

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048130.D
 Acq On : 13 Oct 2025 11:03
 Operator : JC/MD
 Sample : Q3324-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-EB-20251009

Quant Time: Oct 14 01:51:09 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)

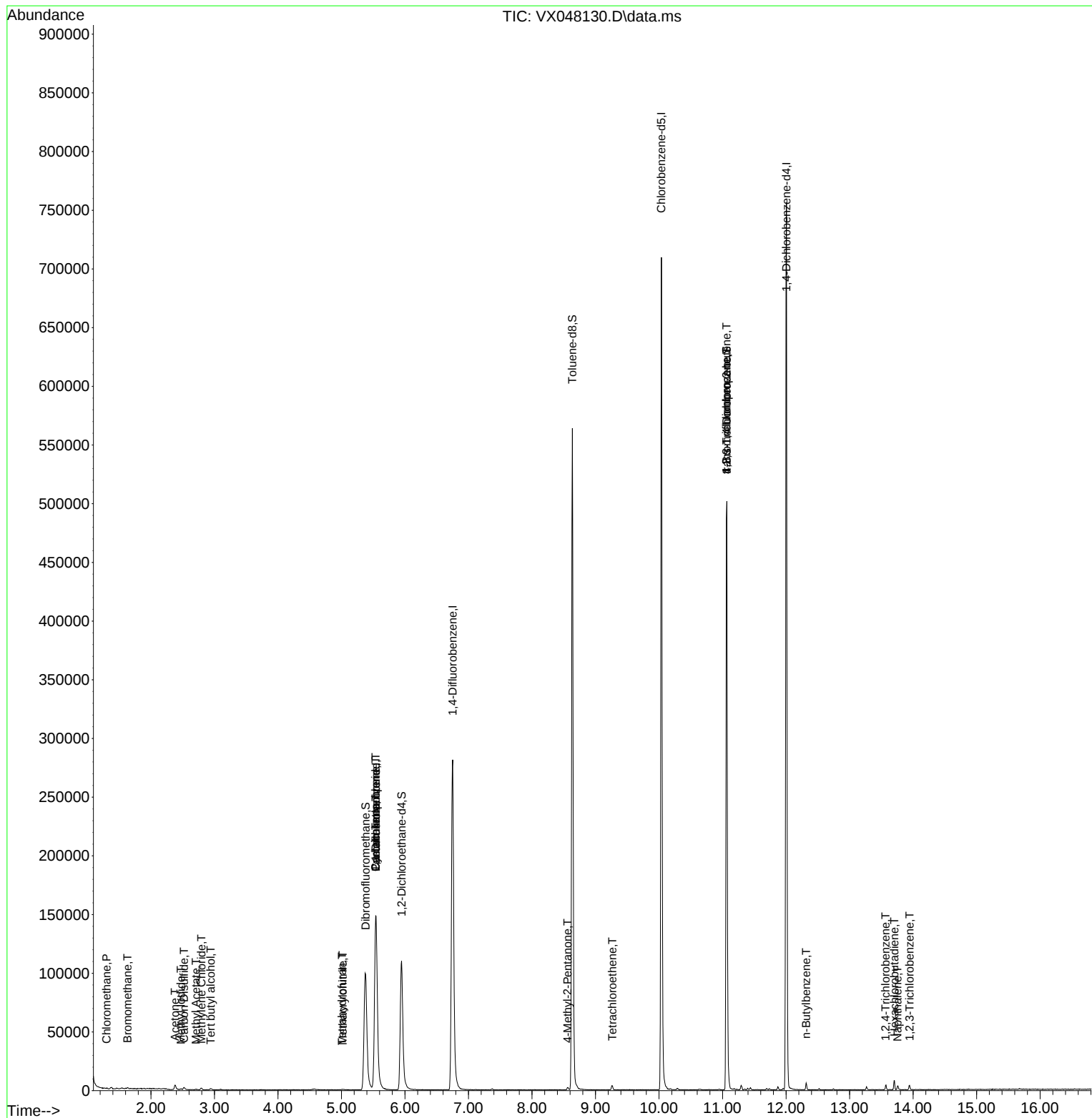
Internal Standards						
1) Pentafluorobenzene	5.543	168	150033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	306612	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	313607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	159311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120457	50.440	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.880%	
35) Dibromofluoromethane	5.379	113	99420	48.349	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.700%	
50) Toluene-d8	8.634	98	341571	48.006	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.020%	
62) 4-Bromofluorobenzene	11.061	95	148105	54.846	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	629	0.308	ug/l #	70
5) Bromomethane	1.629	94	492	0.388	ug/l #	65
10) Methyl Iodide	2.471	142	1135	0.419	ug/l #	69
11) Tert butyl alcohol	2.940	59	286	1.075	ug/l #	72
16) Acetone	2.379	43	5251	5.057	ug/l	99
17) Carbon Disulfide	2.519	76	1821	0.373	ug/l #	94
18) Methyl Acetate	2.708	43	521	0.225	ug/l #	54
20) Methylene Chloride	2.794	84	748	0.340	ug/l #	80
29) Tetrahydrofuran	5.007	42	256	0.329	ug/l #	34
31) Cyclohexane	5.537	56	3788	1.200	ug/l #	3
36) 1,1-Dichloropropene	5.537	75	13170	4.383	ug/l #	51
38) Carbon Tetrachloride	5.537	117	16081	4.926	ug/l #	18
41) Methacrylonitrile	5.019	41	362	0.218	ug/l #	42
51) 4-Methyl-2-Pentanone	8.561	43	1645	0.562	ug/l #	86
64) Tetrachloroethene	9.262	164	484	0.237	ug/l #	66
76) 1,2,3-Trichloropropane	11.061	75	78680	24.393	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	78680	62.205	ug/l #	8
89) n-Butylbenzene	12.317	91	2220	0.234	ug/l	98
93) 1,2,4-Trichlorobenzene	13.566	180	1081	0.315	ug/l	95
94) Hexachlorobutadiene	13.707	225	1116	0.958	ug/l	92
95) Naphthalene	13.755	128	2665	0.255	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.944	180	1077	0.337	ug/l	95

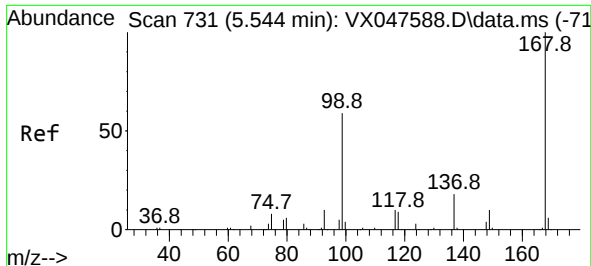
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
Data File : VX048130.D
Acq On : 13 Oct 2025 11:03
Operator : JC/MD
Sample : Q3324-03RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

Quant Time: Oct 14 01:51:09 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

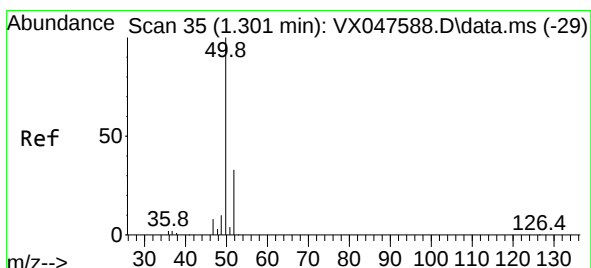
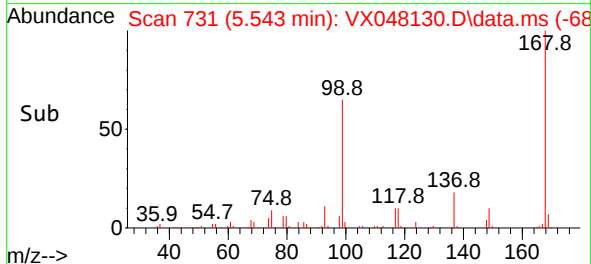
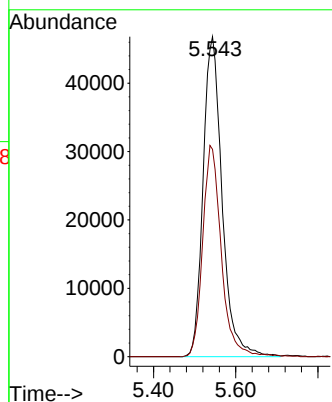
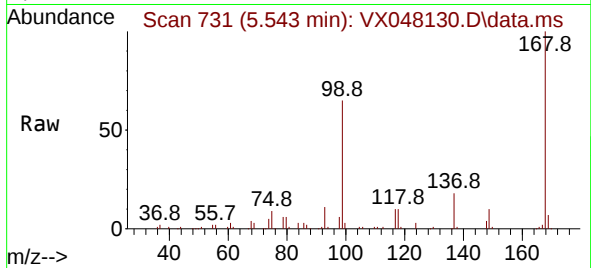




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

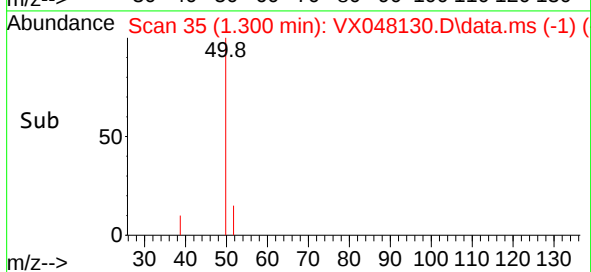
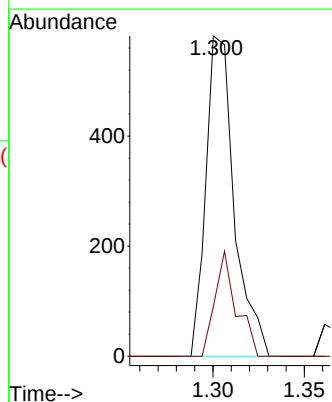
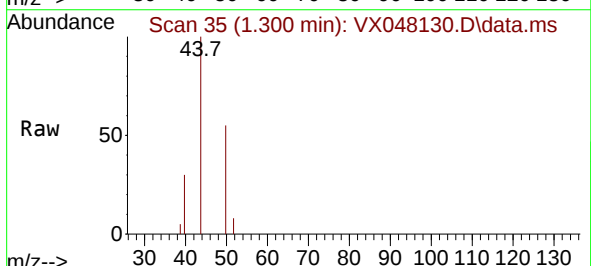
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

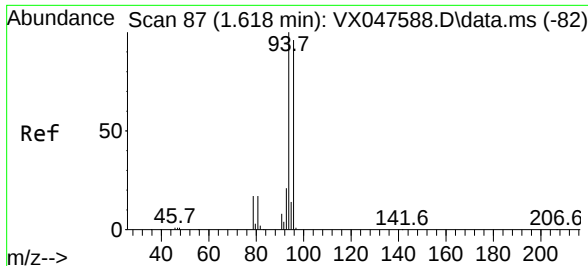
Tgt Ion:168 Resp: 150033
Ion Ratio Lower Upper
168 100
99 64.8 48.8 73.2



#3
Chloromethane
Concen: 0.308 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion: 50 Resp: 629
Ion Ratio Lower Upper
50 100
52 15.5 26.1 39.1#

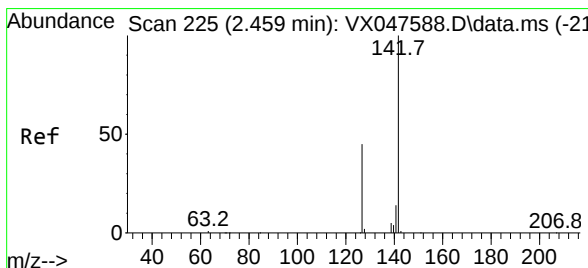
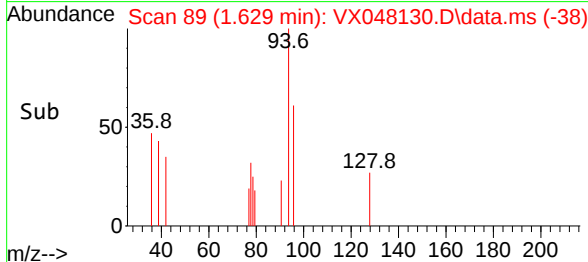
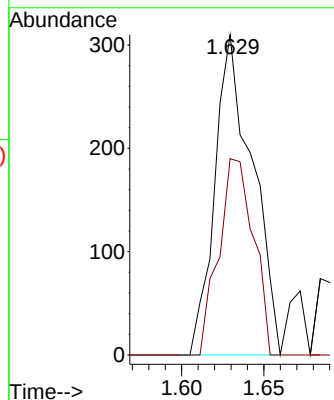
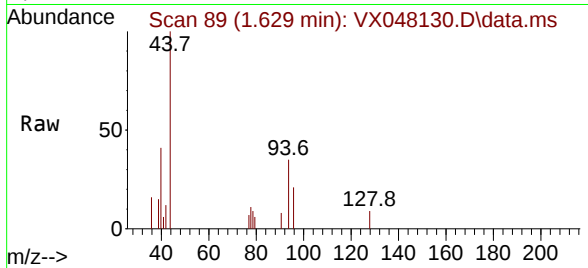




#5
Bromomethane
Concen: 0.388 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

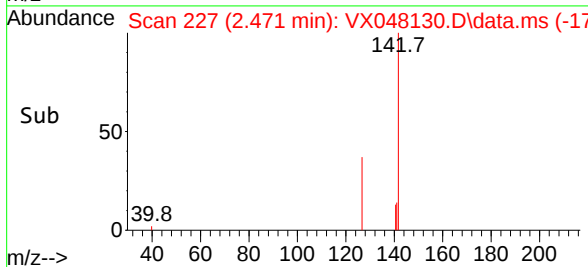
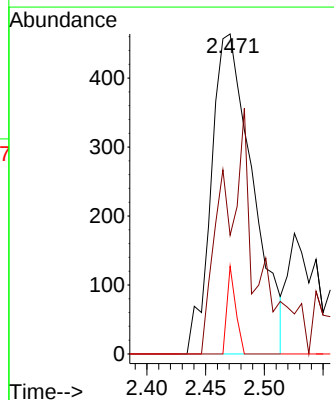
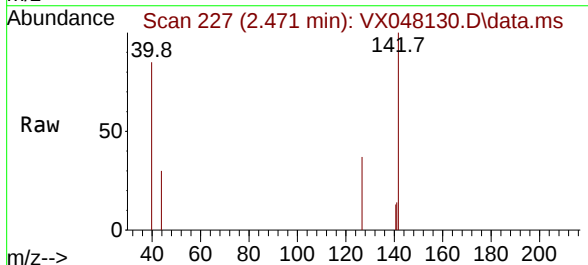
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

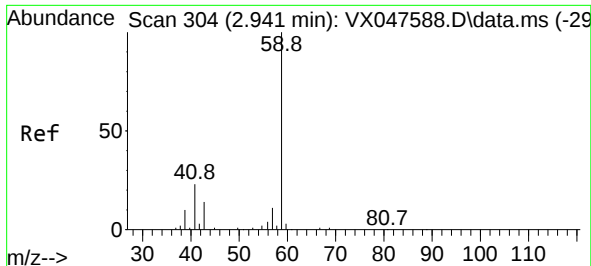
Tgt Ion: 94 Resp: 492
Ion Ratio Lower Upper
94 100
96 61.3 76.6 115.0#



#10
Methyl Iodide
Concen: 0.419 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion:142 Resp: 1135
Ion Ratio Lower Upper
142 100
127 23.5 37.2 55.8#
141 5.7 11.4 17.0#

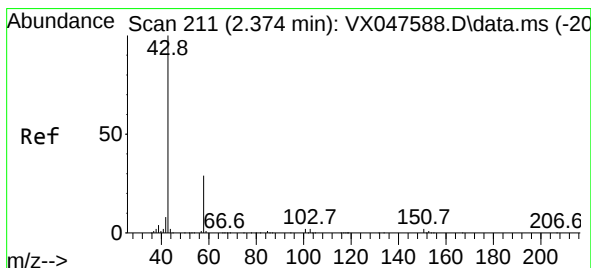
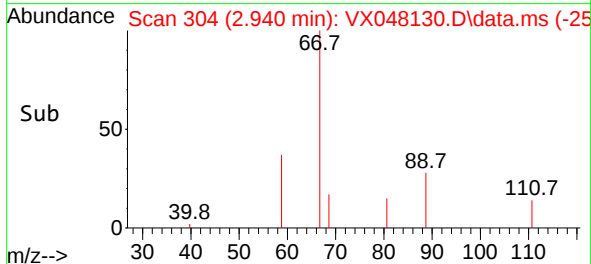
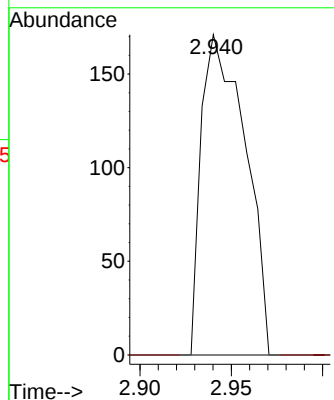
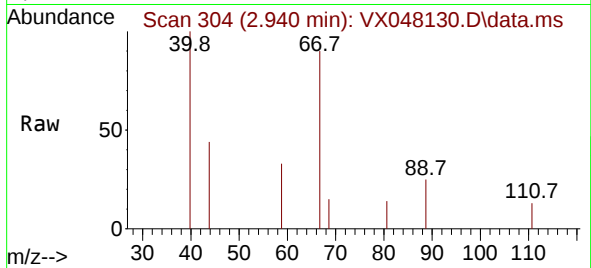




#11
Tert butyl alcohol
Concen: 1.075 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

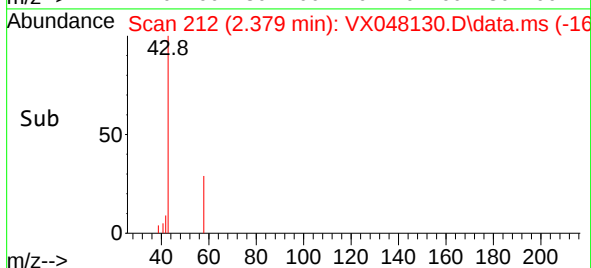
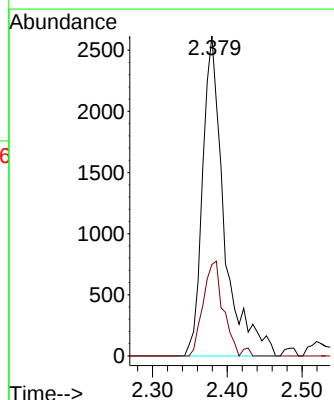
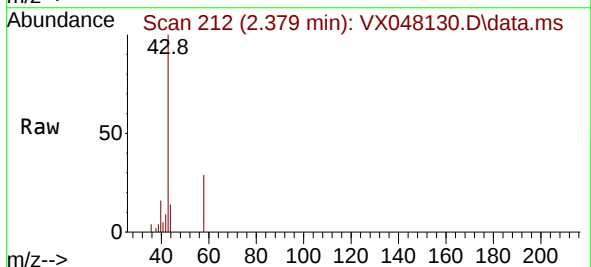
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

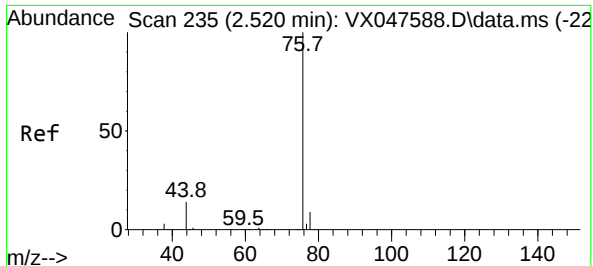
Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.057 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion: 43 Resp: 5251
Ion Ratio Lower Upper
43 100
58 28.5 23.4 35.0





#17

Carbon Disulfide

Concen: 0.373 ug/l

RT: 2.519 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048130.D

Acq: 13 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

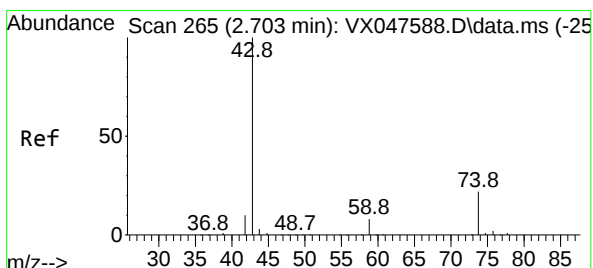
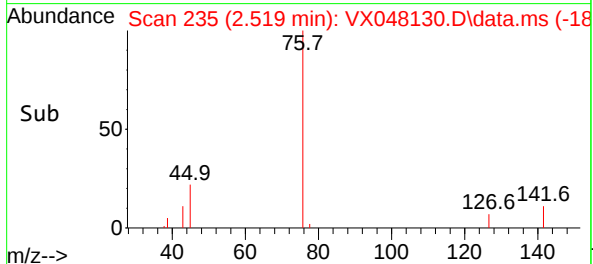
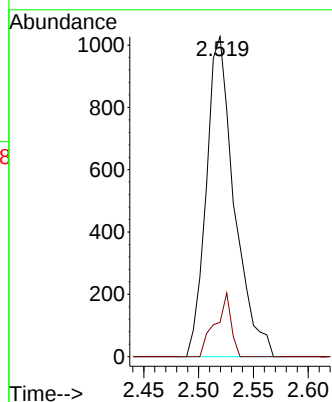
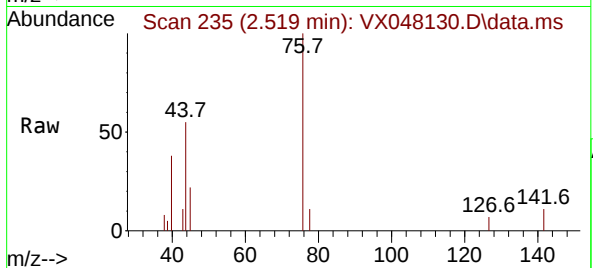
BP-VPB-184-EB-20251009

Tgt Ion: 76 Resp: 1821

Ion Ratio Lower Upper

76 100

78 10.7 6.8 10.2#



#18

Methyl Acetate

Concen: 0.225 ug/l

RT: 2.708 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX048130.D

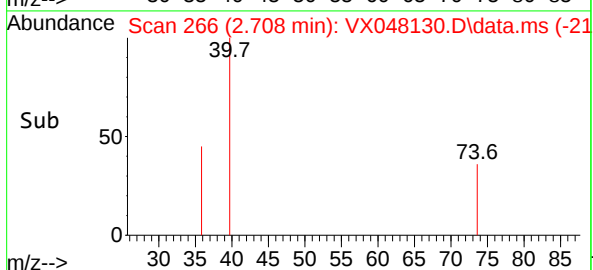
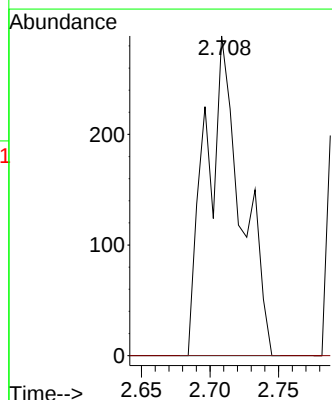
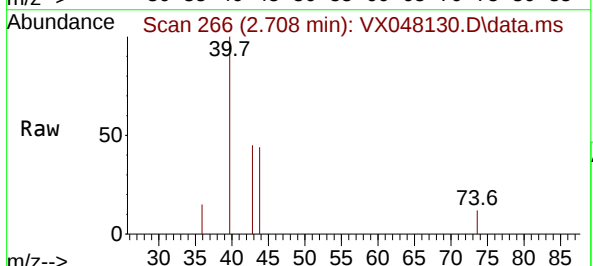
Acq: 13 Oct 2025 11:03

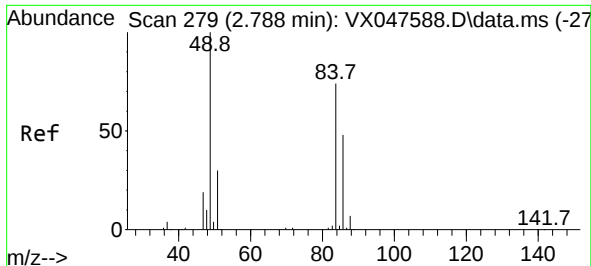
Tgt Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

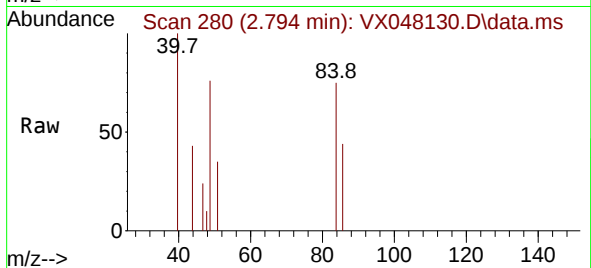
74 0.0 17.4 26.2#



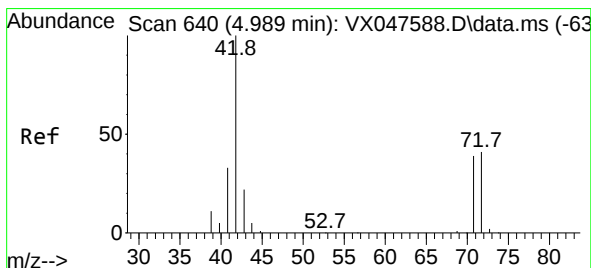
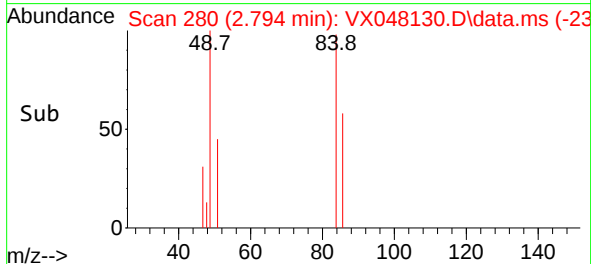
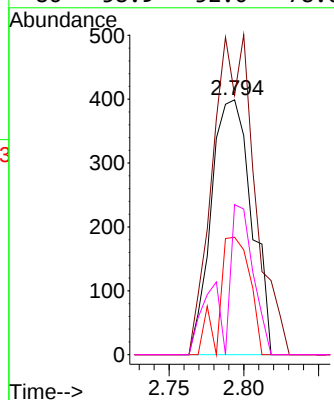


#20
Methylene Chloride
Concen: 0.340 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

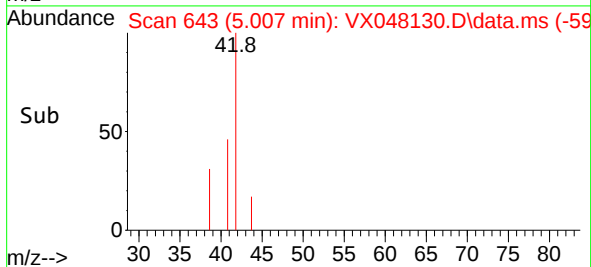
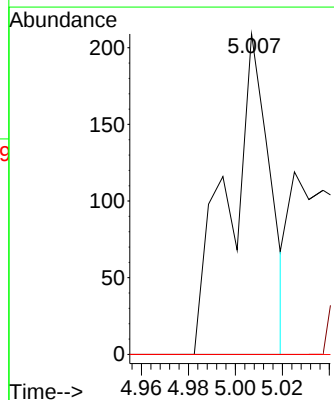
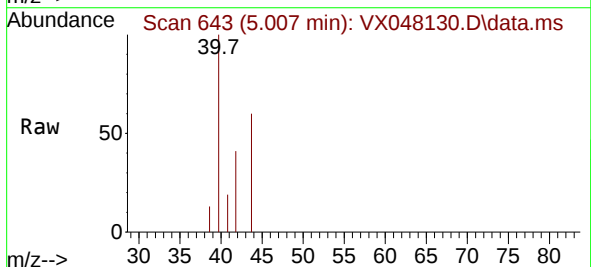


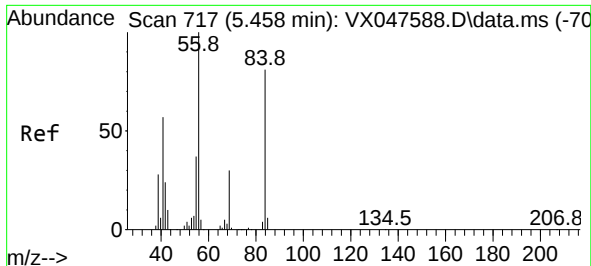
Tgt Ion:	84	Resp:	748
Ion	Ratio	Lower	Upper
84	100		
49	101.8	108.6	162.8#
51	46.1	32.6	48.8
86	58.9	52.0	78.0



#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.018 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion:	42	Resp:	256
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	31.9	47.9#

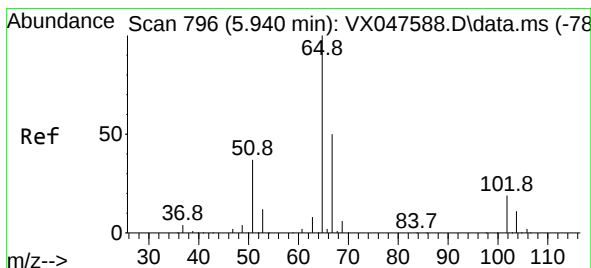
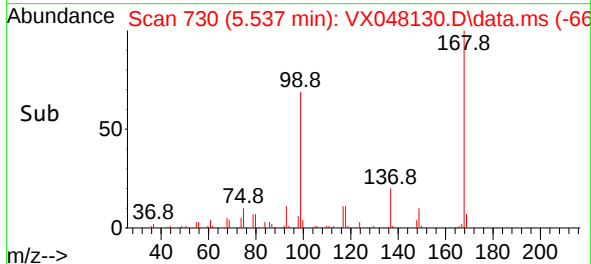
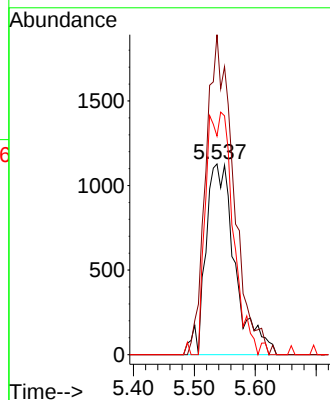
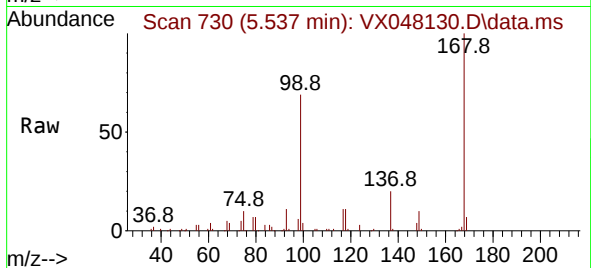




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

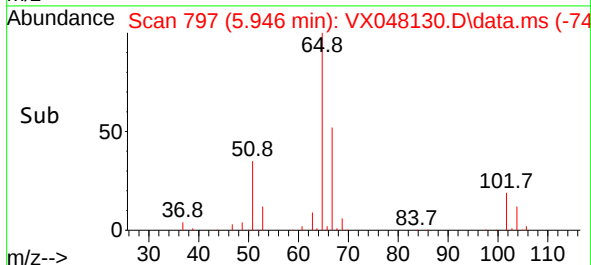
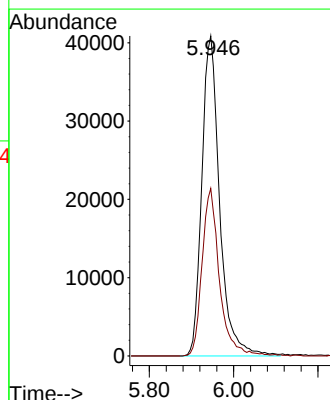
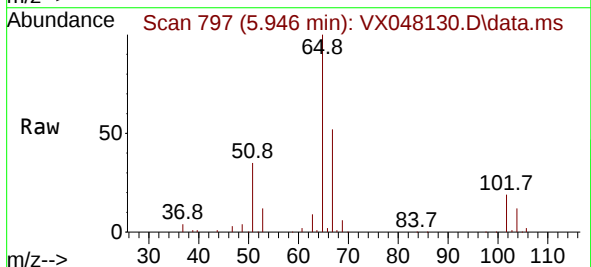
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

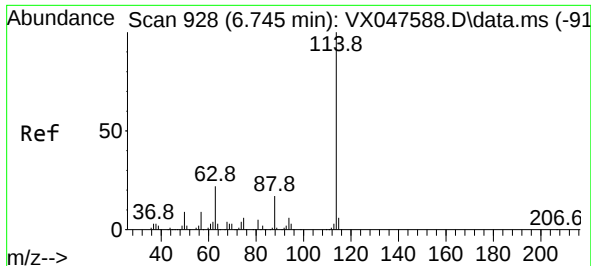
Tgt Ion: 56 Resp: 3788
Ion Ratio Lower Upper
56 100
69 167.7 23.8 35.8#
84 114.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.440 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion: 65 Resp: 120457
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

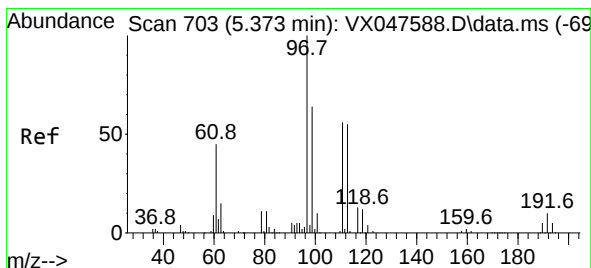
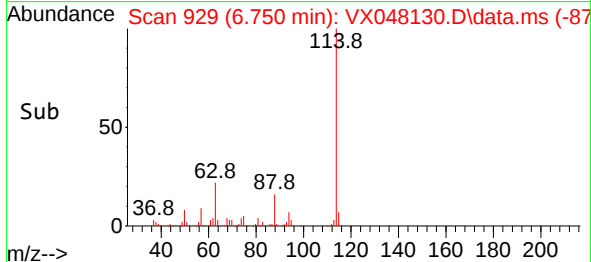
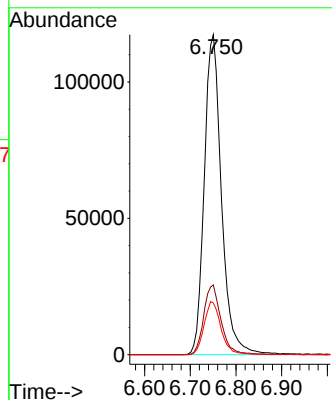
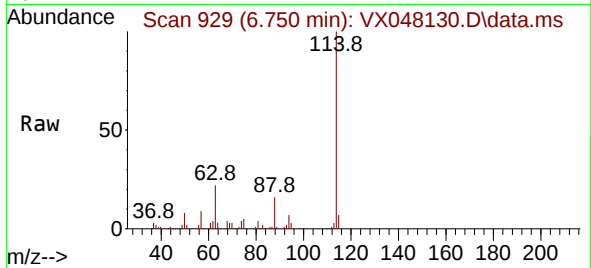




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

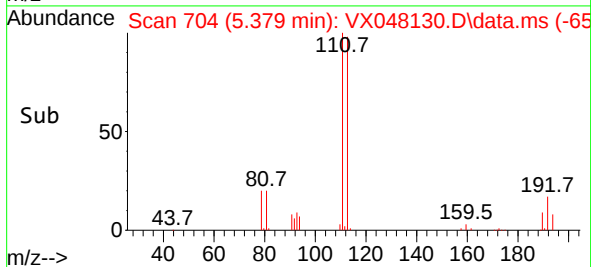
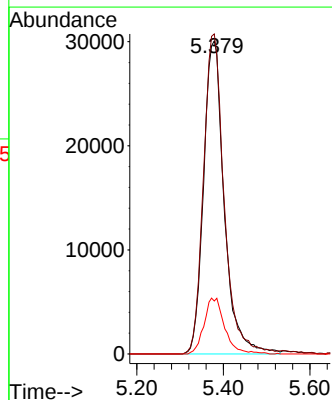
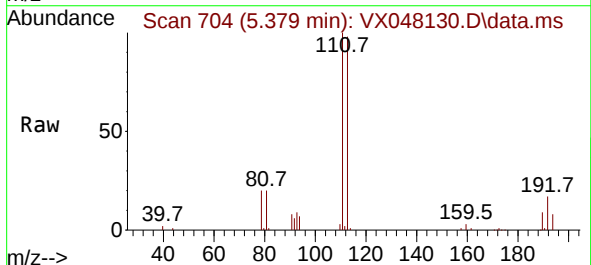
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

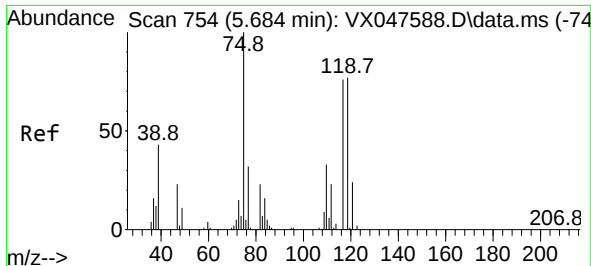
Tgt Ion:114 Resp: 306612
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 16.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.349 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion:113 Resp: 99420
Ion Ratio Lower Upper
113 100
111 102.6 80.9 121.3
192 18.0 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.383 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.147 min

Lab File: VX048130.D

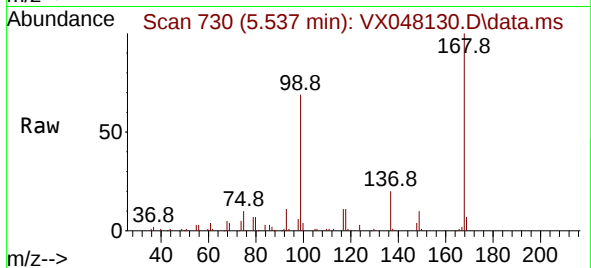
Acq: 13 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20251009



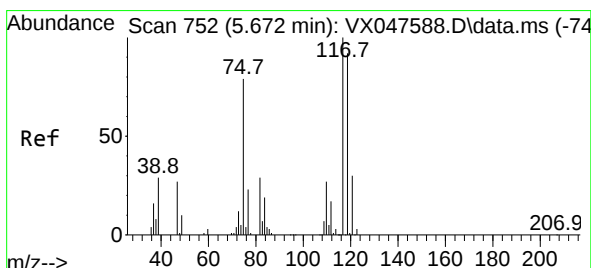
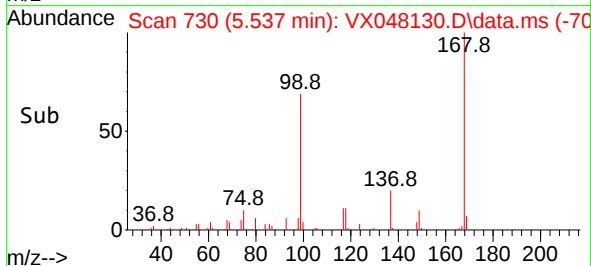
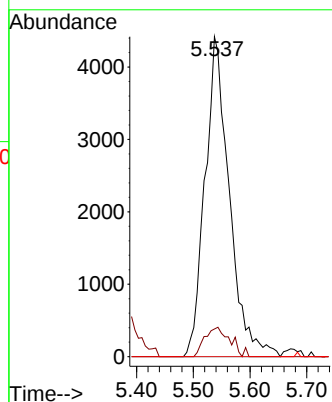
Tgt Ion: 75 Resp: 13170

Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.926 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.135 min

Lab File: VX048130.D

Acq: 13 Oct 2025 11:03

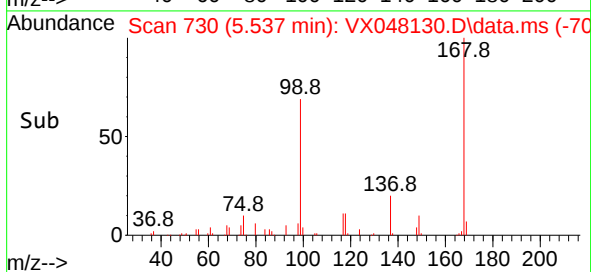
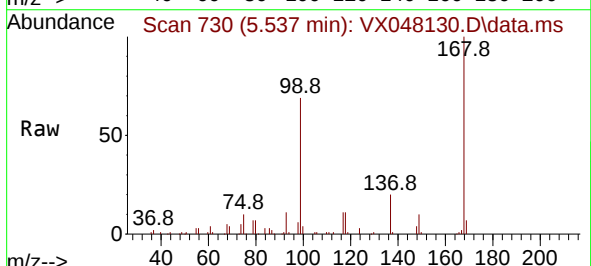
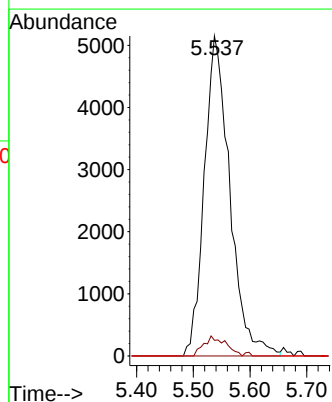
Tgt Ion: 117 Resp: 16081

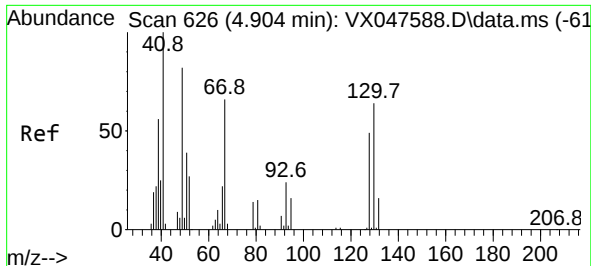
Ion Ratio Lower Upper

117 100

119 4.9 73.4 110.2#

121 0.0 23.8 35.6#

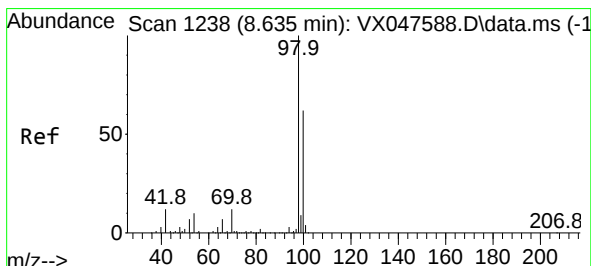
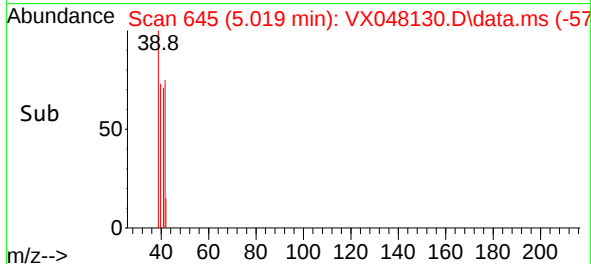
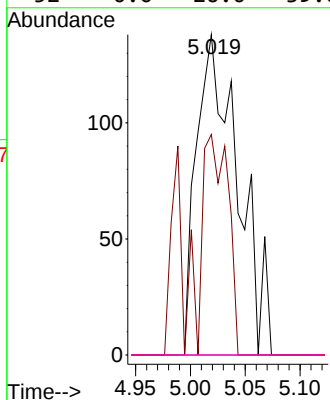
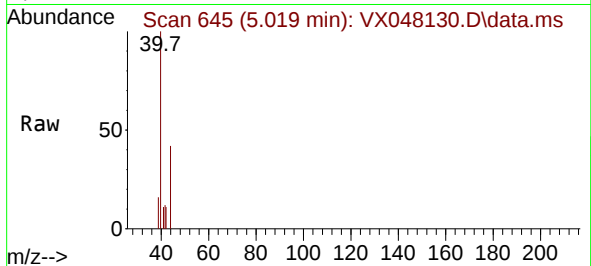




#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.115 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

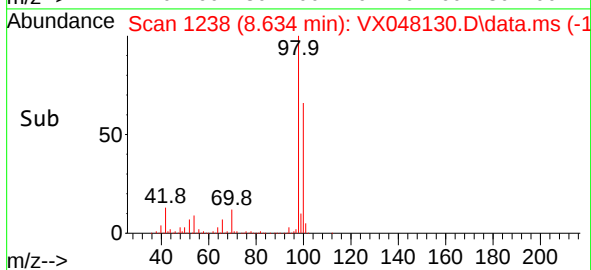
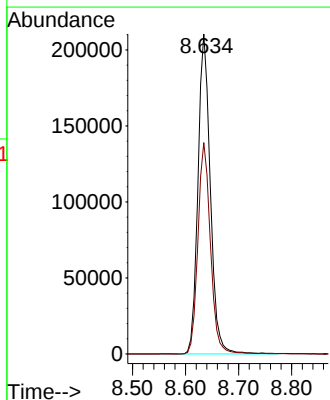
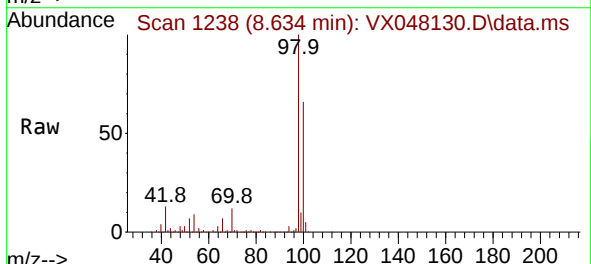
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

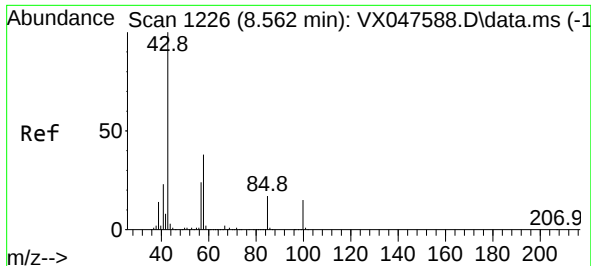
Tgt Ion:	41	Resp:	362
Ion	Ratio	Lower	Upper
41	100		
39	41.2	43.3	64.9#
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#



#50
Toluene-d8
Concen: 48.006 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion:	98	Resp:	341571
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

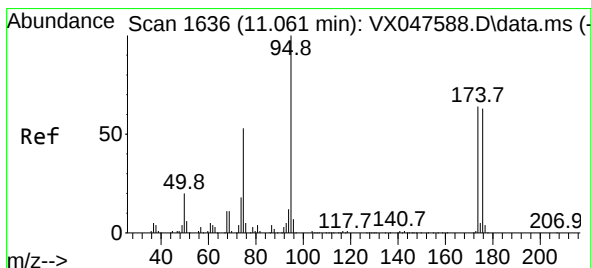
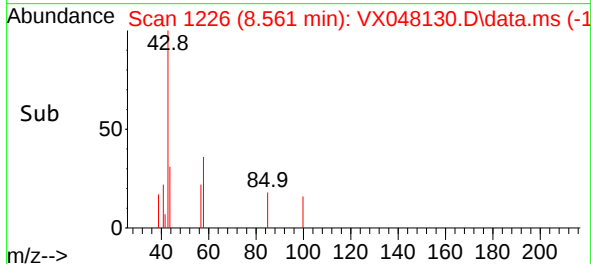
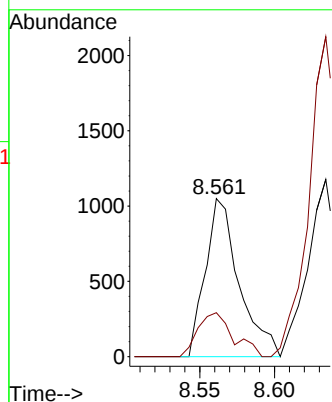
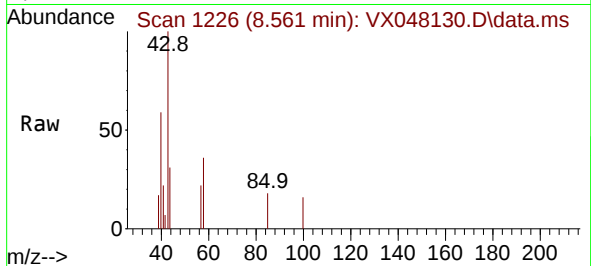




#51
4-Methyl-2-Pentanone
Concen: 0.562 ug/l
RT: 8.561 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

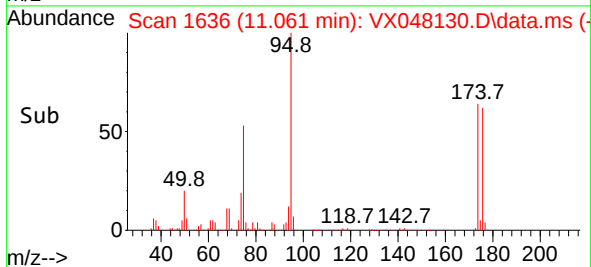
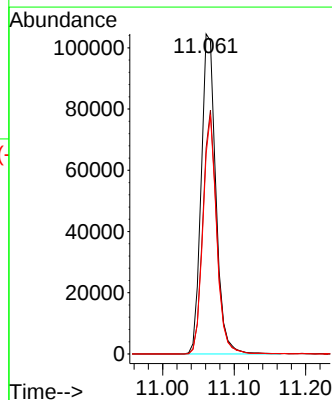
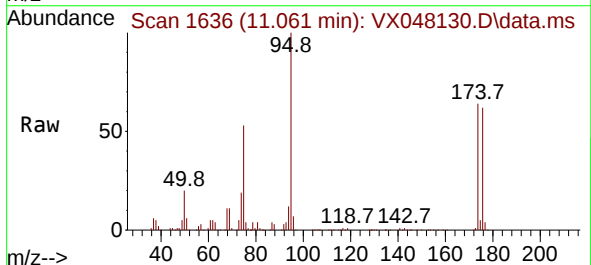
Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-EB-20251009

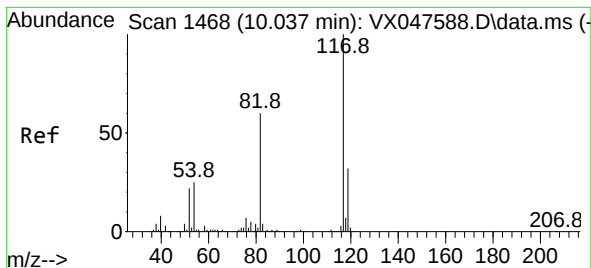
Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
58 29.2 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 54.846 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion: 95 Resp: 148105
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.6
176 70.2 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048130.D

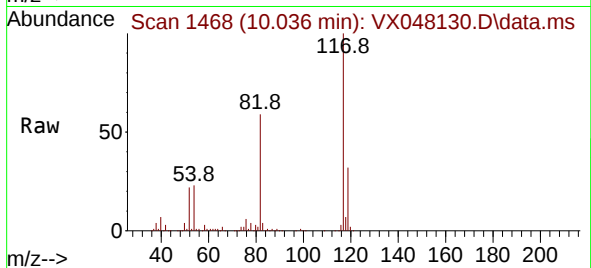
Acq: 13 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20251009



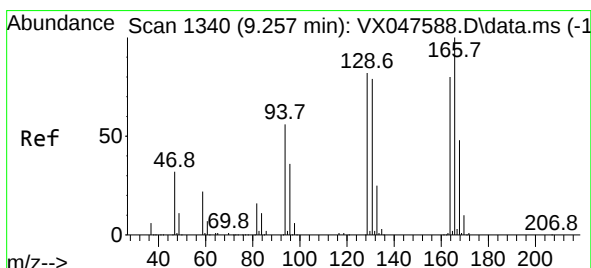
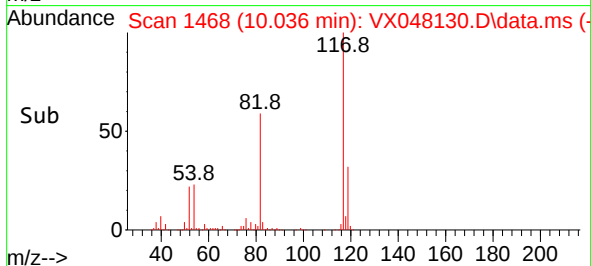
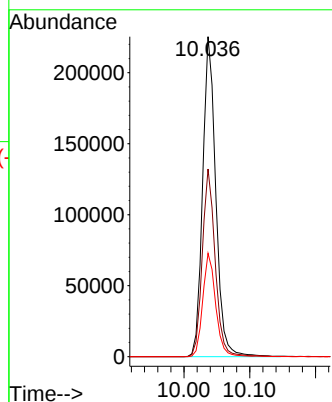
Tgt Ion:117 Resp: 313607

Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.6

119 32.3 25.2 37.8



#64

Tetrachloroethene

Concen: 0.237 ug/l

RT: 9.262 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048130.D

Acq: 13 Oct 2025 11:03

Tgt Ion:164 Resp: 484

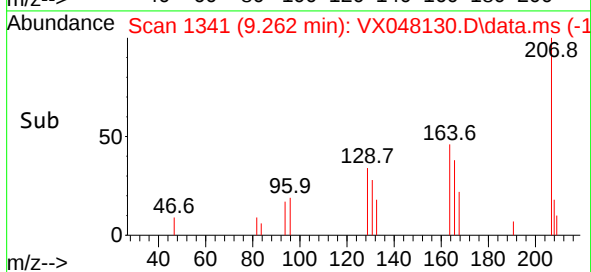
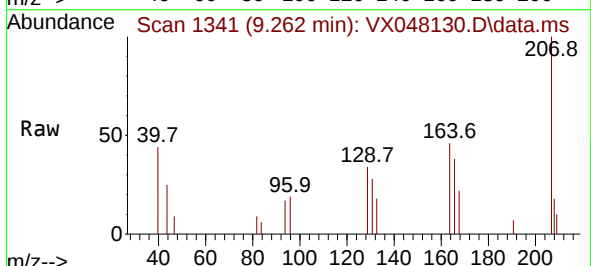
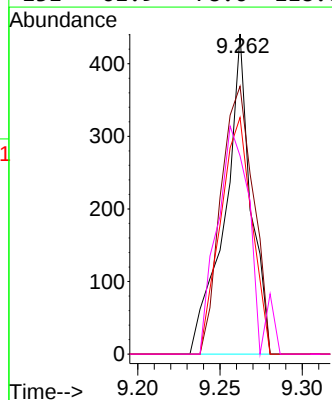
Ion Ratio Lower Upper

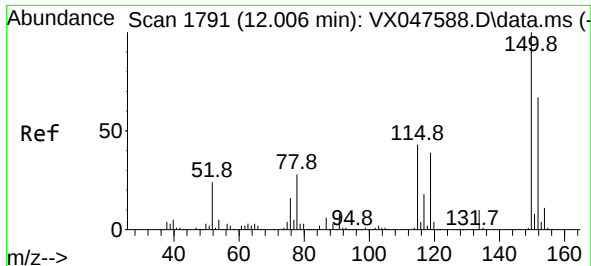
164 100

166 83.7 100.2 150.2#

129 73.9 81.8 122.6#

131 61.9 78.6 118.0#

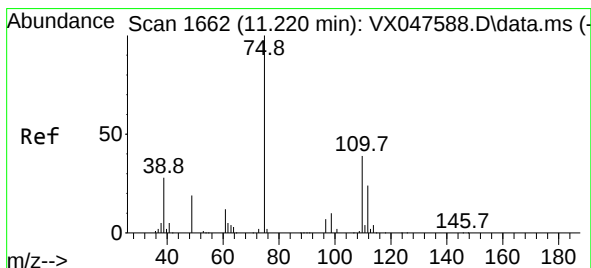
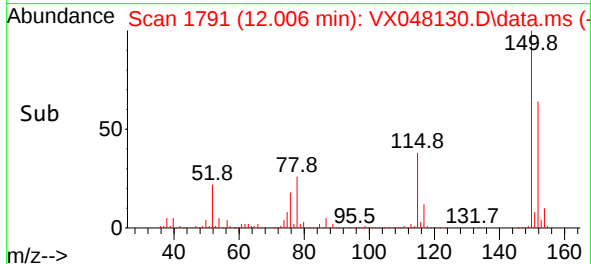
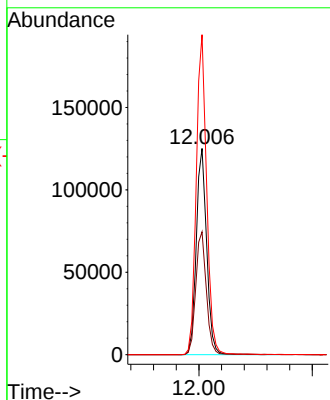
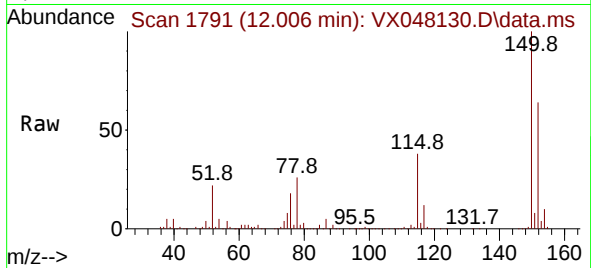




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

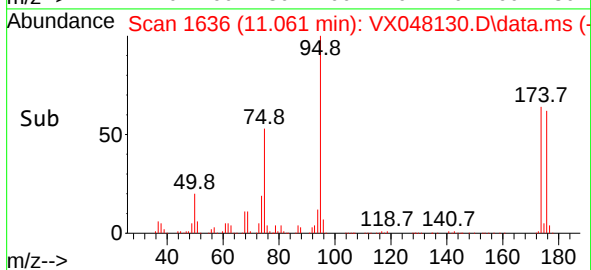
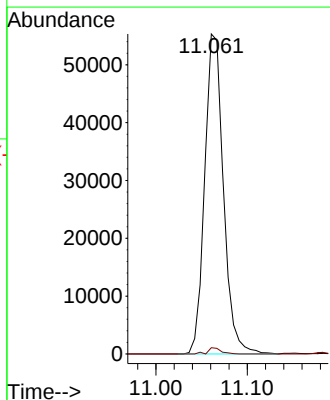
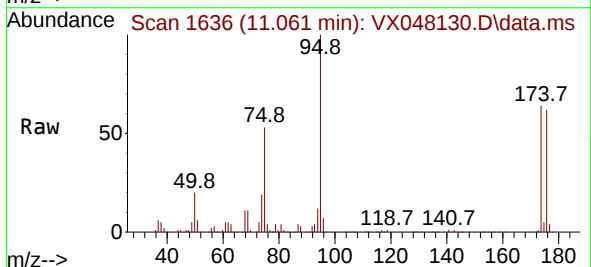
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

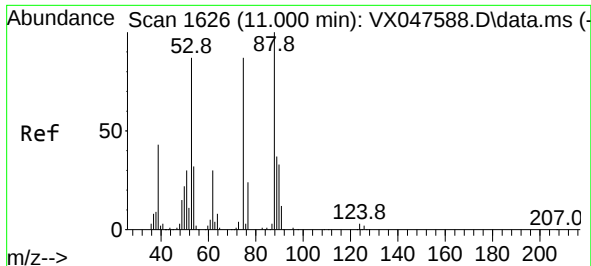
Tgt Ion:152 Resp: 159311
Ion Ratio Lower Upper
152 100
115 60.8 44.9 134.5
150 154.9 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 24.393 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion: 75 Resp: 78680
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#

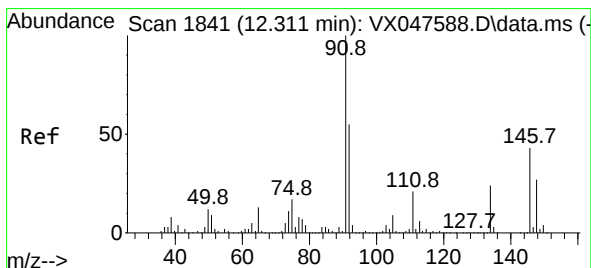
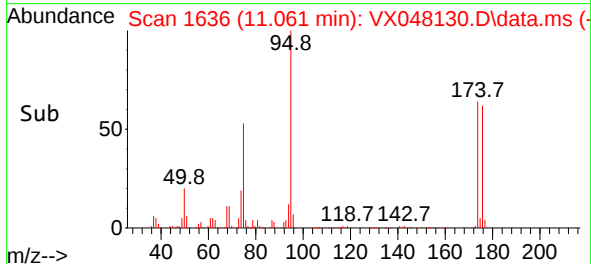
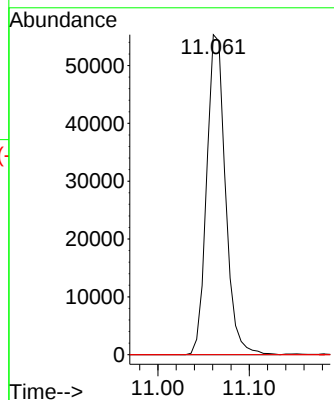
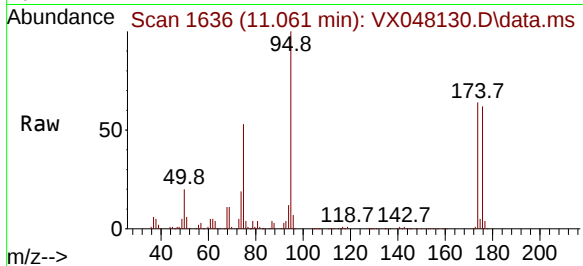




#81
trans-1,4-Dichloro-2-butene
Concen: 62.205 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

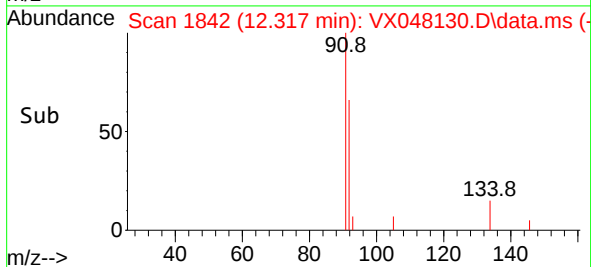
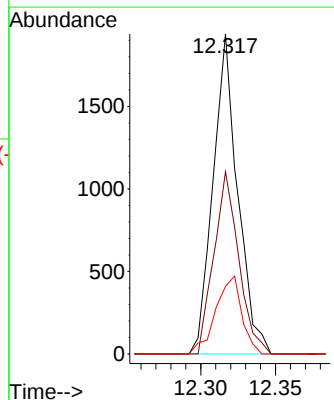
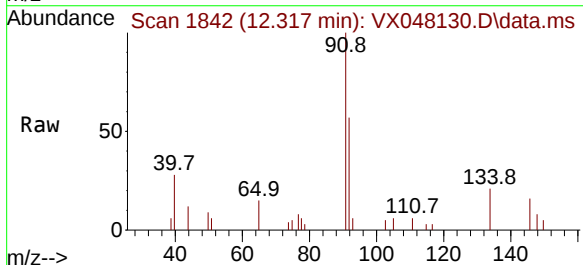
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009

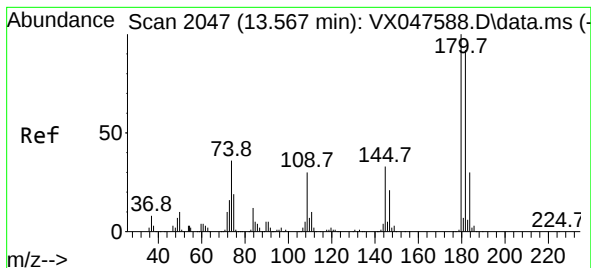
Tgt Ion: 75 Resp: 78680
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#89
n-Butylbenzene
Concen: 0.234 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

Tgt Ion: 91 Resp: 2220
Ion Ratio Lower Upper
91 100
92 57.3 27.6 82.7
134 25.7 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.315 ug/l

RT: 13.566 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX048130.D

Acq: 13 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20251009

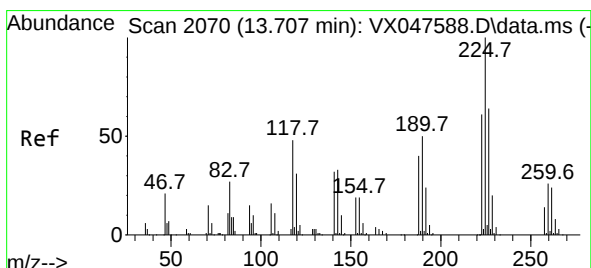
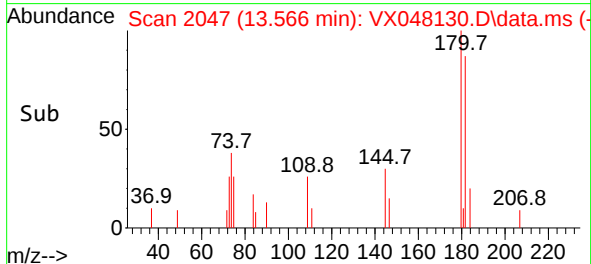
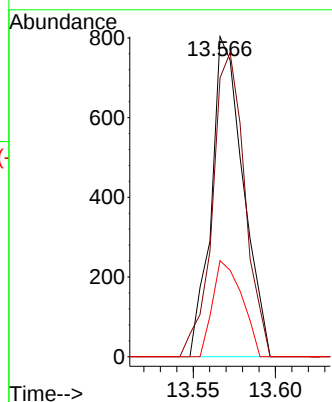
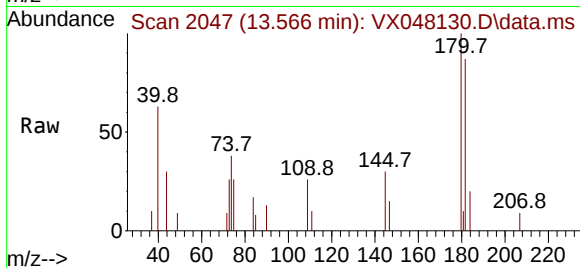
Tgt Ion:180 Resp: 1081

Ion Ratio Lower Upper

180 100

182 96.2 46.6 139.8

145 27.6 16.4 49.1



#94

Hexachlorobutadiene

Concen: 0.958 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX048130.D

Acq: 13 Oct 2025 11:03

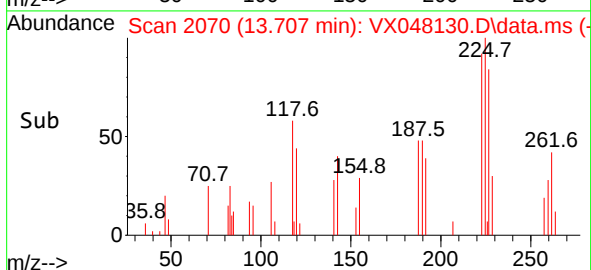
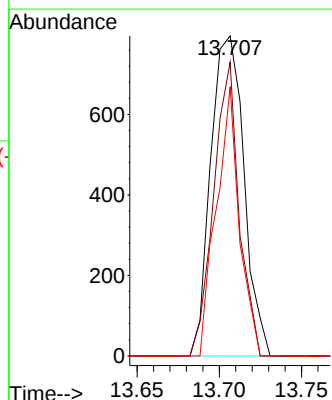
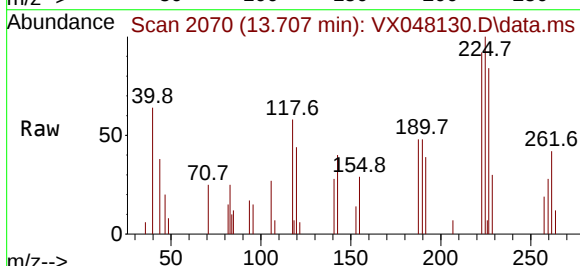
Tgt Ion:225 Resp: 1116

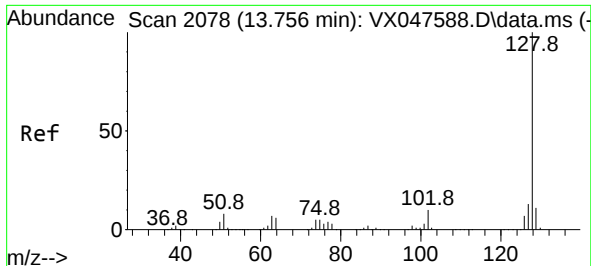
Ion Ratio Lower Upper

225 100

223 70.3 31.7 95.1

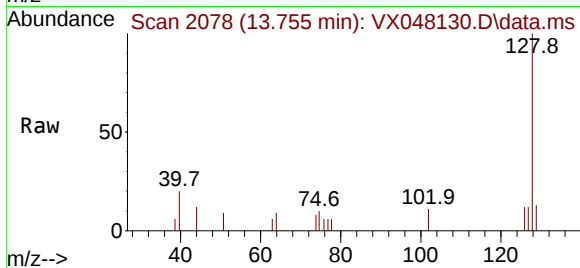
227 58.3 32.0 96.0



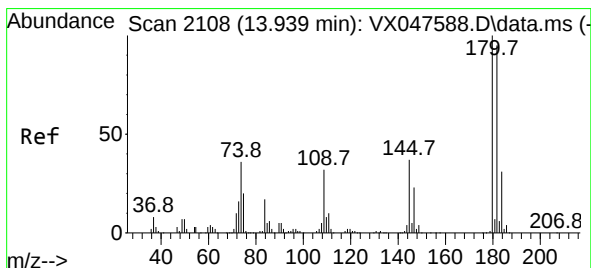
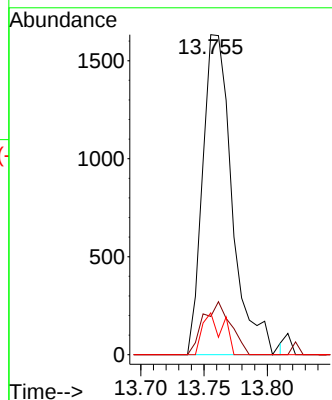
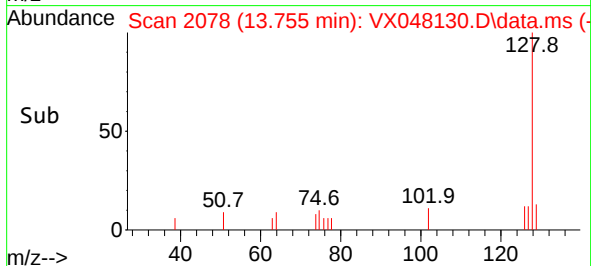


#95
Naphthalene
Concen: 0.255 ug/l
RT: 13.755 min Scan# 2109
Delta R.T. -0.000 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03

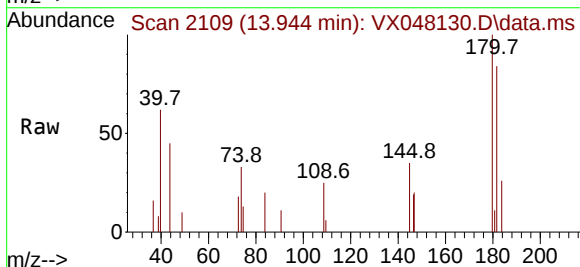
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251009



Tgt Ion:128 Resp: 2665
Ion Ratio Lower Upper
128 100
127 15.3 10.2 15.2#
129 9.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.337 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048130.D
Acq: 13 Oct 2025 11:03



Tgt Ion:180 Resp: 1077
Ion Ratio Lower Upper
180 100
182 101.5 47.6 142.8
145 36.3 17.9 53.7

