

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
 Data File : VX048062.D
 Acq On : 08 Oct 2025 10:04
 Operator : JC/MD
 Sample : VX1008WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBL01

Quant Time: Oct 09 04:50:16 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)

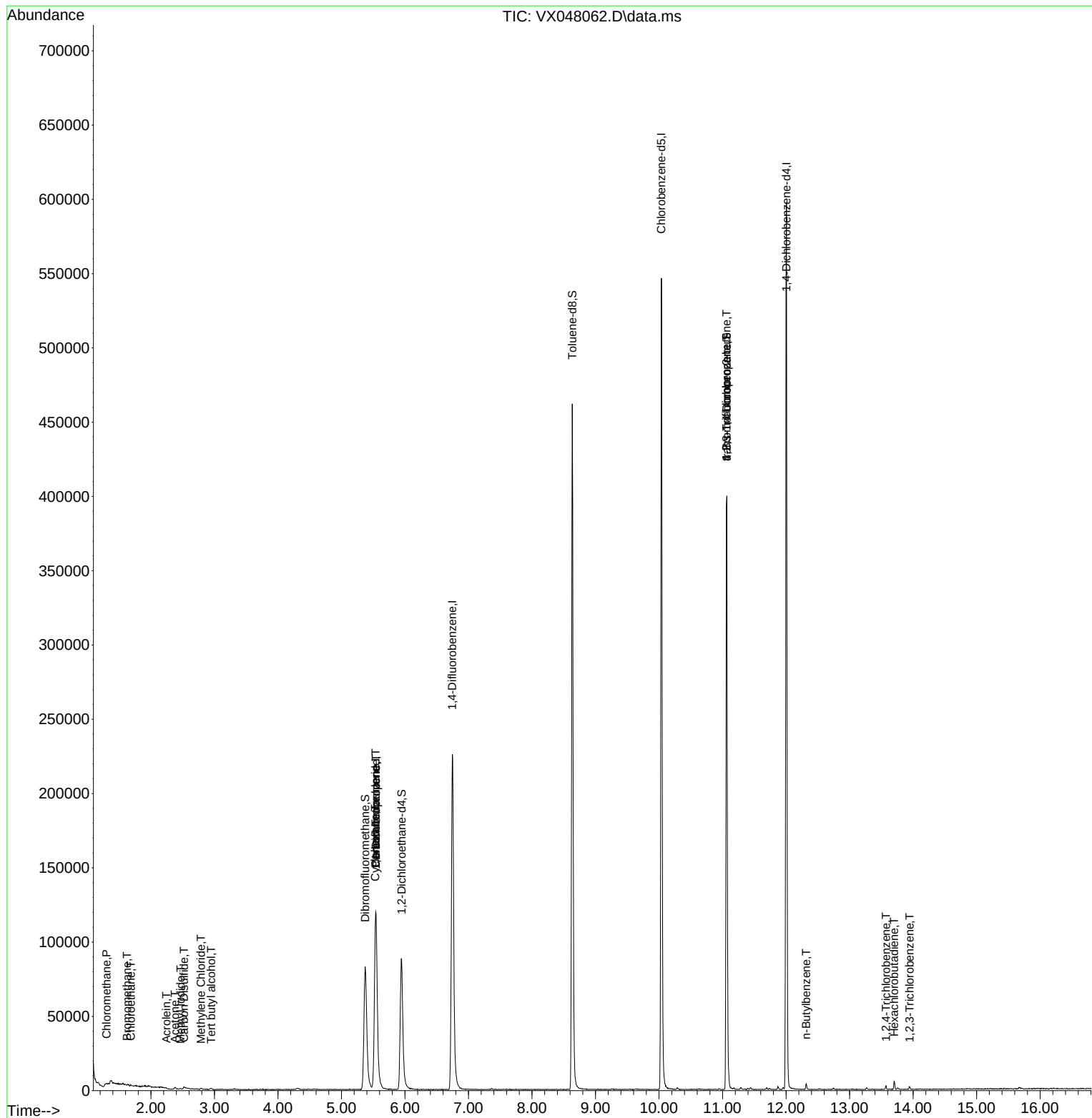
Internal Standards						
1) Pentafluorobenzene	5.537	168	121387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	244961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	249961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97584	50.505	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.000%			
35) Dibromofluoromethane	5.373	113	80928	49.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.634	98	277261	48.774	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.540%			
62) 4-Bromofluorobenzene	11.061	95	116657	54.073	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.140%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	367	0.222	ug/l #	42
5) Bromomethane	1.624	94	269	0.262	ug/l #	65
6) Chloroethane	1.684	64	577	0.534	ug/l #	42
10) Methyl Iodide	2.465	142	852	0.389	ug/l #	69
11) Tert butyl alcohol	2.946	59	519	2.412	ug/l #	72
13) Acrolein	2.239	56	81	0.408	ug/l #	14
16) Acetone	2.379	43	1598	1.902	ug/l #	61
17) Carbon Disulfide	2.520	76	4080	1.033	ug/l #	92
20) Methylene Chloride	2.788	84	374	0.210	ug/l #	70
31) Cyclohexane	5.531	56	2870	1.124	ug/l #	19
36) 1,1-Dichloropropene	5.544	75	10620	4.424	ug/l #	51
38) Carbon Tetrachloride	5.537	117	13249	5.080	ug/l #	19
76) 1,2,3-Trichloropropane	11.061	75	61509	24.928	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	61509	63.569	ug/l #	8
89) n-Butylbenzene	12.317	91	1638	0.226	ug/l	97
93) 1,2,4-Trichlorobenzene	13.573	180	673	0.256	ug/l	80
94) Hexachlorobutadiene	13.701	225	860	0.965	ug/l	90
96) 1,2,3-Trichlorobenzene	13.944	180	666	0.273	ug/l	89

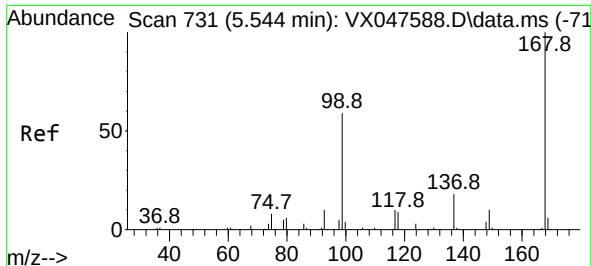
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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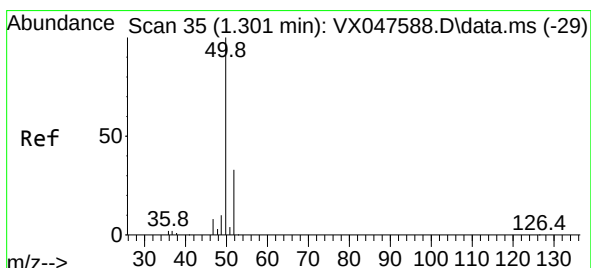
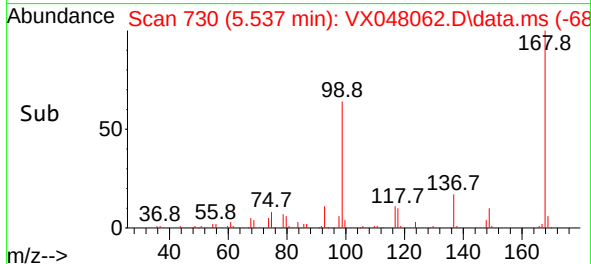
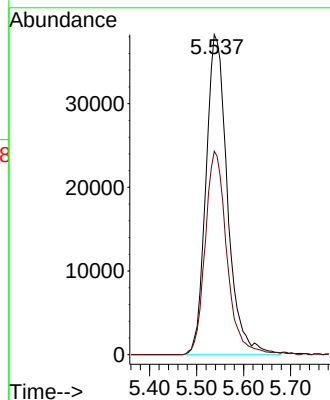
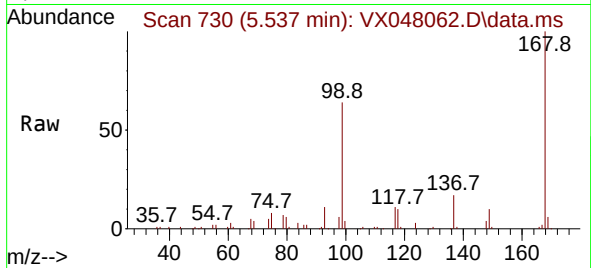




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

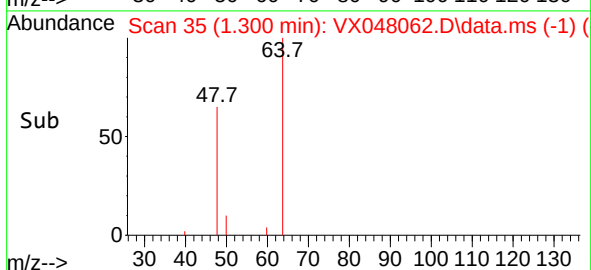
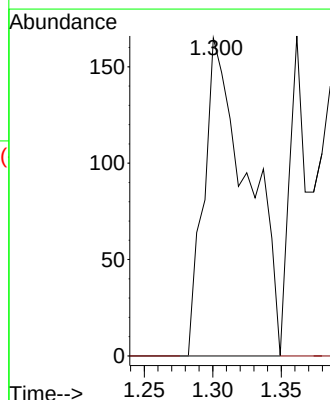
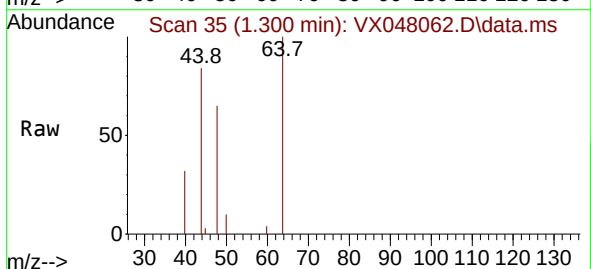
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

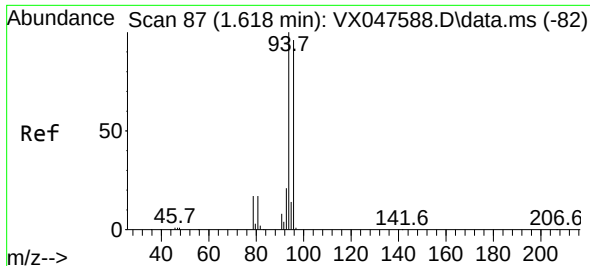
Tgt Ion:168 Resp: 121387
Ion Ratio Lower Upper
168 100
99 63.6 48.8 73.2



#3
Chloromethane
Concen: 0.222 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 50 Resp: 367
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

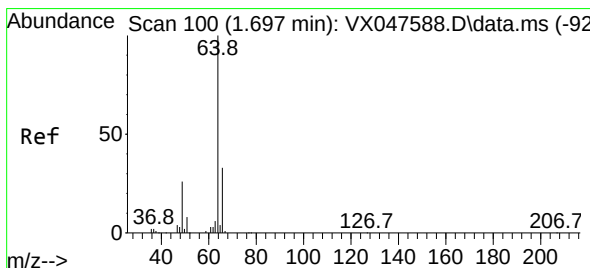
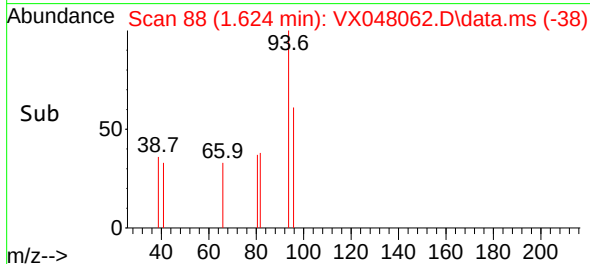
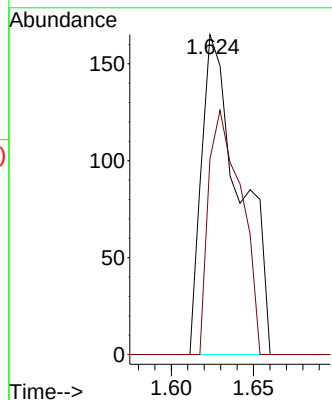
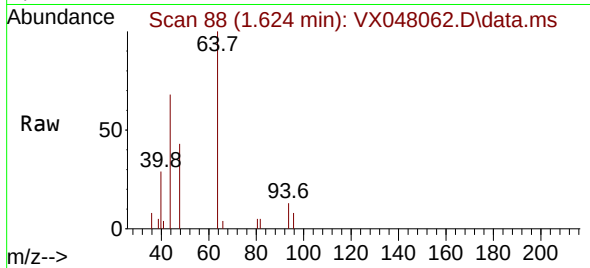




#5
Bromomethane
Concen: 0.262 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

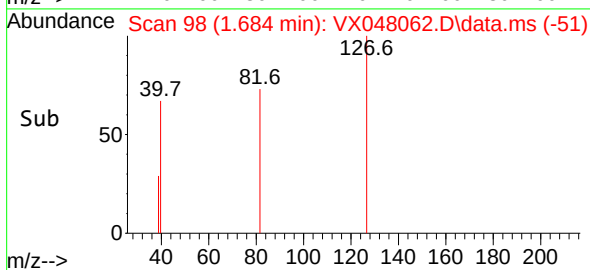
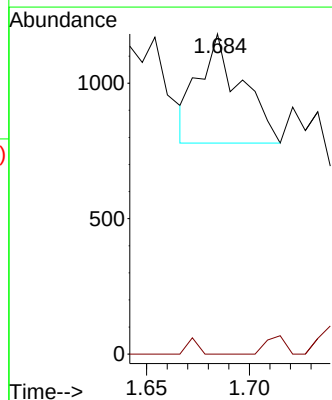
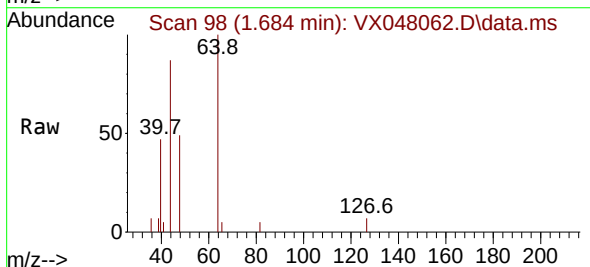
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

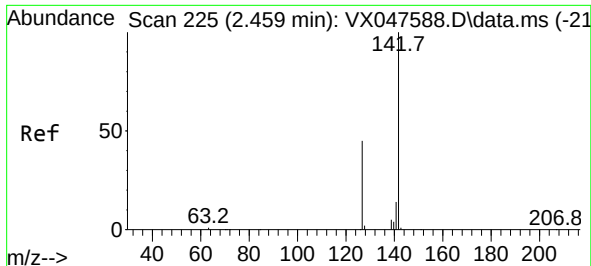
Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 61.2 76.6 115.0#



#6
Chloroethane
Concen: 0.534 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.012 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 64 Resp: 577
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

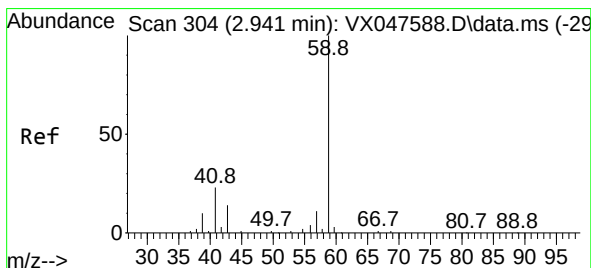
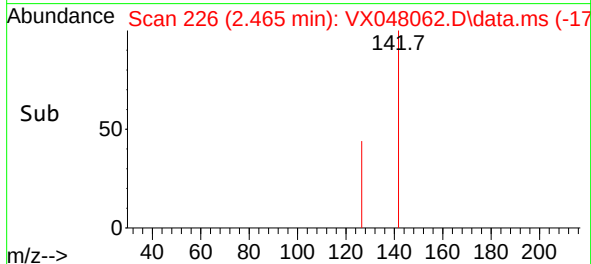
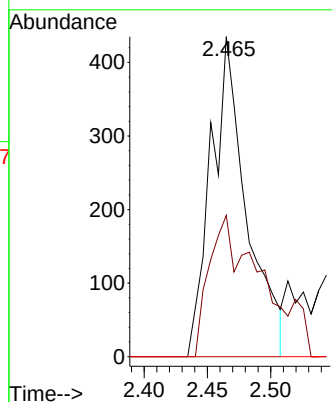
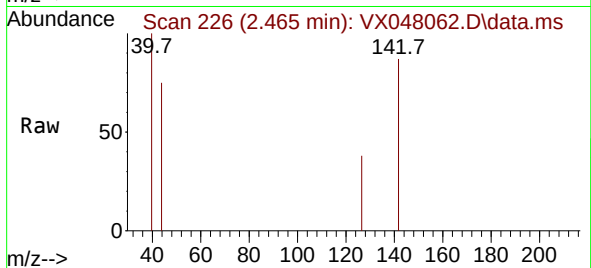




#10
Methyl Iodide
Concen: 0.389 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

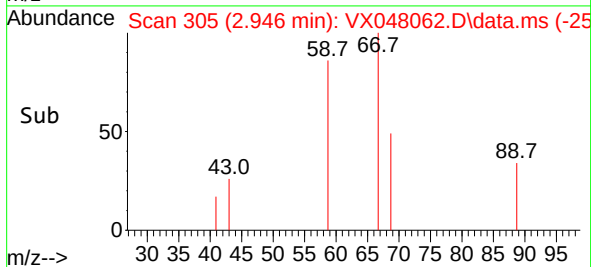
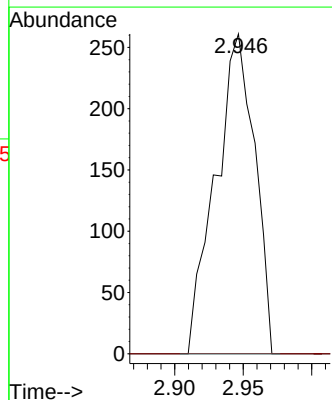
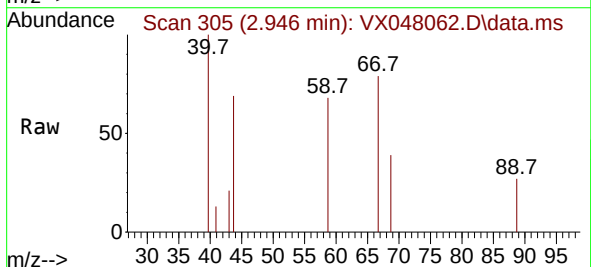
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

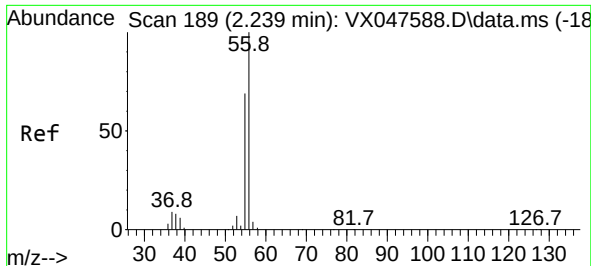
Tgt Ion:142 Resp: 852
Ion Ratio Lower Upper
142 100
127 66.4 37.2 55.8#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.412 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 59 Resp: 519
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

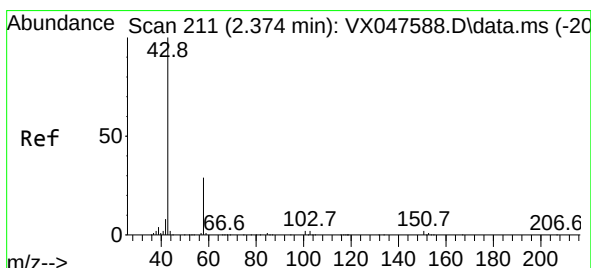
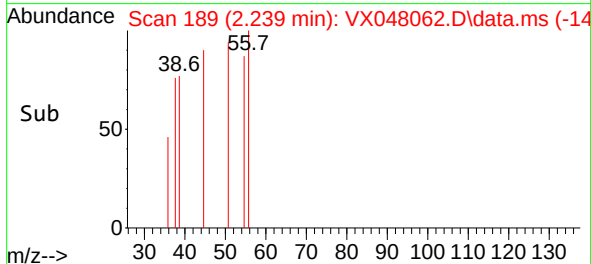
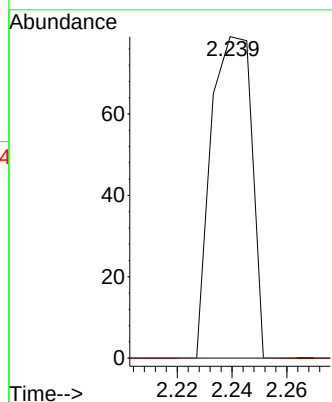
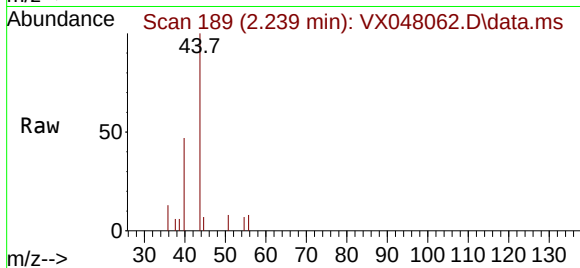




#13
Acrolein
Concen: 0.408 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

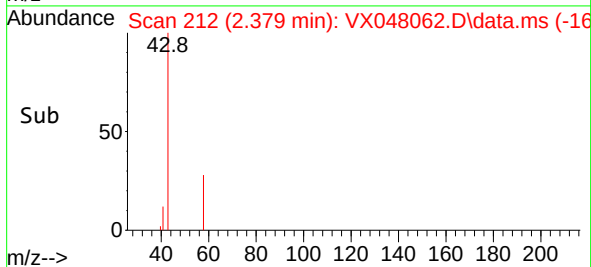
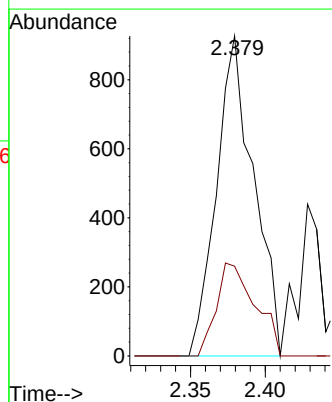
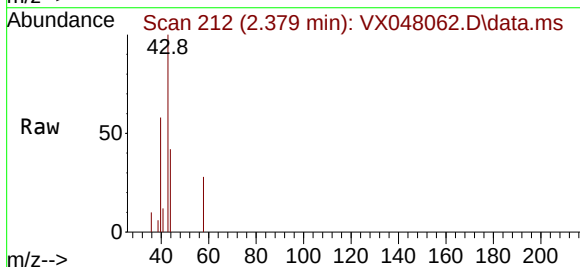
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

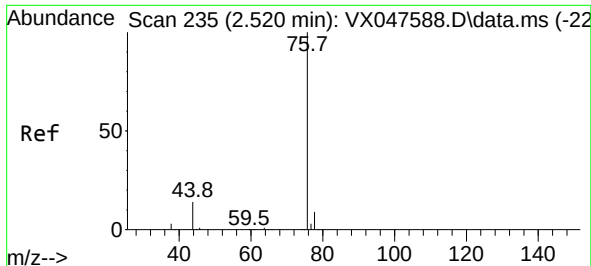
Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 1.902 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
58 50.1 23.4 35.0#





#17

Carbon Disulfide

Concen: 1.033 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048062.D

Acq: 08 Oct 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

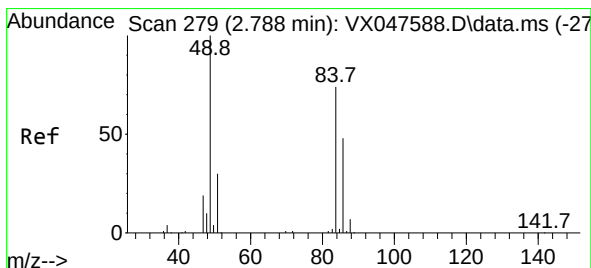
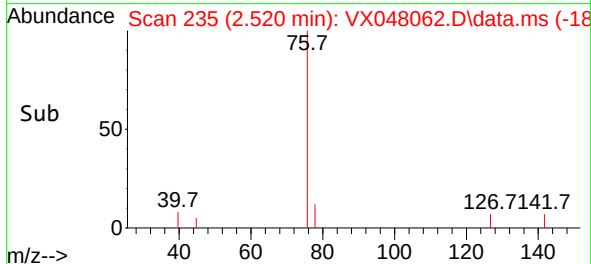
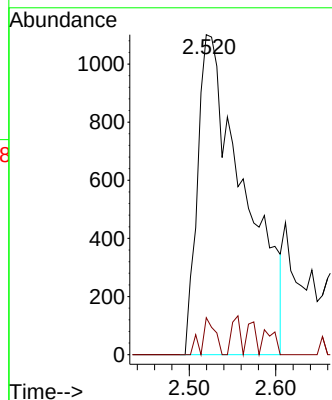
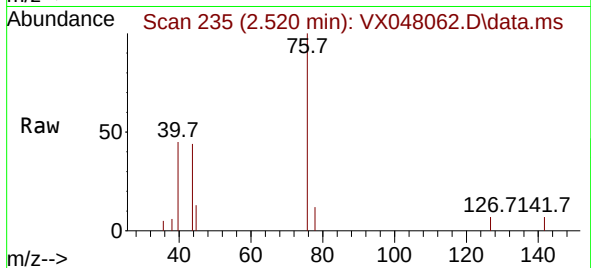
VX1008WBL01

Tgt Ion: 76 Resp: 4080

Ion Ratio Lower Upper

76 100

78 11.5 6.8 10.2#



#20

Methylene Chloride

Concen: 0.210 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX048062.D

Acq: 08 Oct 2025 10:04

Tgt Ion: 84 Resp: 374

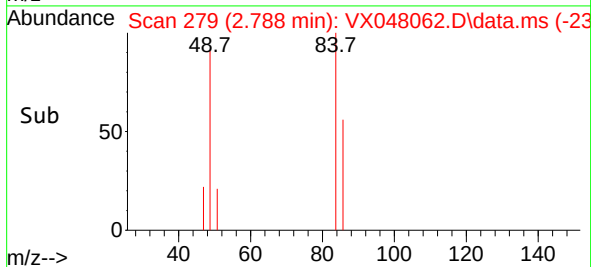
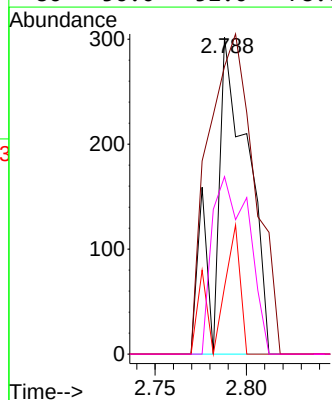
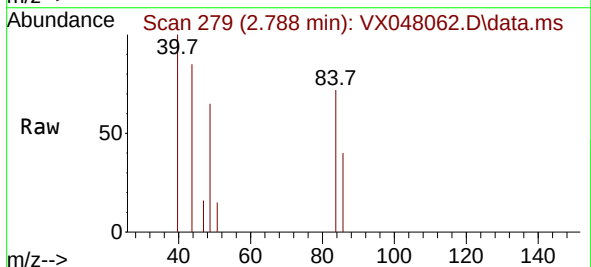
Ion Ratio Lower Upper

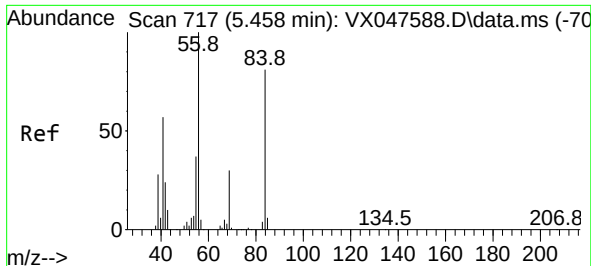
84 100

49 90.7 108.6 162.8#

51 21.2 32.6 48.8#

86 56.0 52.0 78.0

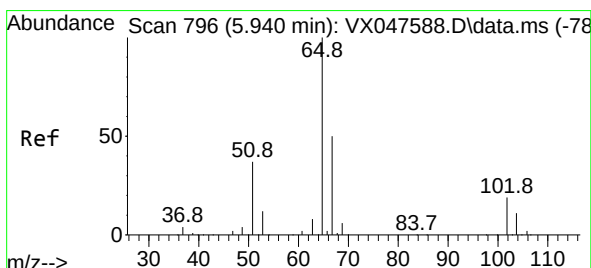
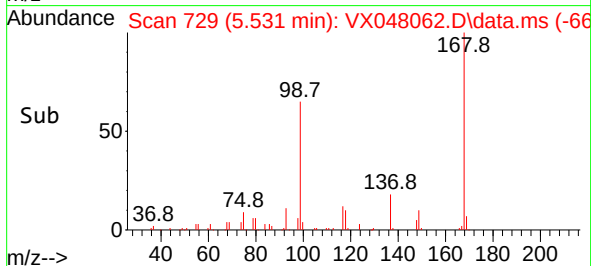
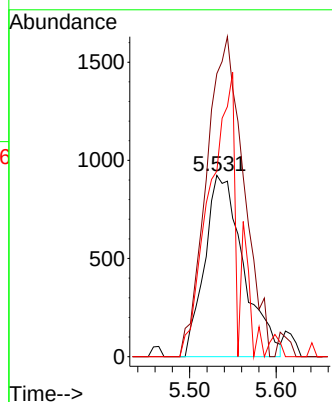
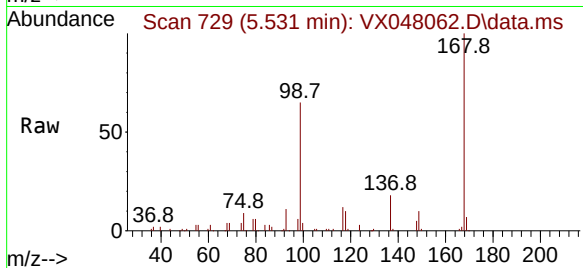




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 5.531 min Scan# 717
Delta R.T. 0.073 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

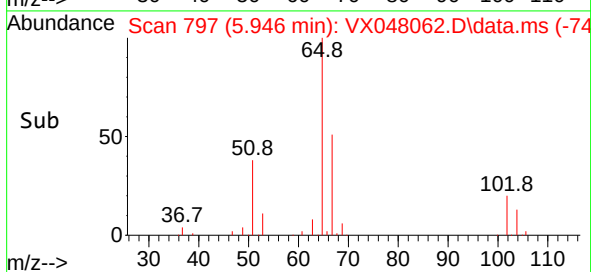
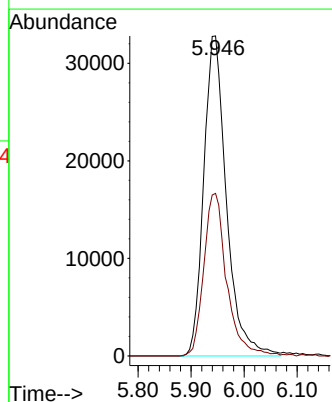
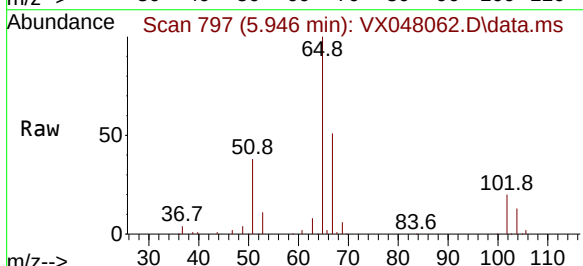
Instrument :
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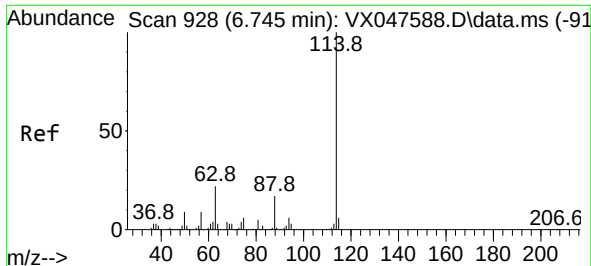
Tgt Ion: 56 Resp: 2870
Ion Ratio Lower Upper
56 100
69 156.2 23.8 35.8#
84 102.4 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.505 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 65 Resp: 97584
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0

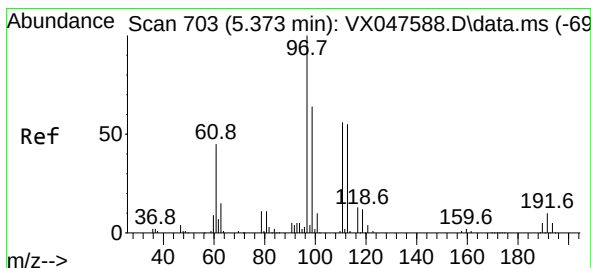
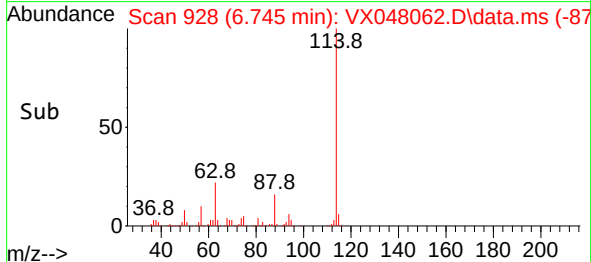
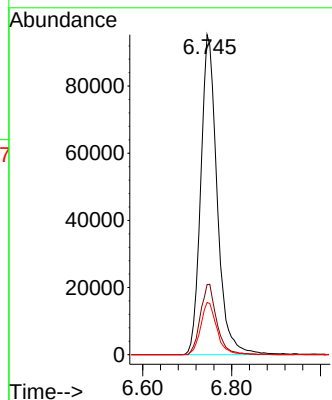
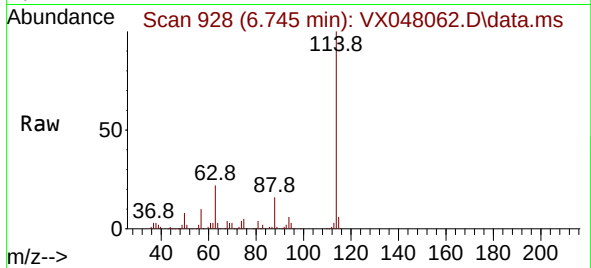




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

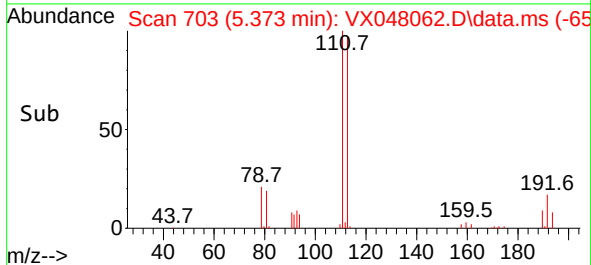
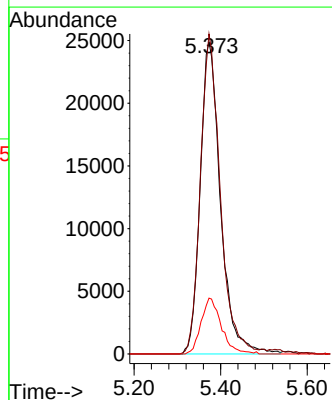
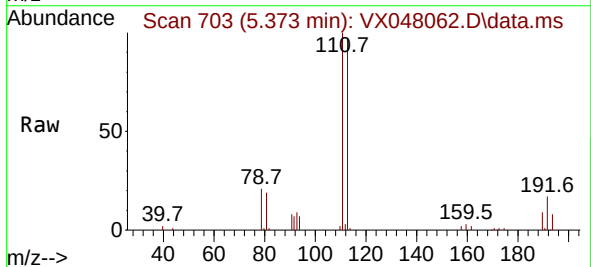
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

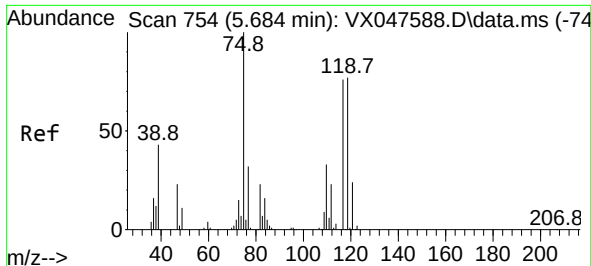
Tgt Ion:114 Resp: 244961
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.0
88 16.3 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.261 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion:113 Resp: 80928
Ion Ratio Lower Upper
113 100
111 100.3 80.9 121.3
192 17.9 14.2 21.4

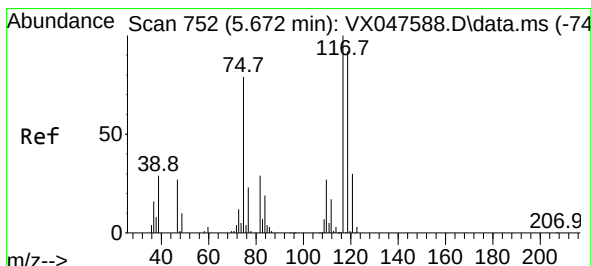
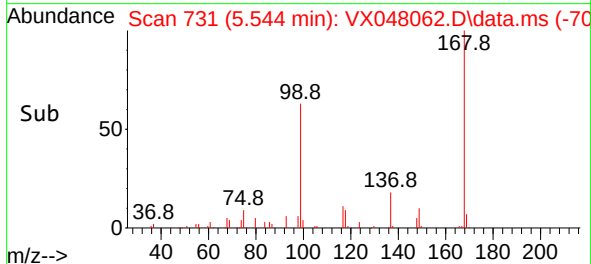
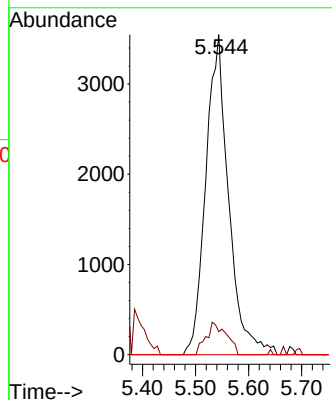
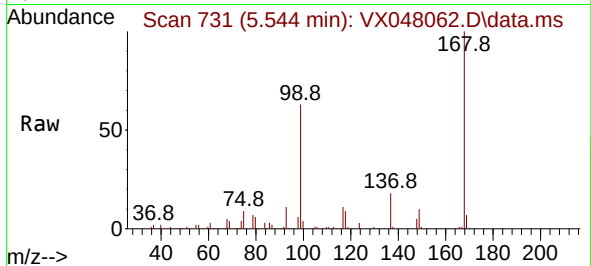




#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

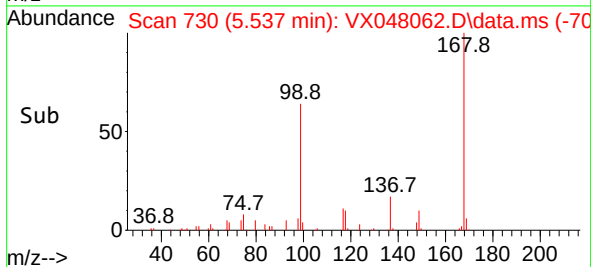
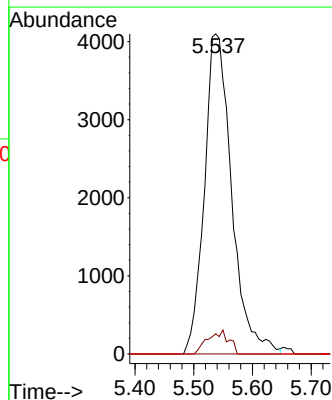
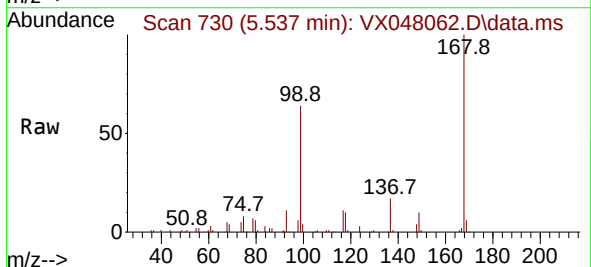
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

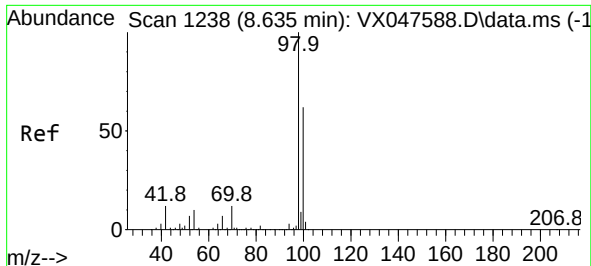
Tgt Ion: 75 Resp: 10620
Ion Ratio Lower Upper
75 100
110 9.0 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.080 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 117 Resp: 13249
Ion Ratio Lower Upper
117 100
119 6.3 73.4 110.2#
121 0.0 23.8 35.6#

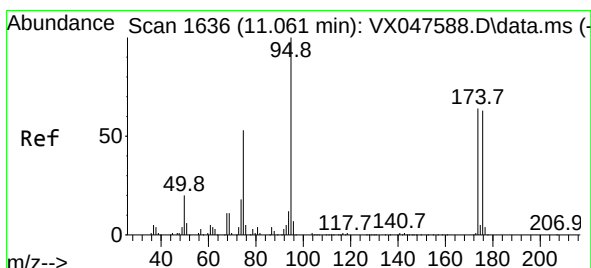
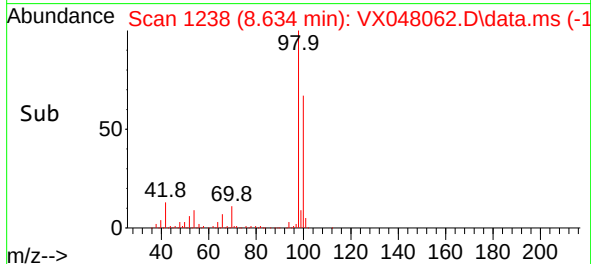
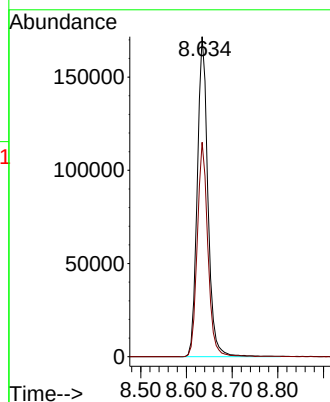
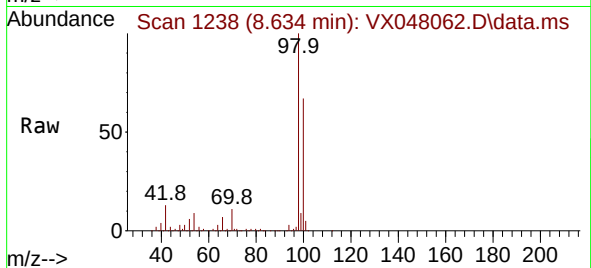




#50
Toluene-d8
Concen: 48.774 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

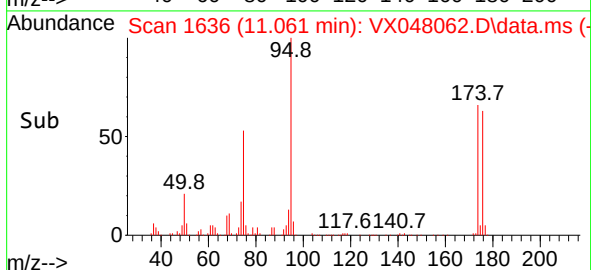
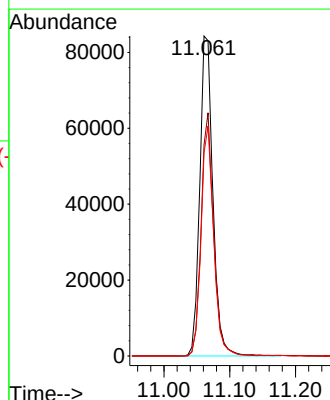
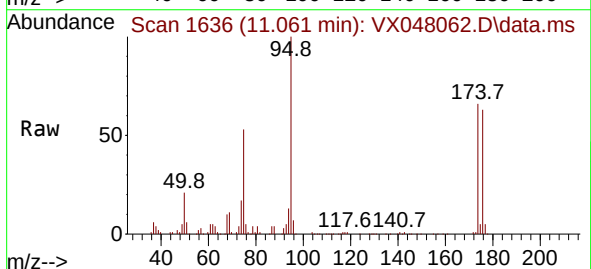
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

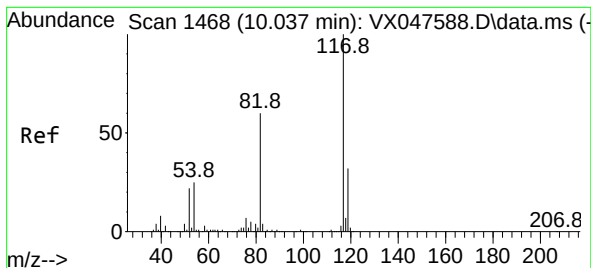
Tgt Ion: 98 Resp: 277261
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 54.073 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 95 Resp: 116657
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.6
176 69.1 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: VX048062.D

Acq: 08 Oct 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBL01

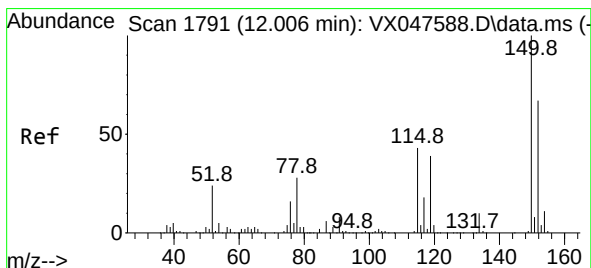
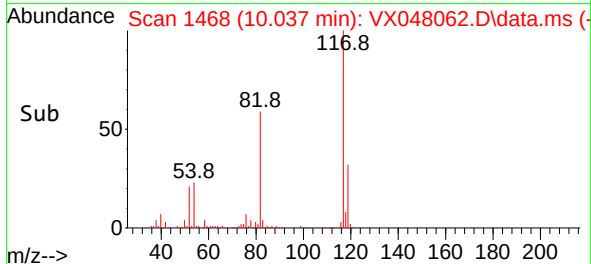
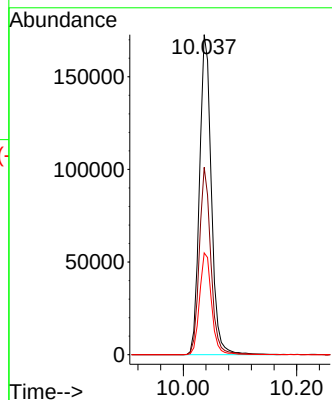
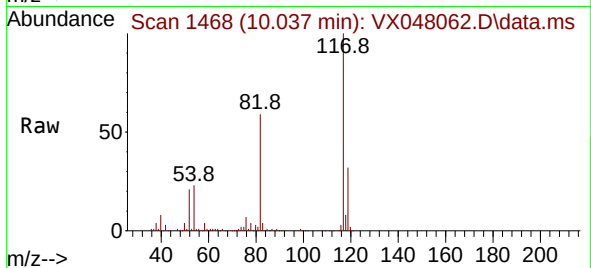
Tgt Ion:117 Resp: 249961

Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.6

119 31.8 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048062.D

Acq: 08 Oct 2025 10:04

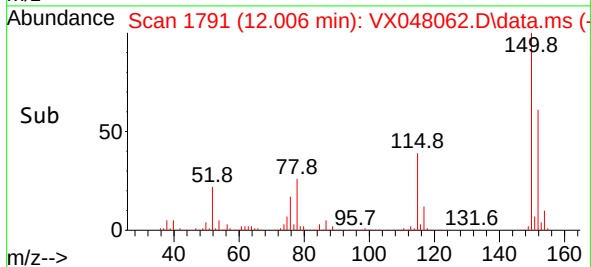
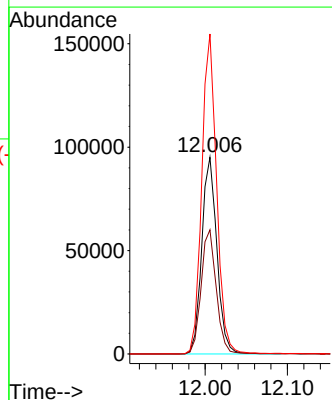
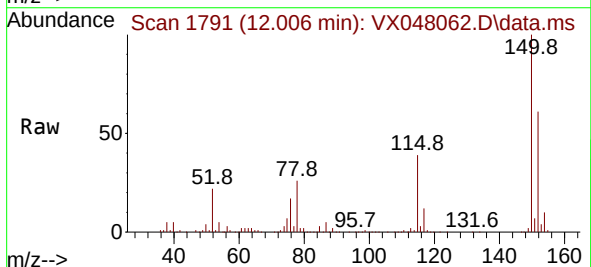
Tgt Ion:152 Resp: 121871

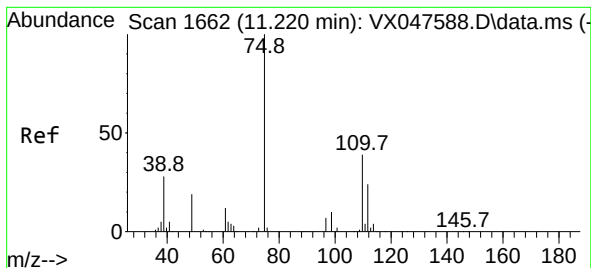
Ion Ratio Lower Upper

152 100

115 63.3 44.9 134.5

150 159.5 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 24.928 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX048062.D

Acq: 08 Oct 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

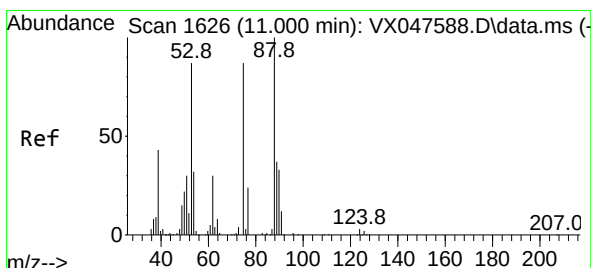
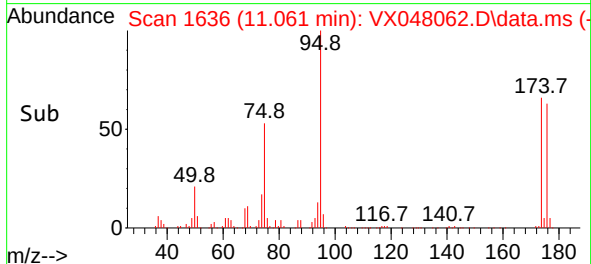
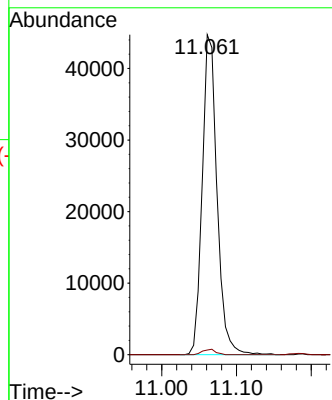
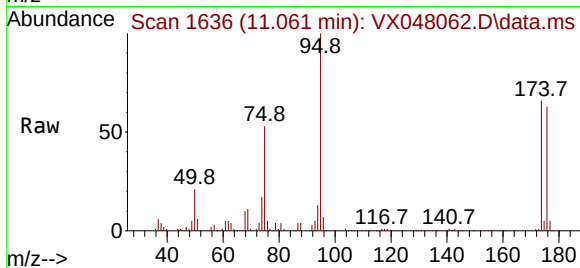
VX1008WBL01

Tgt Ion: 75 Resp: 61509

Ion Ratio Lower Upper

75 100

77 1.5 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.569 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048062.D

Acq: 08 Oct 2025 10:04

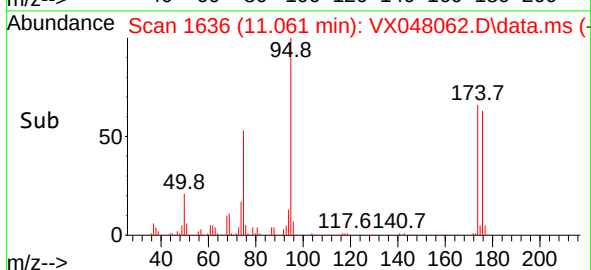
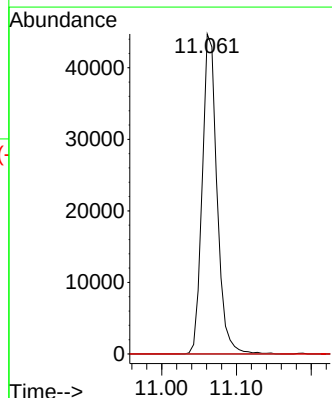
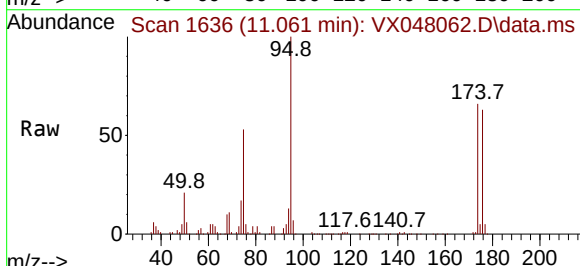
Tgt Ion: 75 Resp: 61509

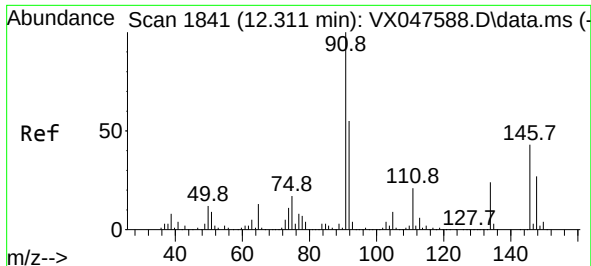
Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#





#89

n-Butylbenzene

Concen: 0.226 ug/l

RT: 12.317 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048062.D

Acq: 08 Oct 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBL01

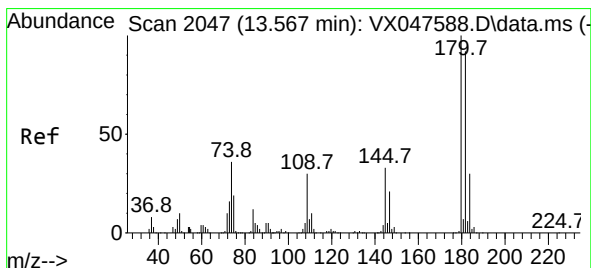
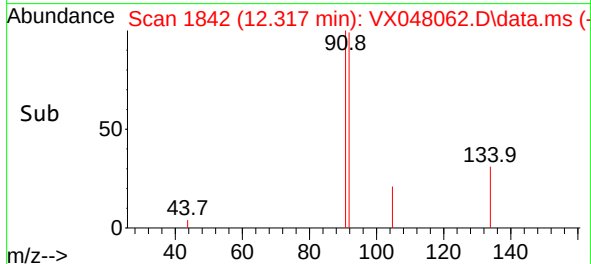
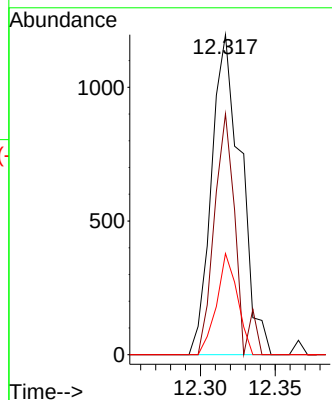
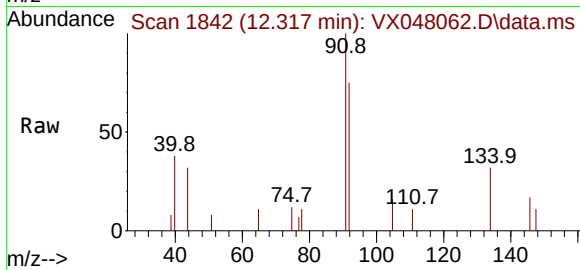
Tgt Ion: 91 Resp: 1638

Ion Ratio Lower Upper

91 100

92 53.8 27.6 82.7

134 22.3 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.256 ug/l

RT: 13.573 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VX048062.D

Acq: 08 Oct 2025 10:04

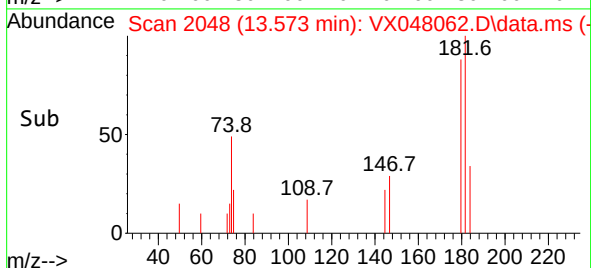
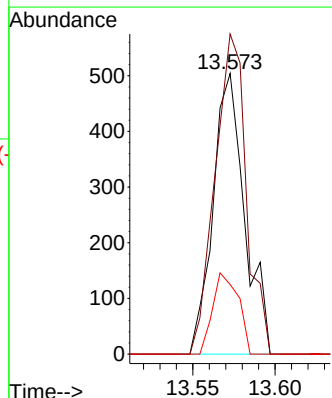
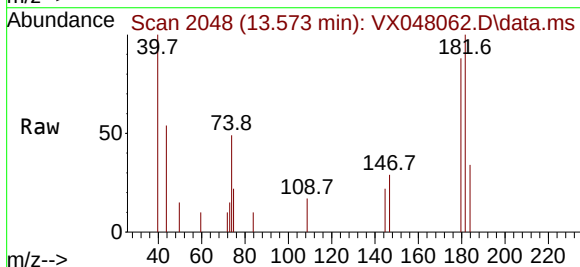
Tgt Ion:180 Resp: 673

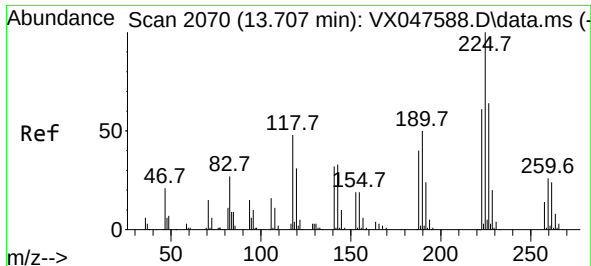
Ion Ratio Lower Upper

180 100

182 113.1 46.6 139.8

145 23.5 16.4 49.1

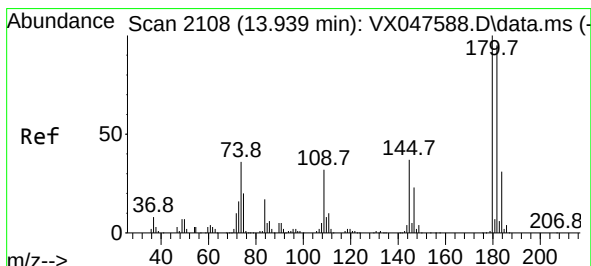
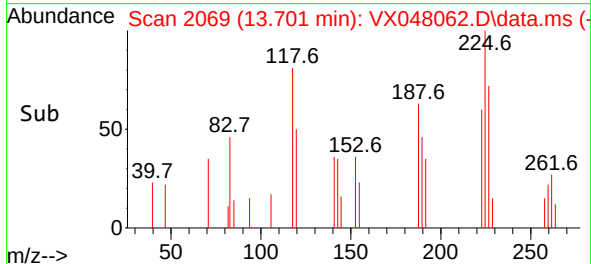
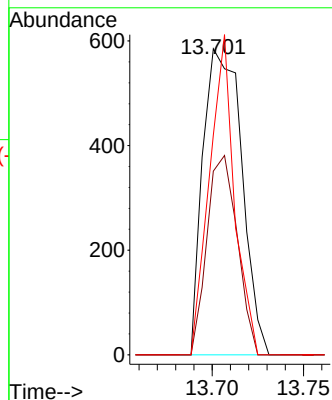
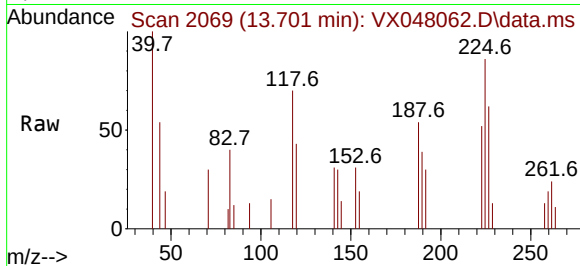




#94
Hexachlorobutadiene
Concen: 0.965 ug/l
RT: 13.701 min Scan# 2070
Delta R.T. -0.006 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

Tgt Ion:	225	Resp:	860
Ion	Ratio	Lower	Upper
225	100		
223	51.0	31.7	95.1
227	67.7	32.0	96.0



#96
1,2,3-Trichlorobenzene
Concen: 0.273 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion:	180	Resp:	666
Ion	Ratio	Lower	Upper
180	100		
182	83.8	47.6	142.8
145	30.9	17.9	53.7

