

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048109.D
 Acq On : 10 Oct 2025 14:12
 Operator : JC/MD
 Sample : Q3324-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-840-842

Quant Time: Oct 10 23:48:28 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)

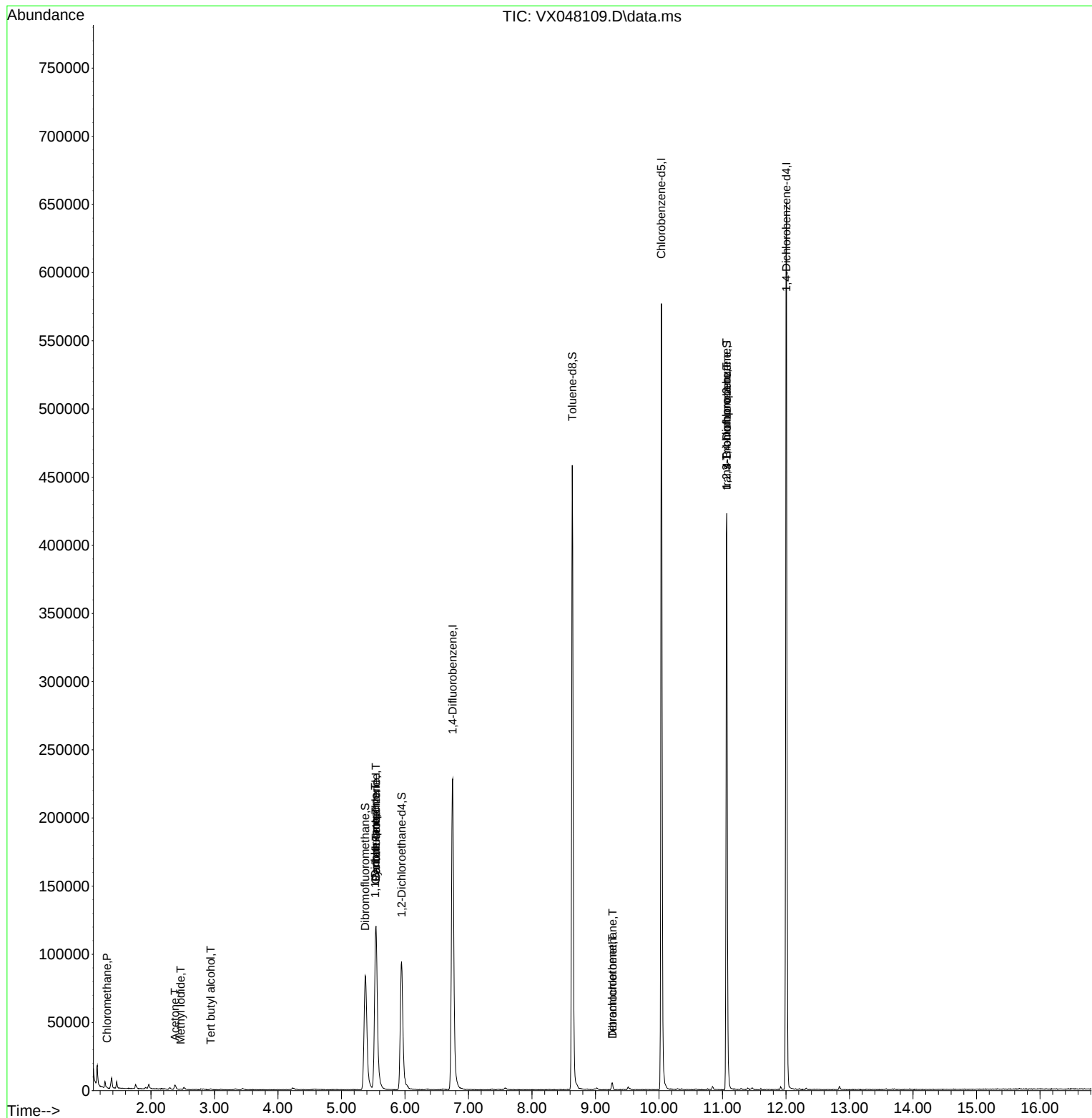
Internal Standards						
1) Pentafluorobenzene	5.544	168	120601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	248505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	136698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	102294	53.287	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.580%	
35) Dibromofluoromethane	5.373	113	83685	50.213	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.420%	
50) Toluene-d8	8.635	98	278924	48.367	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.740%	
62) 4-Bromofluorobenzene	11.067	95	123457	56.409	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	417	0.254	ug/l #	82
10) Methyl Iodide	2.465	142	519	0.239	ug/l #	85
11) Tert butyl alcohol	2.941	59	112	0.524	ug/l #	72
16) Acetone	2.380	43	4907	5.879	ug/l	95
31) Cyclohexane	5.538	56	3033	1.196	ug/l #	20
36) 1,1-Dichloropropene	5.532	75	10308	4.233	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13056	4.934	ug/l #	17
60) Dibromochloromethane	9.269	129	1052	0.520	ug/l #	11
64) Tetrachloroethene	9.263	164	932	0.546	ug/l	90
76) 1,2,3-Trichloropropane	11.061	75	65702	23.739	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	65702	60.537	ug/l #	8

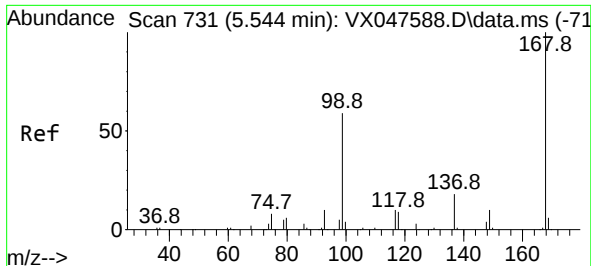
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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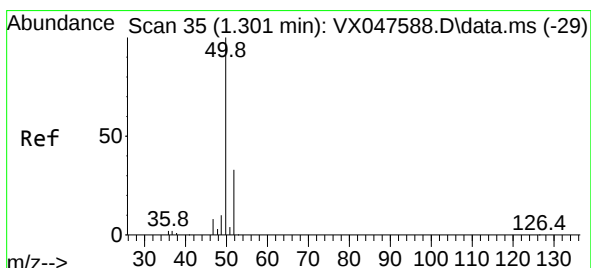
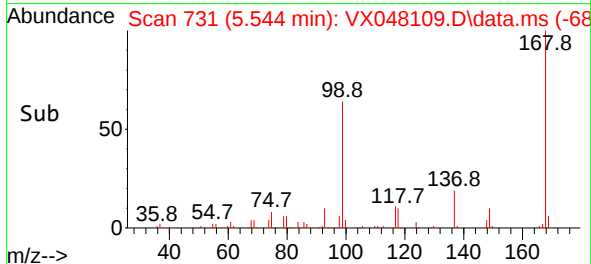
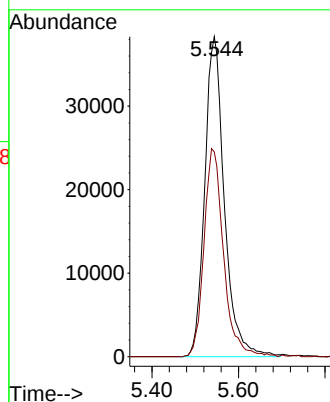
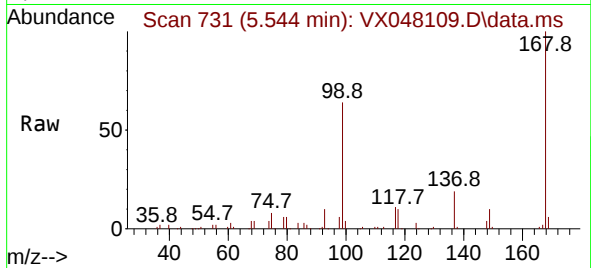




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

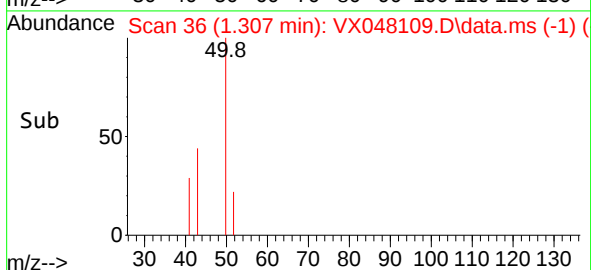
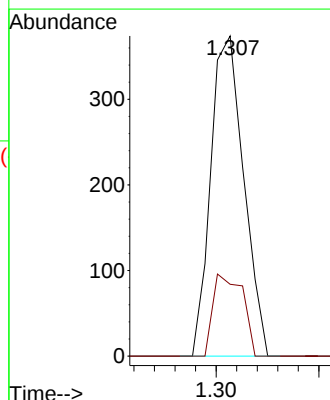
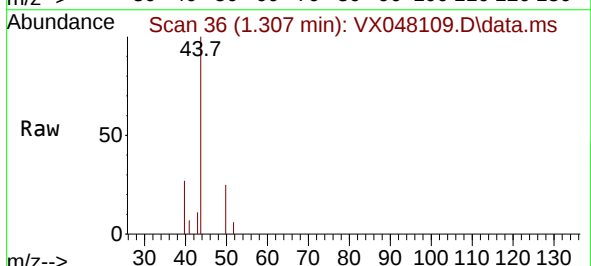
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-840-842

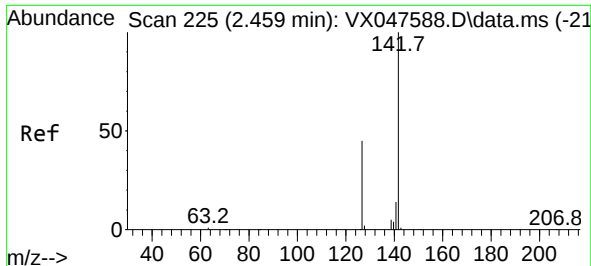
Tgt Ion:168 Resp: 120601
Ion Ratio Lower Upper
168 100
99 64.0 48.8 73.2



#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 22.5 26.1 39.1#





#10

Methyl Iodide

Concen: 0.239 ug/l

RT: 2.465 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048109.D

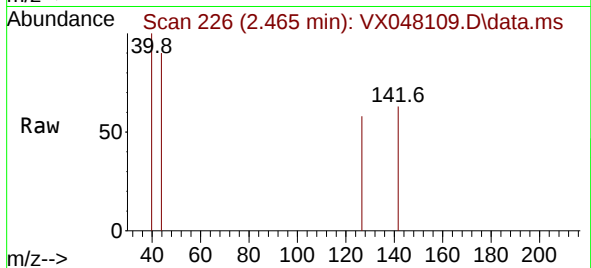
Acq: 10 Oct 2025 14:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-840-842



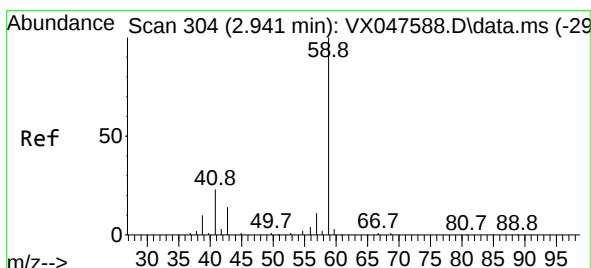
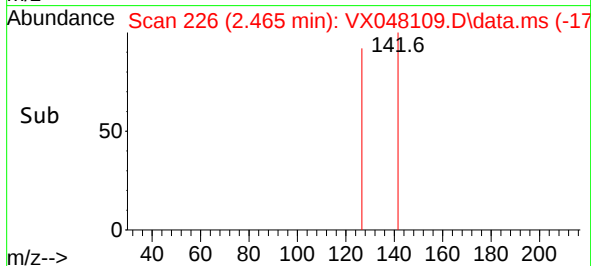
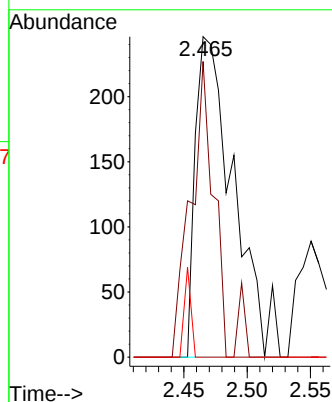
Tgt Ion:142 Resp: 519

Ion Ratio Lower Upper

142 100

127 54.7 37.2 55.8

141 4.8 11.4 17.0#



#11

Tert butyl alcohol

Concen: 0.524 ug/l

RT: 2.941 min Scan# 304

Delta R.T. 0.000 min

Lab File: VX048109.D

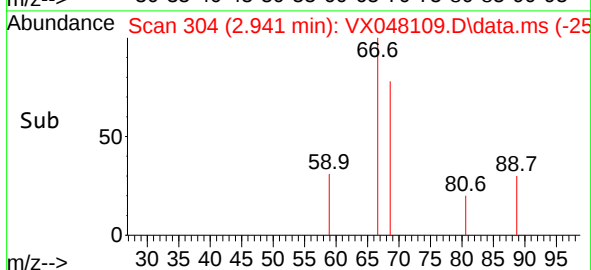
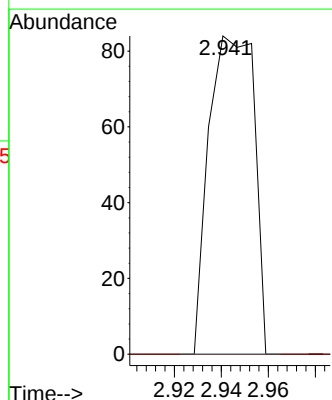
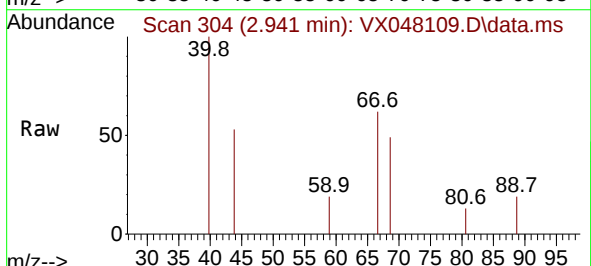
Acq: 10 Oct 2025 14:12

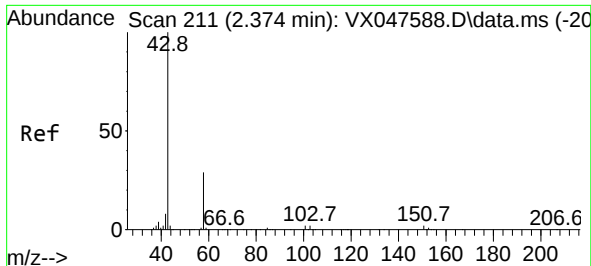
Tgt Ion: 59 Resp: 112

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

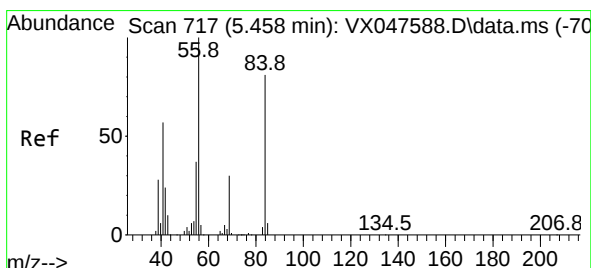
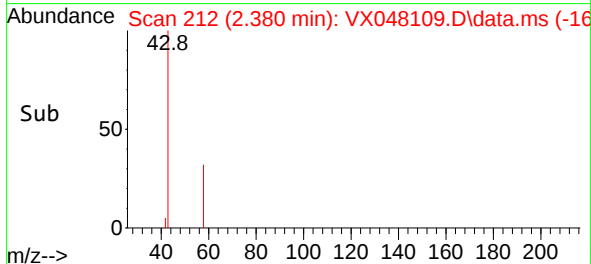
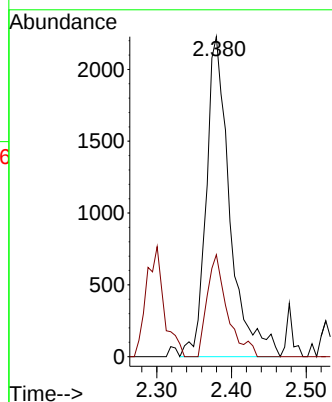
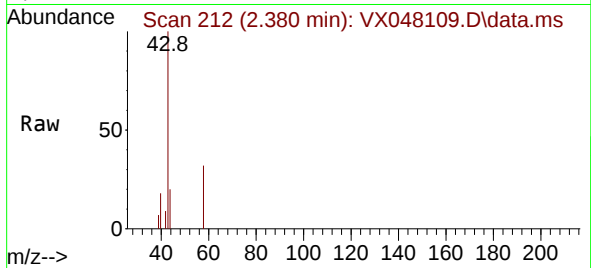




#16
Acetone
Concen: 5.879 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

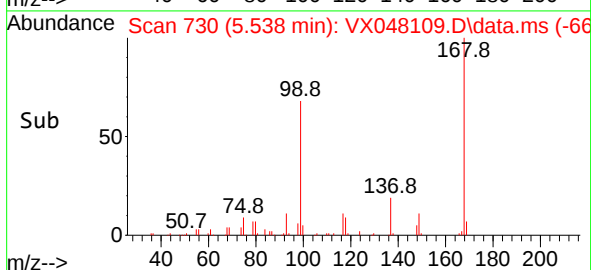
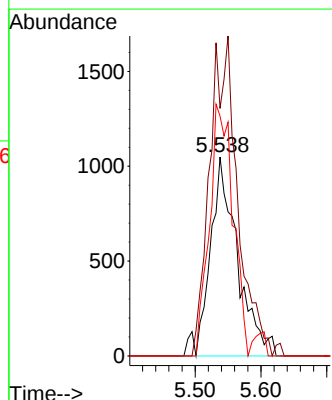
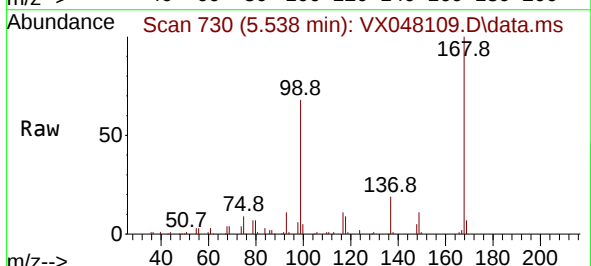
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-840-842

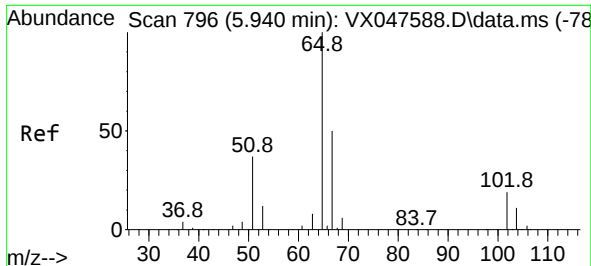
Tgt Ion: 43 Resp: 4907
Ion Ratio Lower Upper
43 100
58 26.5 23.4 35.0



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

Tgt Ion: 56 Resp: 3033
Ion Ratio Lower Upper
56 100
69 124.5 23.8 35.8#
84 120.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.287 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048109.D

Acq: 10 Oct 2025 14:12

Instrument :

MSVOA_X

ClientSampleId :

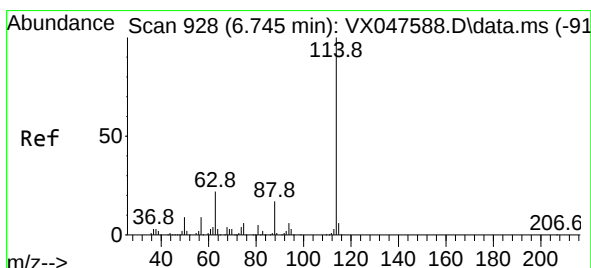
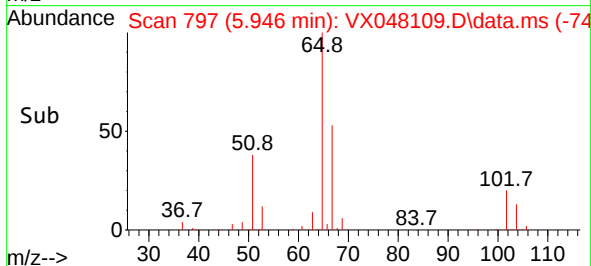
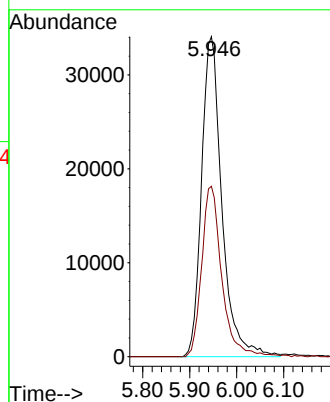
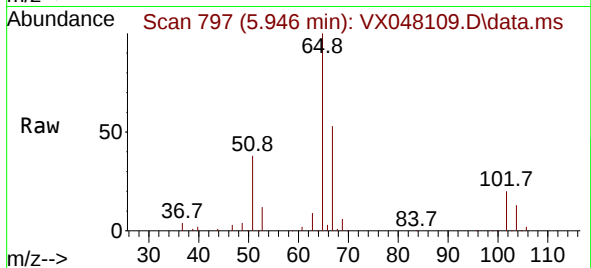
BP-VPB-184-GW-840-842

Tgt Ion: 65 Resp: 102294

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048109.D

Acq: 10 Oct 2025 14:12

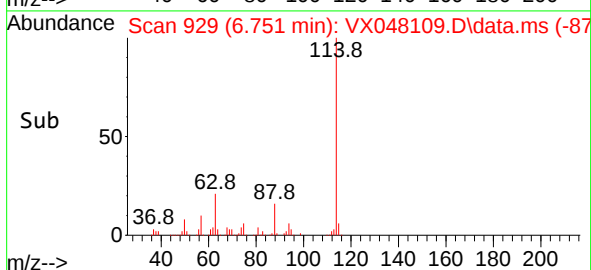
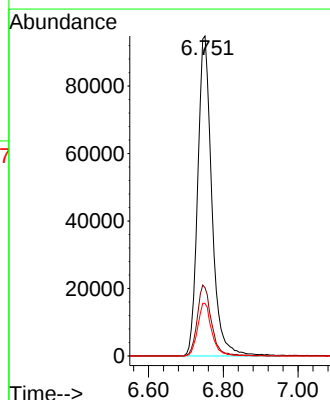
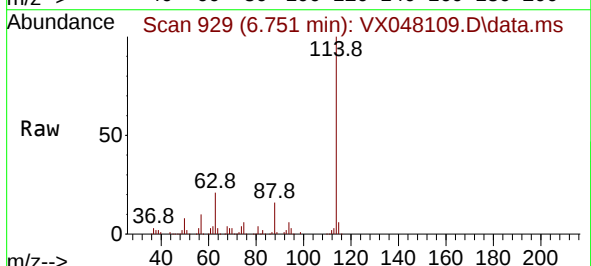
Tgt Ion: 114 Resp: 248505

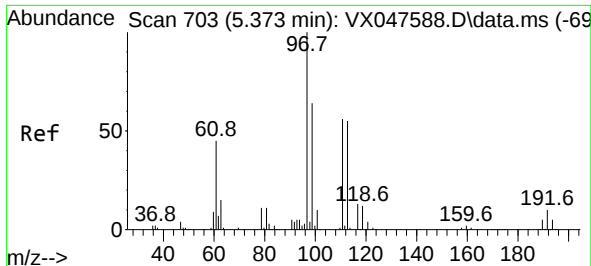
Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.0

88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.213 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048109.D

Acq: 10 Oct 2025 14:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-840-842

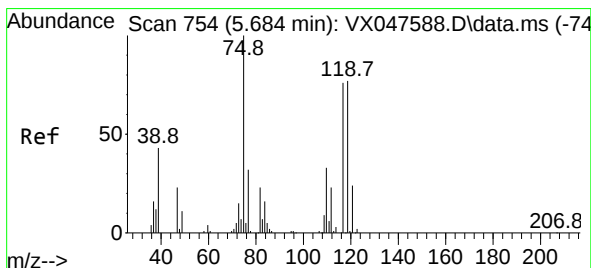
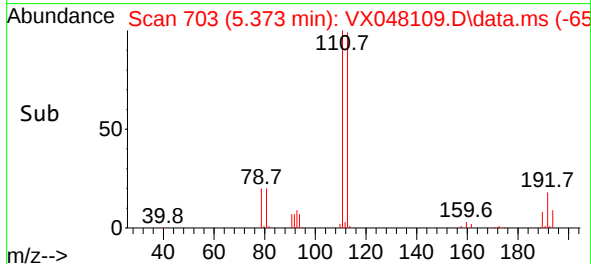
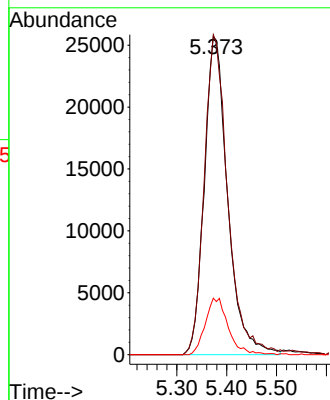
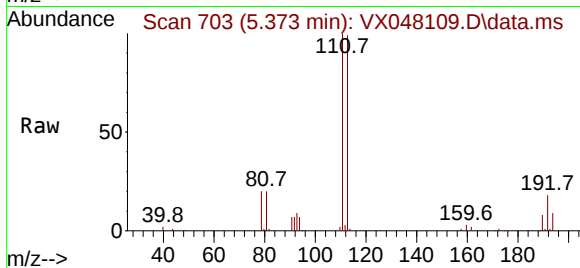
Tgt Ion:113 Resp: 83685

Ion Ratio Lower Upper

113 100

111 101.7 80.9 121.3

192 17.4 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.233 ug/l

RT: 5.532 min Scan# 729

Delta R.T. -0.152 min

Lab File: VX048109.D

Acq: 10 Oct 2025 14:12

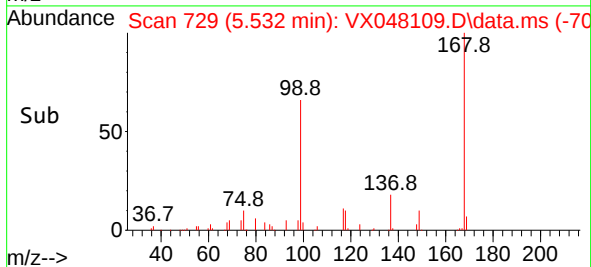
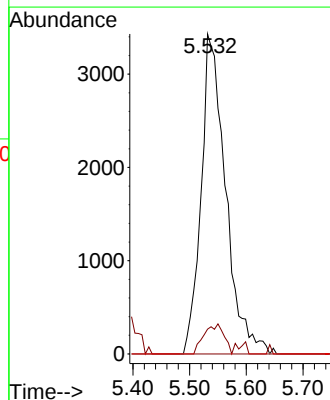
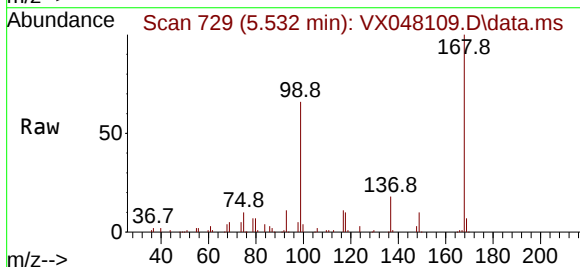
Tgt Ion: 75 Resp: 10308

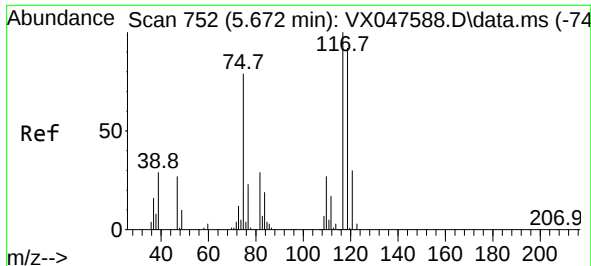
Ion Ratio Lower Upper

75 100

110 7.7 16.7 50.1#

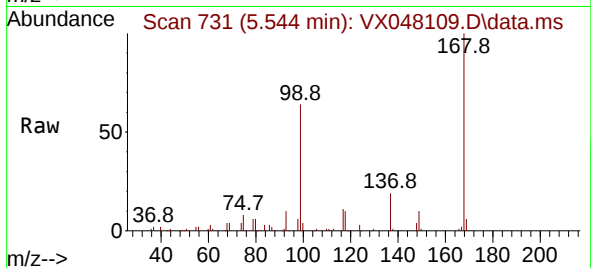
77 0.0 24.3 36.5#



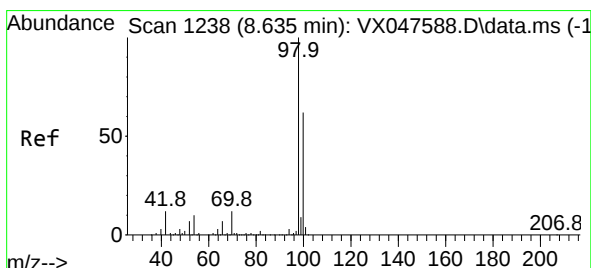
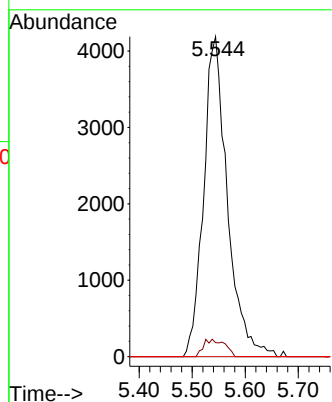
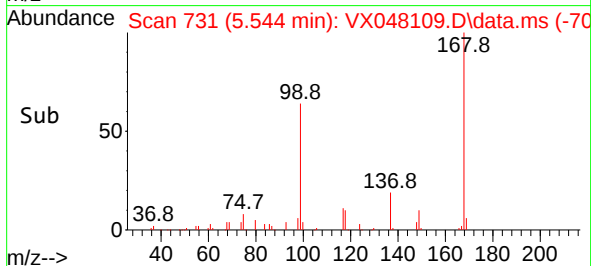


#38
Carbon Tetrachloride
Concen: 4.934 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

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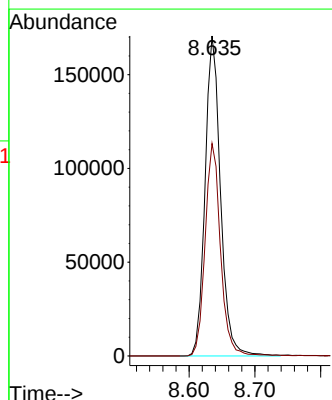
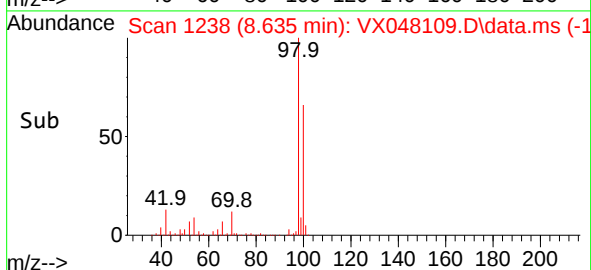
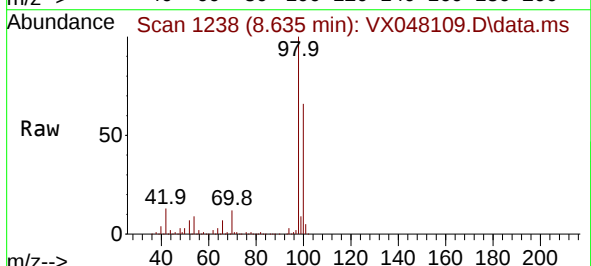


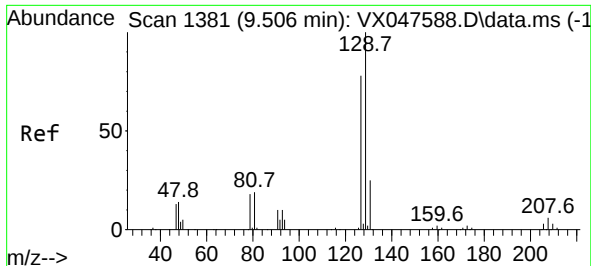
Tgt Ion:117 Resp: 13056
Ion Ratio Lower Upper
117 100
119 4.4 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.367 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

Tgt Ion: 98 Resp: 278924
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4

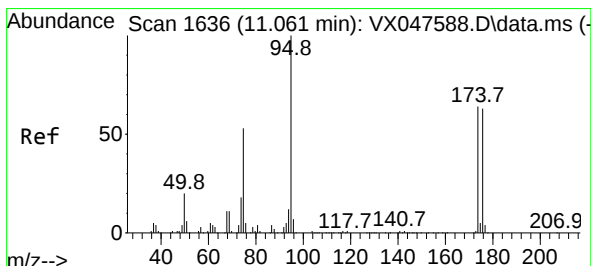
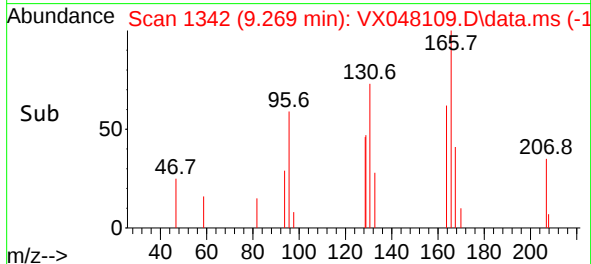
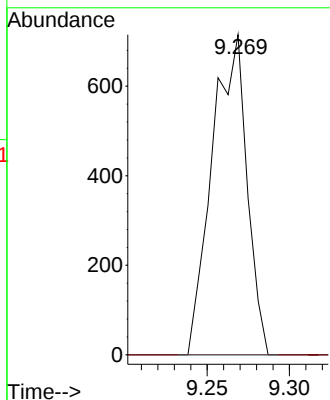
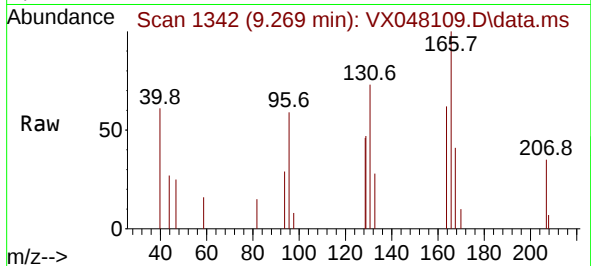




#60
Dibromochloromethane
Concen: 0.520 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

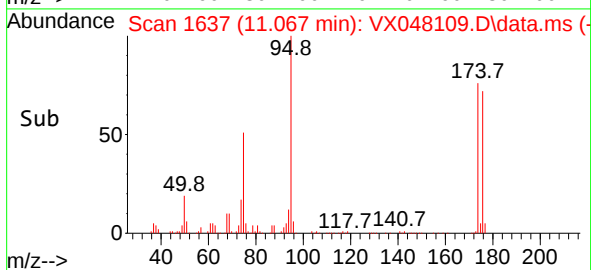
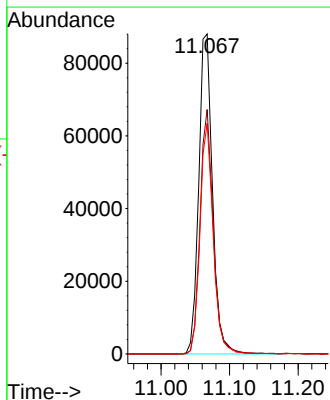
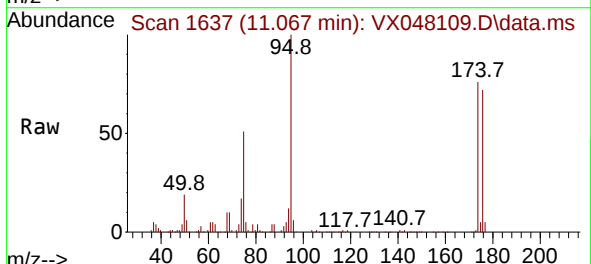
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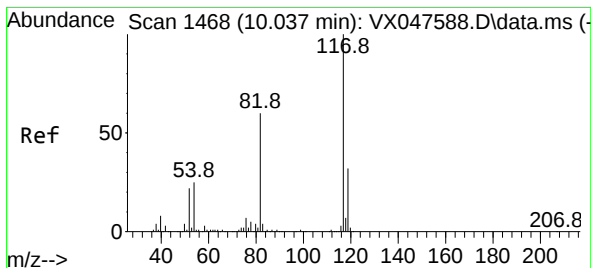
Tgt Ion:129 Resp: 1052
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 56.409 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

Tgt Ion: 95 Resp: 123457
Ion Ratio Lower Upper
95 100
174 73.3 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: VX048109.D

Acq: 10 Oct 2025 14:12

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-840-842

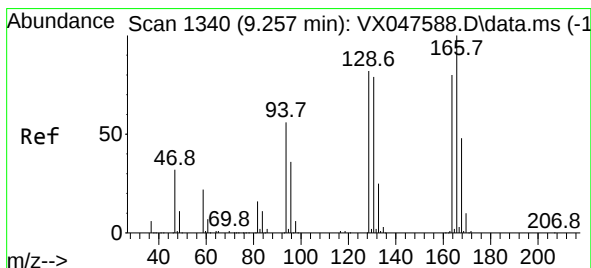
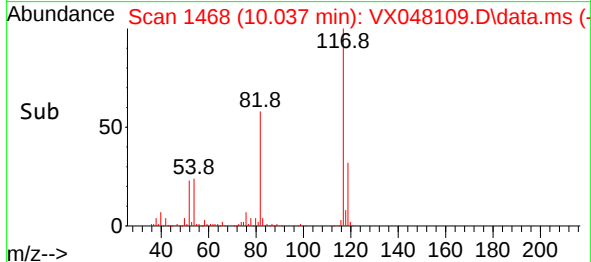
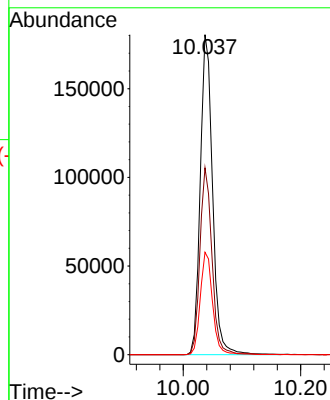
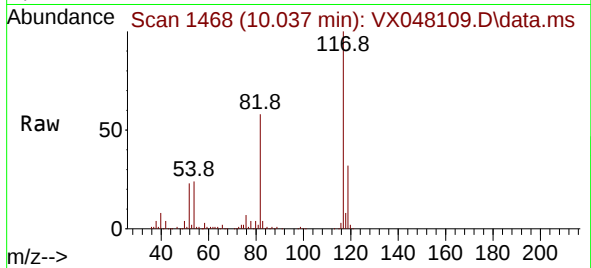
Tgt Ion:117 Resp: 261947

Ion Ratio Lower Upper

117 100

82 58.4 47.8 71.6

119 32.0 25.2 37.8



#64

Tetrachloroethene

Concen: 0.546 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048109.D

Acq: 10 Oct 2025 14:12

Tgt Ion:164 Resp: 932

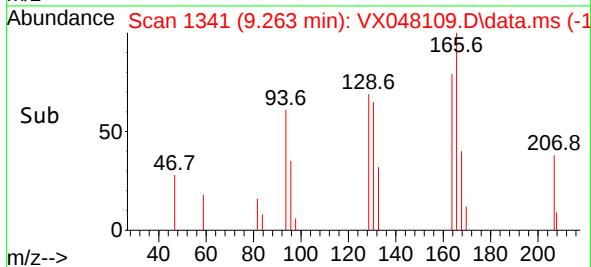
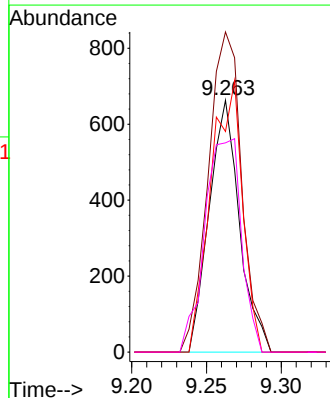
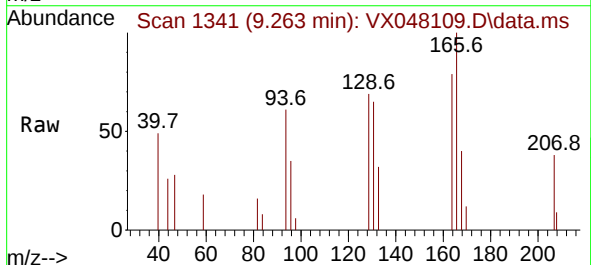
Ion Ratio Lower Upper

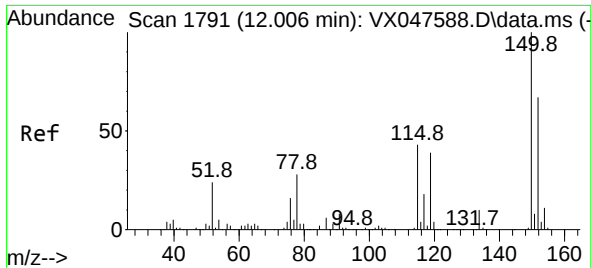
164 100

166 127.1 100.2 150.2

129 87.6 81.8 122.6

131 83.1 78.6 118.0

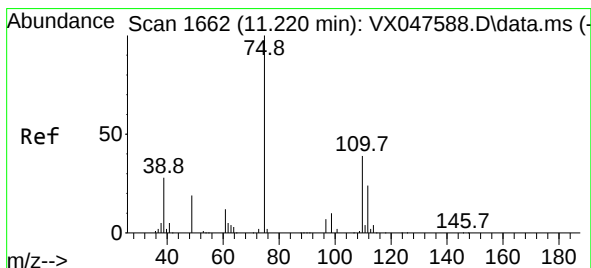
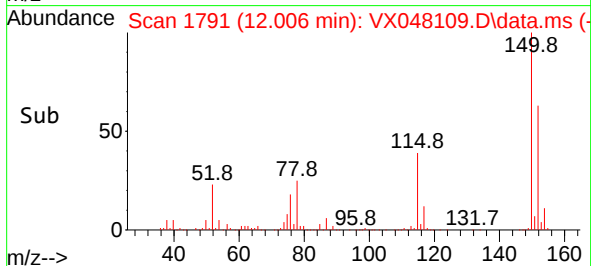
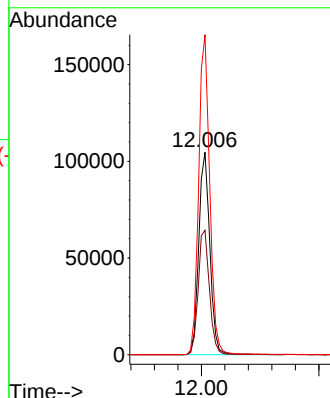
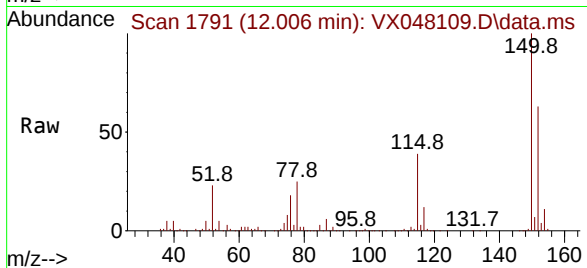




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

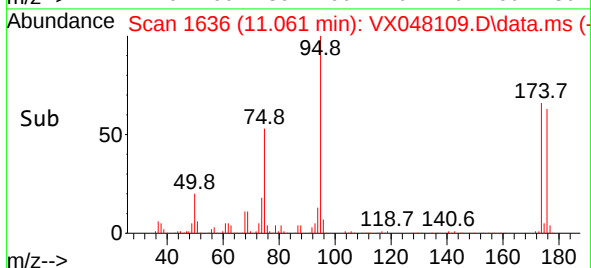
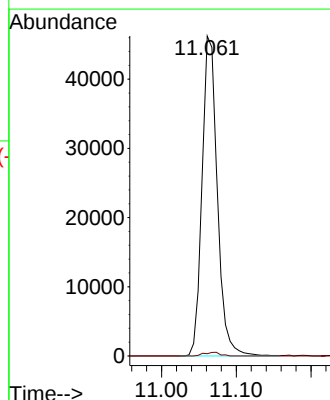
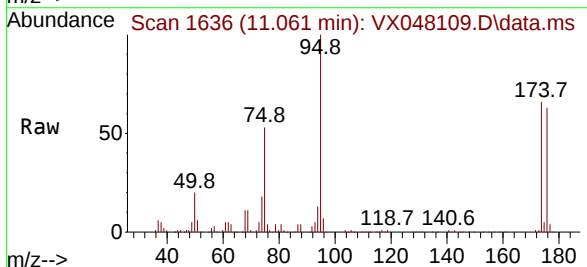
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-840-842

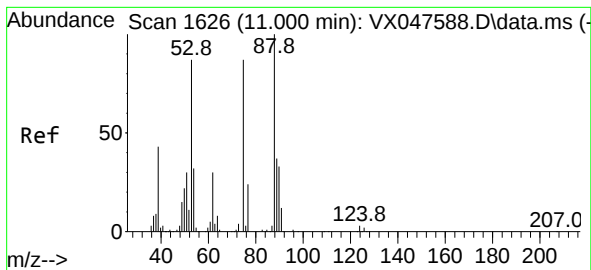
Tgt Ion:152 Resp: 136698
Ion Ratio Lower Upper
152 100
115 62.4 44.9 134.5
150 157.9 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 23.739 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048109.D
Acq: 10 Oct 2025 14:12

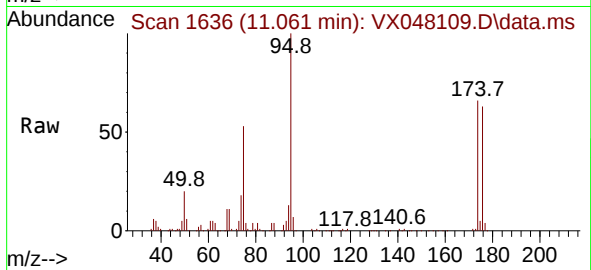
Tgt Ion: 75 Resp: 65702
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.537 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048109.D
 Acq: 10 Oct 2025 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-840-842



Tgt Ion: 75 Resp: 65702
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

