

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048114.D
 Acq On : 10 Oct 2025 15:54
 Operator : JC/MD
 Sample : Q3311-06DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1DDL

Quant Time: Oct 10 23:50:30 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)

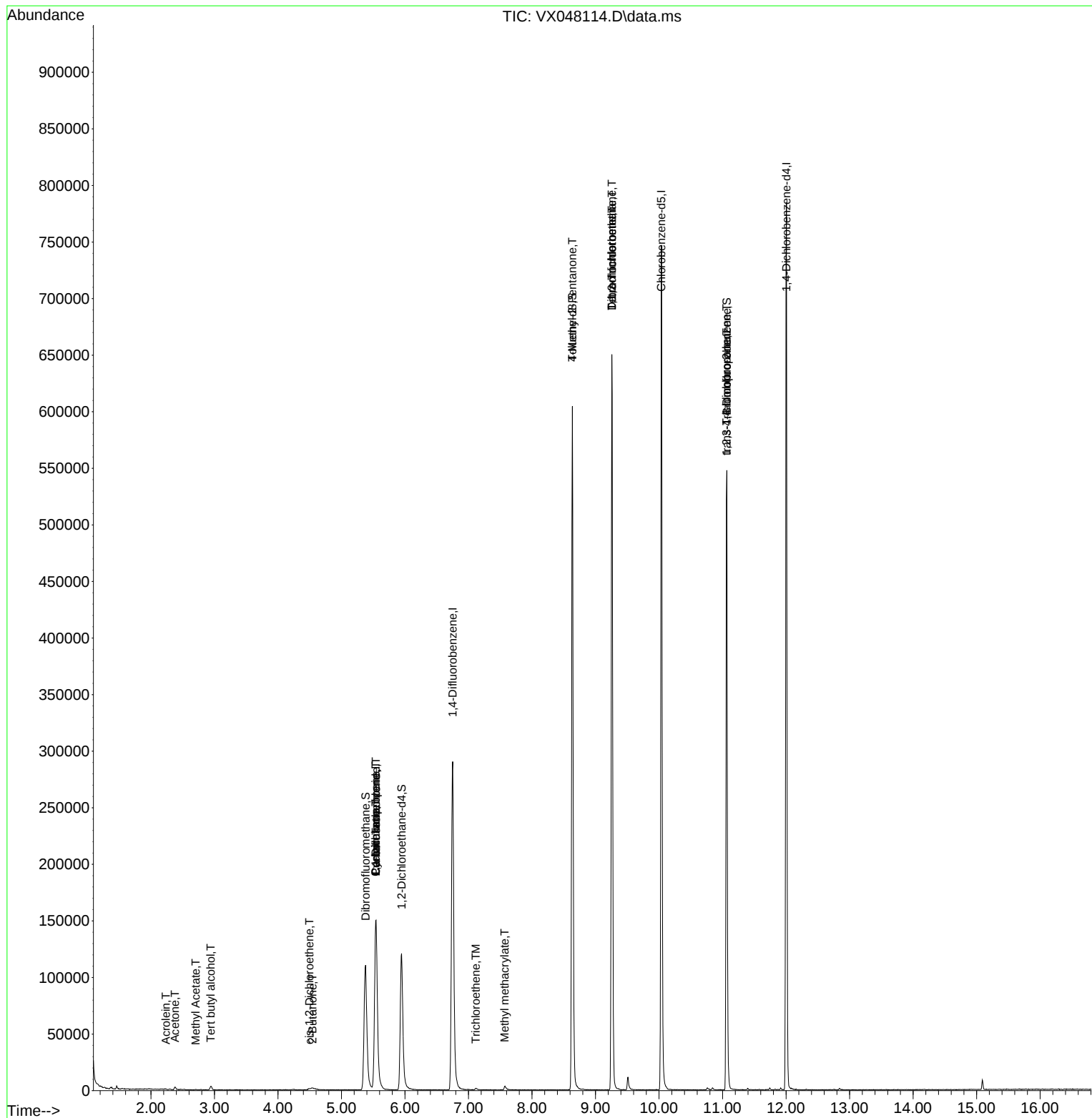
Internal Standards						
1) Pentafluorobenzene	5.544	168	149568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	313800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	328751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	162002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	132265	55.556	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.120%
35) Dibromofluoromethane	5.379	113	106263	50.493	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.980%
50) Toluene-d8	8.635	98	364070	49.996	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.000%
62) 4-Bromofluorobenzene	11.067	95	156454	56.611	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1652	6.230	ug/l #	72
13) Acrolein	2.233	56	186	0.761	ug/l #	14
16) Acetone	2.380	43	3223	3.114	ug/l #	82
18) Methyl Acetate	2.703	43	753	0.327	ug/l #	77
25) 2-Butanone	4.544	43	275	0.213	ug/l #	50
27) cis-1,2-Dichloroethene	4.495	96	899	0.384	ug/l	52
31) Cyclohexane	5.538	56	3655	1.162	ug/l #	3
36) 1,1-Dichloropropene	5.538	75	13237	4.304	ug/l #	51
38) Carbon Tetrachloride	5.544	117	16806	5.030	ug/l #	17
44) Trichloroethene	7.117	130	515	0.228	ug/l	74
48) Methyl methacrylate	7.568	41	1350	0.502	ug/l #	16
51) 4-Methyl-2-Pentanone	8.635	43	1855	0.620	ug/l #	1
55) 1,1,2-Trichloroethane	9.256	97	1128	0.508	ug/l #	7
60) Dibromochloromethane	9.256	129	122140	47.773	ug/l #	11
64) Tetrachloroethene	9.256	164	122491	57.156	ug/l	99
76) 1,2,3-Trichloropropane	11.061	75	82745	25.227	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	82745	64.332	ug/l #	8

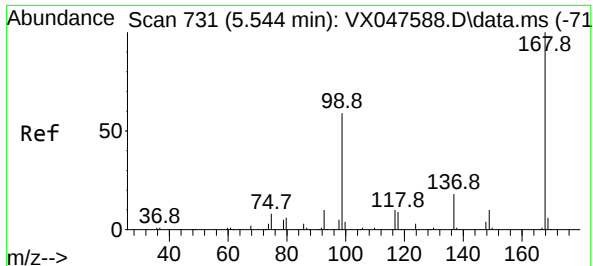
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
MW-1DDL

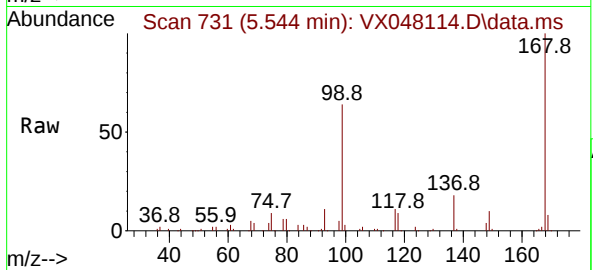
Quant Time: Oct 10 23:50:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
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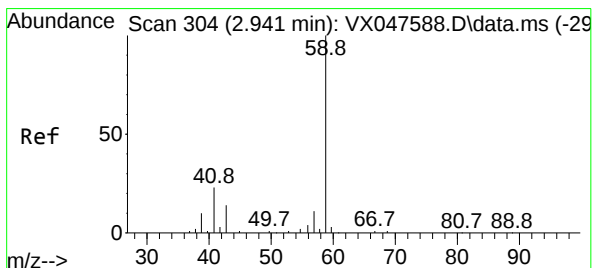
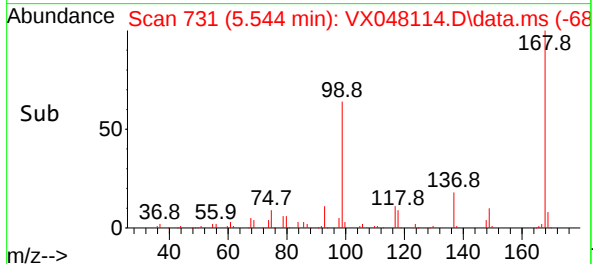
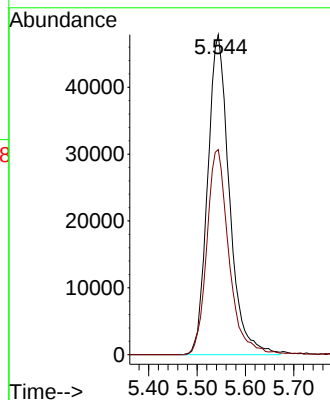


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :
MW-1DDL

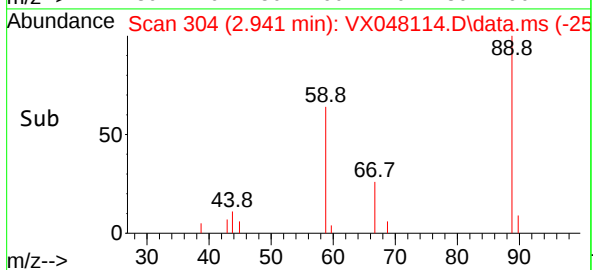
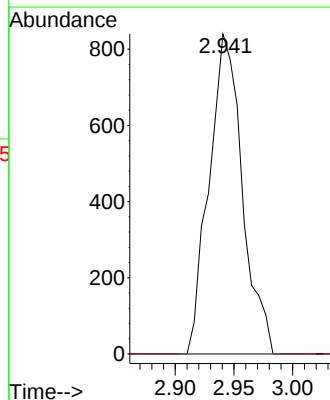
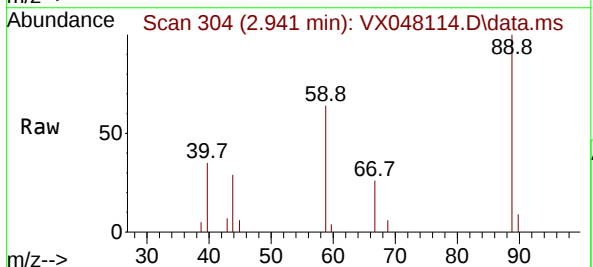


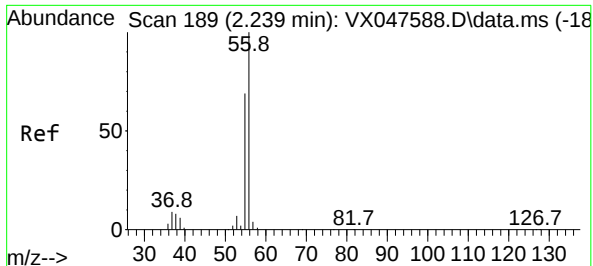
Tgt Ion:168 Resp: 149568
Ion Ratio Lower Upper
168 100
99 64.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 6.230 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Tgt Ion: 59 Resp: 1652
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

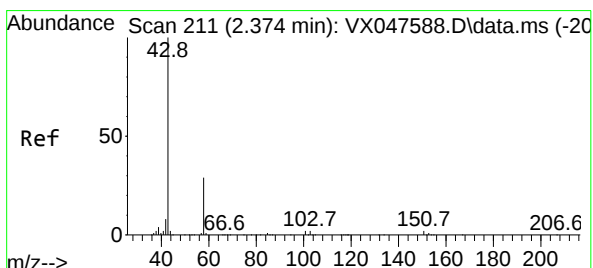
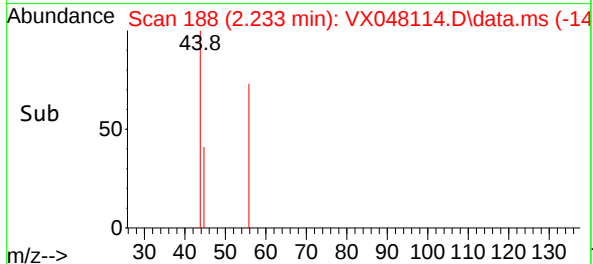
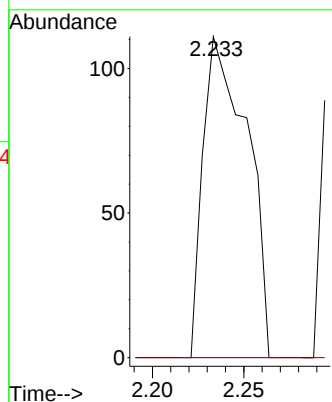
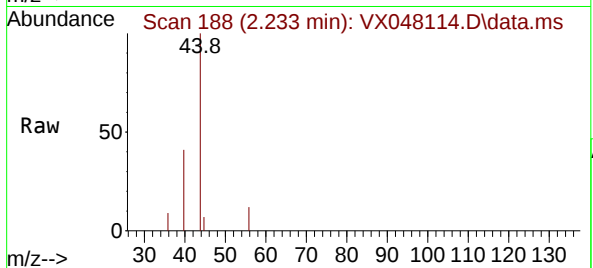




#13
Acrolein
Concen: 0.761 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

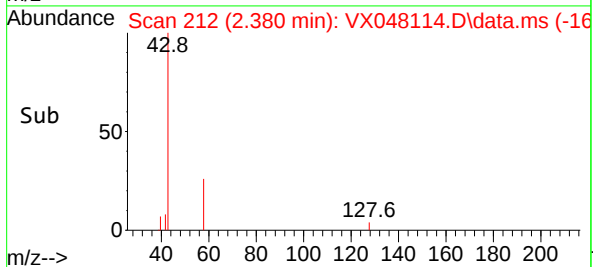
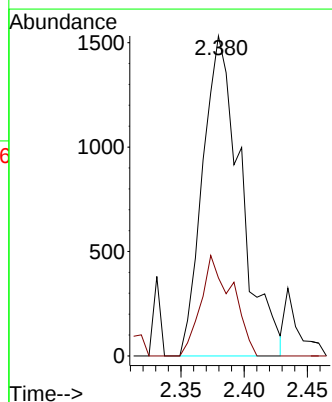
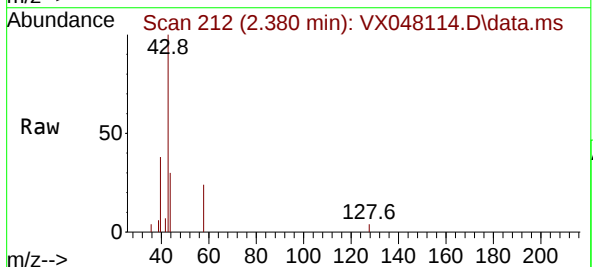
Instrument :
MSVOA_X
ClientSampleId :
MW-1DDL

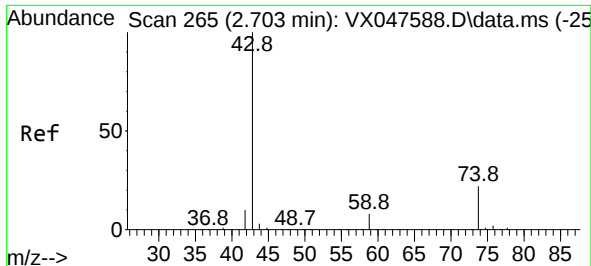
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 3.114 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Tgt Ion: 43 Resp: 3223
Ion Ratio Lower Upper
43 100
58 19.8 23.4 35.0#





#18

Methyl Acetate

Concen: 0.327 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX048114.D

Acq: 10 Oct 2025 15:54

Instrument :

MSVOA_X

ClientSampleId :

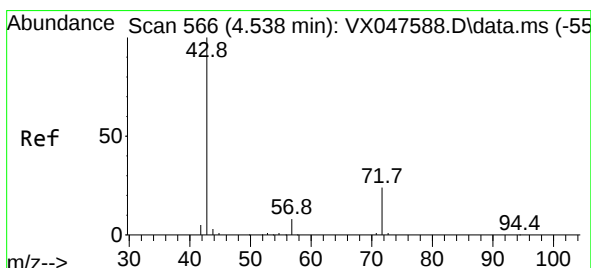
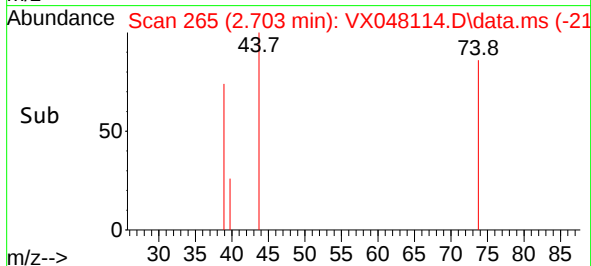
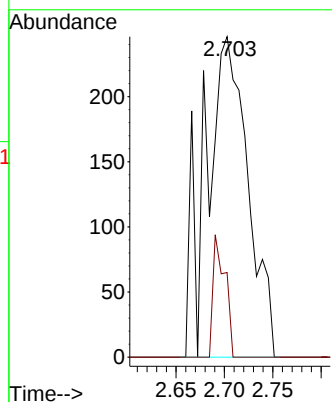
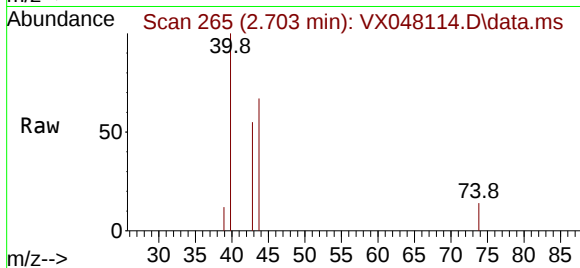
MW-1DDL

Tgt Ion: 43 Resp: 753

Ion Ratio Lower Upper

43 100

74 10.9 17.4 26.2#



#25

2-Butanone

Concen: 0.213 ug/l

RT: 4.544 min Scan# 567

Delta R.T. 0.006 min

Lab File: VX048114.D

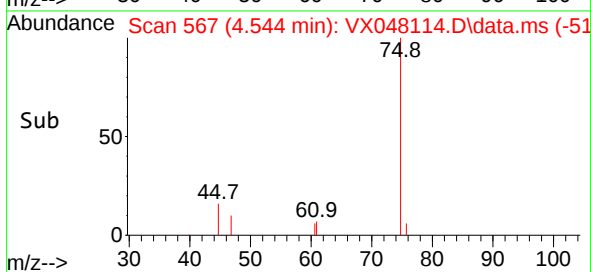
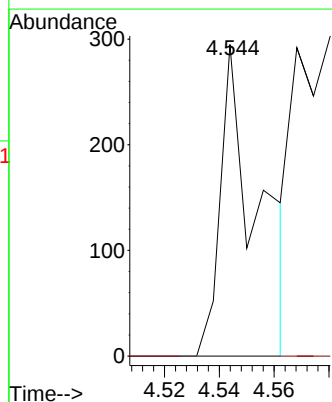
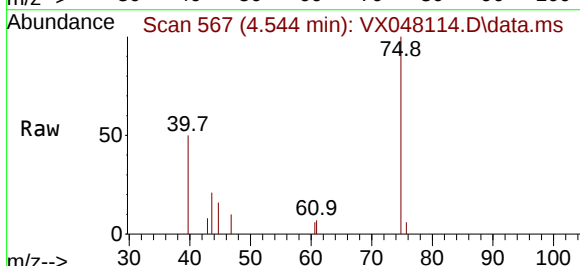
Acq: 10 Oct 2025 15:54

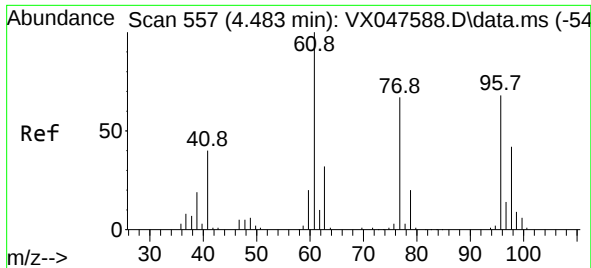
Tgt Ion: 43 Resp: 275

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#





#27

cis-1,2-Dichloroethene

Concen: 0.384 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX048114.D

Acq: 10 Oct 2025 15:54

Instrument :

MSVOA_X

ClientSampleId :

MW-1DDL

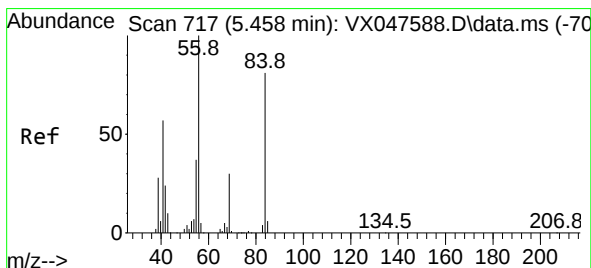
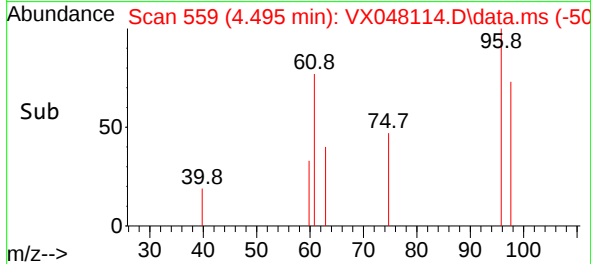
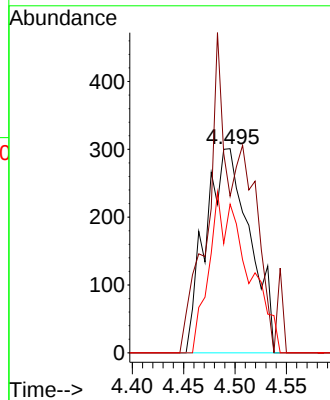
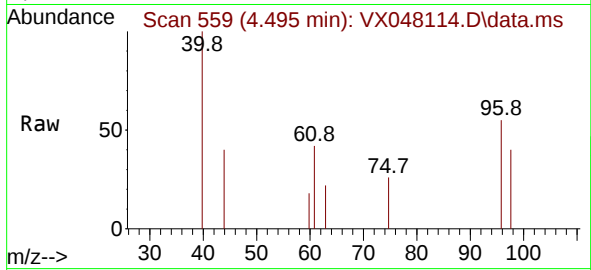
Tgt Ion: 96 Resp: 899

Ion Ratio Lower Upper

96 100

61 68.0 0.0 303.2

98 68.2 0.0 127.8



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048114.D

Acq: 10 Oct 2025 15:54

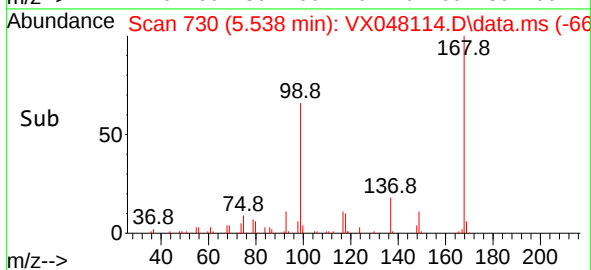
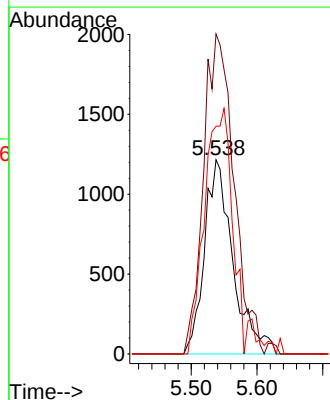
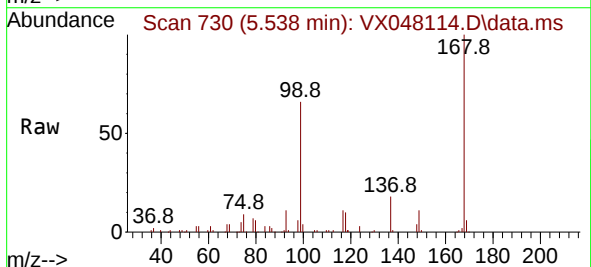
Tgt Ion: 56 Resp: 3655

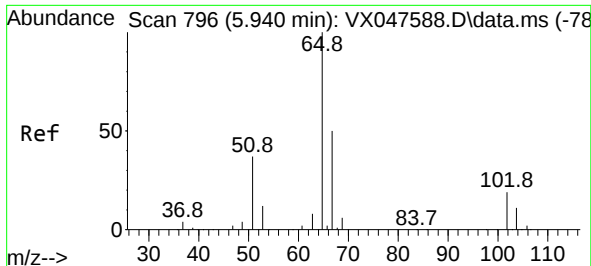
Ion Ratio Lower Upper

56 100

69 164.7 23.8 35.8#

84 117.2 64.6 97.0#

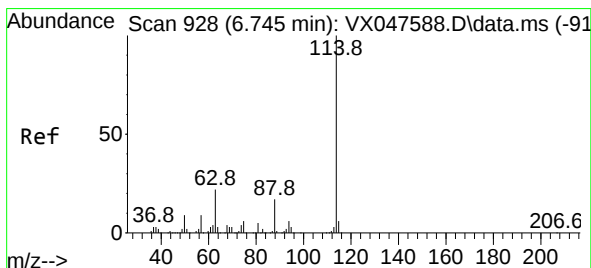
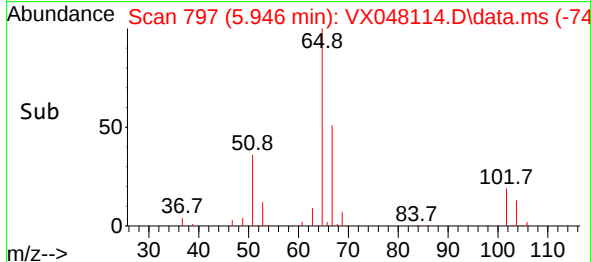
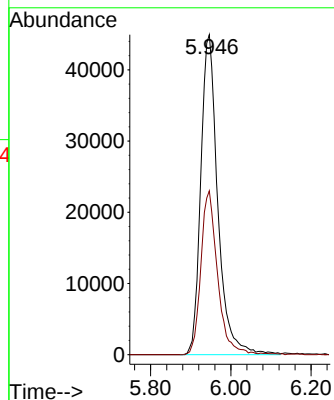
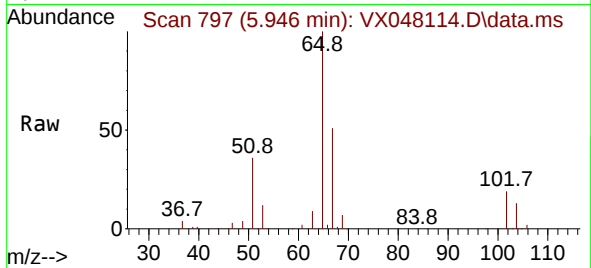




#33
 1,2-Dichloroethane-d4
 Concen: 55.556 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048114.D
 Acq: 10 Oct 2025 15:54

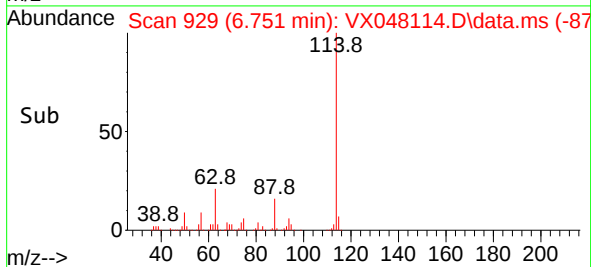
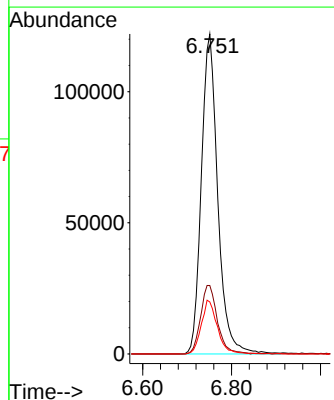
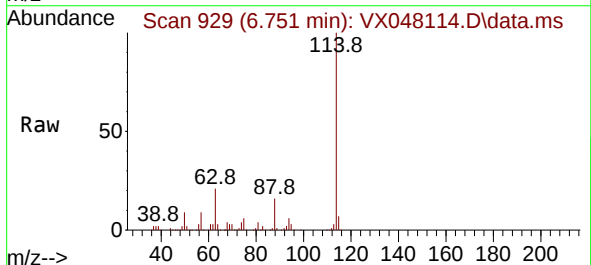
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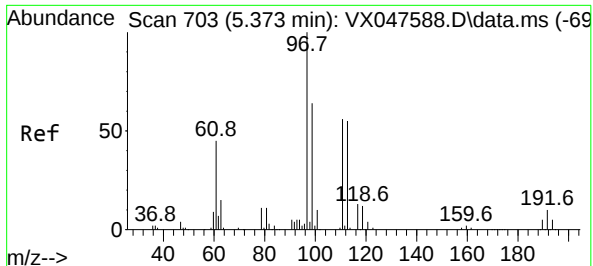
Tgt Ion: 65 Resp: 132265
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048114.D
 Acq: 10 Oct 2025 15:54

Tgt Ion: 114 Resp: 313800
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.0
 88 16.3 0.0 34.2

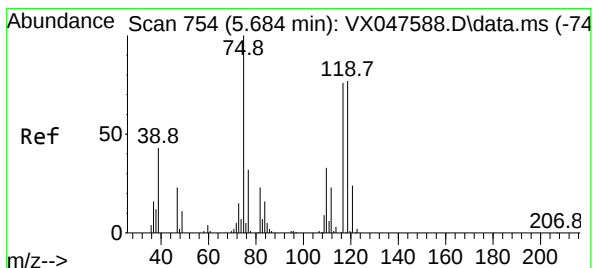
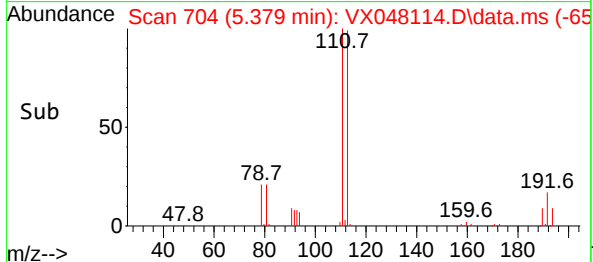
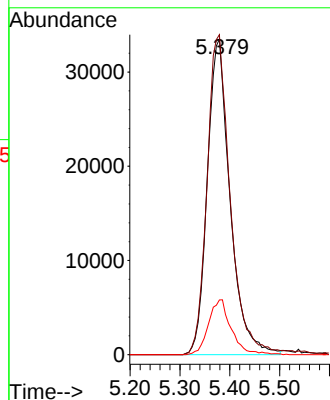
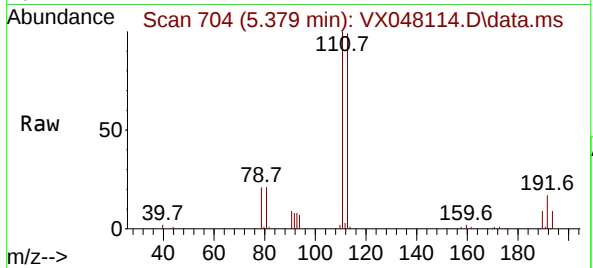




#35
Dibromofluoromethane
Concen: 50.493 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

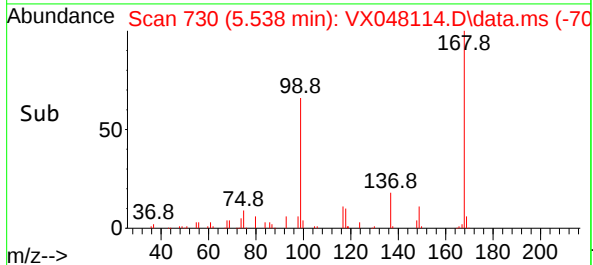
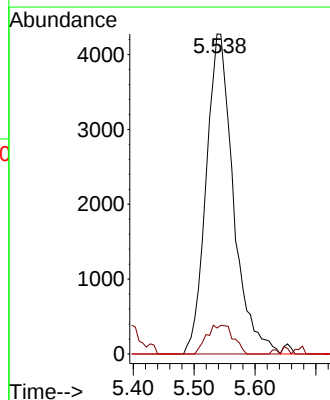
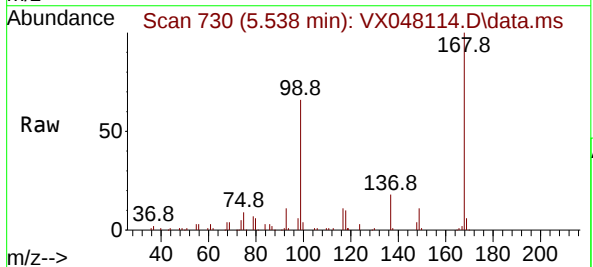
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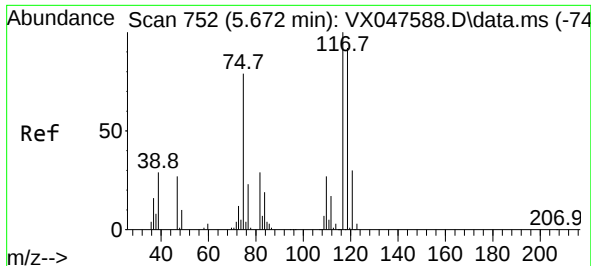
Tgt Ion:113 Resp: 106263
Ion Ratio Lower Upper
113 100
111 103.8 80.9 121.3
192 17.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.304 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Tgt Ion: 75 Resp: 13237
Ion Ratio Lower Upper
75 100
110 8.8 16.7 50.1#
77 0.0 24.3 36.5#

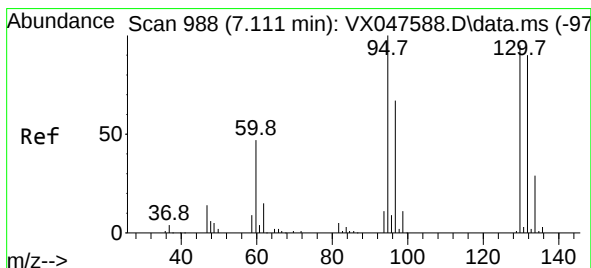
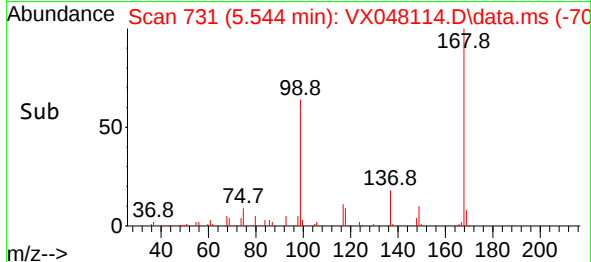
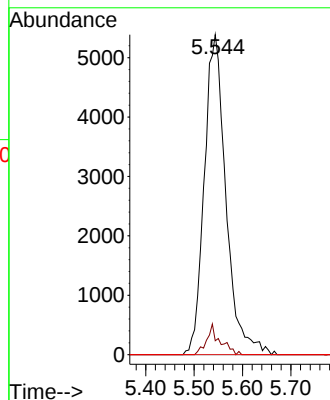
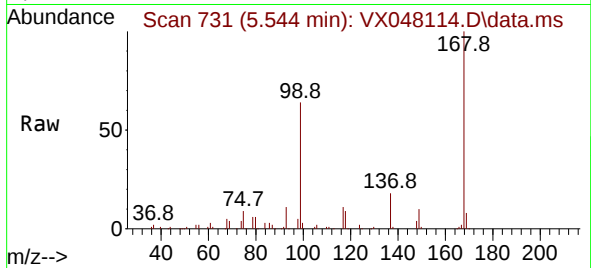




#38
Carbon Tetrachloride
Concen: 5.030 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

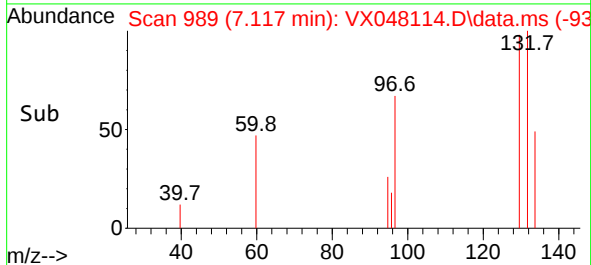
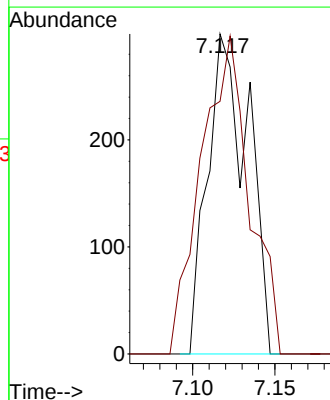
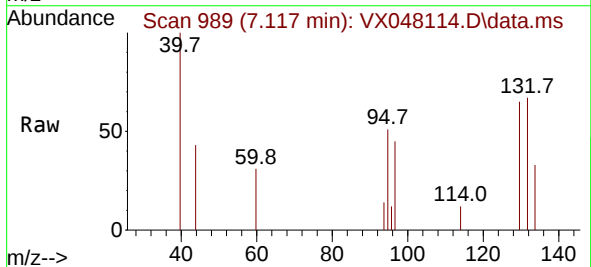
Instrument :
MSVOA_X
ClientSampleId :
MW-1DDL

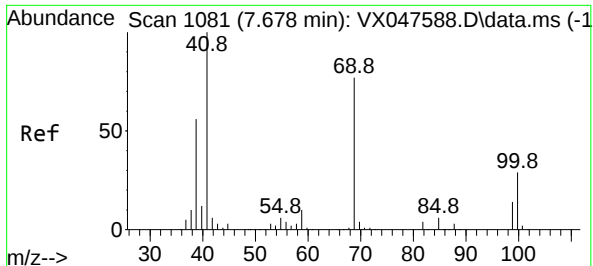
Tgt Ion:117 Resp: 16806
Ion Ratio Lower Upper
117 100
119 4.4 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.228 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Tgt Ion:130 Resp: 515
Ion Ratio Lower Upper
130 100
95 78.9 0.0 210.8





#48

Methyl methacrylate

Concen: 0.502 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.110 min

Lab File: VX048114.D

Acq: 10 Oct 2025 15:54

Instrument :

MSVOA_X

ClientSampleId :

MW-1DDL

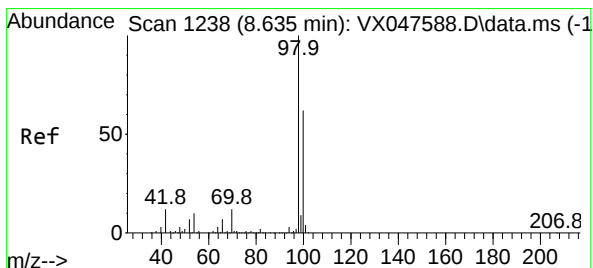
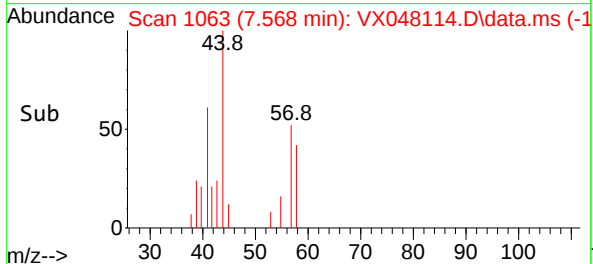
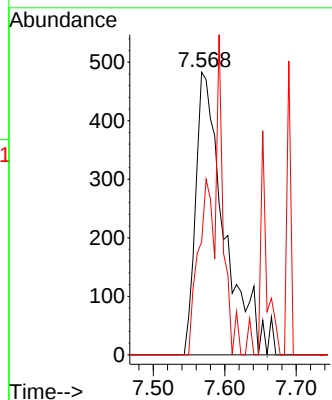
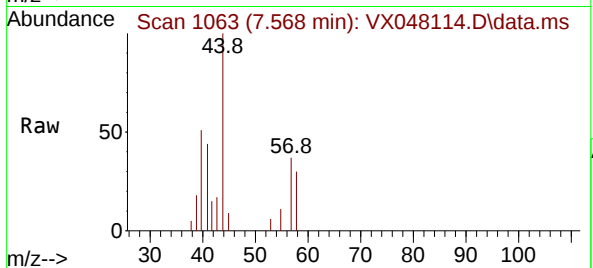
Tgt Ion: 41 Resp: 1350

Ion Ratio Lower Upper

41 100

69 0.0 61.4 92.2#

39 0.0 45.8 68.6#



#50

Toluene-d8

Concen: 49.996 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048114.D

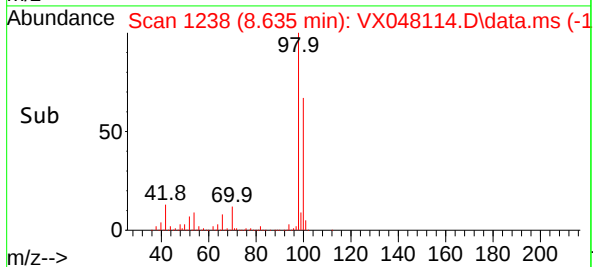
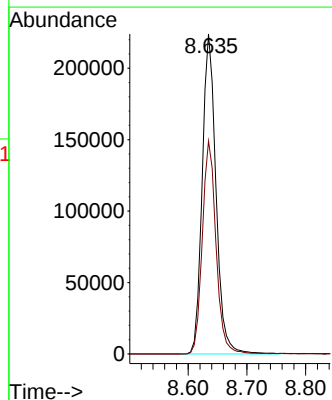
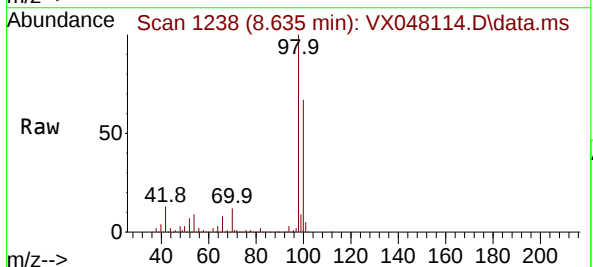
Acq: 10 Oct 2025 15:54

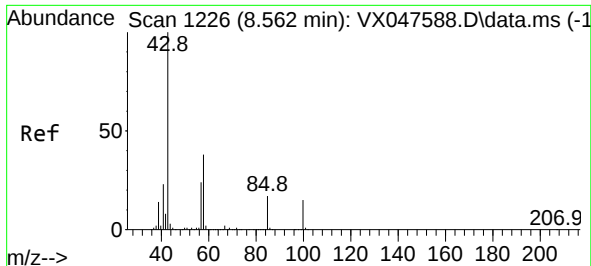
Tgt Ion: 98 Resp: 364070

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4

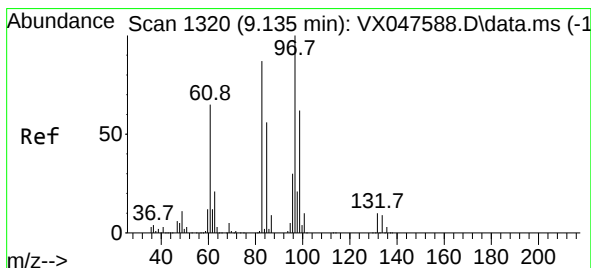
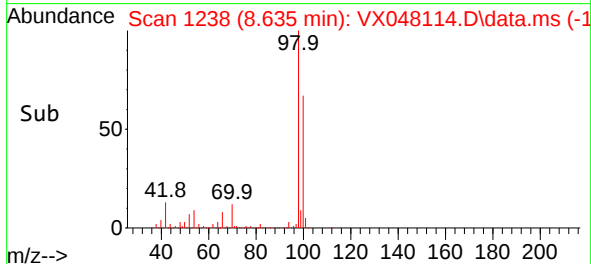
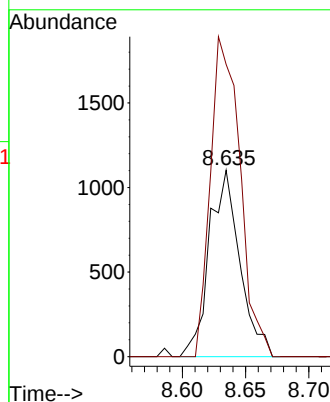
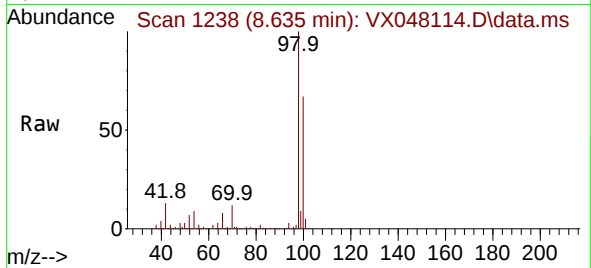




#51
4-Methyl-2-Pentanone
Concen: 0.620 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

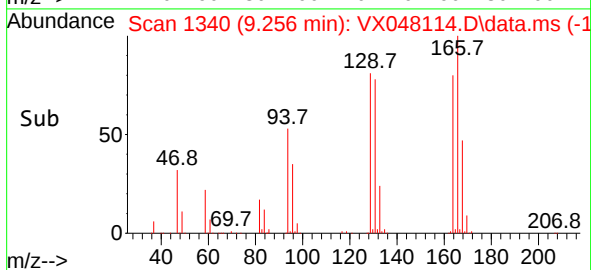
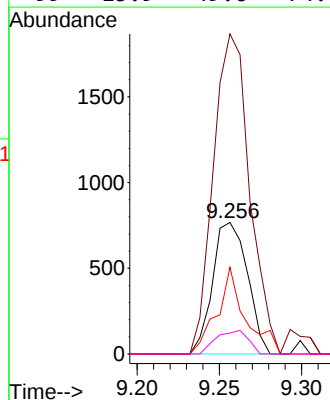
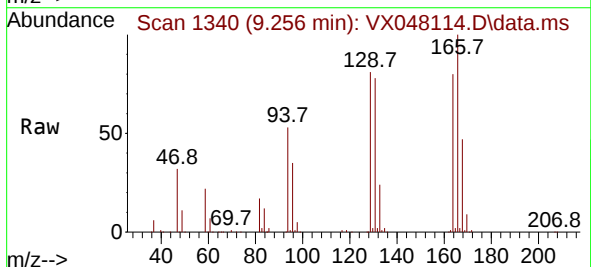
Instrument :
MSVOA_X
ClientSampleId :
MW-1DDL

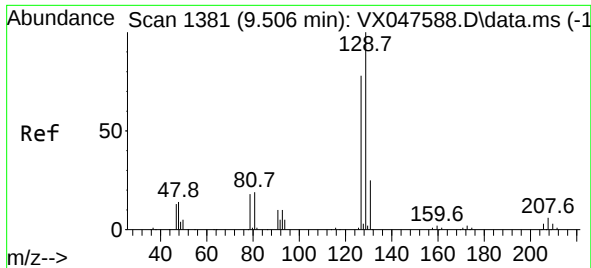
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
58 166.4 30.3 45.5#



#55
1,1,2-Trichloroethane
Concen: 0.508 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.122 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Tgt Ion: 97 Resp: 1128
Ion Ratio Lower Upper
97 100
83 243.4 69.6 104.4#
85 66.0 45.0 67.6
99 15.9 49.6 74.4#

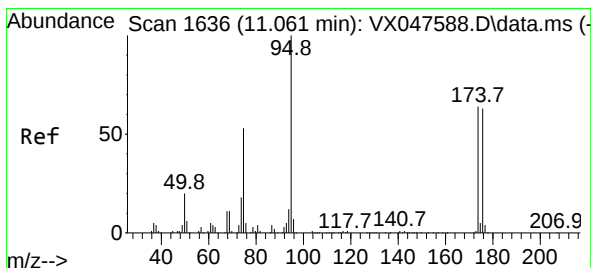
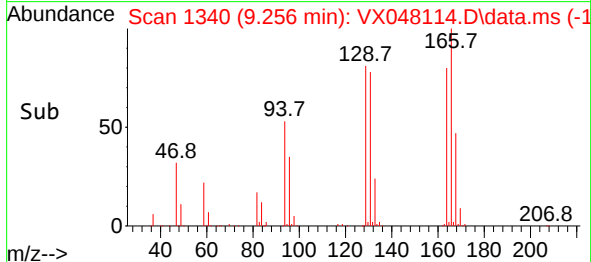
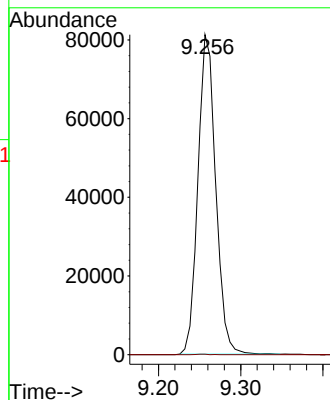
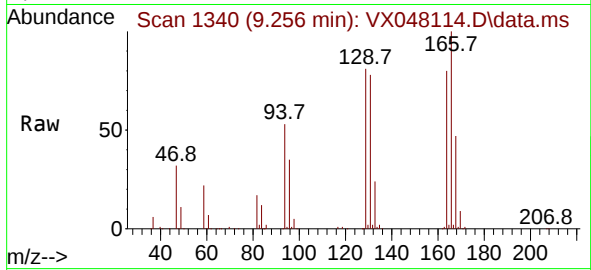




#60
Dibromochloromethane
Concen: 47.773 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

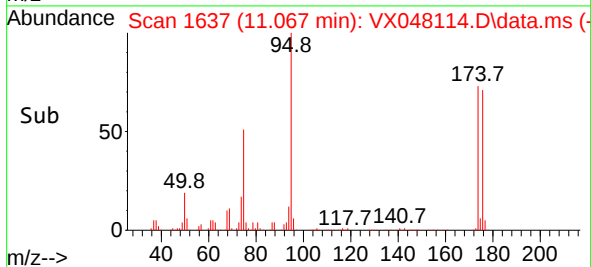
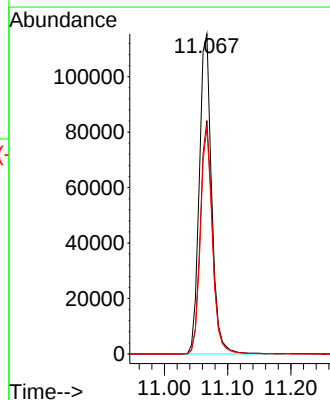
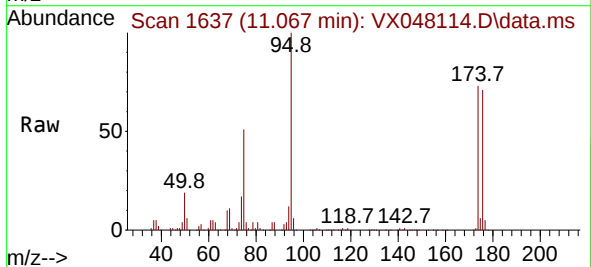
Instrument :
MSVOA_X
ClientSampleId :
MW-1DDL

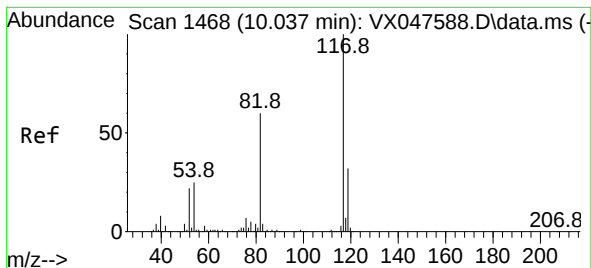
Tgt Ion:129 Resp: 122140
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 56.611 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Tgt Ion: 95 Resp: 156454
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.6
176 68.7 0.0 138.4

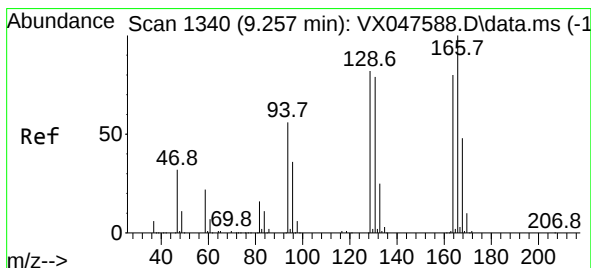
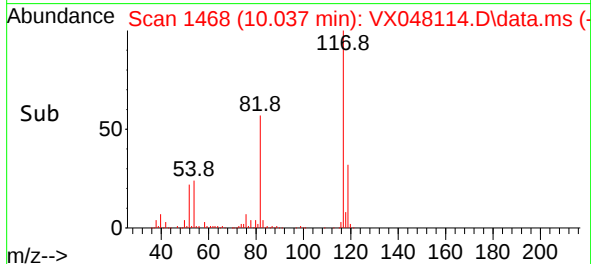
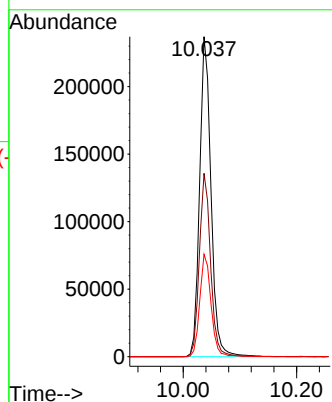
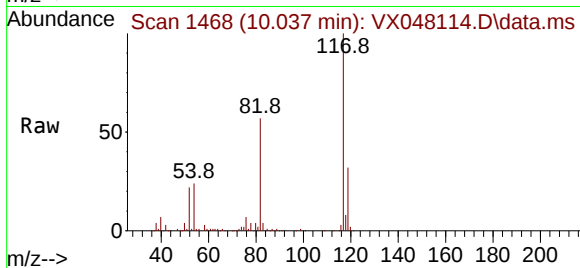




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

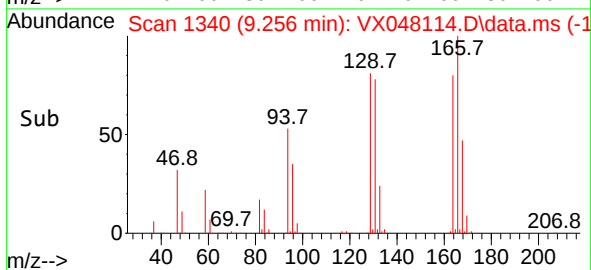
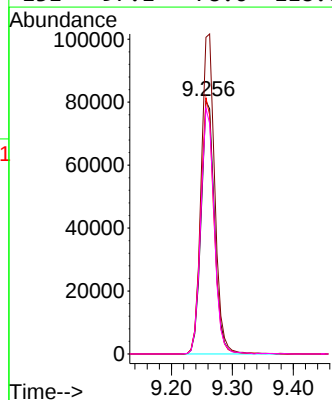
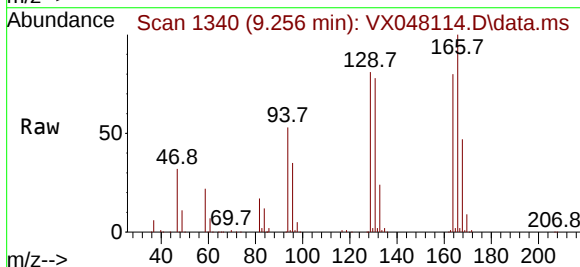
Instrument :
MSVOA_X
ClientSampleId :
MW-1DDL

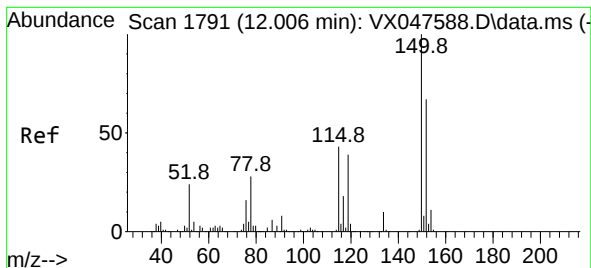
Tgt Ion:117 Resp: 328751
Ion Ratio Lower Upper
117 100
82 57.3 47.8 71.6
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 57.156 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Tgt Ion:164 Resp: 122491
Ion Ratio Lower Upper
164 100
166 125.2 100.2 150.2
129 101.2 81.8 122.6
131 97.1 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048114.D

Acq: 10 Oct 2025 15:54

Instrument :

MSVOA_X

ClientSampleId :

MW-1DDL

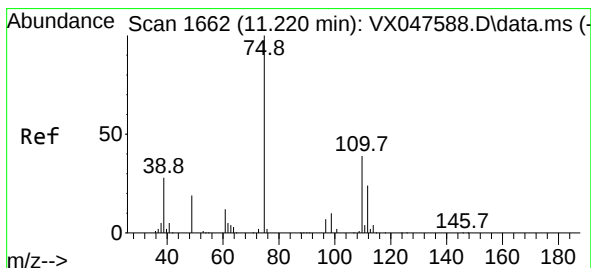
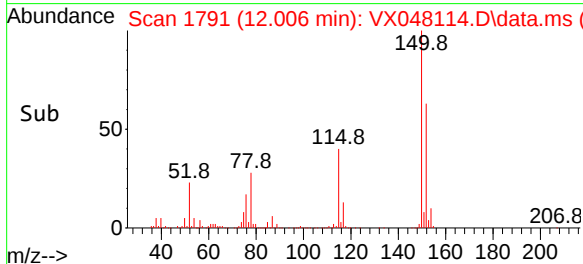
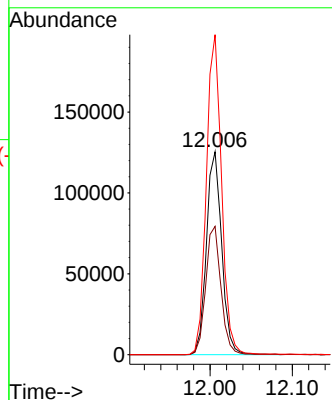
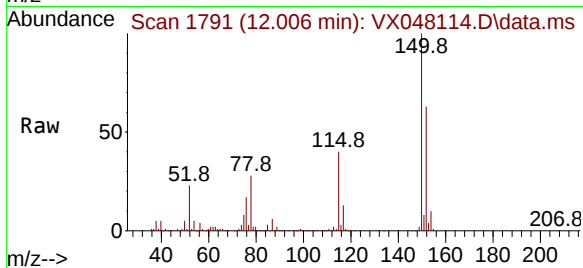
Tgt Ion:152 Resp: 162002

Ion Ratio Lower Upper

152 100

115 63.2 44.9 134.5

150 156.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 25.227 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048114.D

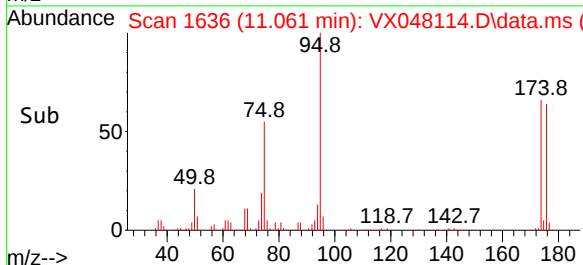
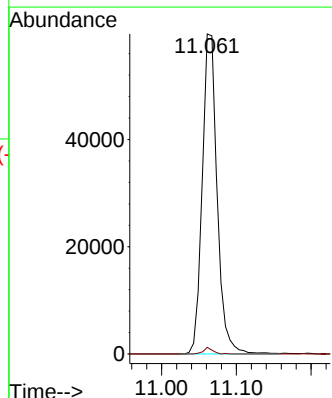
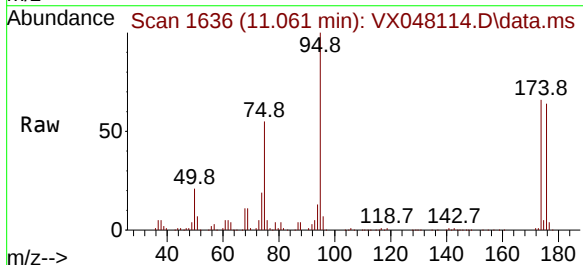
Acq: 10 Oct 2025 15:54

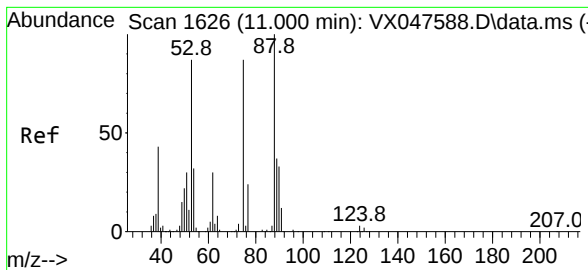
Tgt Ion: 75 Resp: 82745

Ion Ratio Lower Upper

75 100

77 1.3 18.8 56.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 64.332 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048114.D
Acq: 10 Oct 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :
MW-1DDL

Tgt Ion: 75 Resp: 82745
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

