

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048134.D
 Acq On : 13 Oct 2025 12:25
 Operator : JC/MD
 Sample : Q3311-10RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5BA

Quant Time: Oct 14 01:53:01 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

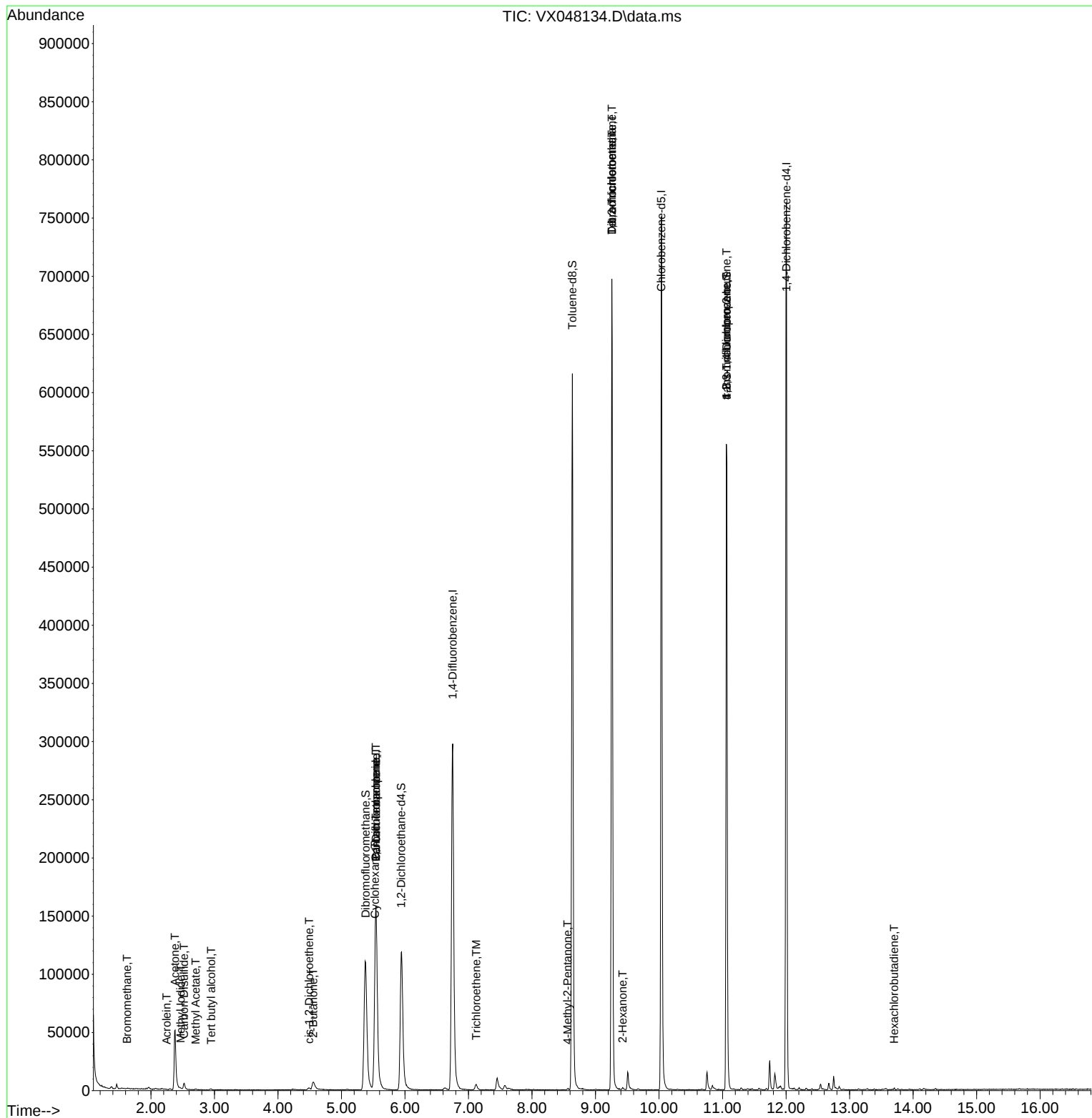
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	158387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	323274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	331796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	163977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	129189	51.243	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	102.480%	
35) Dibromofluoromethane	5.379	113	108295	49.950	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.900%	
50) Toluene-d8	8.635	98	373516	49.790	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	99.580%	
62) 4-Bromofluorobenzene	11.061	95	159213	55.921	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	111.840%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	284	0.212	ug/l #	70
10) Methyl Iodide	2.465	142	706	0.247	ug/l #	98
11) Tert butyl alcohol	2.947	59	174	0.620	ug/l #	72
13) Acrolein	2.246	56	89	0.344	ug/l #	39
16) Acetone	2.380	43	68533	62.519	ug/l	100
17) Carbon Disulfide	2.520	76	3341	0.649	ug/l	96
18) Methyl Acetate	2.703	43	1306	0.535	ug/l #	69
25) 2-Butanone	4.556	43	14658	10.720	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	1315	0.530	ug/l #	7
31) Cyclohexane	5.525	56	3573	1.073	ug/l #	7
36) 1,1-Dichloropropene	5.544	75	13361	4.217	ug/l #	49
38) Carbon Tetrachloride	5.544	117	16758	4.869	ug/l #	19
44) Trichloroethene	7.123	130	2166	0.931	ug/l	79
51) 4-Methyl-2-Pentanone	8.561	43	957	0.310	ug/l #	65
55) 1,1,2-Trichloroethane	9.256	97	1495	0.654	ug/l #	1
59) 2-Hexanone	9.427	43	1597	0.721	ug/l	87
60) Dibromochloromethane	9.256	129	128082	48.629	ug/l #	11
64) Tetrachloroethene	9.256	164	130759	60.454	ug/l	99
76) 1,2,3-Trichloropropane	11.061	75	85176	25.655	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	85176	65.425	ug/l #	8
94) Hexachlorobutadiene	13.701	225	248	0.207	ug/l	92

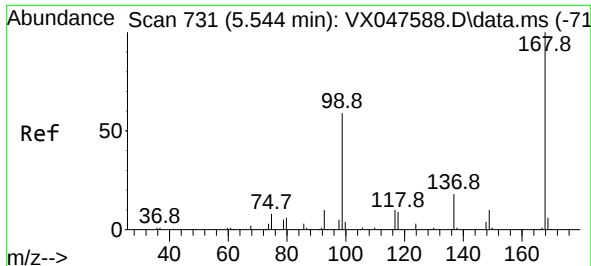
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
Data File : VX048134.D
Acq On : 13 Oct 2025 12:25
Operator : JC/MD
Sample : Q3311-10RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

Quant Time: Oct 14 01:53:01 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

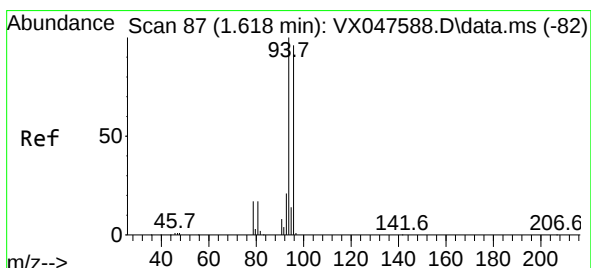
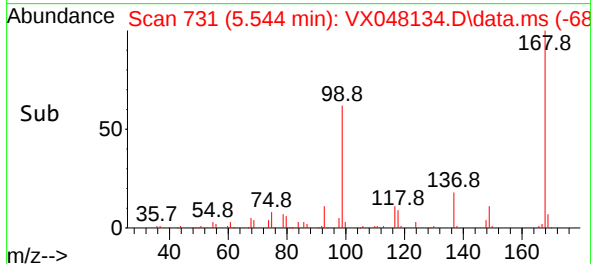
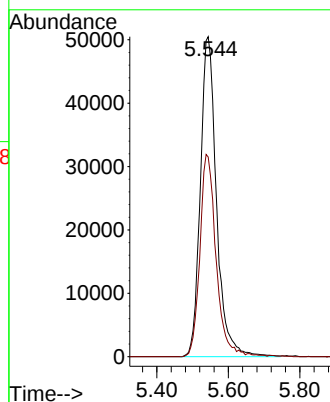
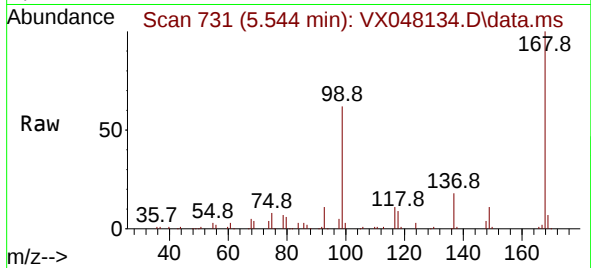




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

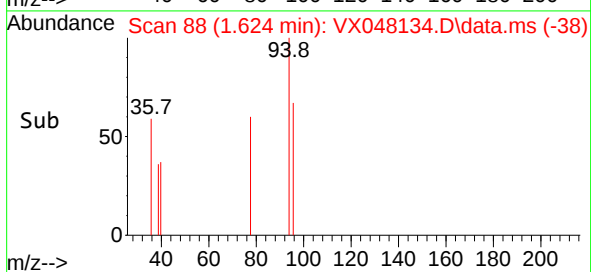
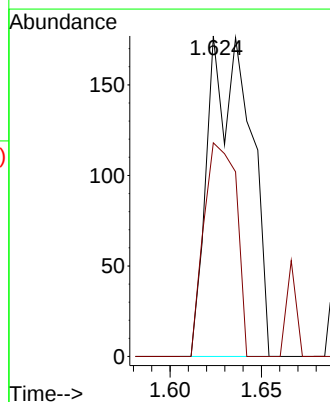
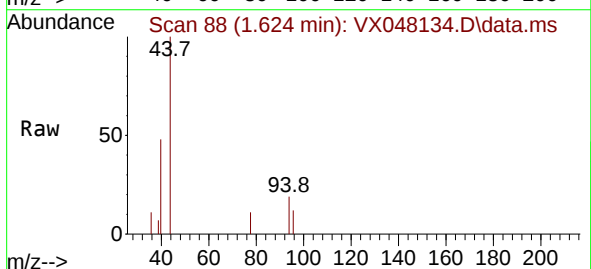
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

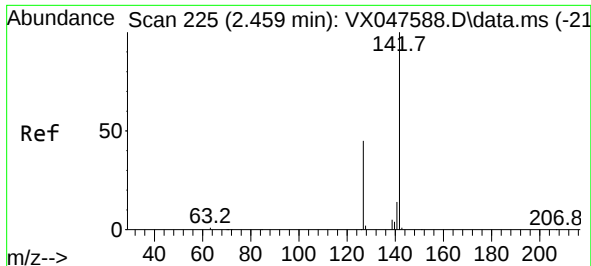
Tgt Ion:168 Resp: 158387
Ion Ratio Lower Upper
168 100
99 62.4 48.8 73.2



#5
Bromomethane
Concen: 0.212 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion: 94 Resp: 284
Ion Ratio Lower Upper
94 100
96 66.7 76.6 115.0#





#10

Methyl Iodide

Concen: 0.247 ug/l

RT: 2.465 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048134.D

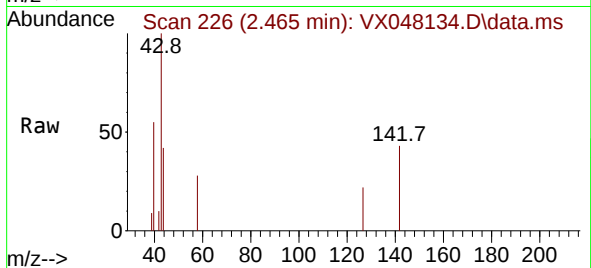
Acq: 13 Oct 2025 12:25

Instrument :

MSVOA_X

ClientSampleId :

MW-5BA



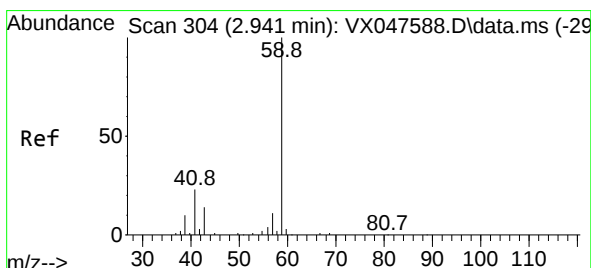
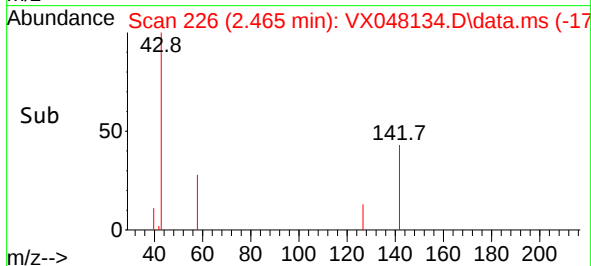
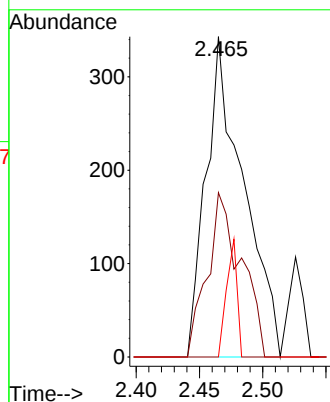
Tgt Ion:142 Resp: 706

Ion Ratio Lower Upper

142 100

127 46.5 37.2 55.8

141 10.2 11.4 17.0#



#11

Tert butyl alcohol

Concen: 0.620 ug/l

RT: 2.947 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX048134.D

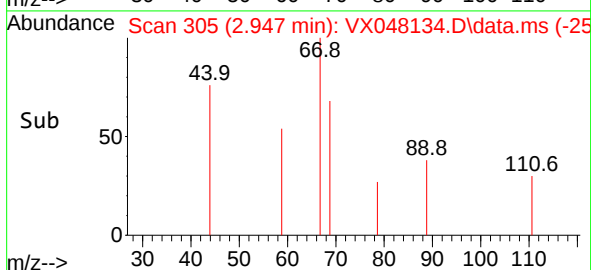
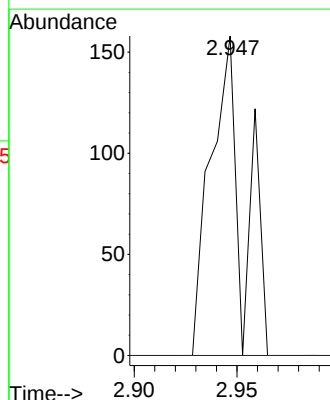
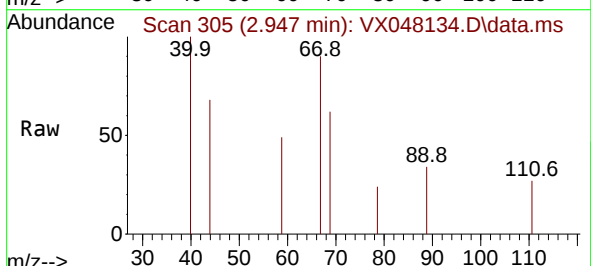
Acq: 13 Oct 2025 12:25

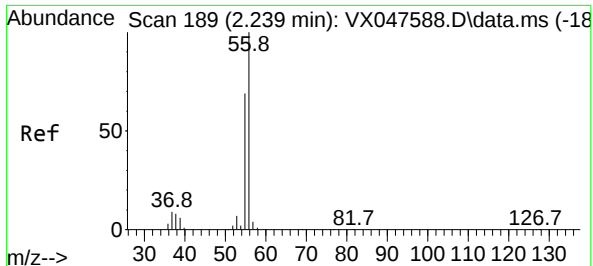
Tgt Ion: 59 Resp: 174

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

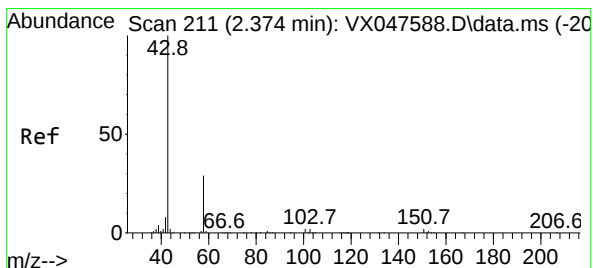
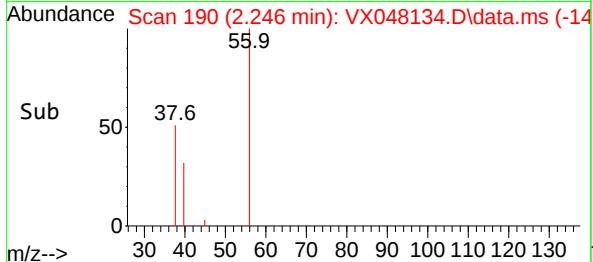
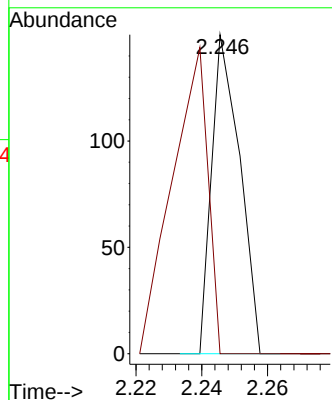
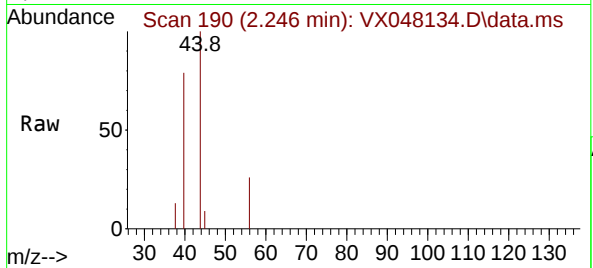




#13
Acrolein
Concen: 0.344 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

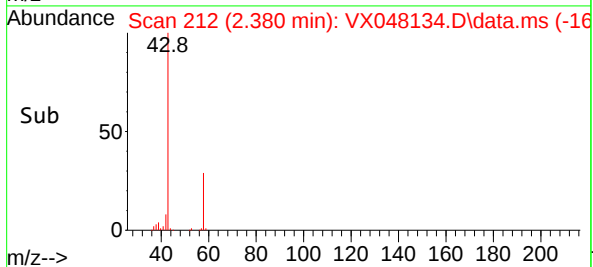
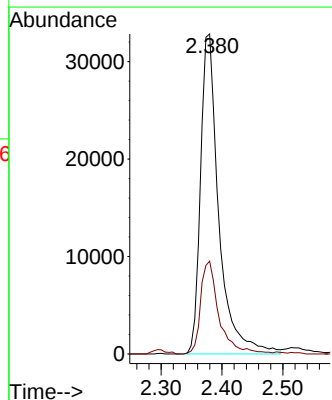
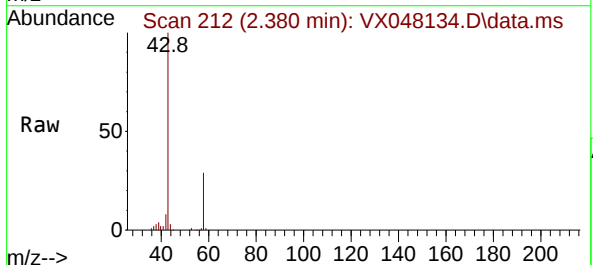
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

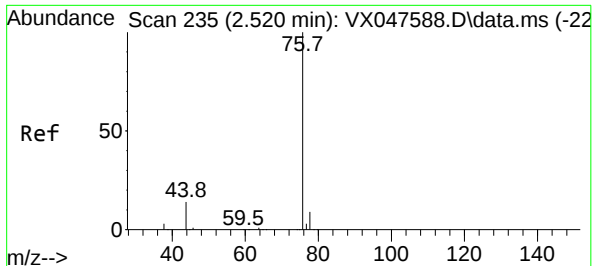
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 122.5 57.2 85.8#



#16
Acetone
Concen: 62.519 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion: 43 Resp: 68533
Ion Ratio Lower Upper
43 100
58 29.0 23.4 35.0





#17

Carbon Disulfide

Concen: 0.649 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048134.D

Acq: 13 Oct 2025 12:25

Instrument :

MSVOA_X

ClientSampleId :

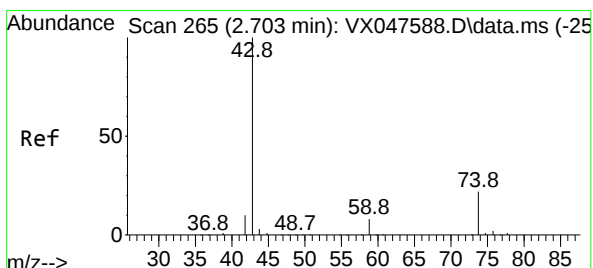
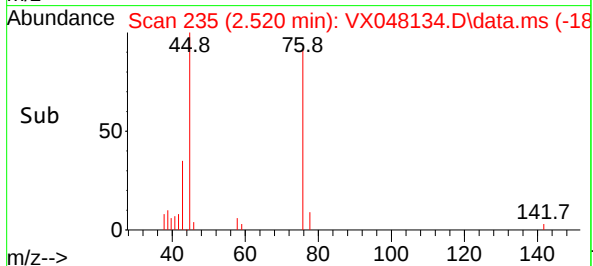
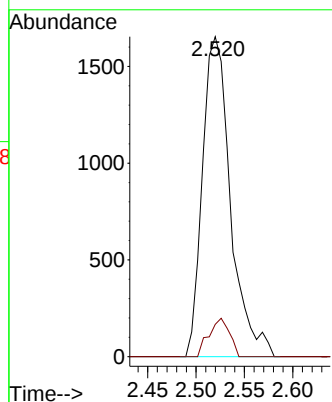
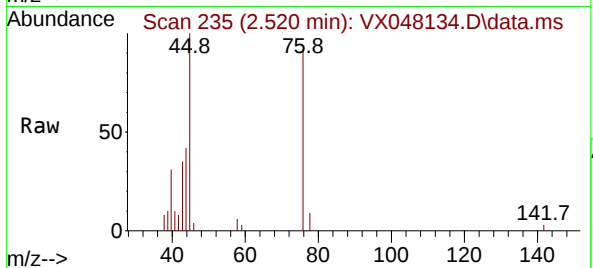
MW-5BA

Tgt Ion: 76 Resp: 3341

Ion Ratio Lower Upper

76 100

78 10.1 6.8 10.2



#18

Methyl Acetate

Concen: 0.535 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX048134.D

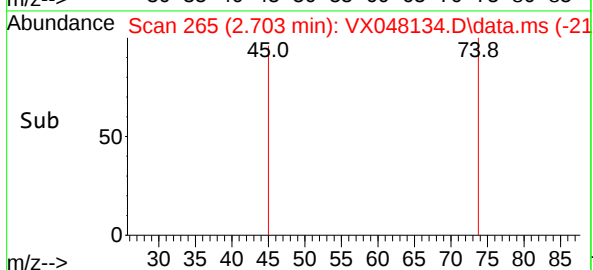
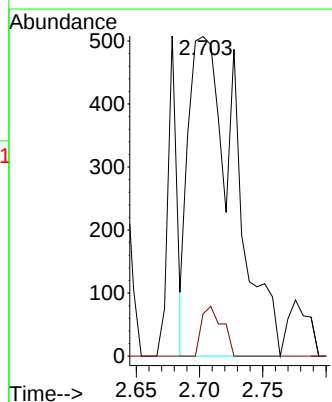
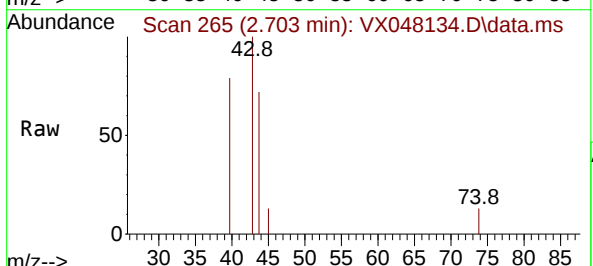
Acq: 13 Oct 2025 12:25

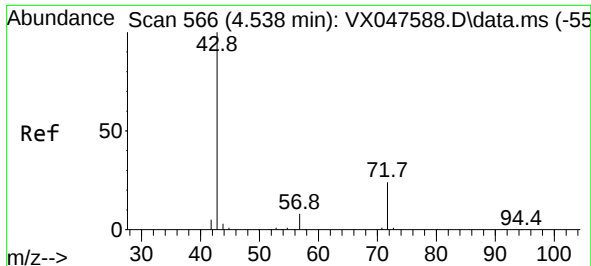
Tgt Ion: 43 Resp: 1306

Ion Ratio Lower Upper

43 100

74 7.0 17.4 26.2#

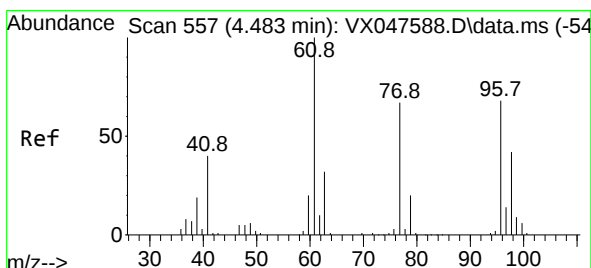
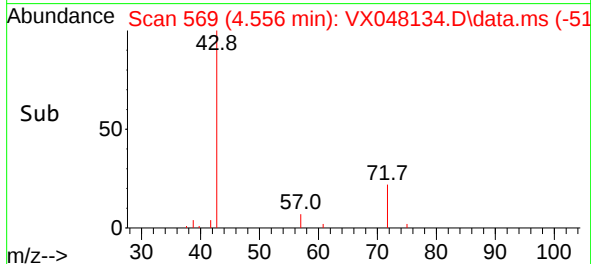
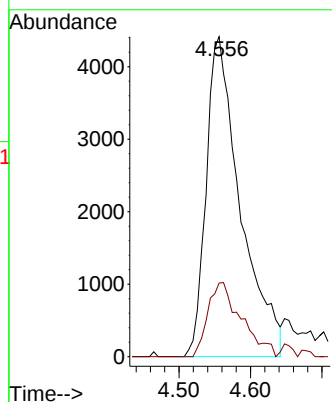
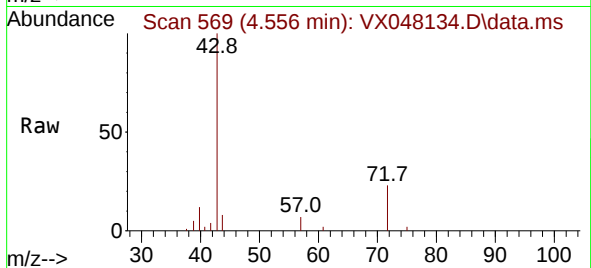




#25
2-Butanone
Concen: 10.720 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

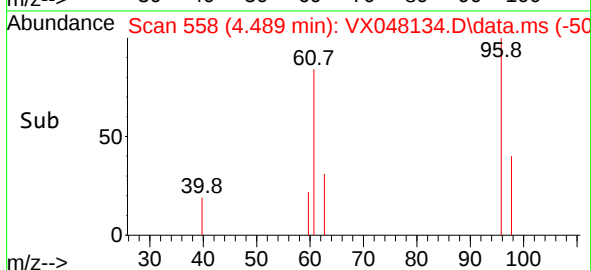
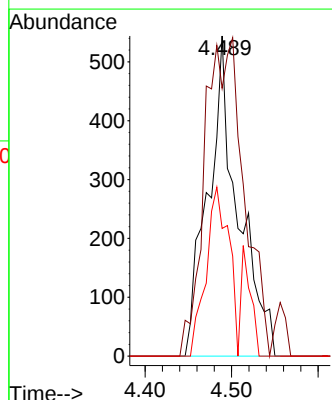
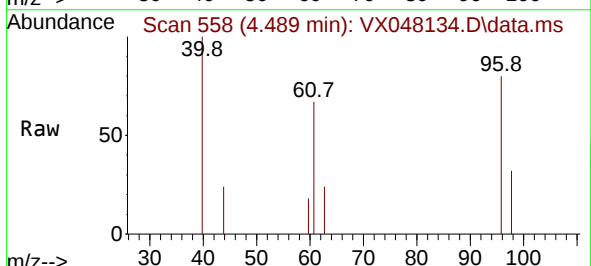
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

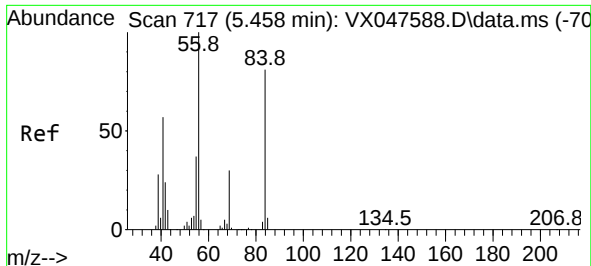
Tgt Ion: 43 Resp: 14658
Ion Ratio Lower Upper
43 100
72 21.3 20.1 30.1



#27
cis-1,2-Dichloroethene
Concen: 0.530 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion: 96 Resp: 1315
Ion Ratio Lower Upper
96 100
61 0.0 0.0 303.2
98 39.8 0.0 127.8

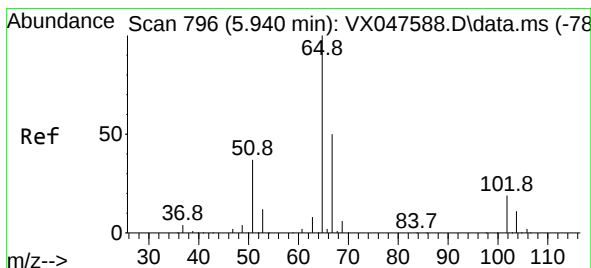
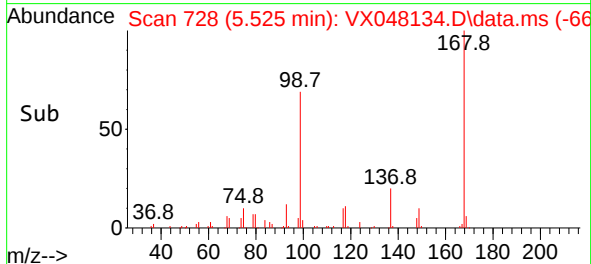
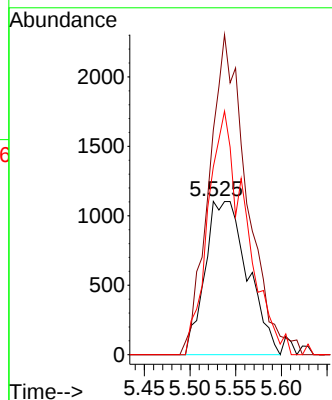
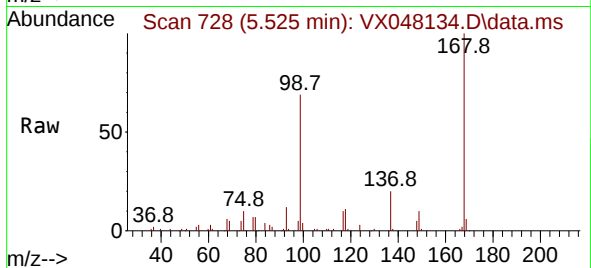




#31
Cyclohexane
Concen: 1.073 ug/l
RT: 5.525 min Scan# 717
Delta R.T. 0.067 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

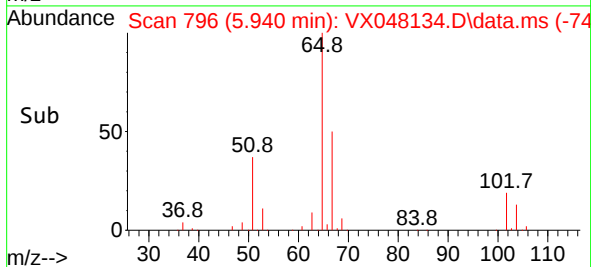
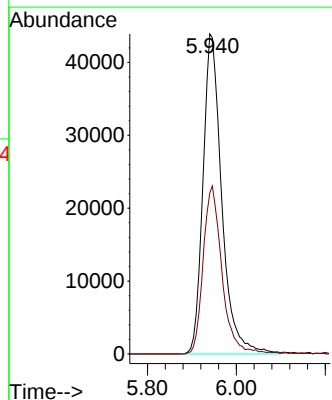
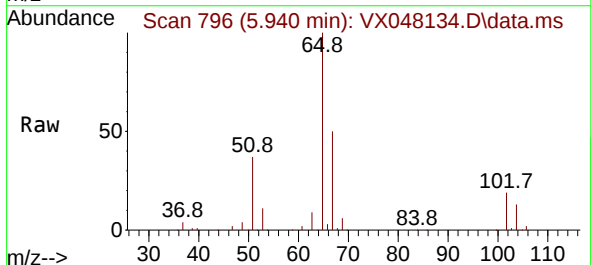
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

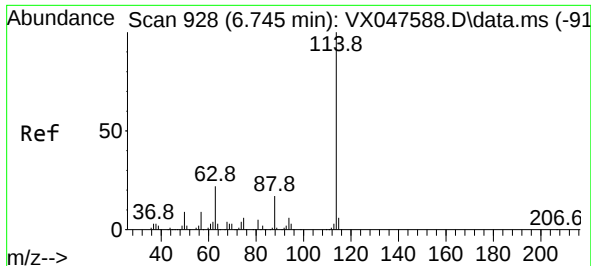
Tgt Ion: 56 Resp: 3573
Ion Ratio Lower Upper
56 100
69 146.6 23.8 35.8#
84 122.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 51.243 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion: 65 Resp: 129189
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0

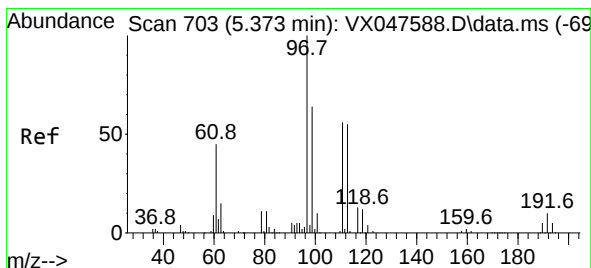
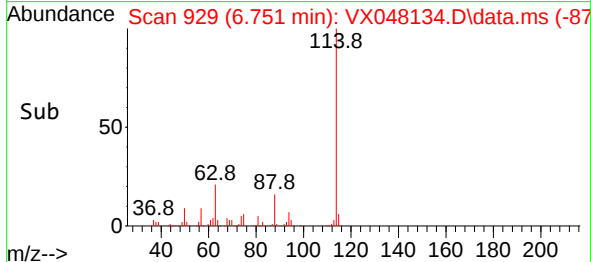
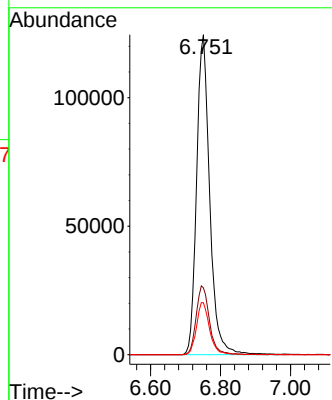
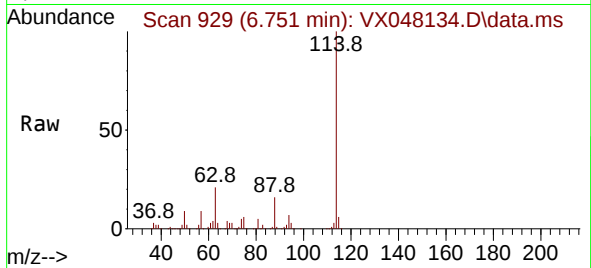




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

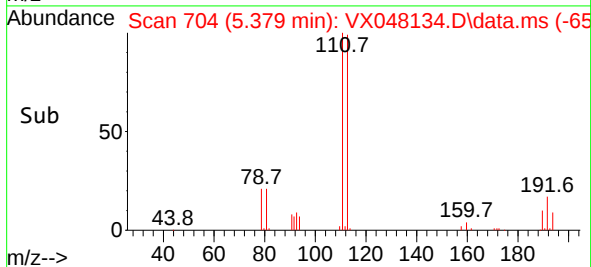
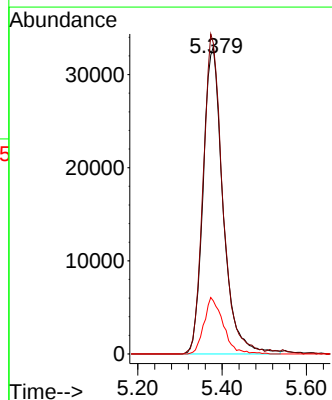
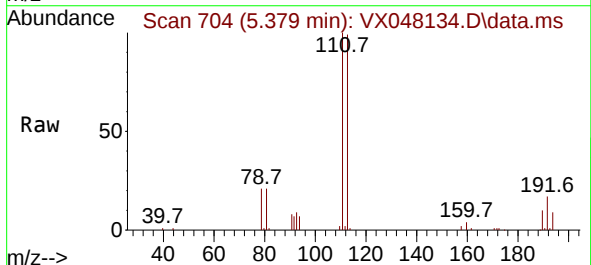
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

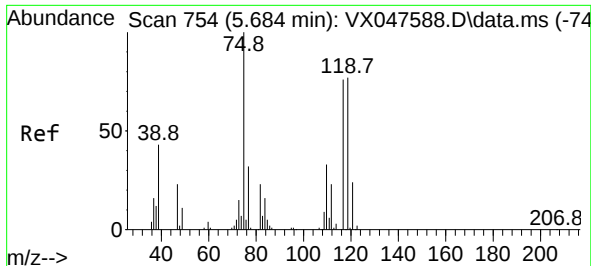
Tgt Ion:114 Resp: 323274
Ion Ratio Lower Upper
114 100
63 20.9 0.0 44.0
88 16.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.950 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion:113 Resp: 108295
Ion Ratio Lower Upper
113 100
111 101.6 80.9 121.3
192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.217 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX048134.D

Acq: 13 Oct 2025 12:25

Instrument :

MSVOA_X

ClientSampleId :

MW-5BA

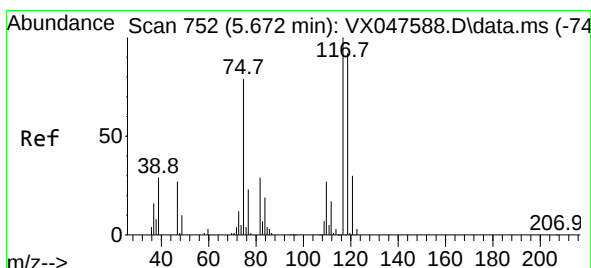
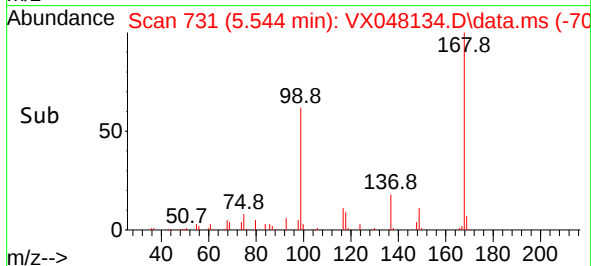
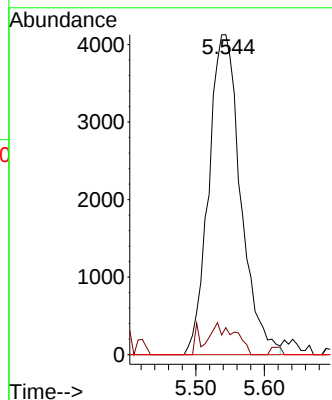
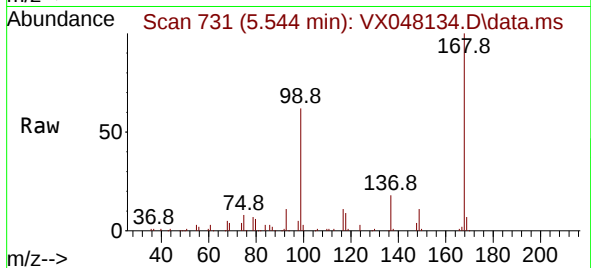
Tgt Ion: 75 Resp: 13361

Ion Ratio Lower Upper

75 100

110 7.4 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.869 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX048134.D

Acq: 13 Oct 2025 12:25

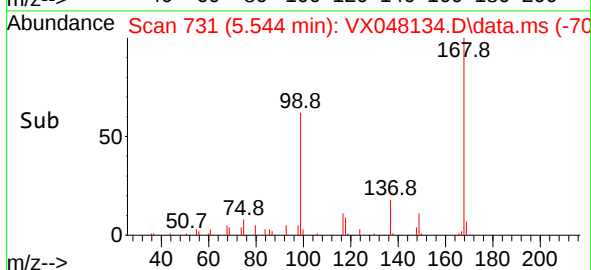
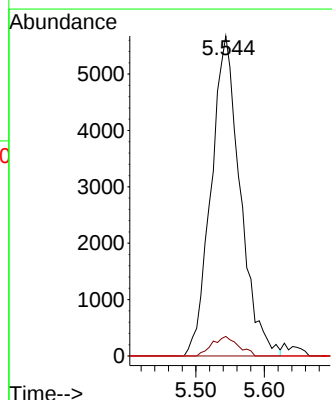
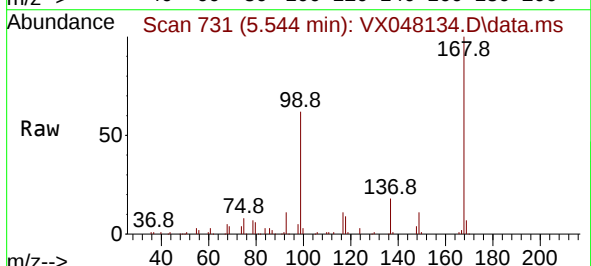
Tgt Ion: 117 Resp: 16758

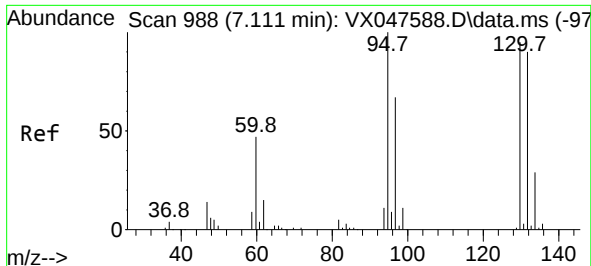
Ion Ratio Lower Upper

117 100

119 6.1 73.4 110.2#

121 0.0 23.8 35.6#

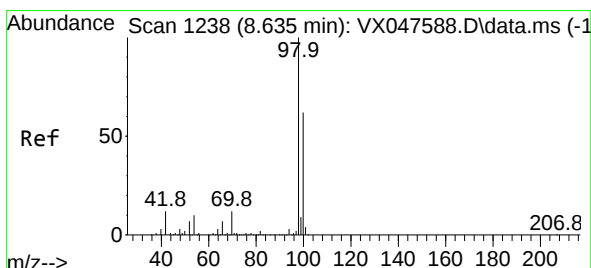
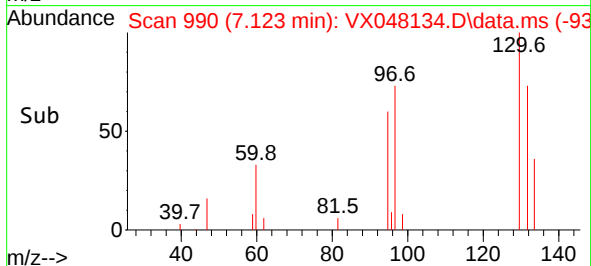
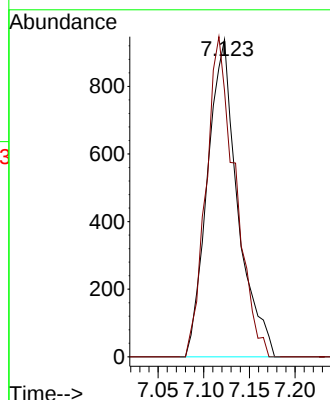
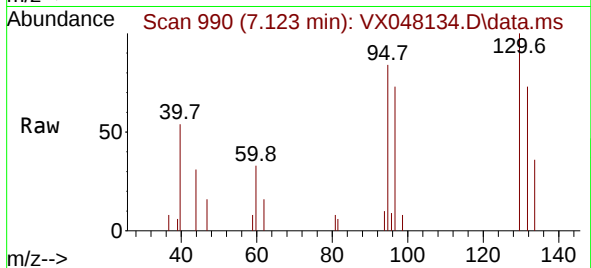




#44
Trichloroethene
Concen: 0.931 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

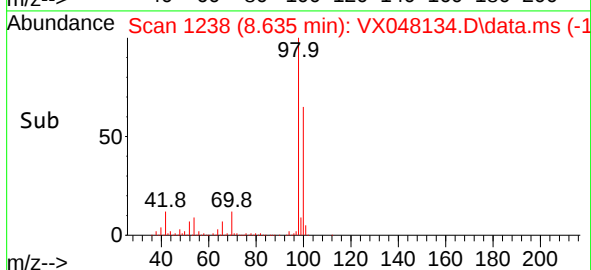
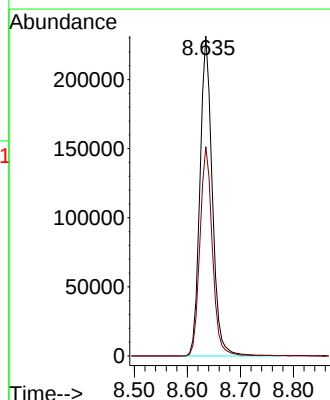
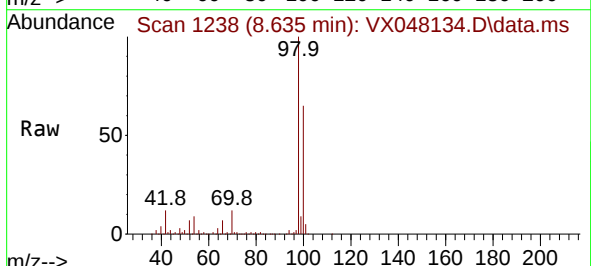
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

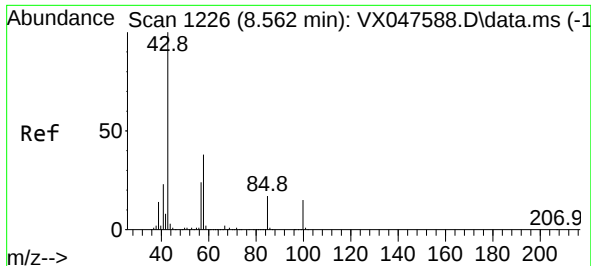
Tgt Ion:130 Resp: 2166
Ion Ratio Lower Upper
130 100
95 83.8 0.0 210.8



#50
Toluene-d8
Concen: 49.790 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion: 98 Resp: 373516
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

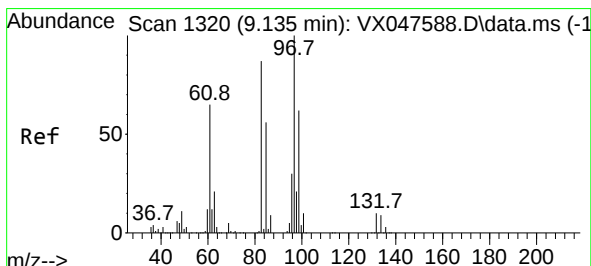
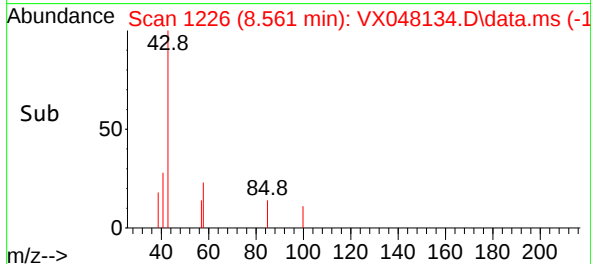
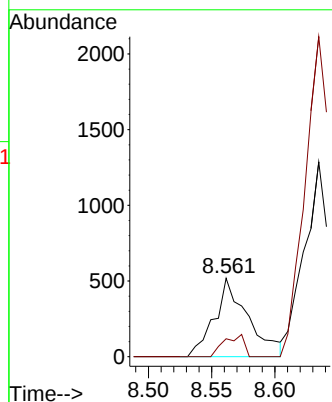
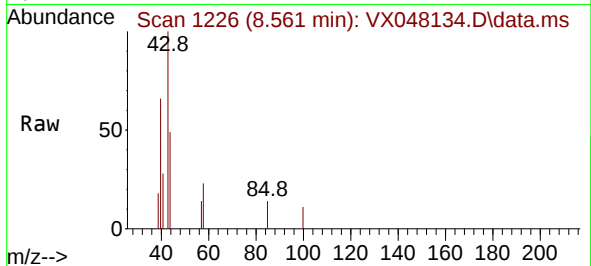




#51
4-Methyl-2-Pentanone
Concen: 0.310 ug/l
RT: 8.561 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

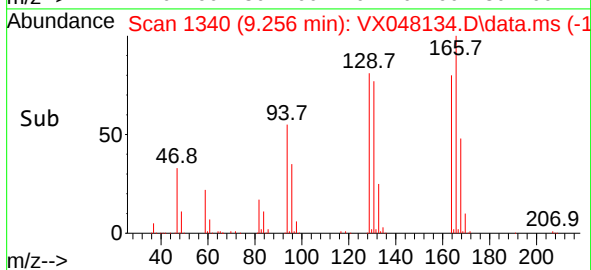
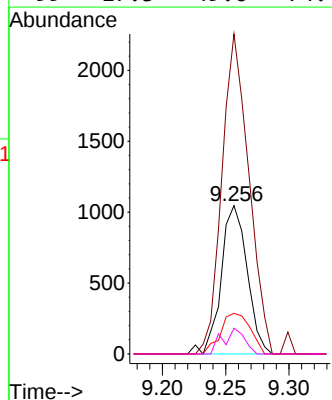
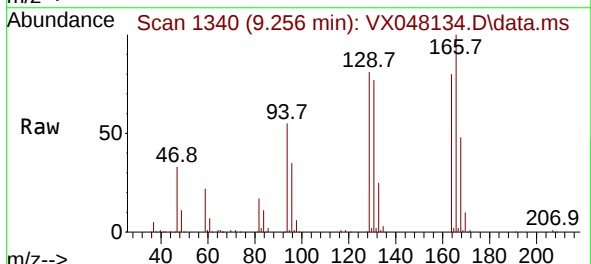
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

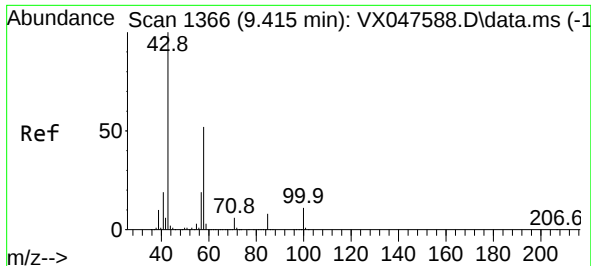
Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
58 16.8 30.3 45.5#



#55
1,1,2-Trichloroethane
Concen: 0.654 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.122 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion: 97 Resp: 1495
Ion Ratio Lower Upper
97 100
83 215.8 69.6 104.4#
85 200.1 45.0 67.6#
99 17.3 49.6 74.4#





#59

2-Hexanone

Concen: 0.721 ug/l

RT: 9.427 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX048134.D

Acq: 13 Oct 2025 12:25

Instrument :

MSVOA_X

ClientSampleId :

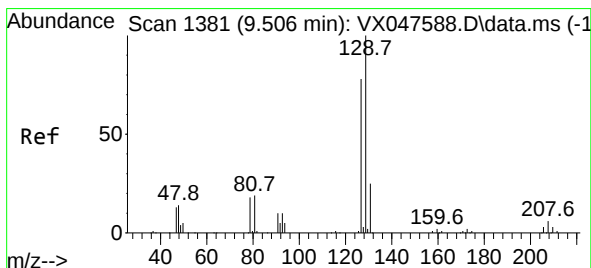
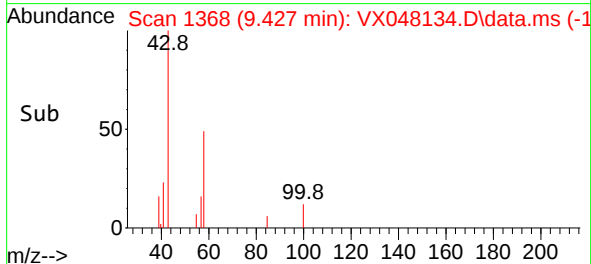
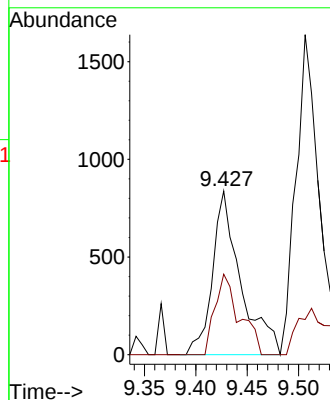
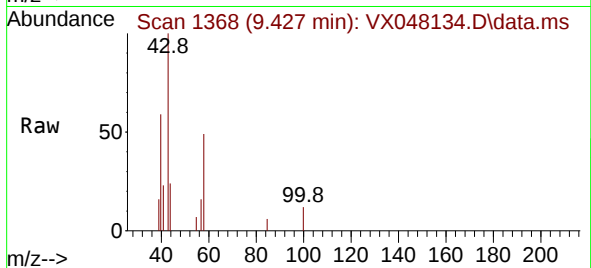
MW-5BA

Tgt Ion: 43 Resp: 1597

Ion Ratio Lower Upper

43 100

58 43.0 26.1 78.2



#60

Dibromochloromethane

Concen: 48.629 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.250 min

Lab File: VX048134.D

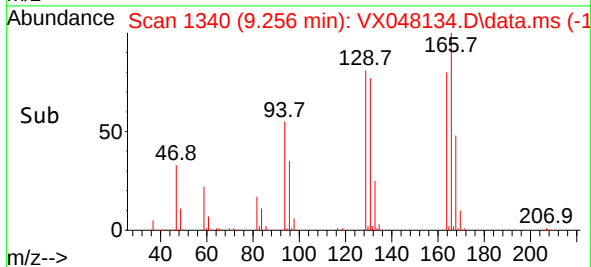
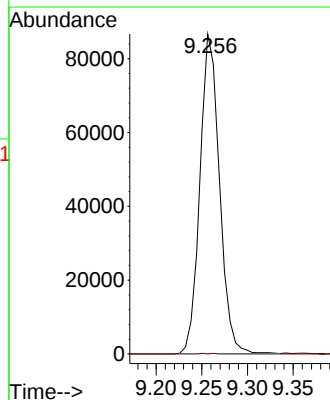
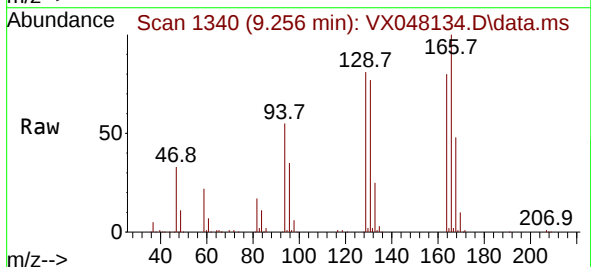
Acq: 13 Oct 2025 12:25

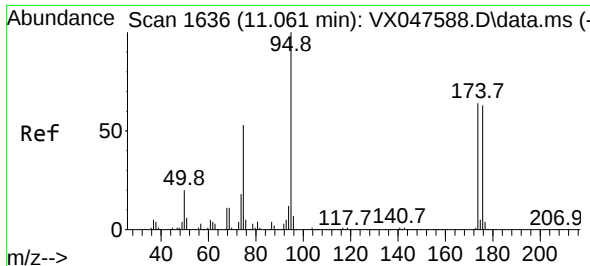
Tgt Ion:129 Resp: 128082

Ion Ratio Lower Upper

129 100

127 0.1 38.4 115.2#

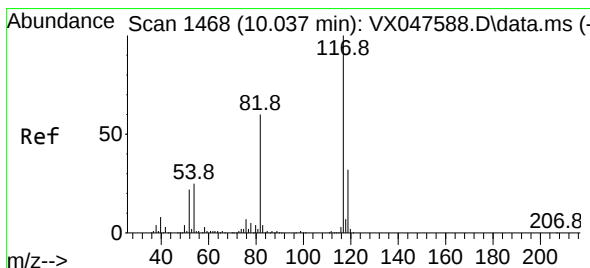
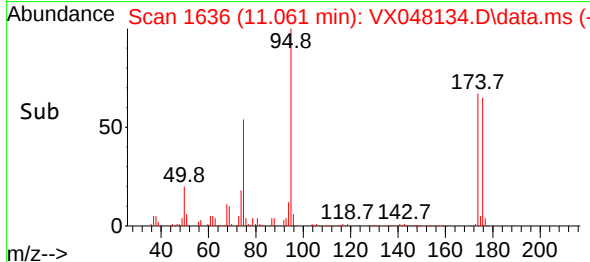
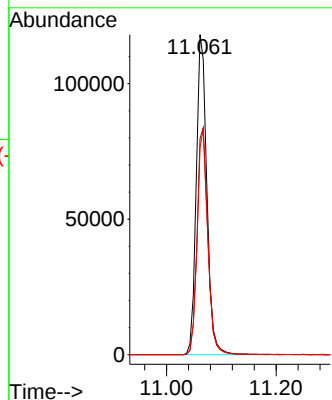
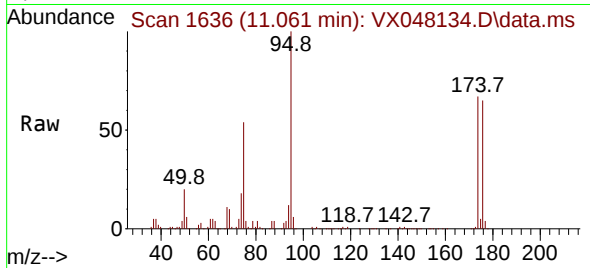




#62
4-Bromofluorobenzene
Concen: 55.921 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

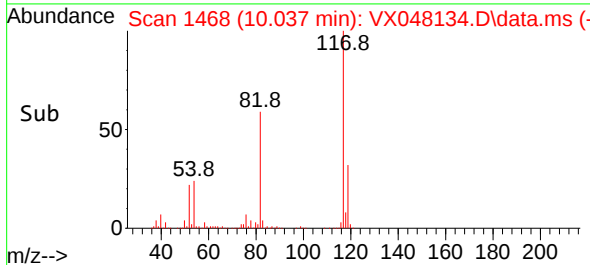
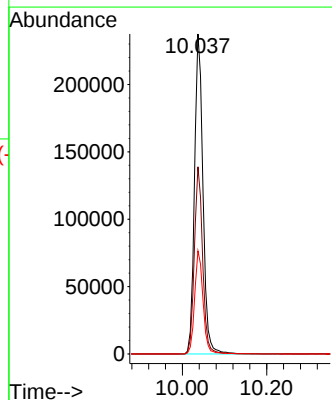
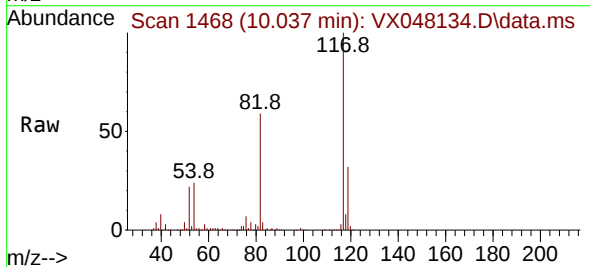
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

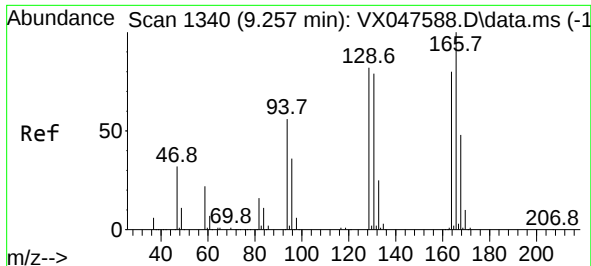
Tgt Ion: 95 Resp: 159213
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.6
176 70.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion: 117 Resp: 331796
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.6
119 32.2 25.2 37.8

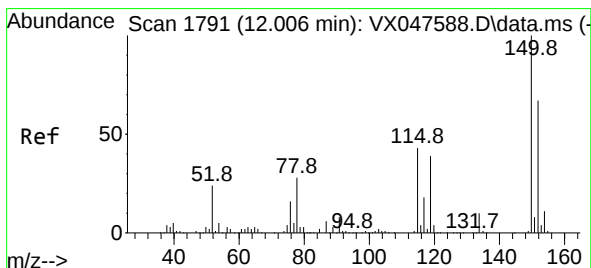
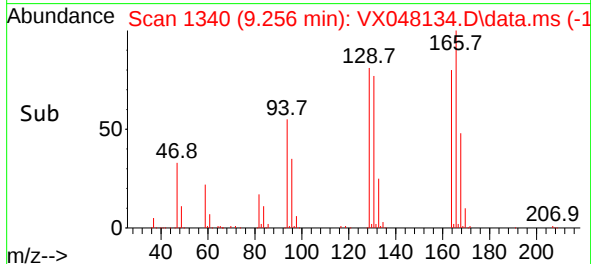
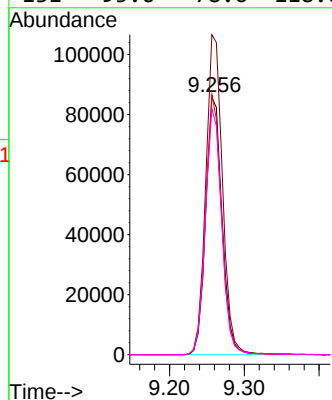
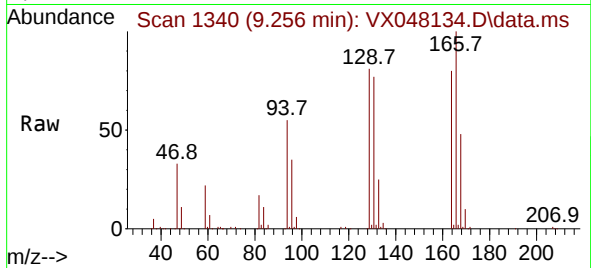




#64
Tetrachloroethene
Concen: 60.454 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

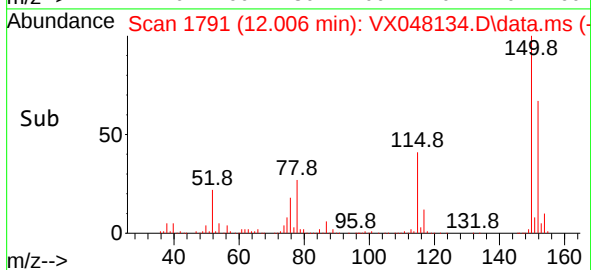
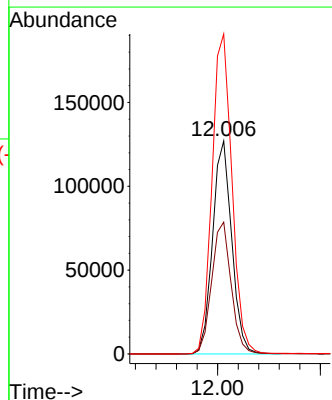
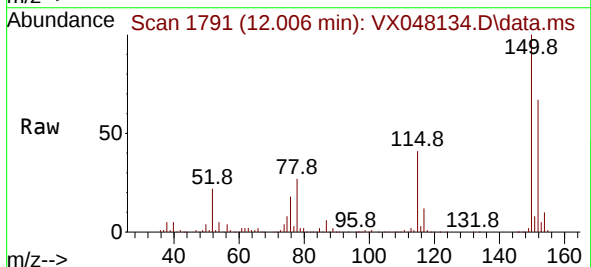
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

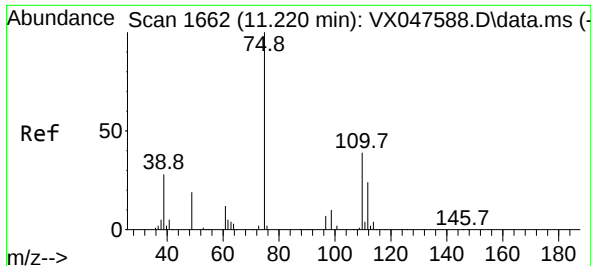
Tgt Ion:164 Resp: 130759
Ion Ratio Lower Upper
164 100
166 124.3 100.2 150.2
129 101.1 81.8 122.6
131 95.6 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

Tgt Ion:152 Resp: 163977
Ion Ratio Lower Upper
152 100
115 63.1 44.9 134.5
150 156.2 0.0 352.0

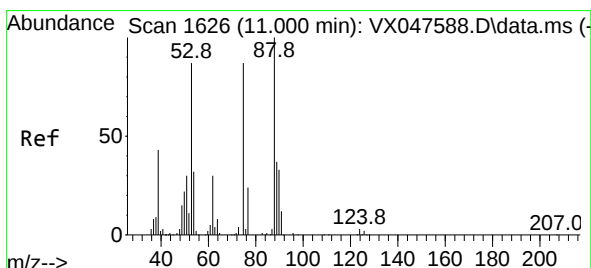
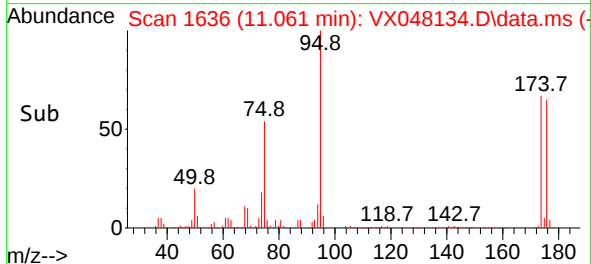
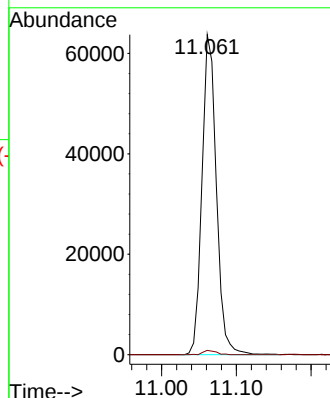
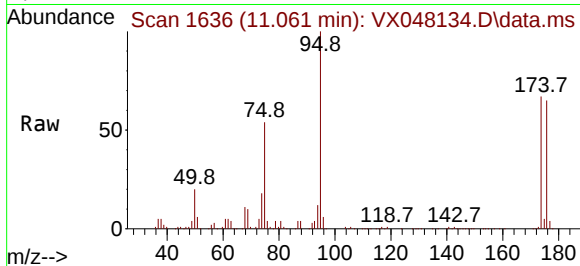




#76
1,2,3-Trichloropropane
Concen: 25.655 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

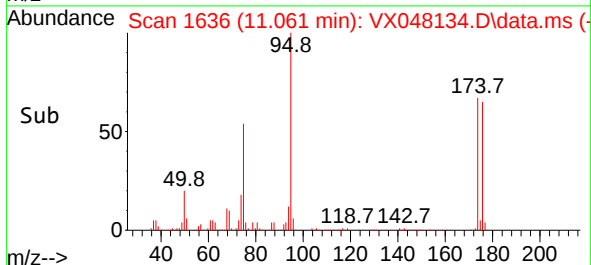
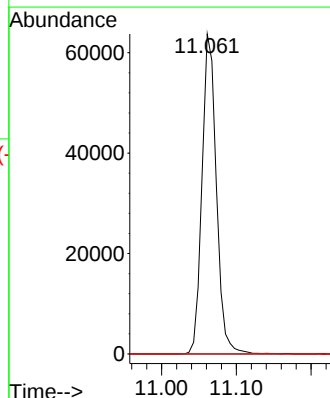
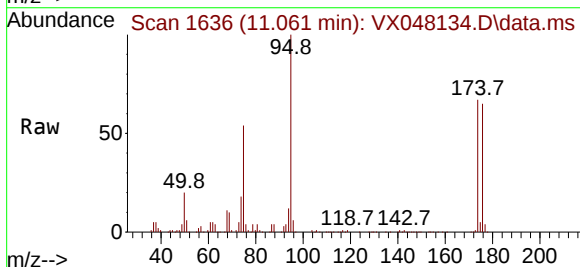
Instrument :
MSVOA_X
ClientSampleId :
MW-5BA

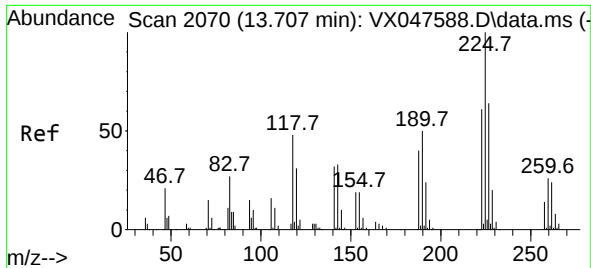
Tgt Ion: 75 Resp: 85176
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.425 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048134.D
Acq: 13 Oct 2025 12:25

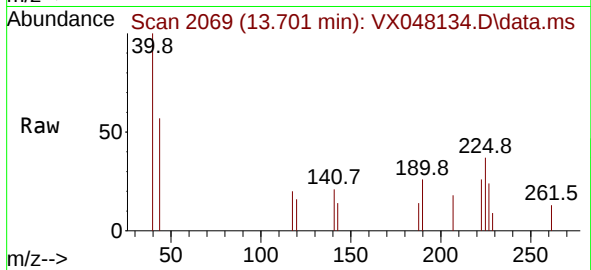
Tgt Ion: 75 Resp: 85176
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.207 ug/l
 RT: 13.701 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX048134.D
 Acq: 13 Oct 2025 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5BA



Tgt Ion:	225	Resp:	248
Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.7	95.1
227	54.4	32.0	96.0

