

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047760.D
 Acq On : 24 Sep 2025 08:22
 Operator : JC/MD
 Sample : Q3141-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-100-102

Quant Time: Sep 24 09:03:57 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)

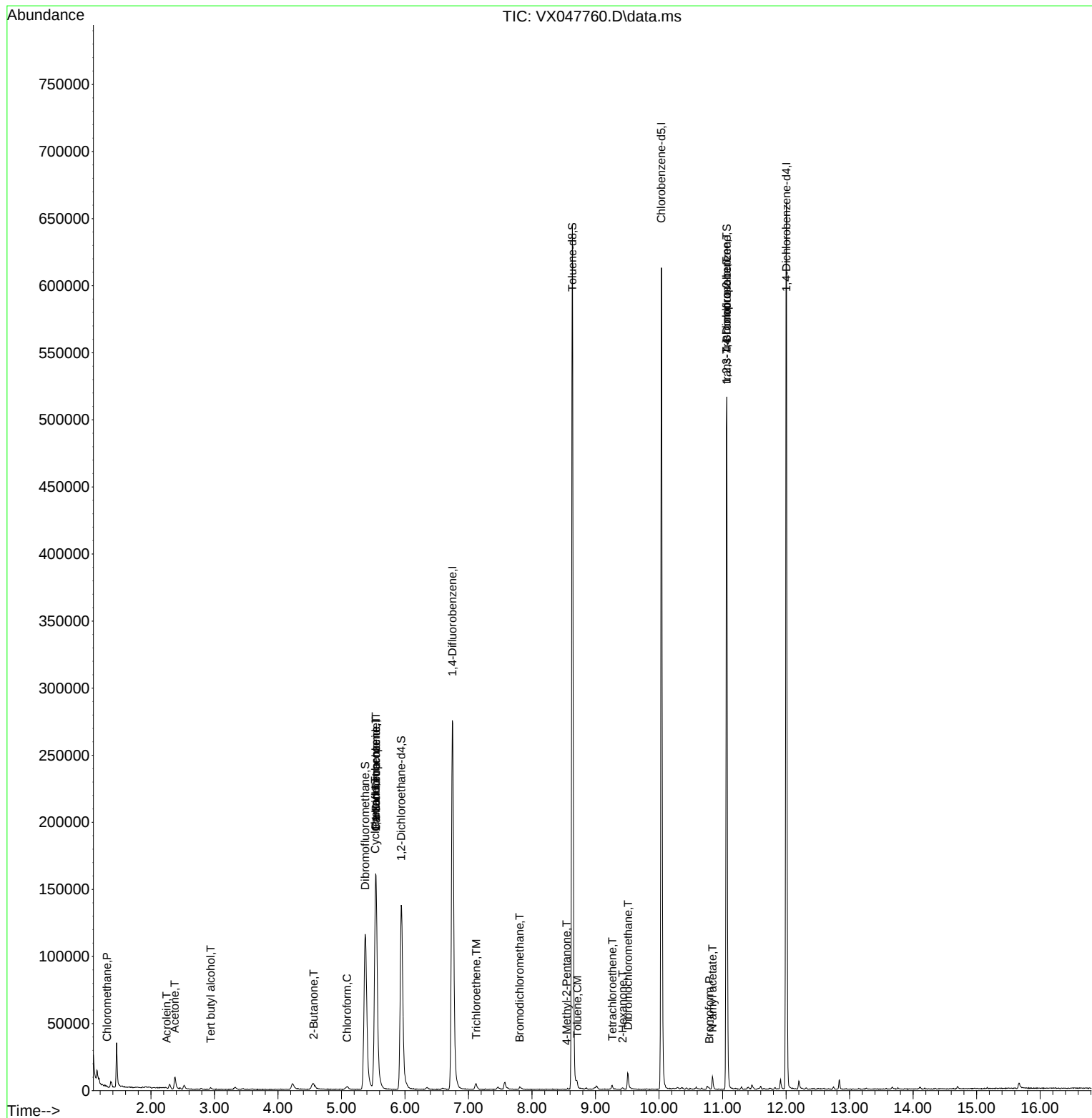
Internal Standards						
1) Pentafluorobenzene	5.537	168	165497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	300349	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	276860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	136496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	149951	56.923	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.840%			
35) Dibromofluoromethane	5.373	113	113994	56.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.180%			
50) Toluene-d8	8.634	98	383307	54.995	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.980%			
62) 4-Bromofluorobenzene	11.067	95	148783	56.246	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.500%			
Target Compounds					Qvalue	
3) Chloromethane	1.307	50	538	0.239	ug/l #	80
11) Tert butyl alcohol	2.940	59	403	1.374	ug/l #	72
13) Acrolein	2.245	56	232	0.858	ug/l #	41
16) Acetone	2.373	43	12472	10.889	ug/l	99
25) 2-Butanone	4.562	43	3585	2.509	ug/l #	80
30) Chloroform	5.086	83	2823	0.668	ug/l	95
31) Cyclohexane	5.531	56	3668	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	13789	4.685	ug/l #	51
38) Carbon Tetrachloride	5.544	117	17458	5.459	ug/l #	17
44) Trichloroethene	7.123	130	2022	0.936	ug/l	88
47) Bromodichloromethane	7.805	83	1217	0.354	ug/l #	94
51) 4-Methyl-2-Pentanone	8.543	43	897	0.313	ug/l #	37
52) Toluene	8.714	92	1845	0.335	ug/l	98
59) 2-Hexanone	9.427	43	1072	0.521	ug/l	96
60) Dibromochloromethane	9.512	129	1095	0.447	ug/l	96
64) Tetrachloroethene	9.262	164	474	0.263	ug/l #	87
71) Bromoform	10.793	173	496	0.306	ug/l #	88
74) N-amyl acetate	10.841	43	1346	0.284	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	75675	27.383	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	75675	69.829	ug/l #	8

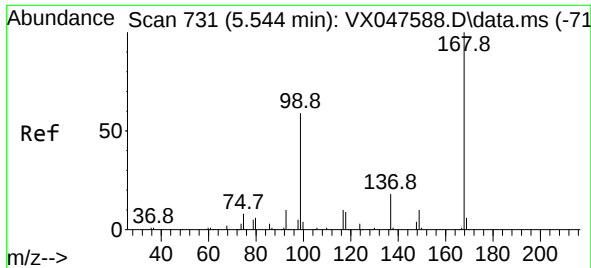
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 24 09:03:57 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

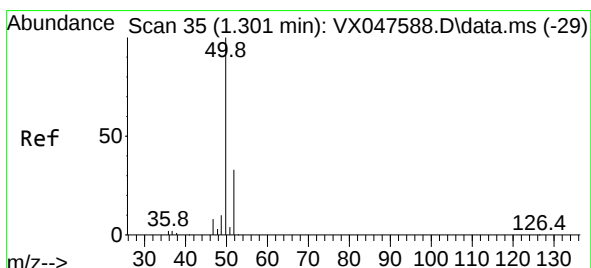
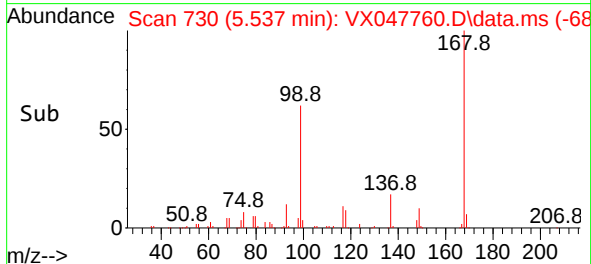
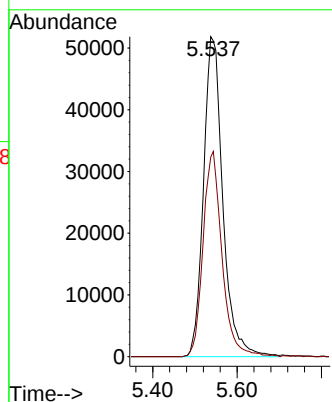
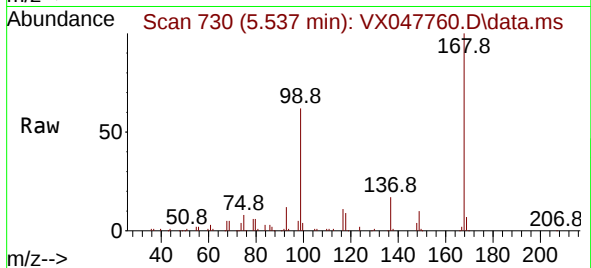




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

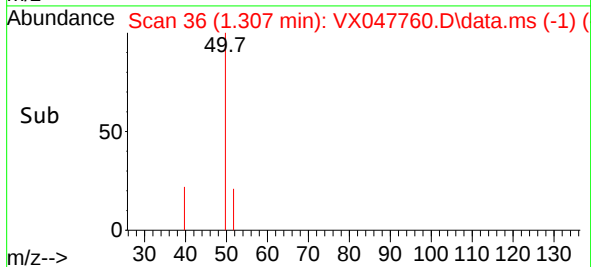
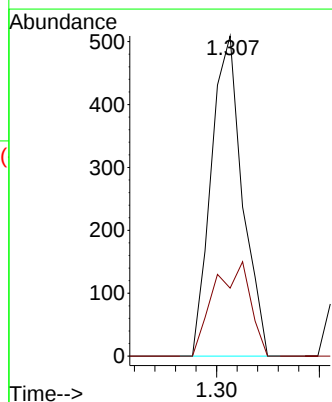
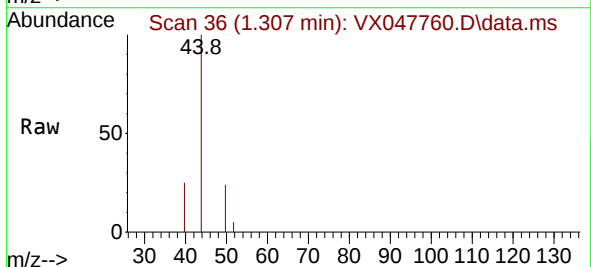
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

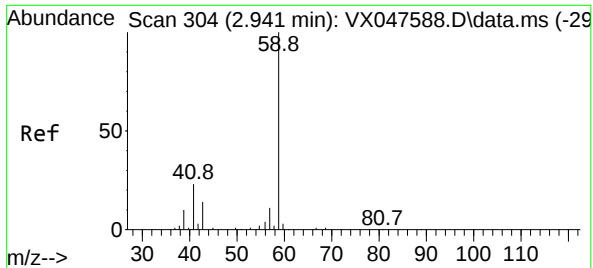
Tgt Ion:168 Resp: 165497
Ion Ratio Lower Upper
168 100
99 62.3 48.8 73.2



#3
Chloromethane
Concen: 0.239 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 50 Resp: 538
Ion Ratio Lower Upper
50 100
52 21.2 26.1 39.1#

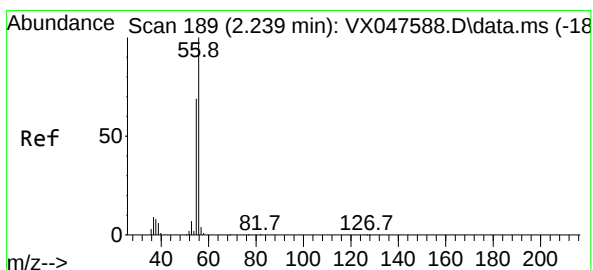
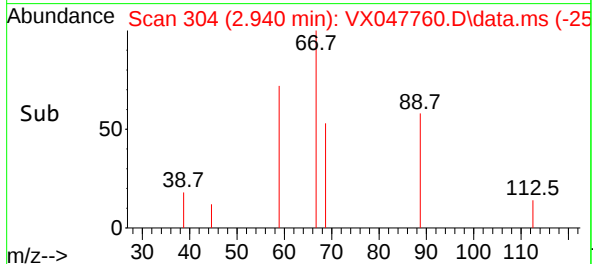
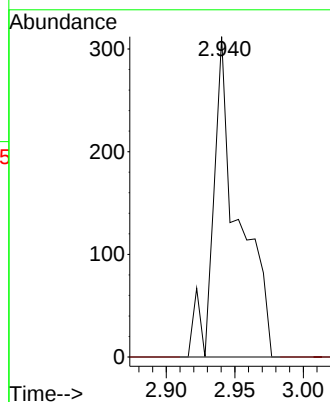
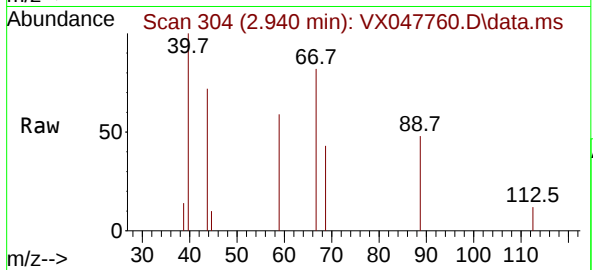




#11
Tert butyl alcohol
Concen: 1.374 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

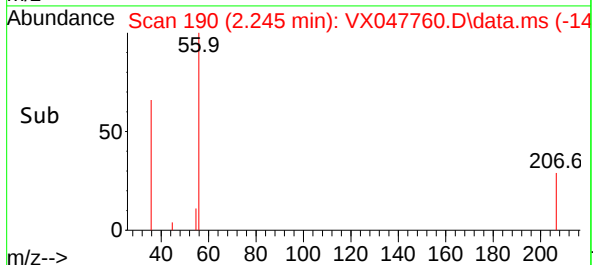
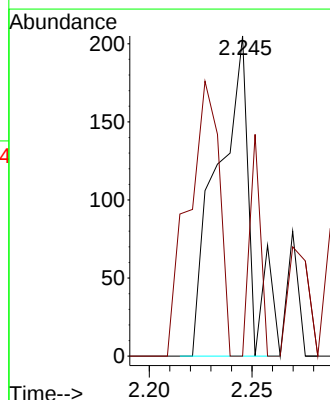
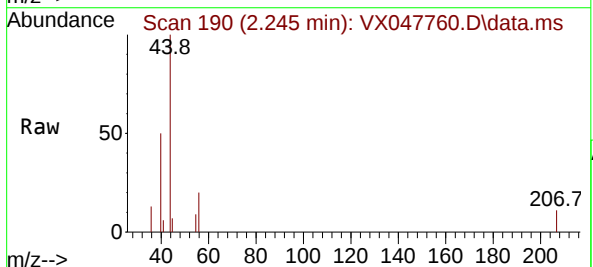
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

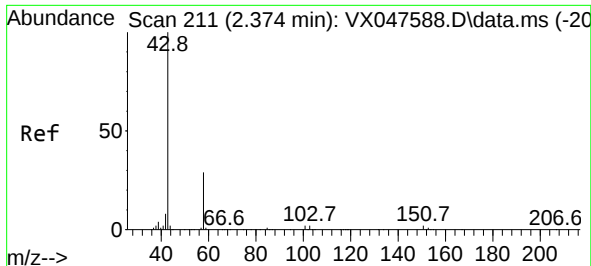
Tgt Ion: 59 Resp: 403
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.858 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
55 22.4 57.2 85.8#

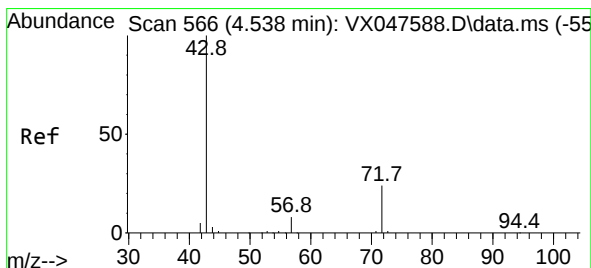
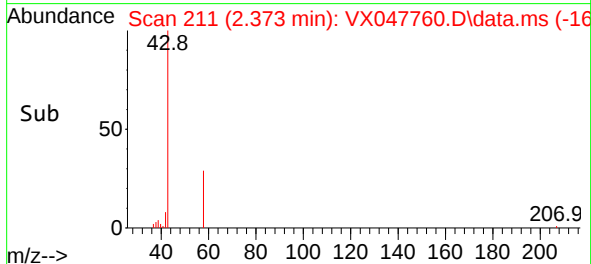
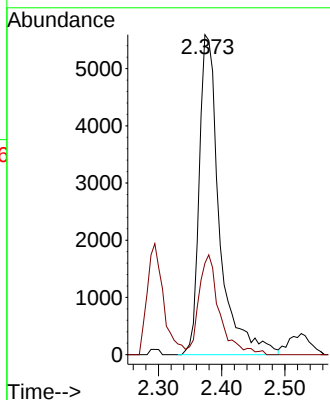
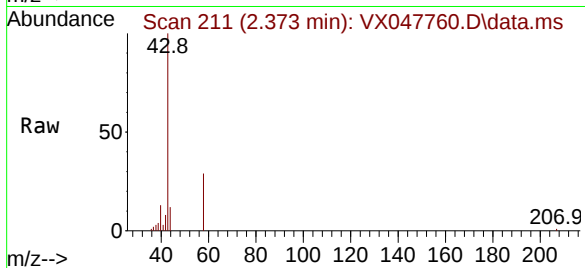




#16
Acetone
Concen: 10.889 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

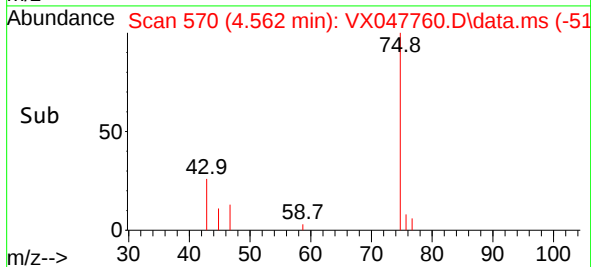
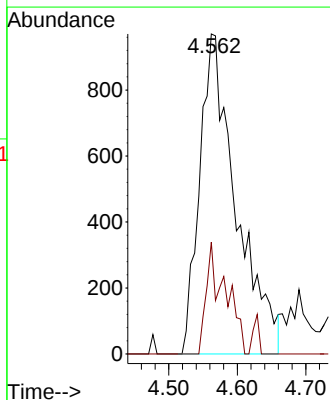
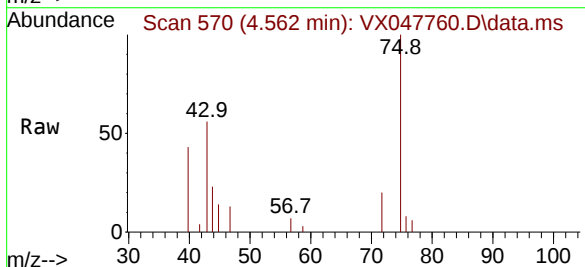
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

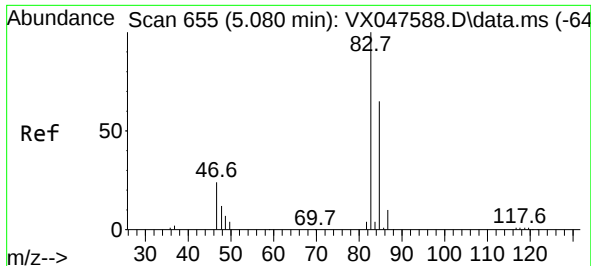
Tgt Ion: 43 Resp: 12472
Ion Ratio Lower Upper
43 100
58 28.6 23.4 35.0



#25
2-Butanone
Concen: 2.509 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 43 Resp: 3585
Ion Ratio Lower Upper
43 100
72 34.9 20.1 30.1#





#30

Chloroform

Concen: 0.668 ug/l

RT: 5.086 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX047760.D

Acq: 24 Sep 2025 08:22

Instrument :

MSVOA_X

ClientSampleId :

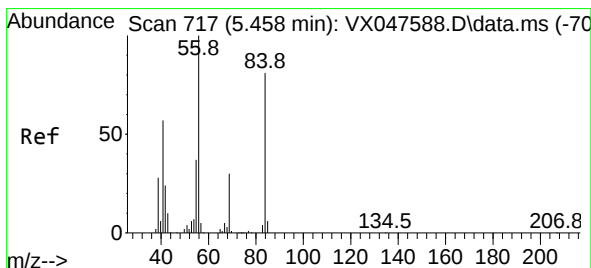
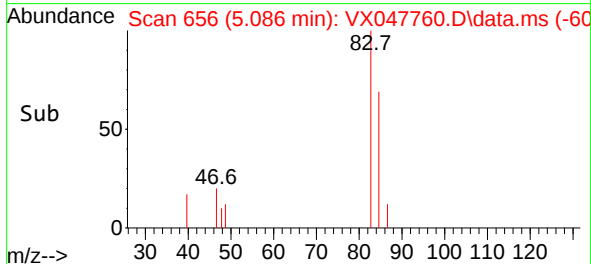
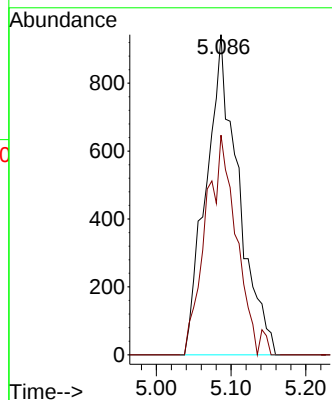
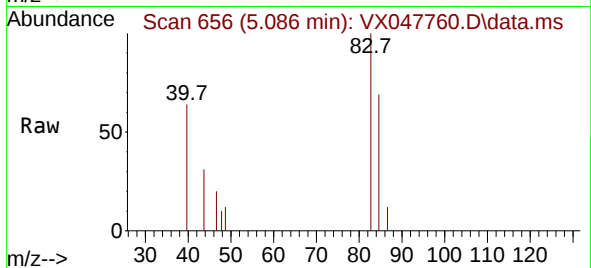
BP-VPB-184-GW-100-102

Tgt Ion: 83 Resp: 2823

Ion Ratio Lower Upper

83 100

85 68.6 51.8 77.6



#31

Cyclohexane

Concen: 1.054 ug/l

RT: 5.531 min Scan# 729

Delta R.T. 0.073 min

Lab File: VX047760.D

Acq: 24 Sep 2025 08:22

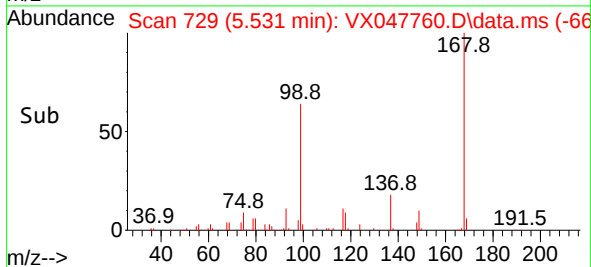
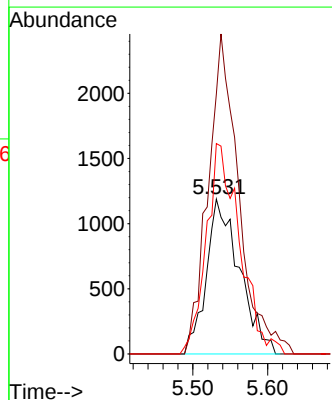
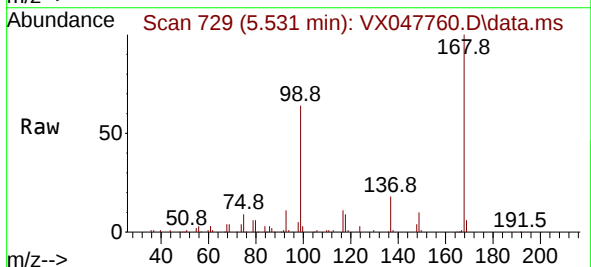
Tgt Ion: 56 Resp: 3668

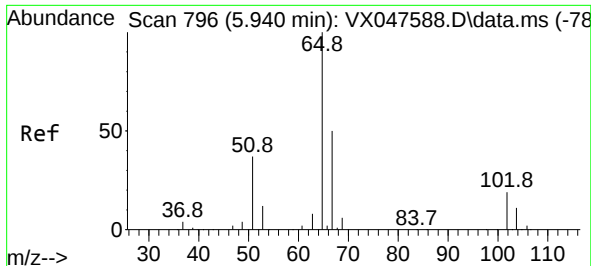
Ion Ratio Lower Upper

56 100

69 159.4 23.8 35.8#

84 129.0 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 56.923 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047760.D

Acq: 24 Sep 2025 08:22

Instrument :

MSVOA_X

ClientSampleId :

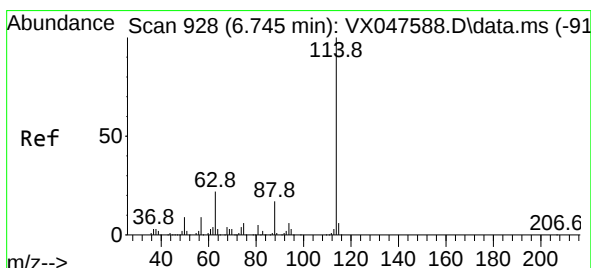
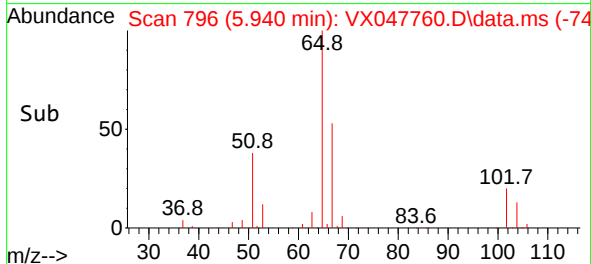
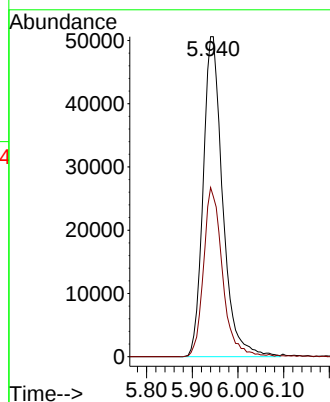
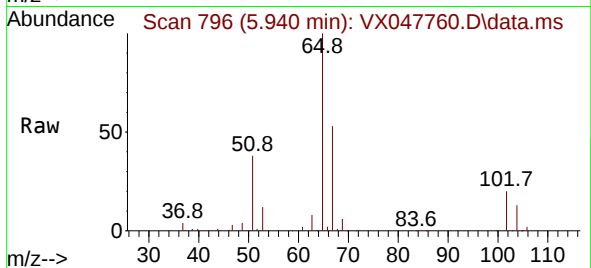
BP-VPB-184-GW-100-102

Tgt Ion: 65 Resp: 149951

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# 928

Delta R.T. -0.000 min

Lab File: VX047760.D

Acq: 24 Sep 2025 08:22

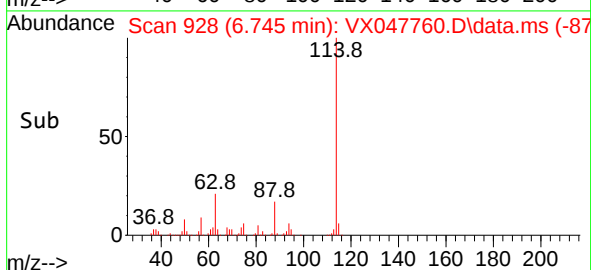
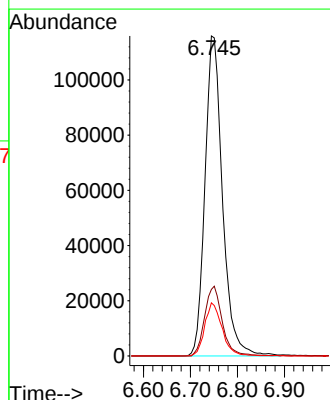
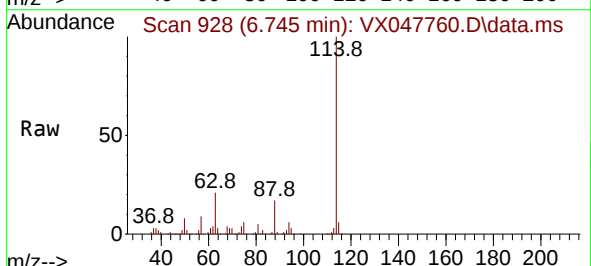
Tgt Ion: 114 Resp: 300349

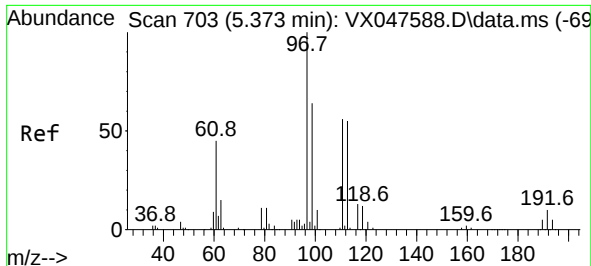
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.0

88 16.6 0.0 34.2

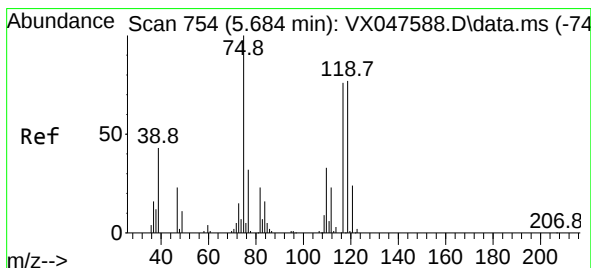
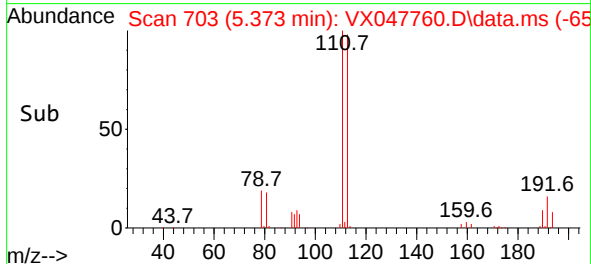
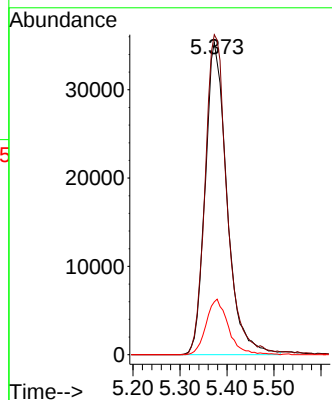
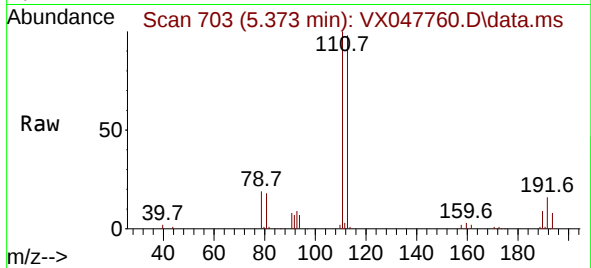




#35
Dibromofluoromethane
Concen: 56.592 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

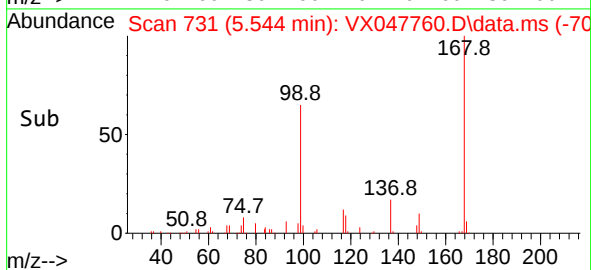
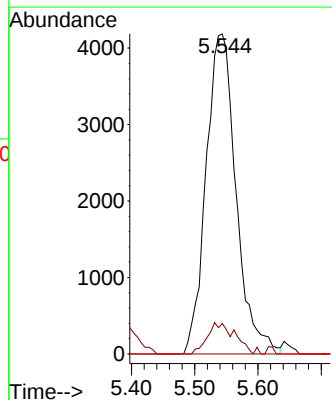
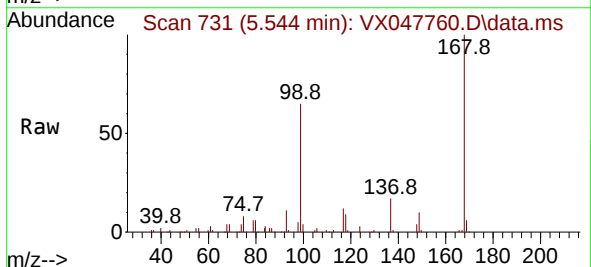
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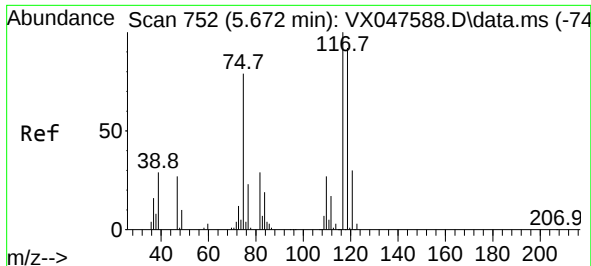
Tgt Ion:113 Resp: 113994
Ion Ratio Lower Upper
113 100
111 103.3 80.9 121.3
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

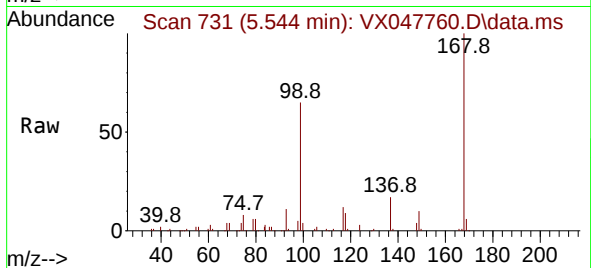
Tgt Ion: 75 Resp: 13789
Ion Ratio Lower Upper
75 100
110 8.9 16.7 50.1#
77 0.0 24.3 36.5#



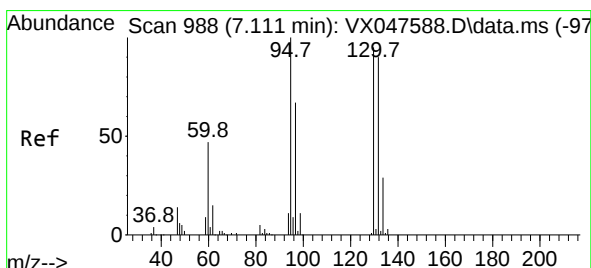
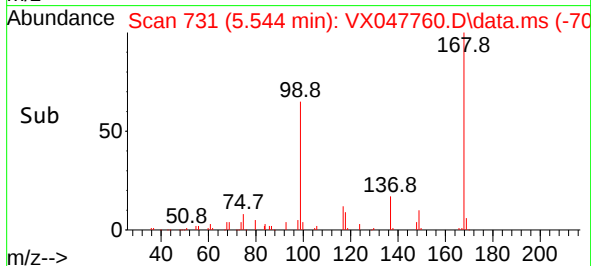
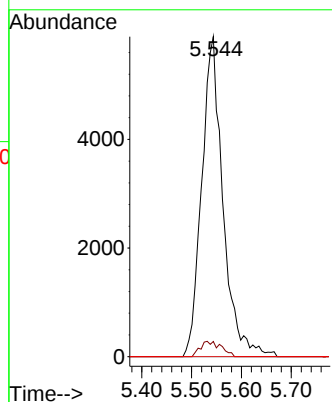


#38
Carbon Tetrachloride
Concen: 5.459 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

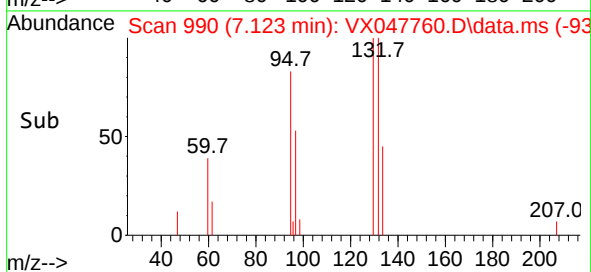
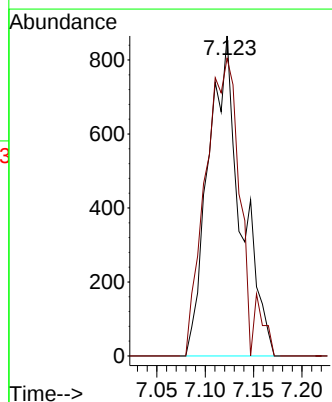
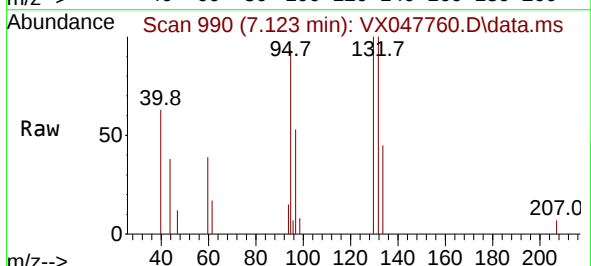


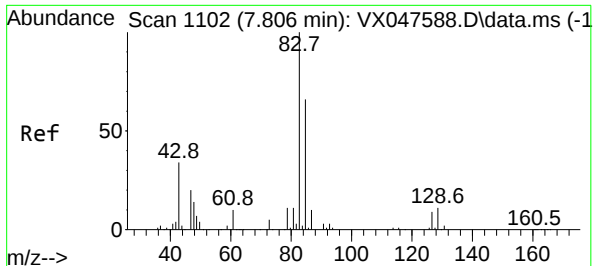
Tgt Ion:117 Resp: 17458
Ion Ratio Lower Upper
117 100
119 4.7 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.936 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion:130 Resp: 2022
Ion Ratio Lower Upper
130 100
95 93.1 0.0 210.8

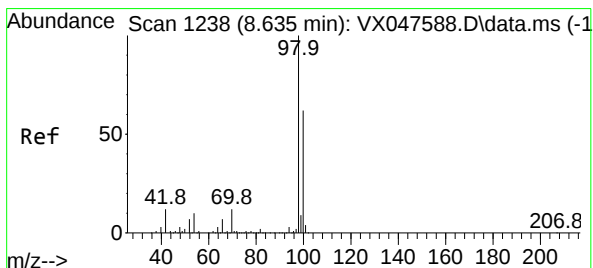
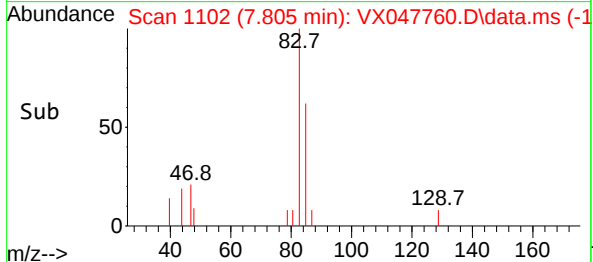
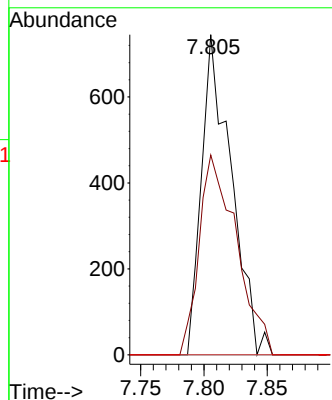
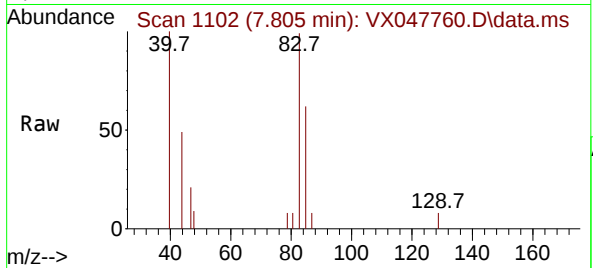




#47
Bromodichloromethane
Concen: 0.354 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

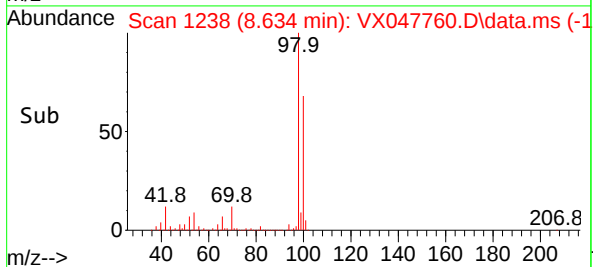
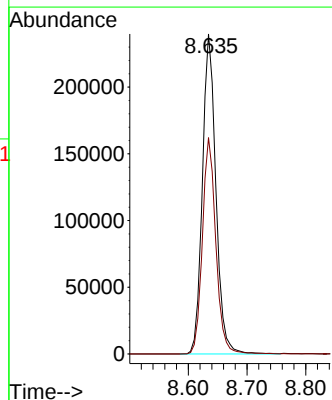
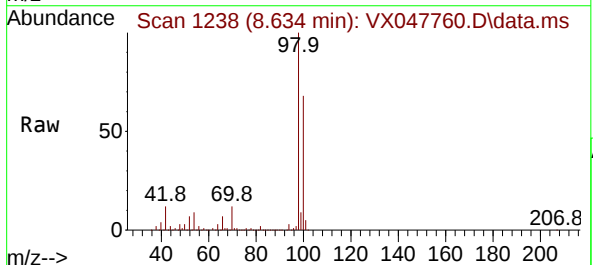
Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-GW-100-102

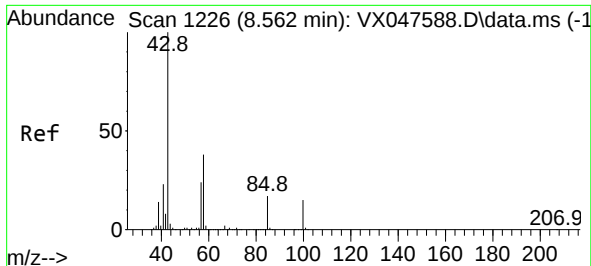
Tgt Ion: 83 Resp: 1217
Ion Ratio Lower Upper
83 100
85 62.4 52.5 78.7
127 0.0 6.9 10.3#



#50
Toluene-d8
Concen: 54.995 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 98 Resp: 383307
Ion Ratio Lower Upper
98 100
100 67.3 53.0 79.4

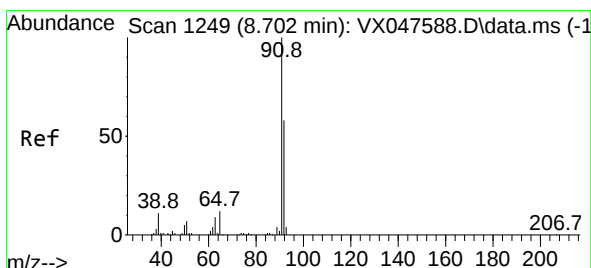
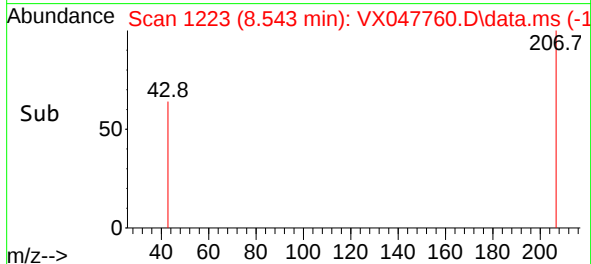
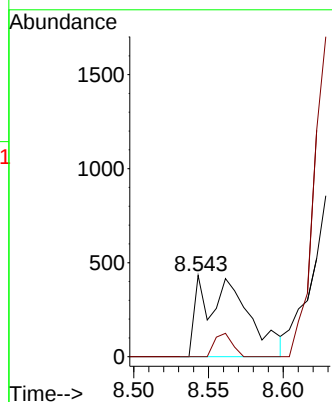
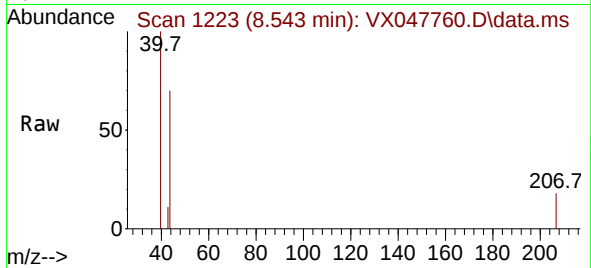




#51
4-Methyl-2-Pentanone
Concen: 0.313 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

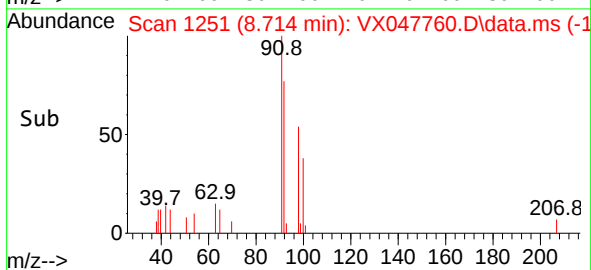
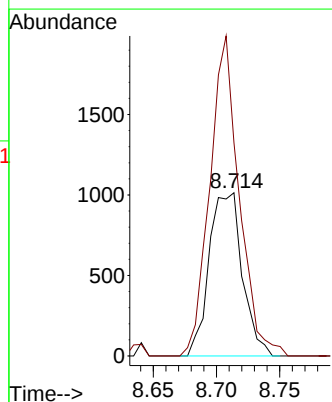
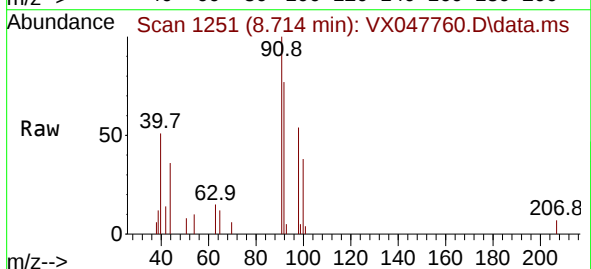
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

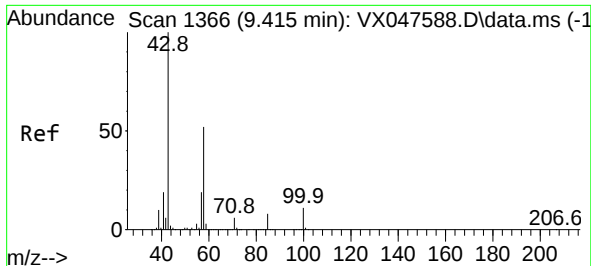
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 0.0 30.3 45.5#



#52
Toluene
Concen: 0.335 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.012 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 92 Resp: 1845
Ion Ratio Lower Upper
92 100
91 174.4 137.1 205.7

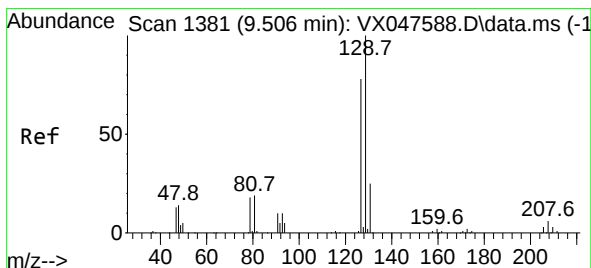
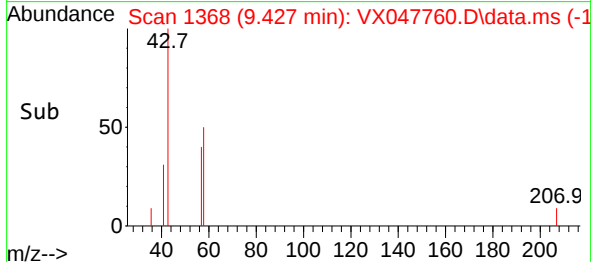
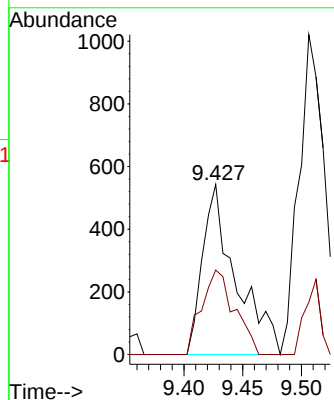
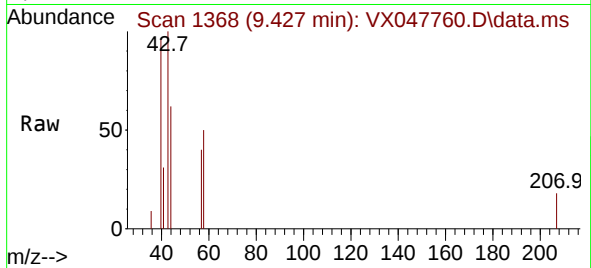




#59
2-Hexanone
Concen: 0.521 ug/l
RT: 9.427 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

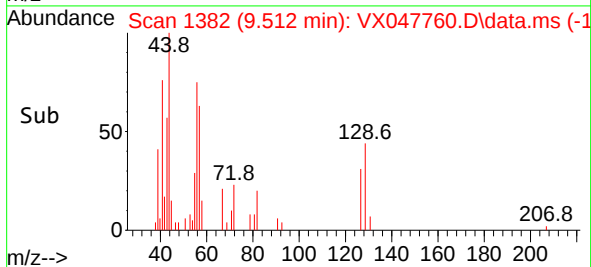
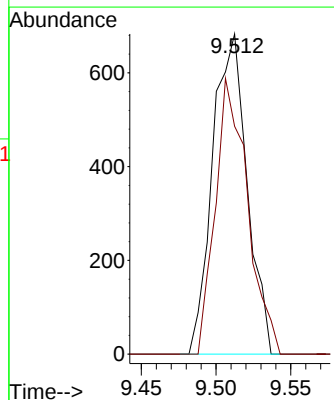
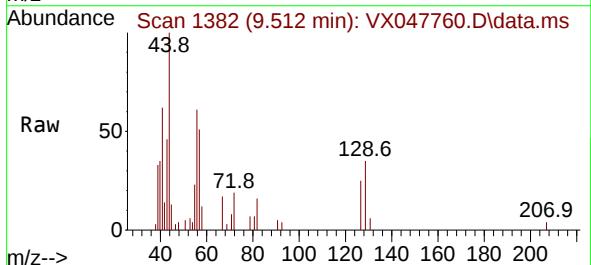
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

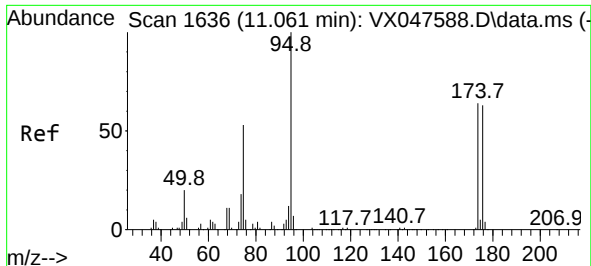
Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
58 49.1 26.1 78.2



#60
Dibromochloromethane
Concen: 0.447 ug/l
RT: 9.512 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 129 Resp: 1095
Ion Ratio Lower Upper
129 100
127 80.3 38.4 115.2

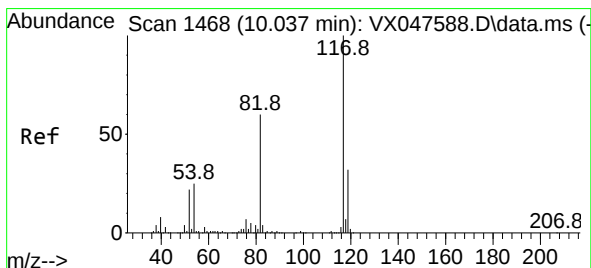
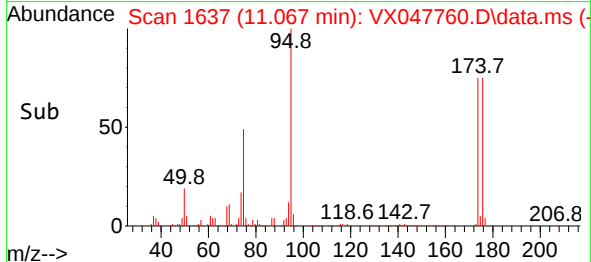
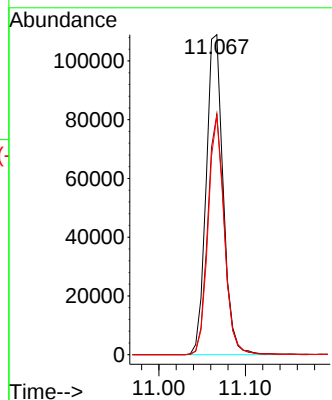
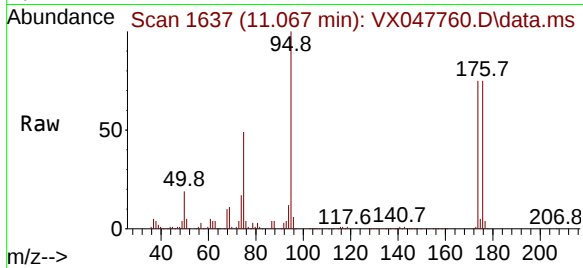




#62
4-Bromofluorobenzene
Concen: 56.246 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

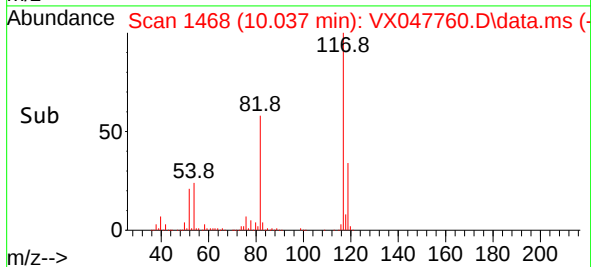
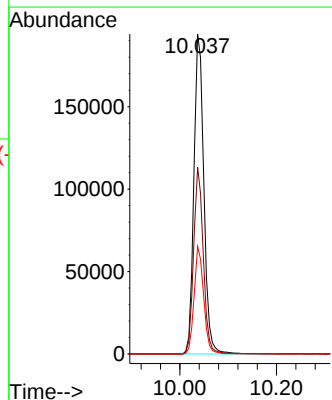
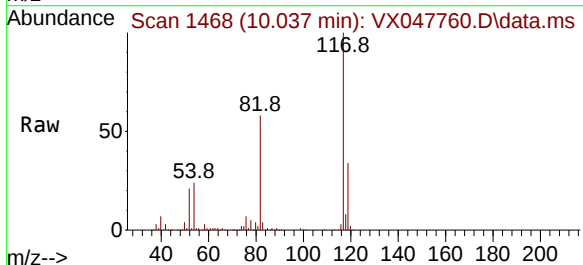
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

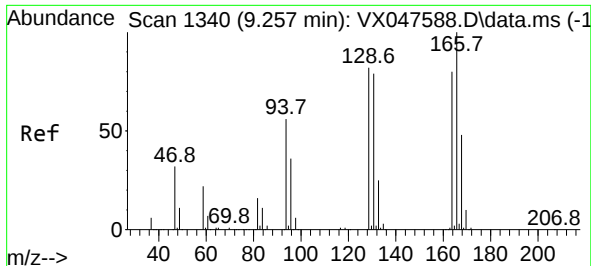
Tgt Ion: 95 Resp: 148783
Ion Ratio Lower Upper
95 100
174 73.1 0.0 141.6
176 70.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 117 Resp: 276860
Ion Ratio Lower Upper
117 100
82 58.3 47.8 71.6
119 33.6 25.2 37.8

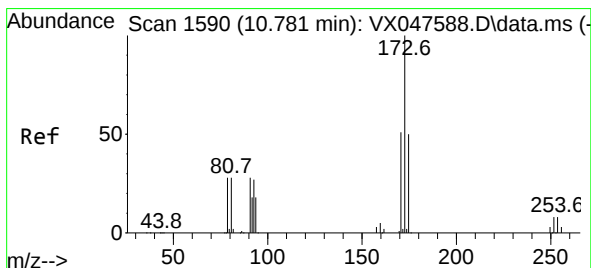
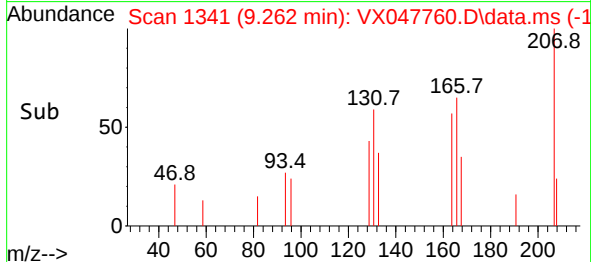
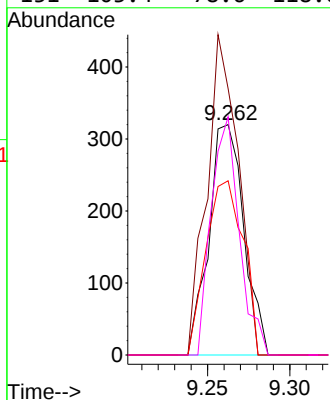
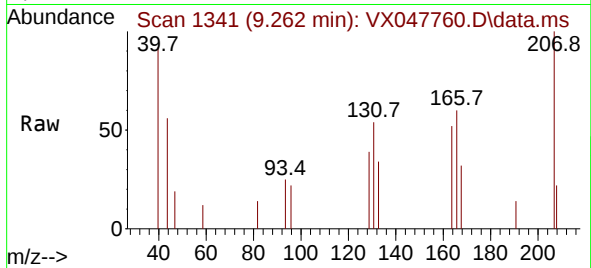




#64
Tetrachloroethene
Concen: 0.263 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

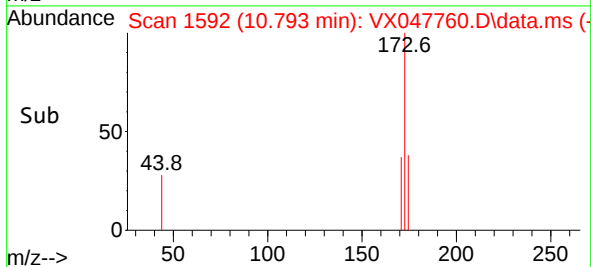
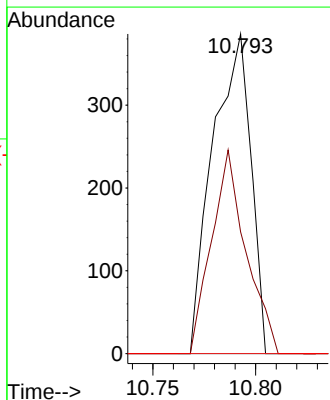
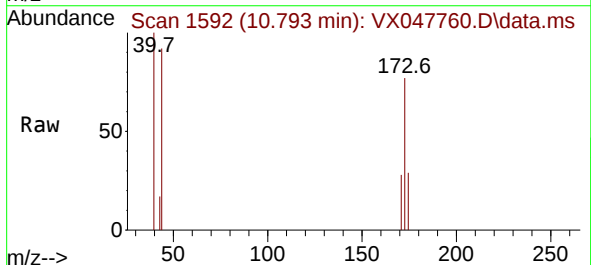
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

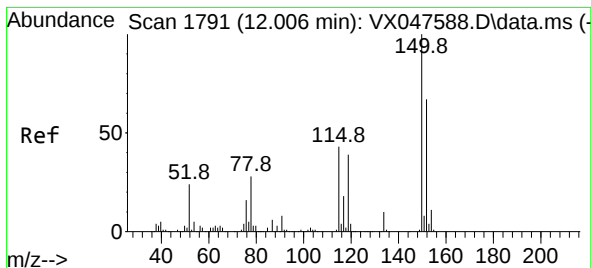
Tgt Ion:164 Resp: 474
Ion Ratio Lower Upper
164 100
166 115.6 100.2 150.2
129 75.6 81.8 122.6#
131 103.4 78.6 118.0



#71
Bromoform
Concen: 0.306 ug/l
RT: 10.793 min Scan# 1592
Delta R.T. 0.012 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion:173 Resp: 496
Ion Ratio Lower Upper
173 100
175 57.9 24.9 74.6
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047760.D

Acq: 24 Sep 2025 08:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-100-102

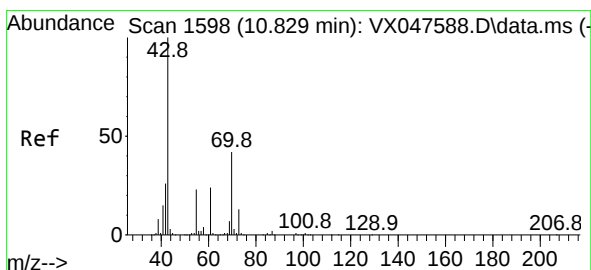
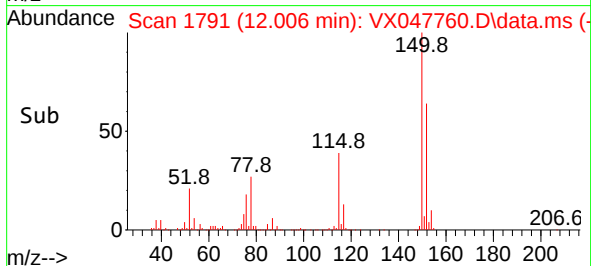
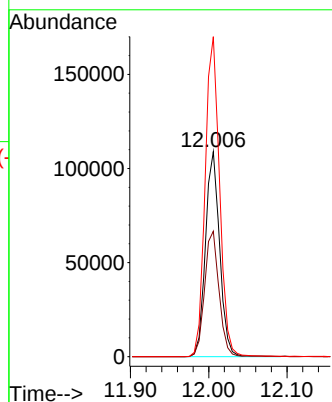
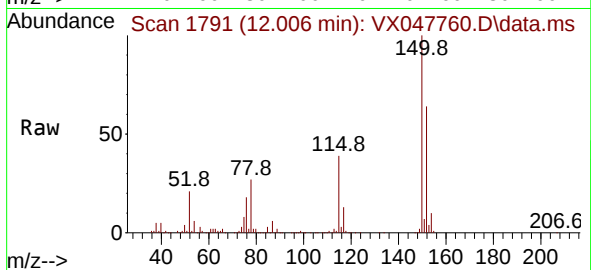
Tgt Ion:152 Resp: 136496

Ion Ratio Lower Upper

152 100

115 62.6 44.9 134.5

150 159.0 0.0 352.0



#74

N-ethyl acetate

Concen: 0.284 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.012 min

Lab File: VX047760.D

Acq: 24 Sep 2025 08:22

Tgt Ion: 43 Resp: 1346

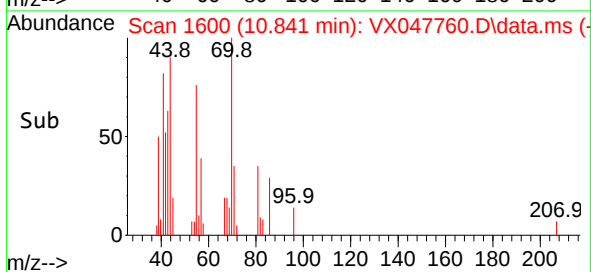
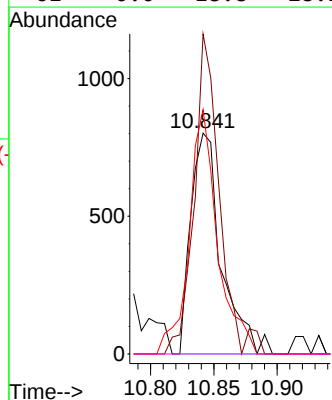
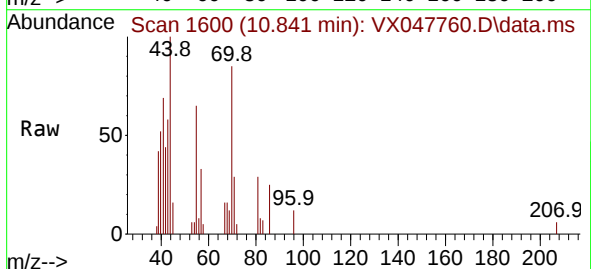
Ion Ratio Lower Upper

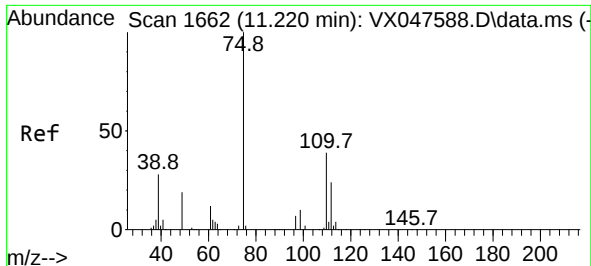
43 100

70 119.9 32.0 48.0#

55 103.1 18.9 28.3#

61 0.0 18.8 28.2#

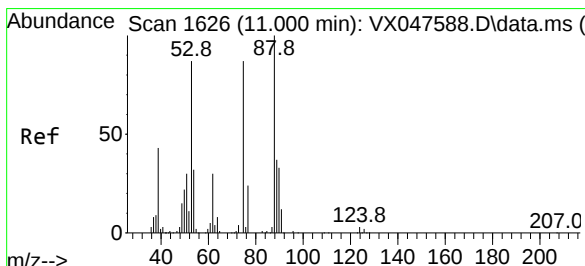
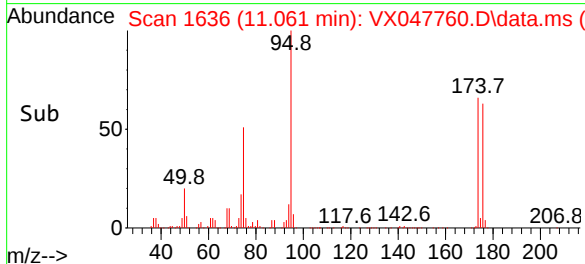
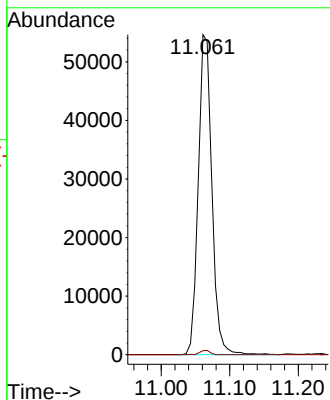
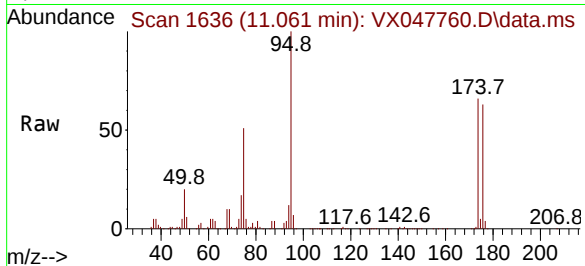




#76
1,2,3-Trichloropropane
Concen: 27.383 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-100-102

Tgt Ion: 75 Resp: 75675
Ion Ratio Lower Upper
75 100
77 1.0 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.829 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 75 Resp: 75675
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

