

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047959.D
 Acq On : 02 Oct 2025 12:05
 Operator : JC/MD
 Sample : Q3246-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20250925

Quant Time: Oct 03 03:28:37 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)

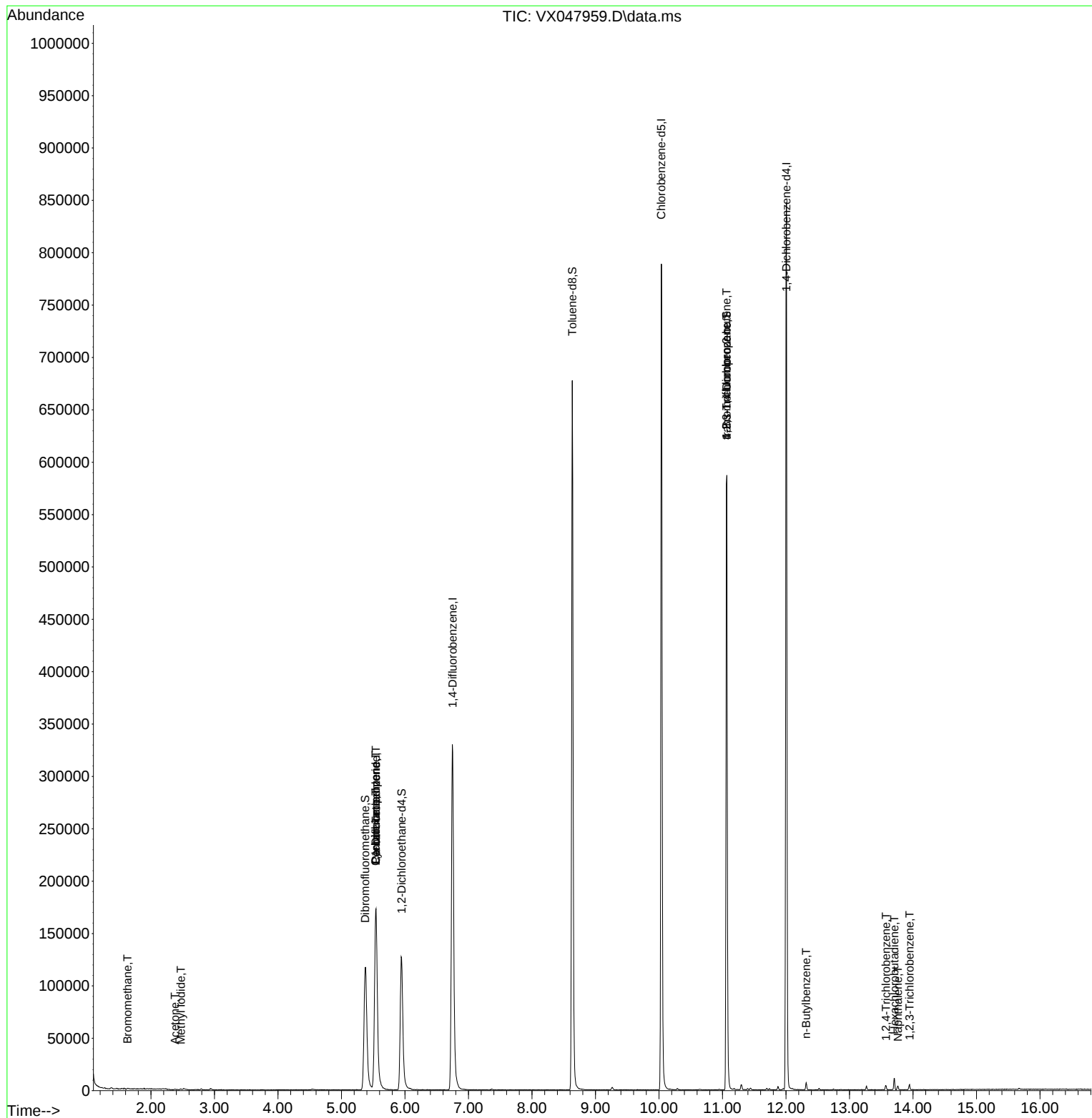
Internal Standards						
1) Pentafluorobenzene	5.544	168	174165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	359369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	363916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	177276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	138255	49.871	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.740%		
35) Dibromofluoromethane	5.373	113	117568	48.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.560%		
50) Toluene-d8	8.635	98	410599	49.235	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.480%		
62) 4-Bromofluorobenzene	11.061	95	173383	54.781	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.560%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	329	0.224	ug/l #	55
10) Methyl Iodide	2.471	142	1071	0.341	ug/l #	91
16) Acetone	2.380	43	749	0.621	ug/l #	65
31) Cyclohexane	5.538	56	4191	1.144	ug/l #	9
36) 1,1-Dichloropropene	5.538	75	14993	4.257	ug/l #	46
38) Carbon Tetrachloride	5.544	117	19496	5.095	ug/l #	18
76) 1,2,3-Trichloropropane	11.061	75	90556	25.230	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	90556	64.339	ug/l #	8
89) n-Butylbenzene	12.317	91	2834	0.269	ug/l	94
93) 1,2,4-Trichlorobenzene	13.573	180	1301	0.341	ug/l	97
94) Hexachlorobutadiene	13.707	225	1453	1.121	ug/l	97
95) Naphthalene	13.762	128	2899	0.249	ug/l #	83
96) 1,2,3-Trichlorobenzene	13.945	180	1226	0.345	ug/l	94

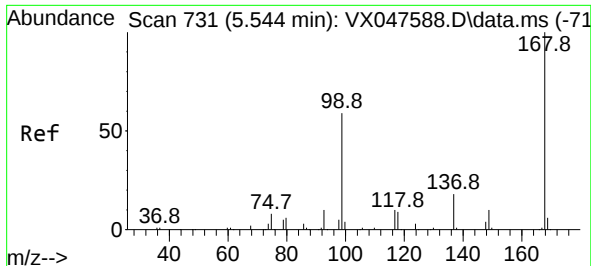
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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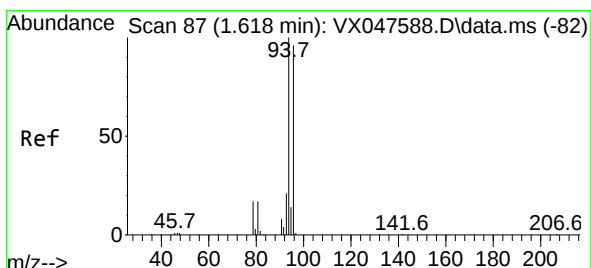
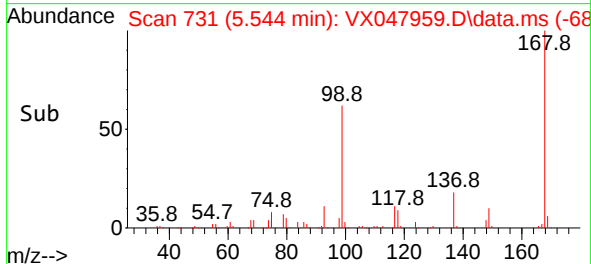
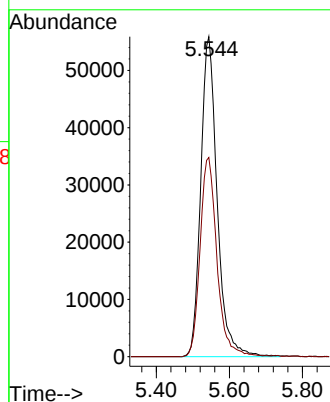
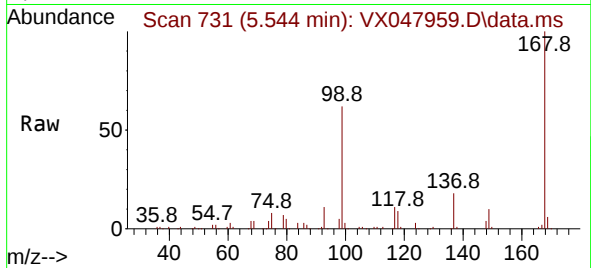




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

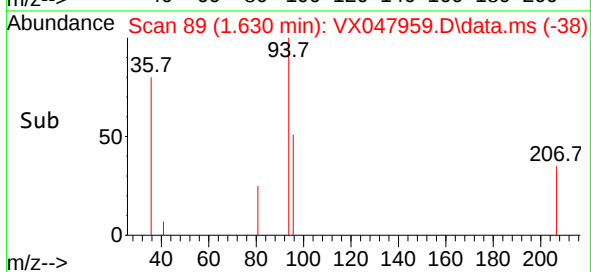
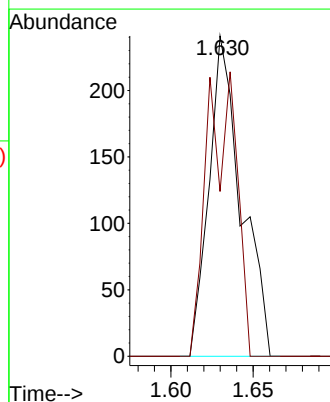
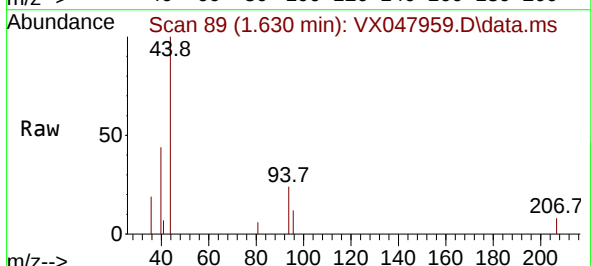
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250925

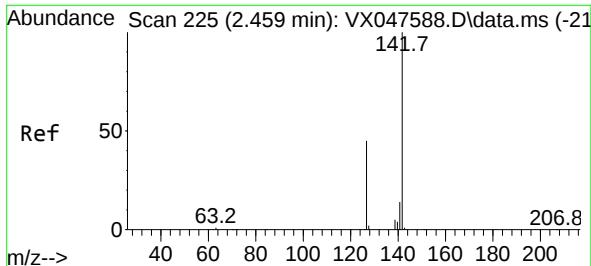
Tgt Ion:168 Resp: 174165
Ion Ratio Lower Upper
168 100
99 62.2 48.8 73.2



#5
Bromomethane
Concen: 0.224 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

Tgt Ion: 94 Resp: 329
Ion Ratio Lower Upper
94 100
96 51.5 76.6 115.0#

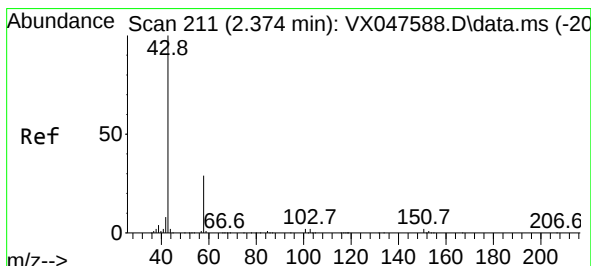
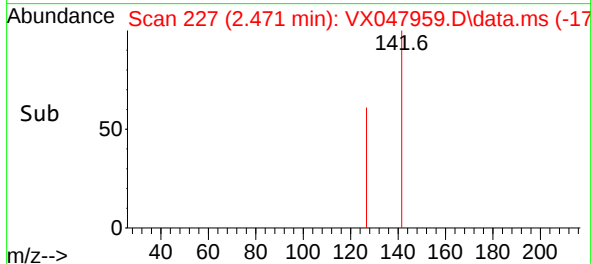
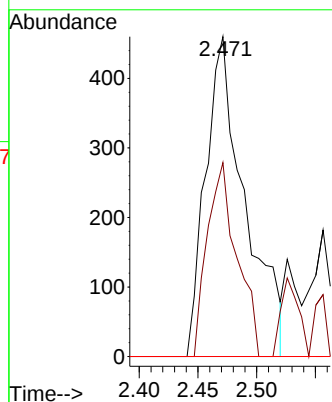
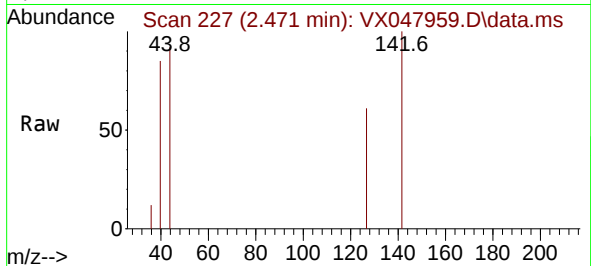




#10
Methyl Iodide
Concen: 0.341 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

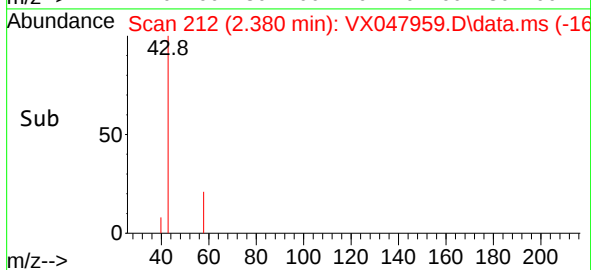
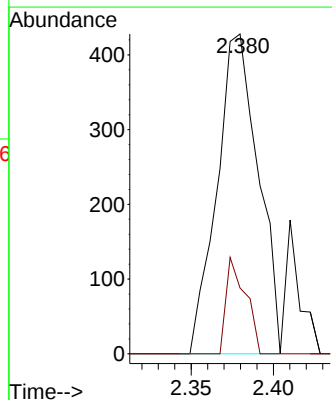
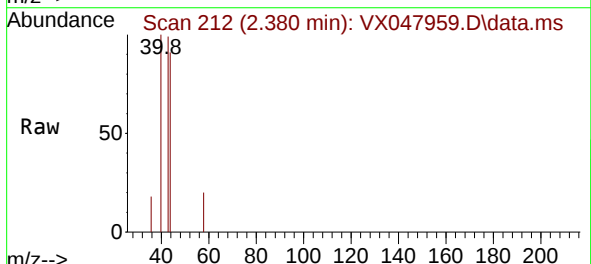
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250925

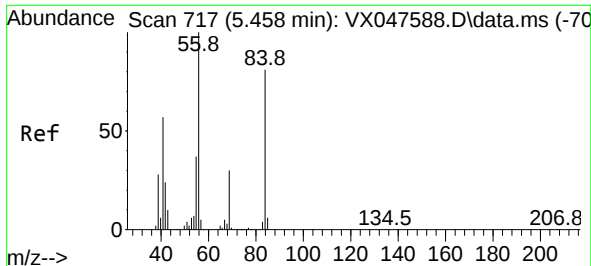
Tgt Ion:142 Resp: 1071
Ion Ratio Lower Upper
142 100
127 45.7 37.2 55.8
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.621 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
58 10.7 23.4 35.0#

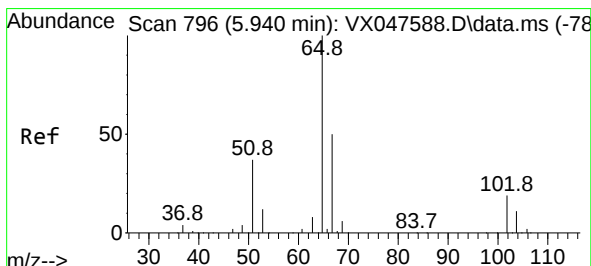
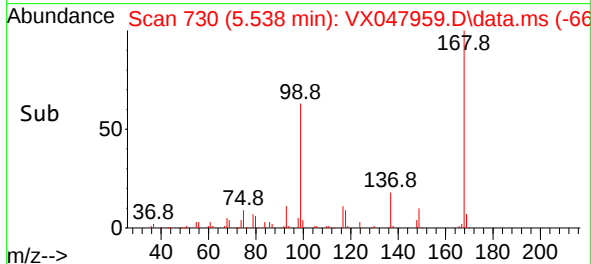
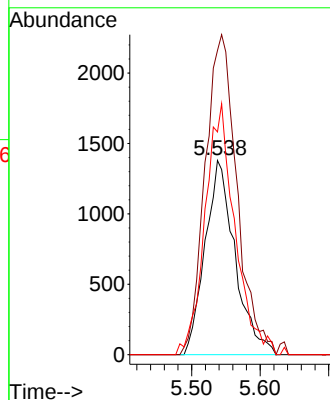
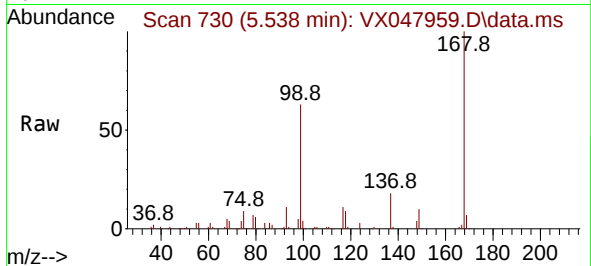




#31
Cyclohexane
Concen: 1.144 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

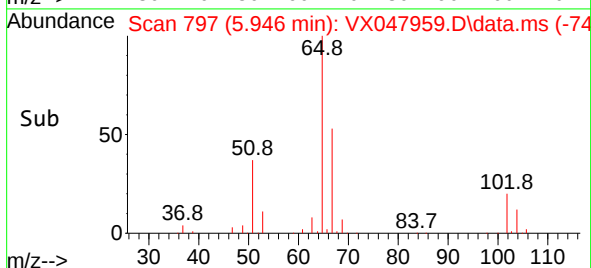
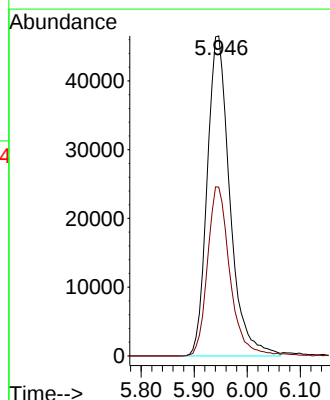
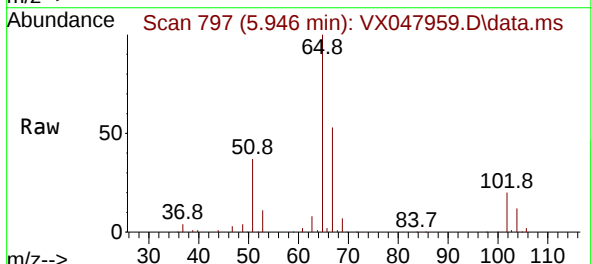
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250925

Tgt Ion: 56 Resp: 4191
Ion Ratio Lower Upper
56 100
69 156.6 23.8 35.8#
84 114.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 49.871 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

Tgt Ion: 65 Resp: 138255
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0

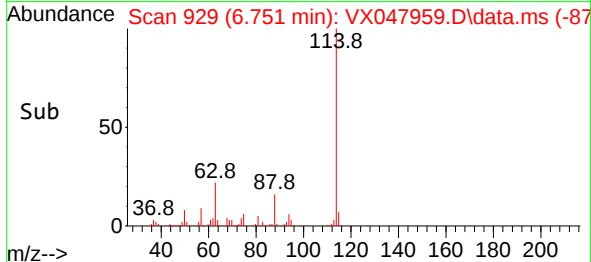
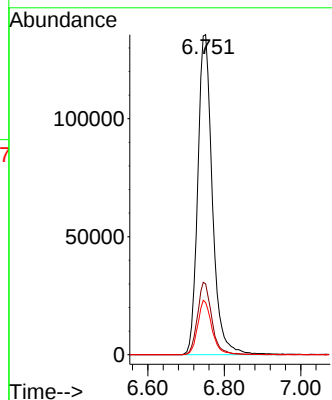
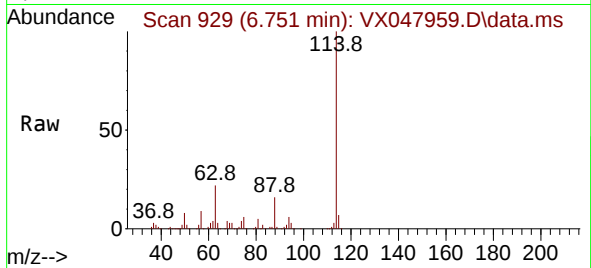




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

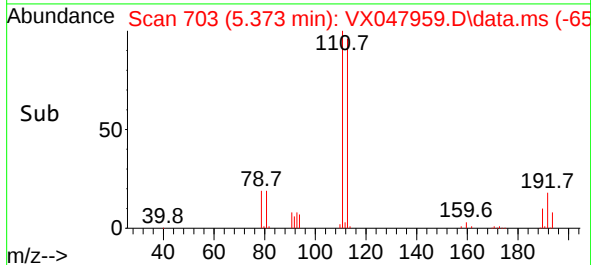
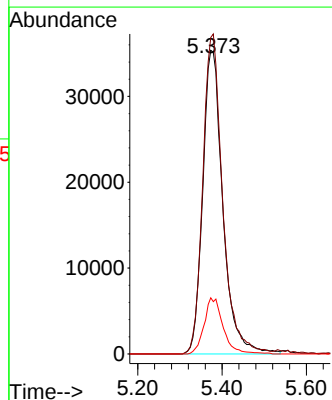
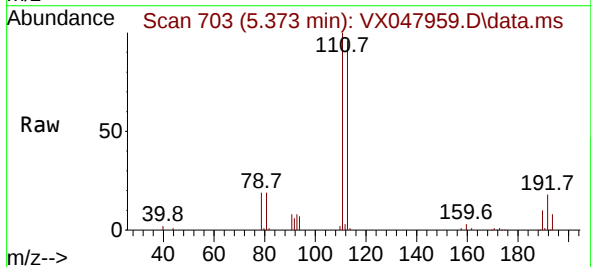
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250925

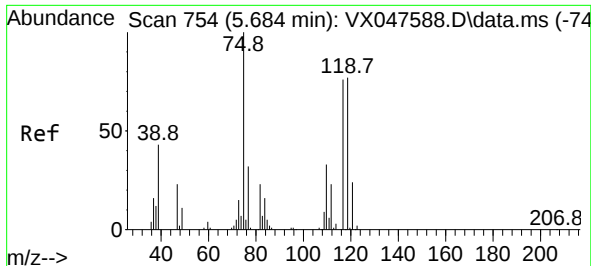
Tgt Ion:114 Resp: 359369
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.0
88 16.3 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.781 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

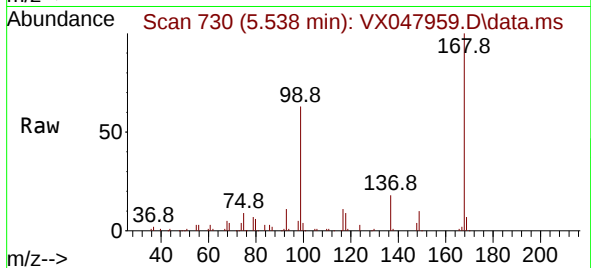
Tgt Ion:113 Resp: 117568
Ion Ratio Lower Upper
113 100
111 103.7 80.9 121.3
192 17.5 14.2 21.4



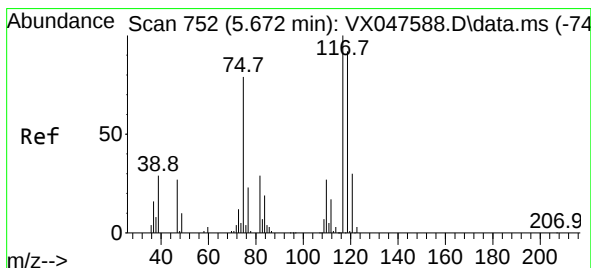
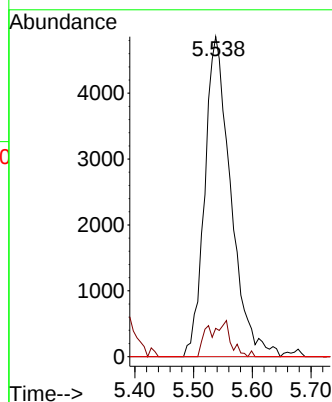
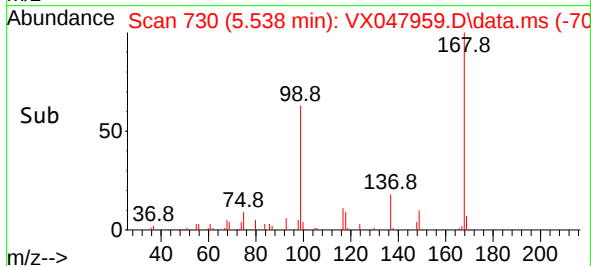


#36
1,1-Dichloropropene
Concen: 4.257 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.146 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

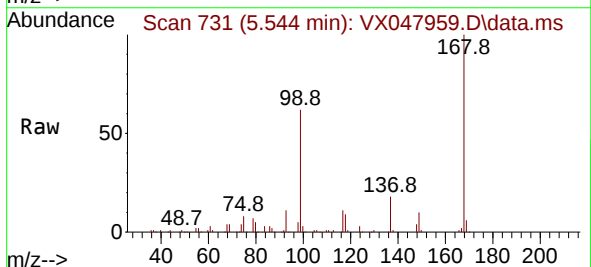
Instrument :
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ClientSampleId :
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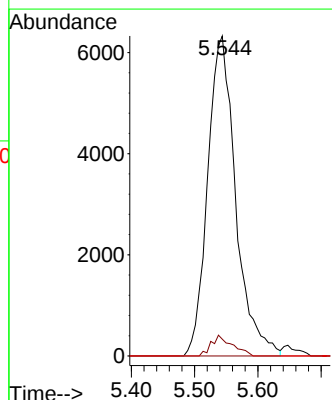
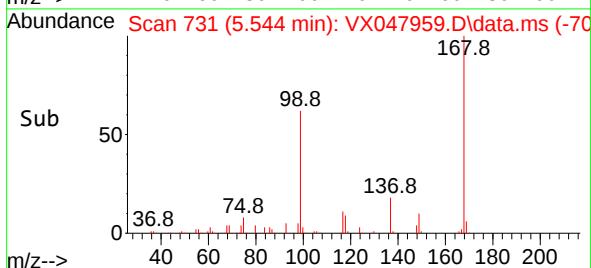
Tgt Ion: 75 Resp: 14993
Ion Ratio Lower Upper
75 100
110 3.4 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.095 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05



Tgt Ion: 117 Resp: 19496
Ion Ratio Lower Upper
117 100
119 5.2 73.4 110.2#
121 0.0 23.8 35.6#

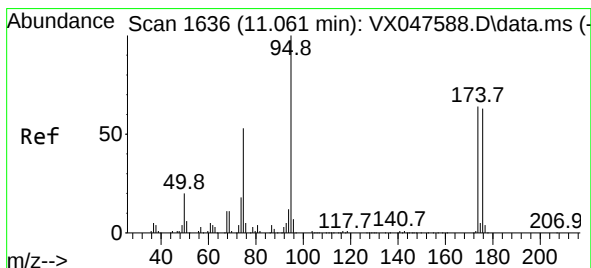
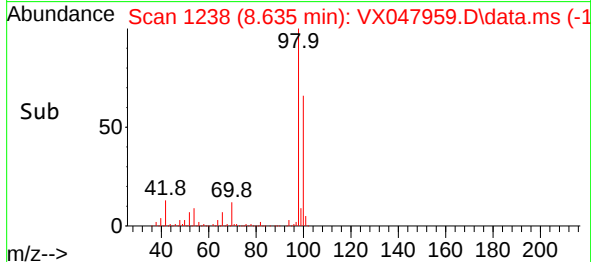
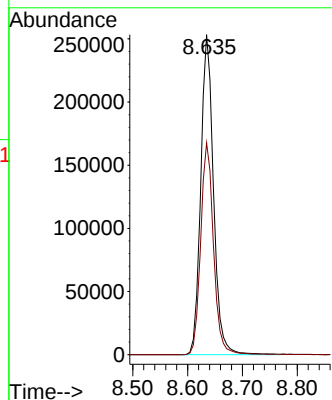
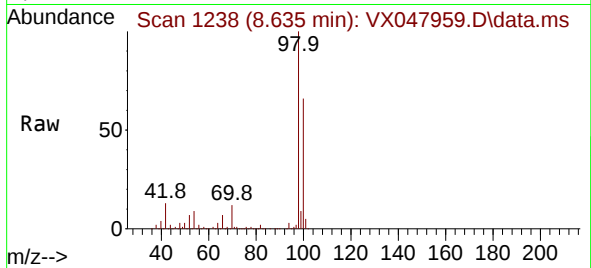




#50
Toluene-d8
Concen: 49.235 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

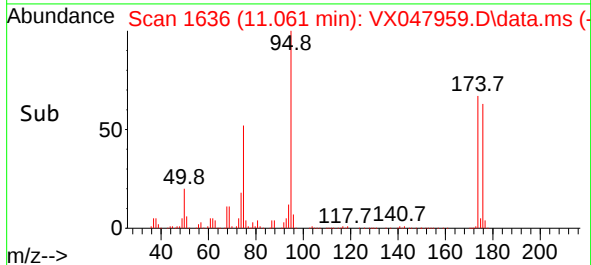
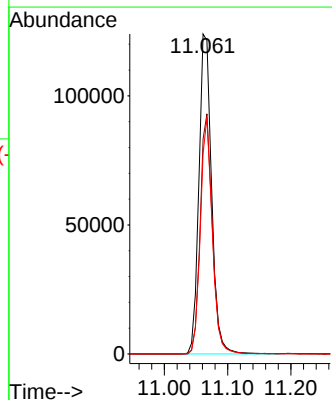
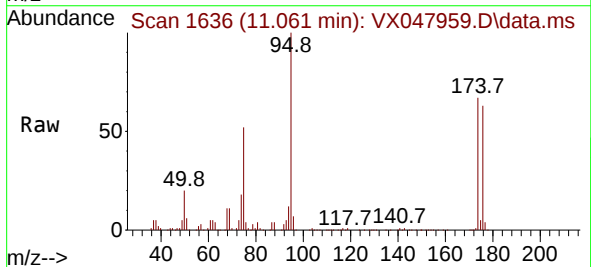
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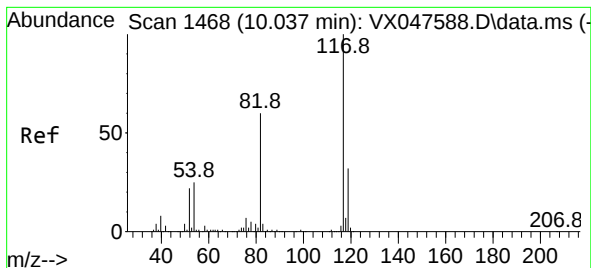
Tgt Ion: 98 Resp: 410599
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 54.781 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

Tgt Ion: 95 Resp: 173383
Ion Ratio Lower Upper
95 100
174 72.2 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: VX047959.D

Acq: 02 Oct 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-TB-20250925

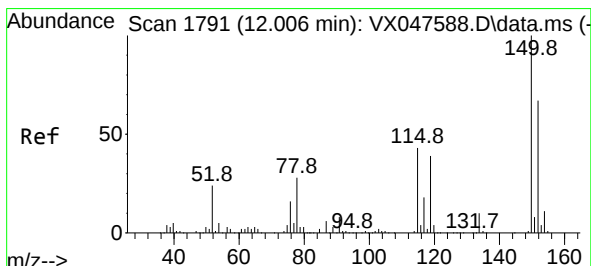
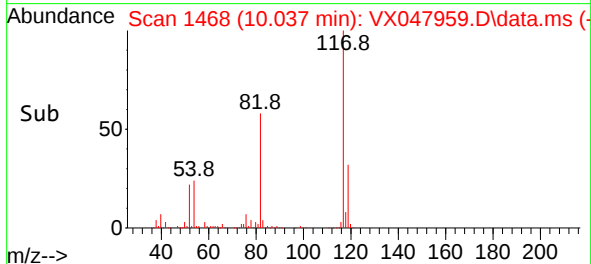
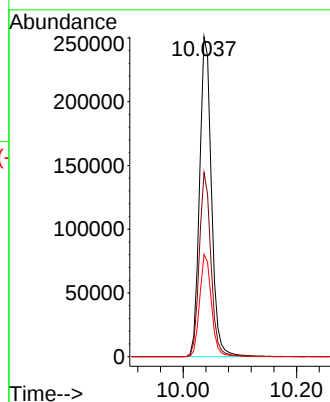
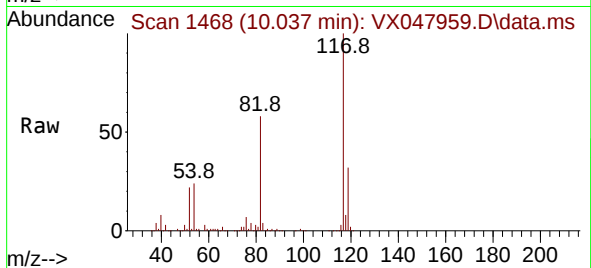
Tgt Ion:117 Resp: 363916

Ion Ratio Lower Upper

117 100

82 57.5 47.8 71.6

119 31.9 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: VX047959.D

Acq: 02 Oct 2025 12:05

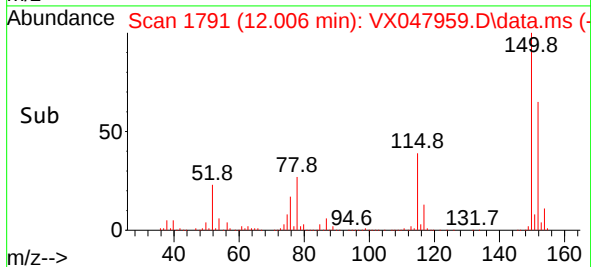
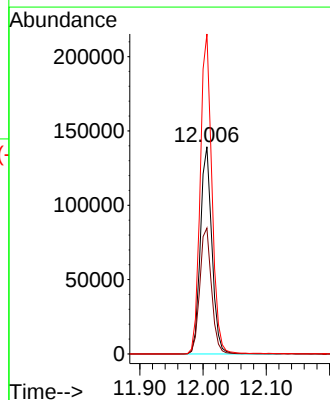
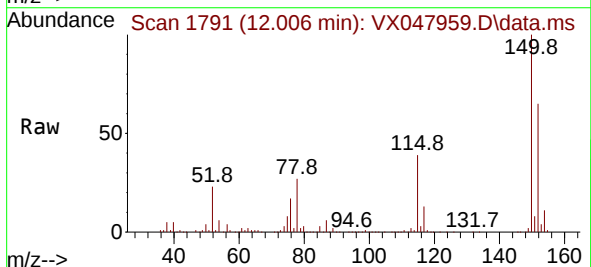
Tgt Ion:152 Resp: 177276

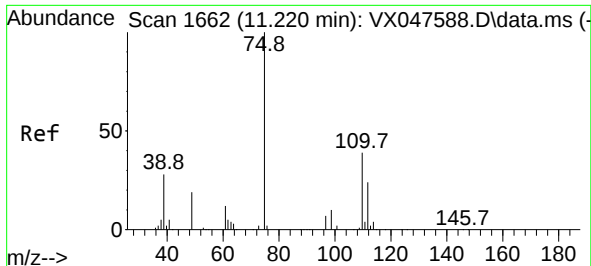
Ion Ratio Lower Upper

152 100

115 62.1 44.9 134.5

150 156.2 0.0 352.0

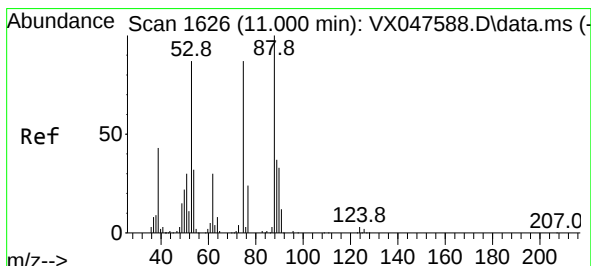
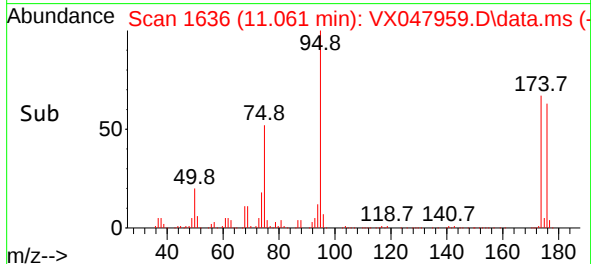
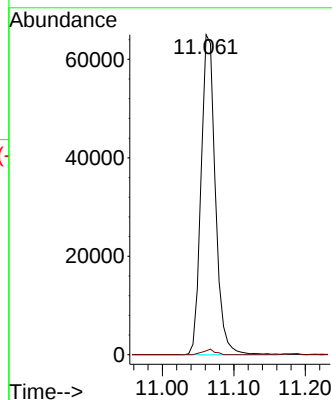
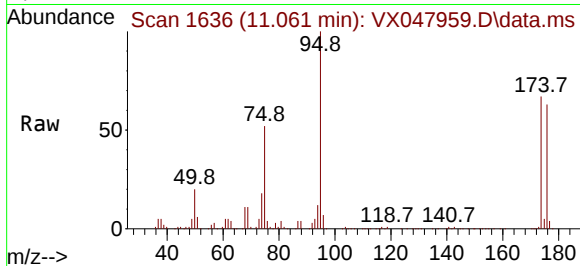




#76
1,2,3-Trichloropropane
Concen: 25.230 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

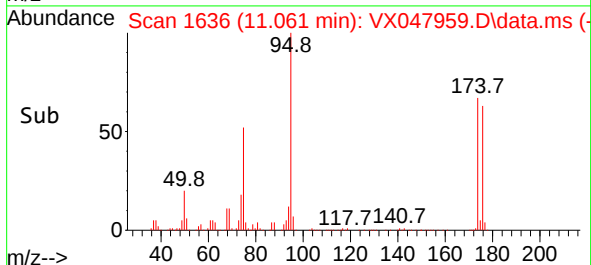
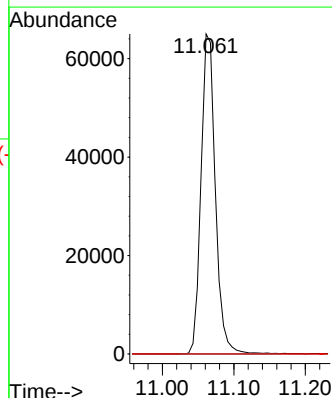
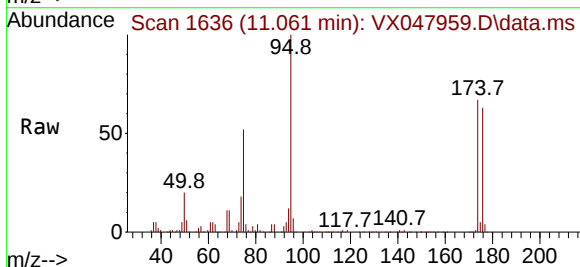
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250925

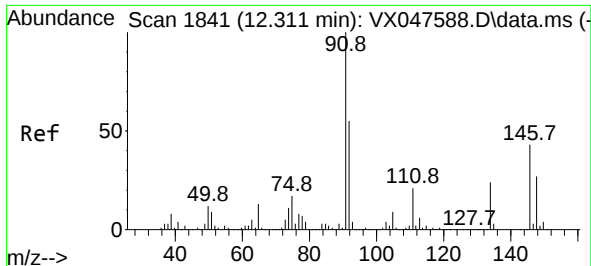
Tgt Ion: 75 Resp: 90556
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.339 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047959.D
Acq: 02 Oct 2025 12:05

Tgt Ion: 75 Resp: 90556
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#89

n-Butylbenzene

Concen: 0.269 ug/l

RT: 12.317 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047959.D

Acq: 02 Oct 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-TB-20250925

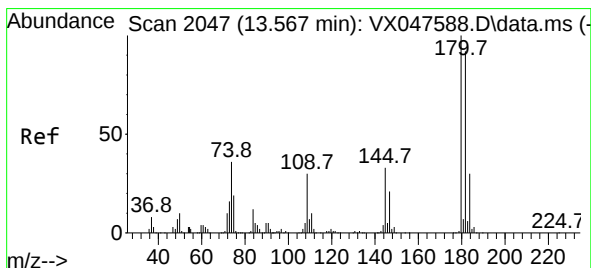
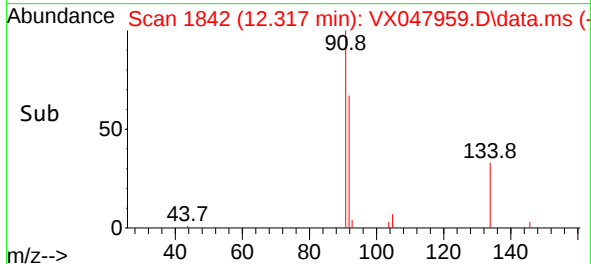
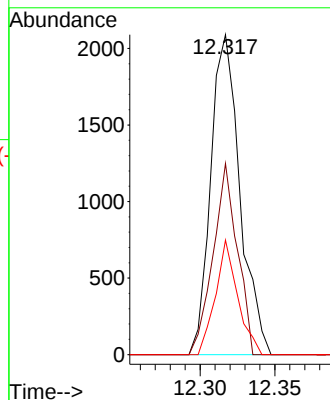
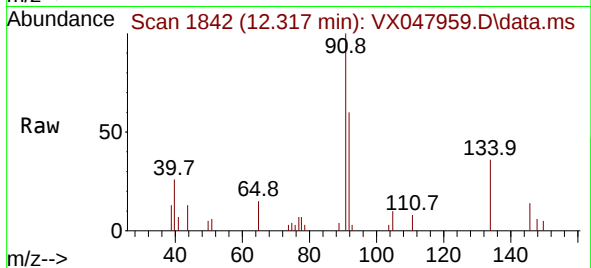
Tgt Ion: 91 Resp: 2834

Ion Ratio Lower Upper

91 100

92 49.6 27.6 82.7

134 27.3 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.341 ug/l

RT: 13.573 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VX047959.D

Acq: 02 Oct 2025 12:05

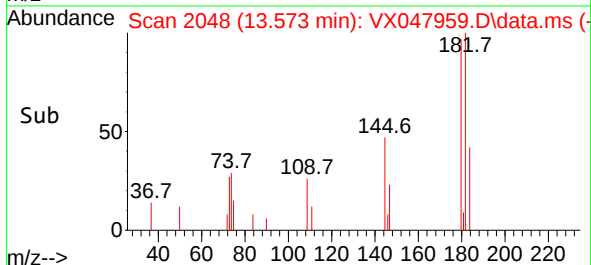
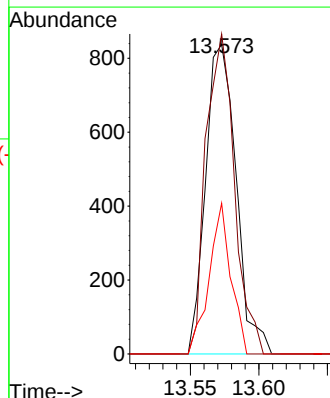
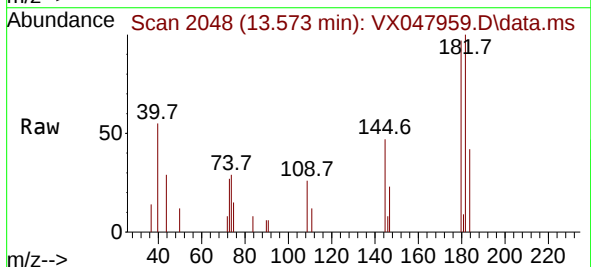
Tgt Ion: 180 Resp: 1301

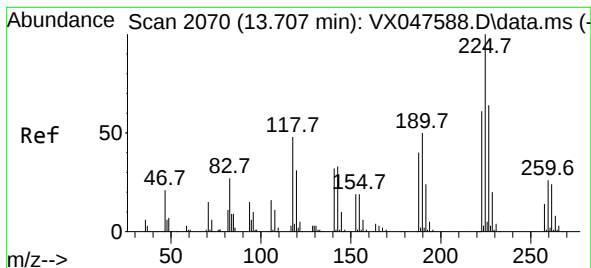
Ion Ratio Lower Upper

180 100

182 96.3 46.6 139.8

145 34.7 16.4 49.1





#94

Hexachlorobutadiene

Concen: 1.121 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX047959.D

Acq: 02 Oct 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-TB-20250925

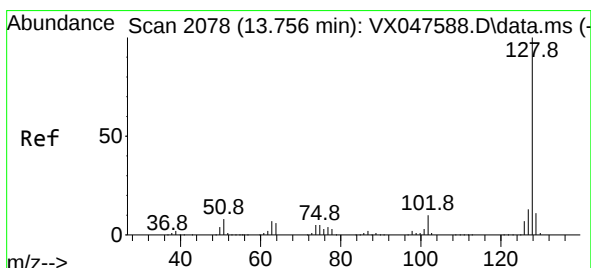
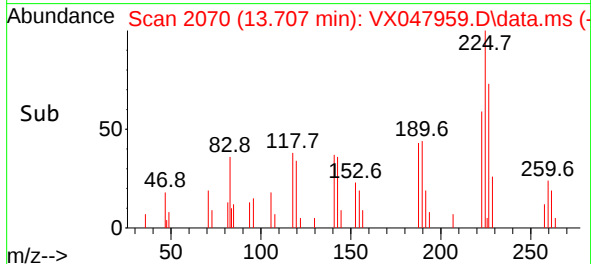
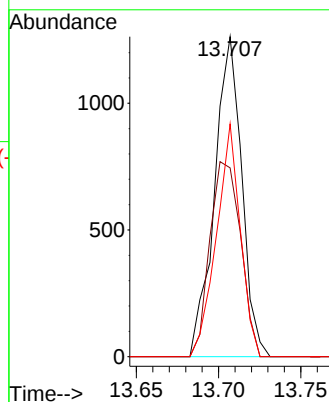
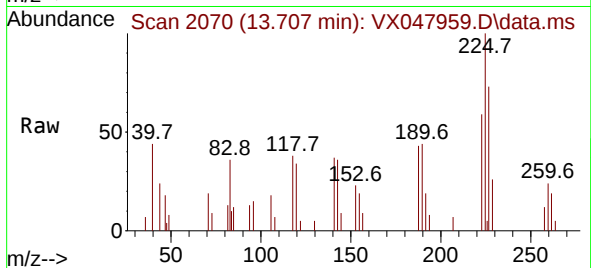
Tgt Ion:225 Resp: 1453

Ion Ratio Lower Upper

225 100

223 68.6 31.7 95.1

227 63.9 32.0 96.0



#95

Naphthalene

Concen: 0.249 ug/l

RT: 13.762 min Scan# 2079

Delta R.T. 0.006 min

Lab File: VX047959.D

Acq: 02 Oct 2025 12:05

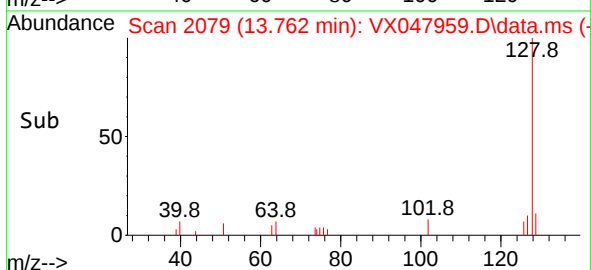
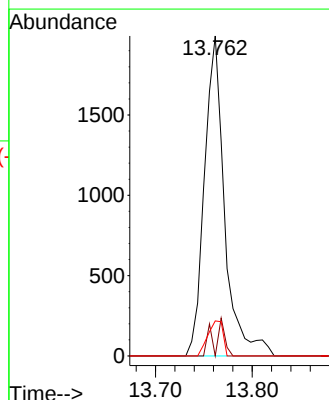
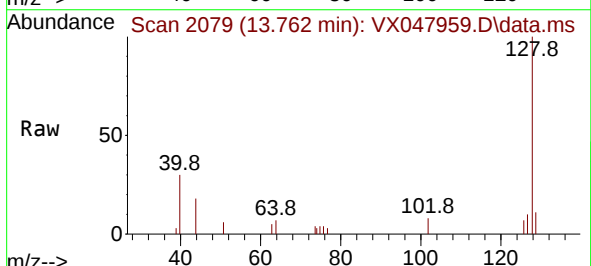
Tgt Ion:128 Resp: 2899

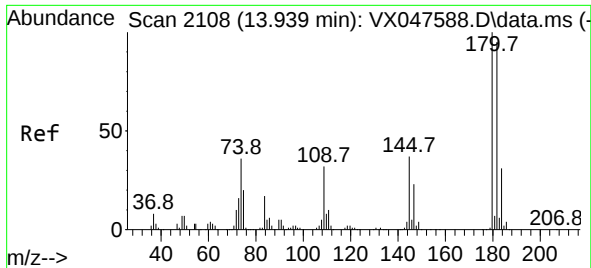
Ion Ratio Lower Upper

128 100

127 2.5 10.2 15.2#

129 8.2 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.345 ug/l

RT: 13.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047959.D

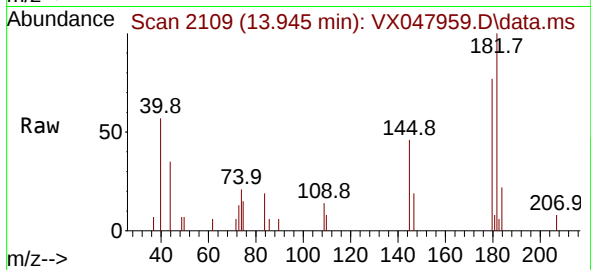
Acq: 02 Oct 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-TB-20250925



Tgt Ion:180 Resp: 1226

Ion Ratio Lower Upper

180 100

182 100.6 47.6 142.8

145 39.2 17.9 53.7

