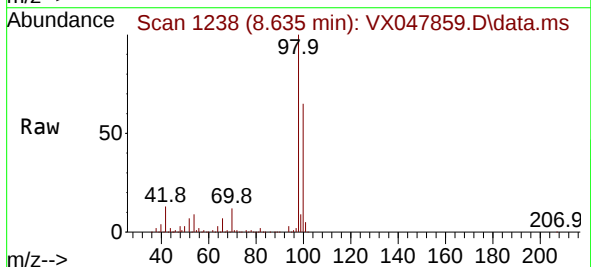
Instrument :
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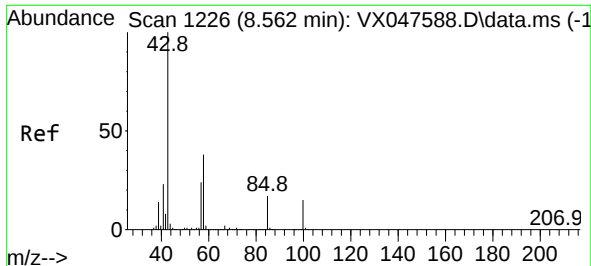
Tgt Ion: 117 Resp: 13628
Ion Ratio Lower Upper
117 100
119 4.9 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.933 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047859.D
Acq: 26 Sep 2025 15:28

Tgt Ion: 98 Resp: 300634
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 0.604 ug/l

RT: 8.635 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX047859.D

Acq: 26 Sep 2025 15:28

Instrument :

MSVOA_X

ClientSampleId :

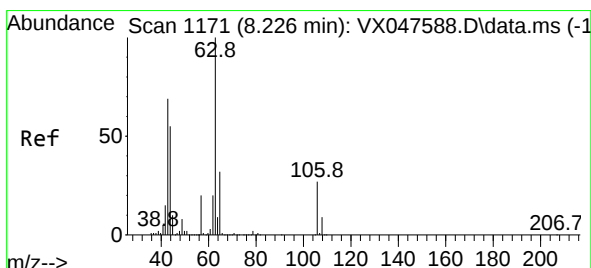
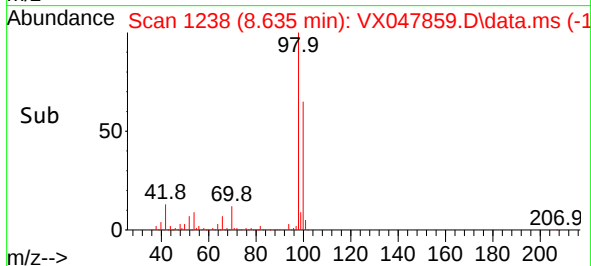
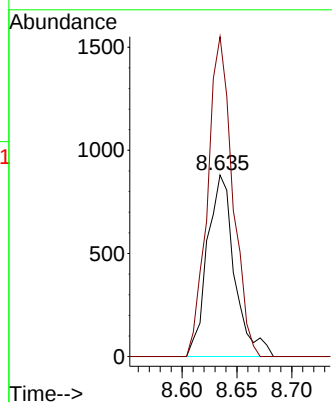
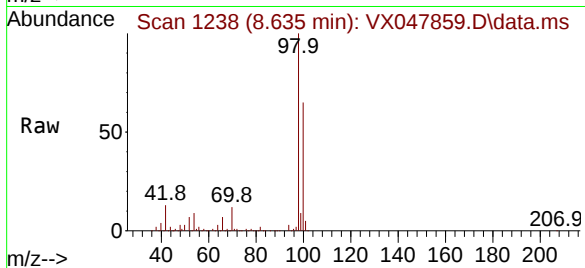
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 43 Resp: 1526

Ion Ratio Lower Upper

43 100

58 162.3 30.3 45.5#



#58

2-Chloroethyl Vinyl ether

Concen: 8.129 ug/l

RT: 8.159 min Scan# 1160

Delta R.T. -0.067 min

Lab File: VX047859.D

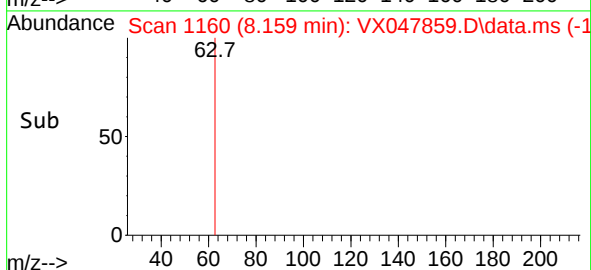
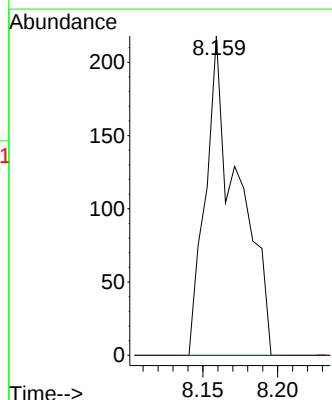
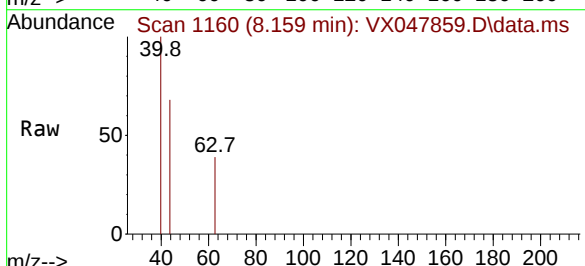
Acq: 26 Sep 2025 15:28

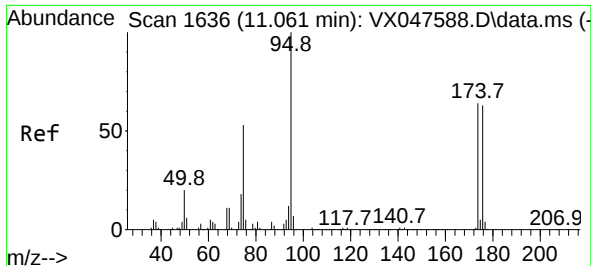
Tgt Ion: 63 Resp: 331

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#





#62

4-Bromofluorobenzene

Concen: 53.816 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047859.D

Acq: 26 Sep 2025 15:28

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

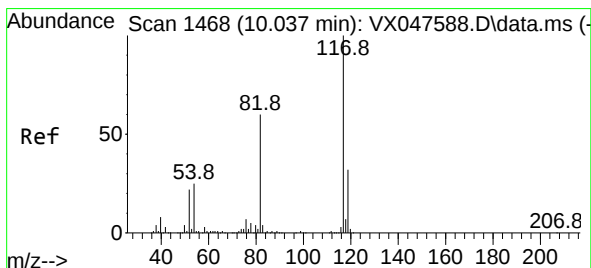
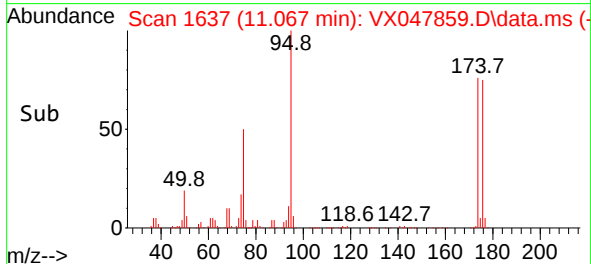
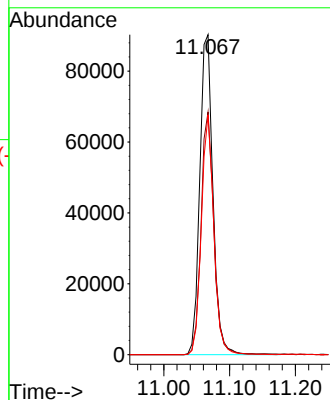
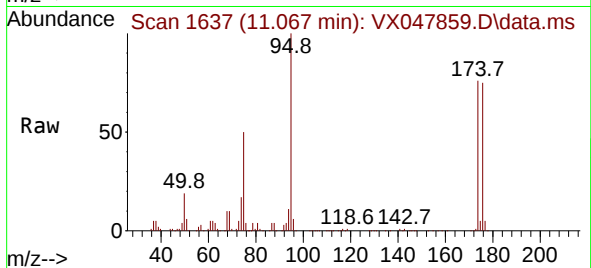
Tgt Ion: 95 Resp: 125483

Ion Ratio Lower Upper

95 100

174 73.4 0.0 141.6

176 71.1 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: VX047859.D

Acq: 26 Sep 2025 15:28

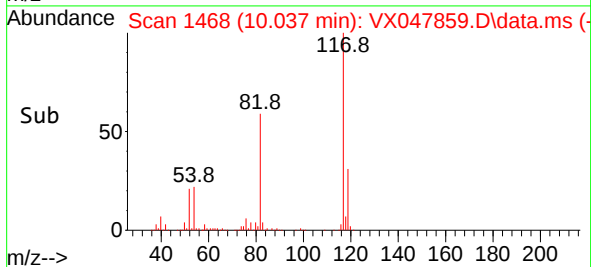
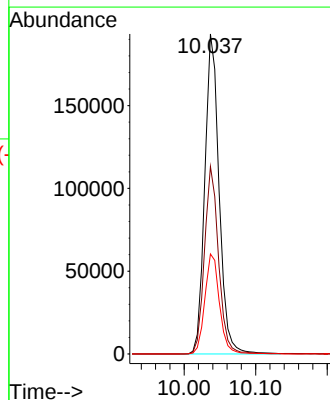
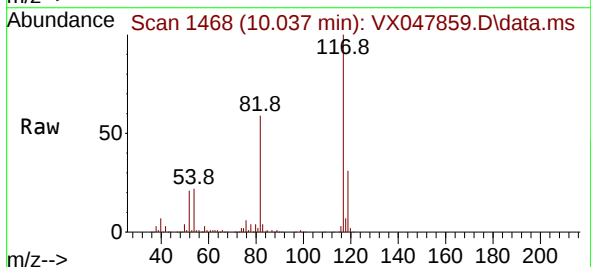
Tgt Ion: 117 Resp: 269079

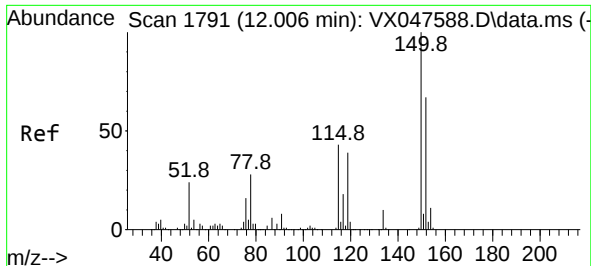
Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.6

119 31.2 25.2 37.8

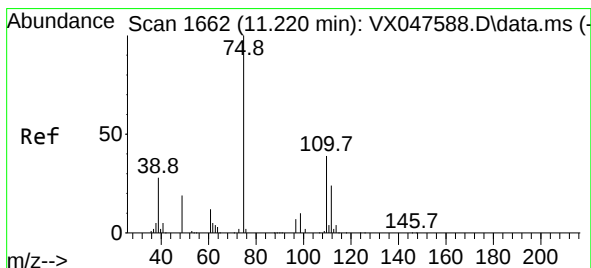
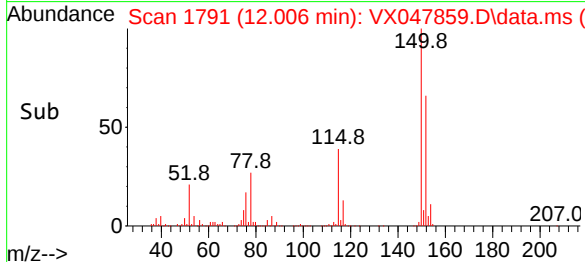
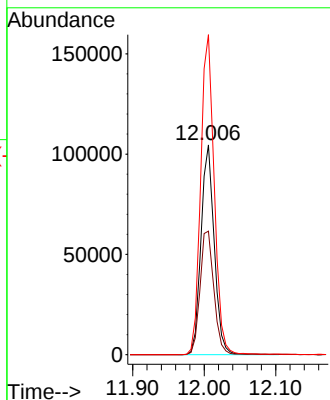
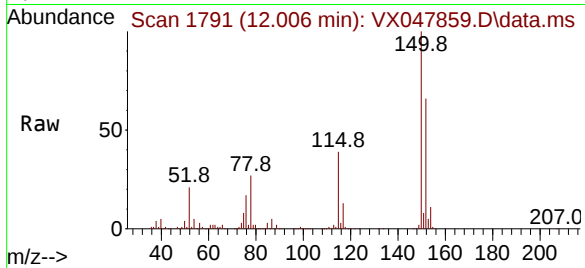




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047859.D
 Acq: 26 Sep 2025 15:28

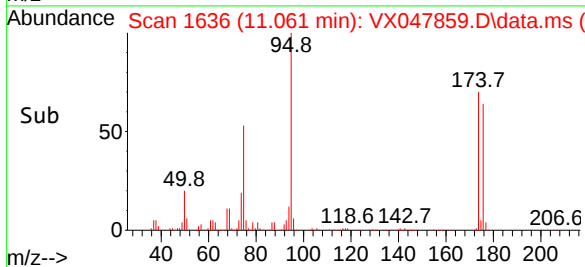
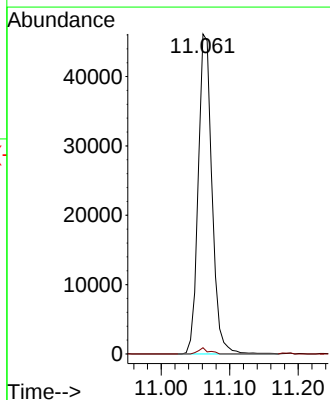
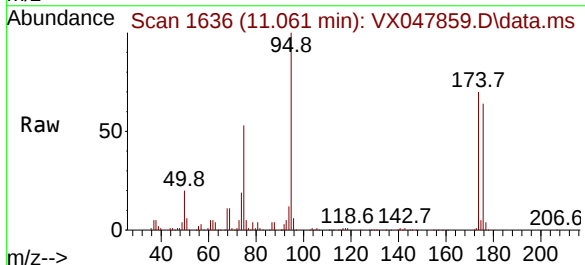
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

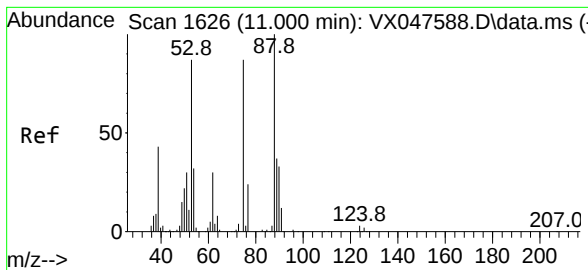
Tgt Ion:152 Resp: 134741
 Ion Ratio Lower Upper
 152 100
 115 61.6 44.9 134.5
 150 156.0 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 23.681 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047859.D
 Acq: 26 Sep 2025 15:28

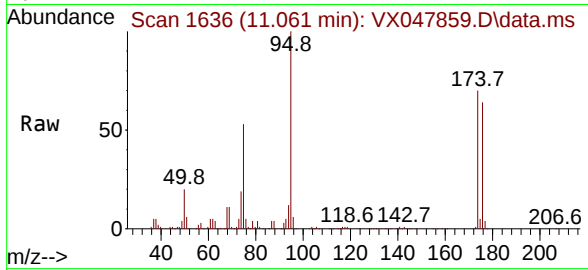
Tgt Ion: 75 Resp: 64604
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.390 ug/l
 RT: 11.061 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX047859.D
 Acq: 26 Sep 2025 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5



Tgt Ion: 75 Resp: 64604
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

