

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047721.D
 Acq On : 23 Sep 2025 10:22
 Operator : JC/MD
 Sample : VX0923WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBL01

Quant Time: Sep 24 01:26:46 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

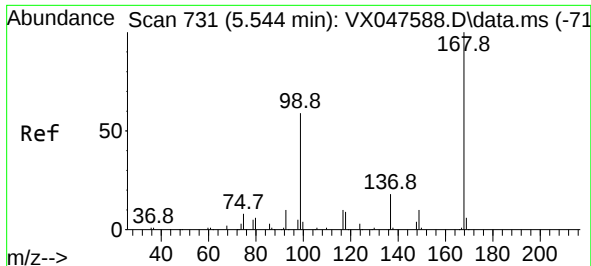
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.531	168	119065	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	248954	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	254277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	95920	50.612	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.220%			
35) Dibromofluoromethane	5.373	113	79691	47.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.460%			
50) Toluene-d8	8.635	98	277020	47.950	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.900%			
62) 4-Bromofluorobenzene	11.061	95	123900	56.509	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.020%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	249	0.248	ug/l #	2
10) Methyl Iodide	2.459	142	633	0.295	ug/l #	79
16) Acetone	2.367	43	167	0.203	ug/l #	45
17) Carbon Disulfide	2.514	76	1142	0.295	ug/l #	92
20) Methylene Chloride	2.788	84	1634	0.937	ug/l #	81
31) Cyclohexane	5.531	56	2828	1.129	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	10272	4.210	ug/l #	49
38) Carbon Tetrachloride	5.525	117	12587	4.748	ug/l #	17
51) 4-Methyl-2-Pentanone	8.635	43	1423	0.599	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.238	63	48	7.929	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	63464	23.576	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	63464	60.123	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.573	180	609	0.213	ug/l	96
94) Hexachlorobutadiene	13.701	225	564	0.580	ug/l	96

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

Quant Time: Sep 24 01:26:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

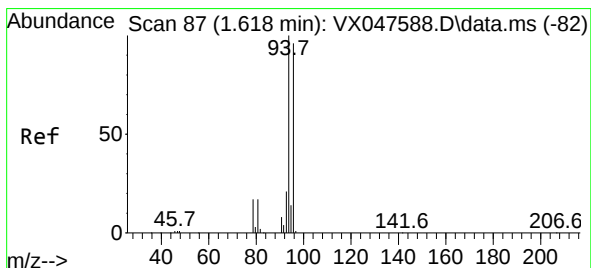
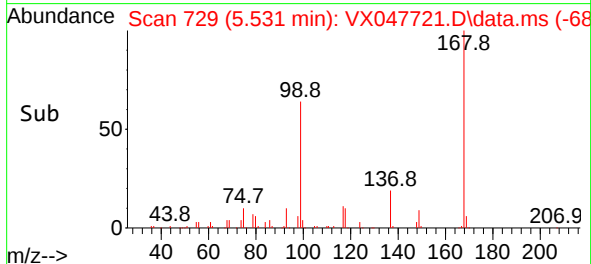
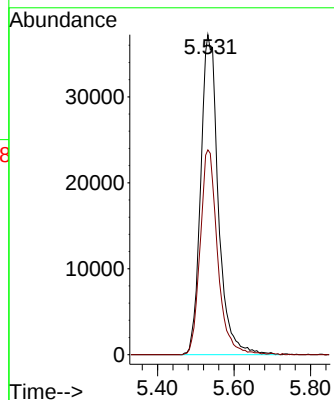
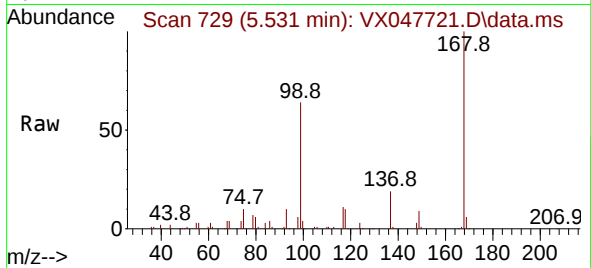




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

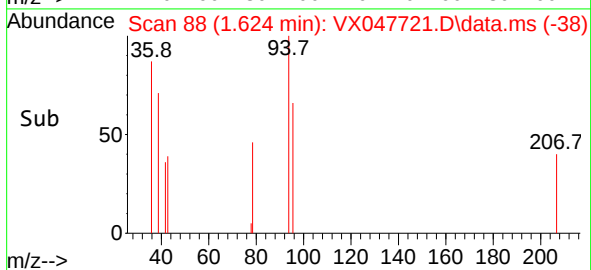
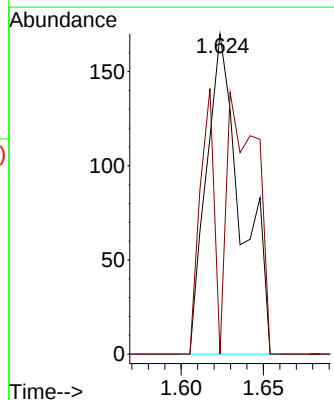
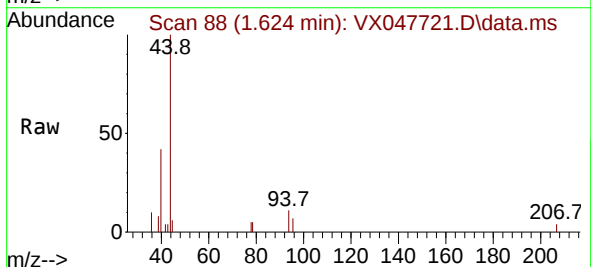
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL01

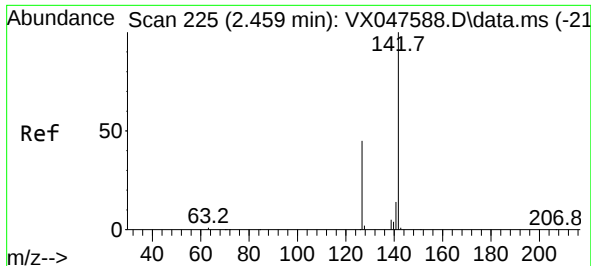
Tgt Ion:168 Resp: 119065
Ion Ratio Lower Upper
168 100
99 64.0 48.8 73.2



#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#

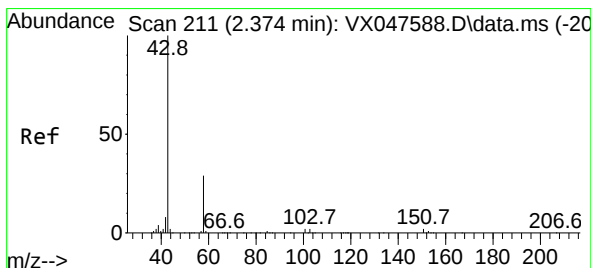
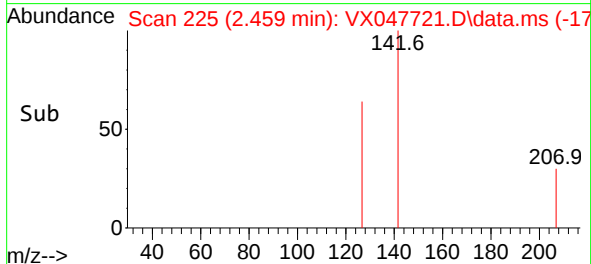
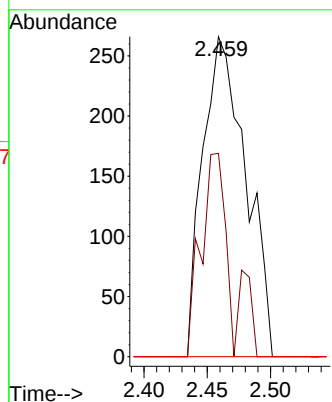
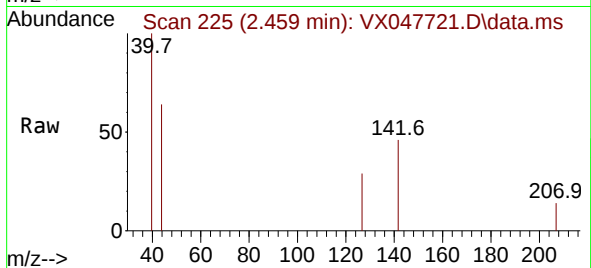




#10
Methyl Iodide
Concen: 0.295 ug/l
RT: 2.459 min Scan# 210
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

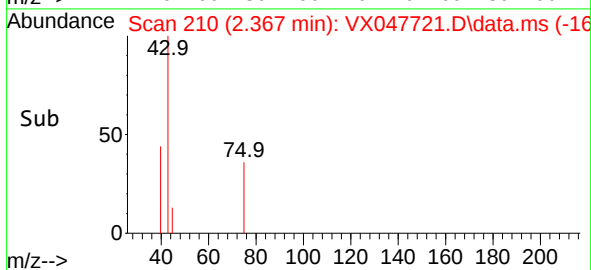
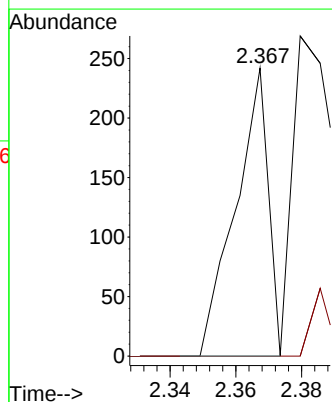
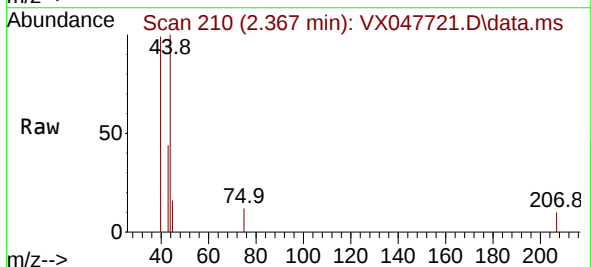
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL01

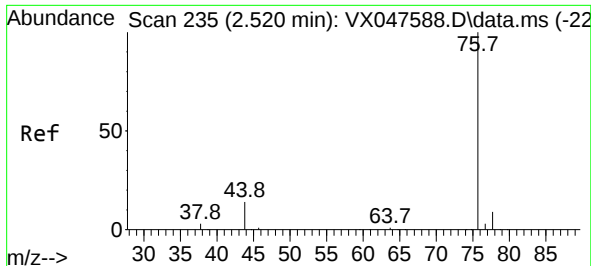
Tgt Ion:142 Resp: 633
Ion Ratio Lower Upper
142 100
127 35.5 37.2 55.8#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.203 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#





#17

Carbon Disulfide

Concen: 0.295 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047721.D

Acq: 23 Sep 2025 10:22

Instrument :

MSVOA_X

ClientSampleId :

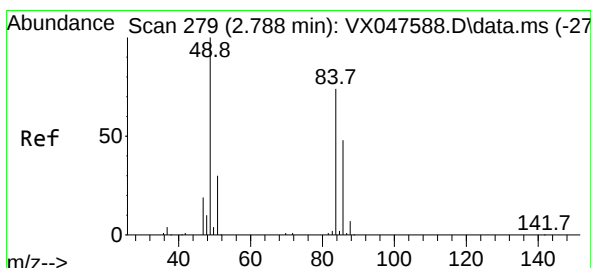
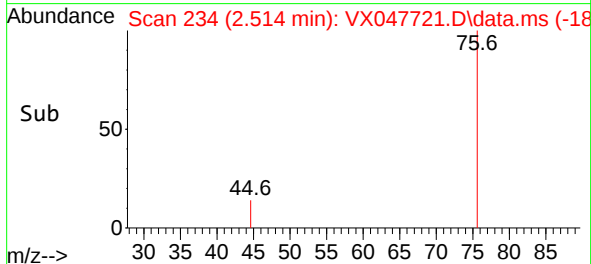
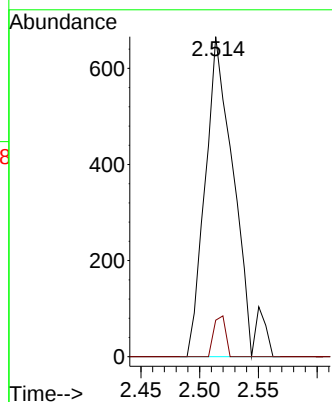
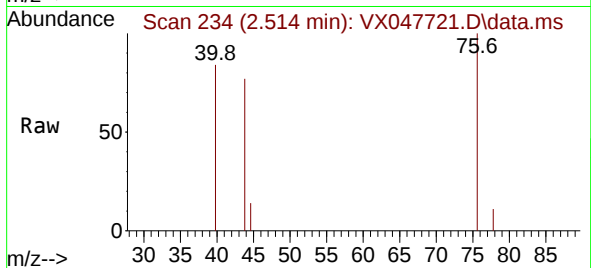
VX0923WBL01

Tgt Ion: 76 Resp: 1142

Ion Ratio Lower Upper

76 100

78 11.4 6.8 10.2#



#20

Methylene Chloride

Concen: 0.937 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047721.D

Acq: 23 Sep 2025 10:22

Tgt Ion: 84 Resp: 1634

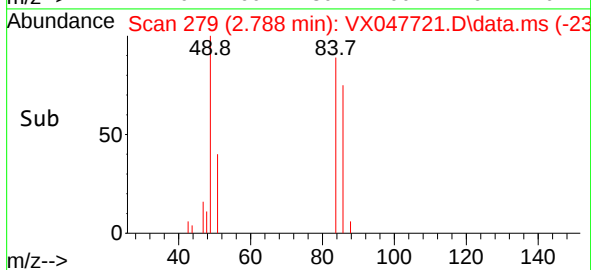
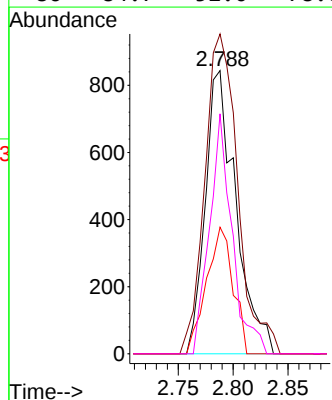
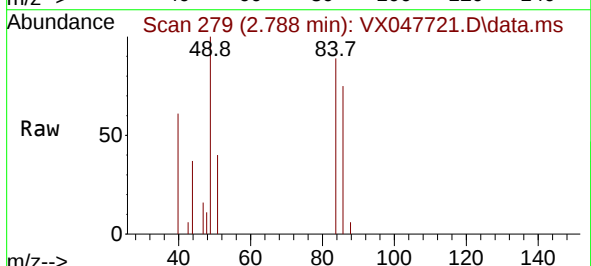
Ion Ratio Lower Upper

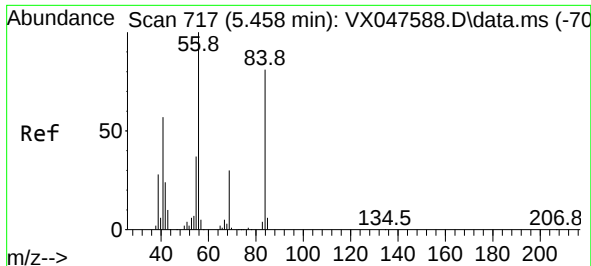
84 100

49 112.9 108.6 162.8

51 44.7 32.6 48.8

86 84.7 52.0 78.0#

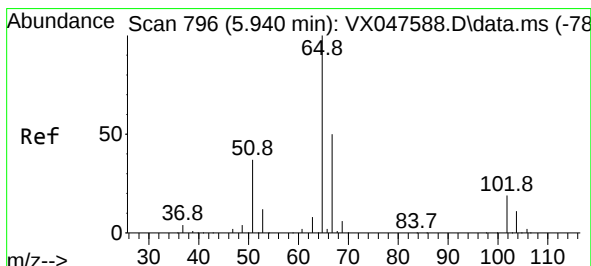
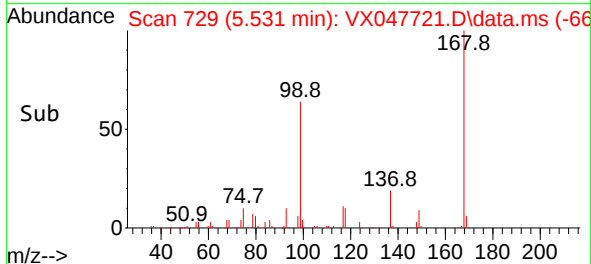
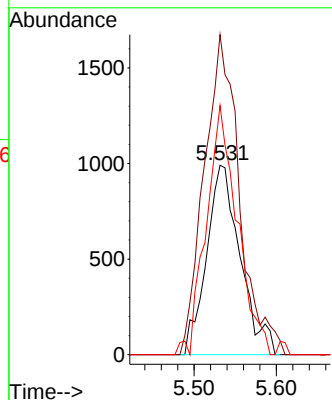
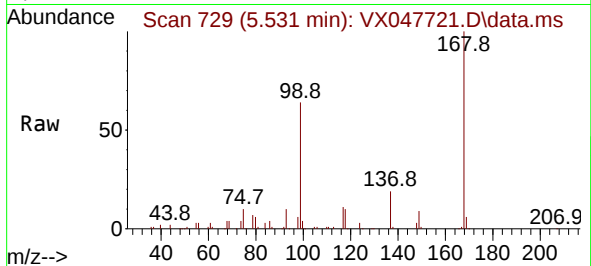




#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.531 min Scan# 717
Delta R.T. 0.073 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

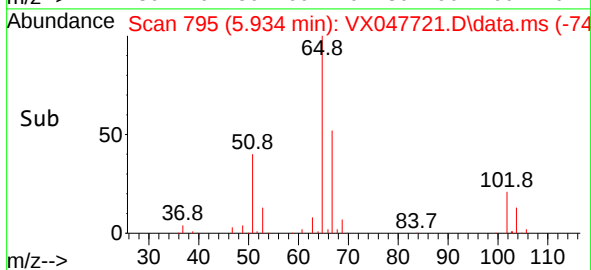
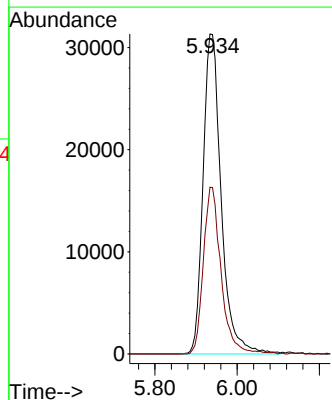
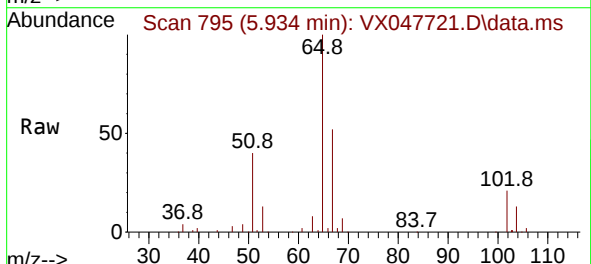
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL01

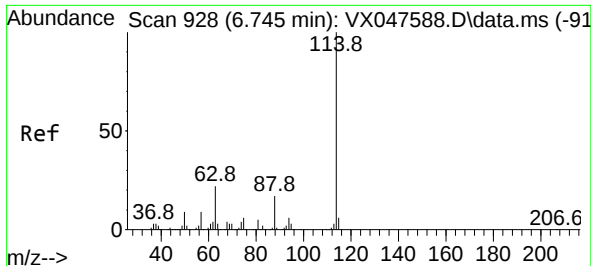
Tgt Ion: 56 Resp: 2828
Ion Ratio Lower Upper
56 100
69 168.9 23.8 35.8#
84 125.0 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.612 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion: 65 Resp: 95920
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0

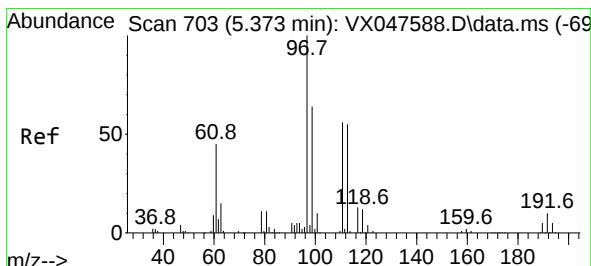
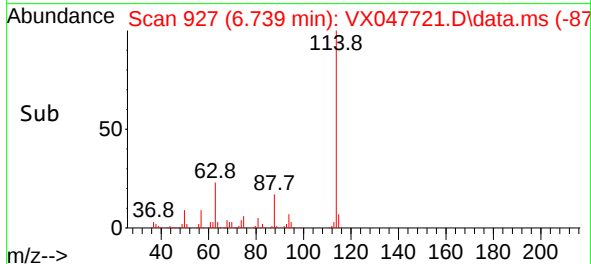
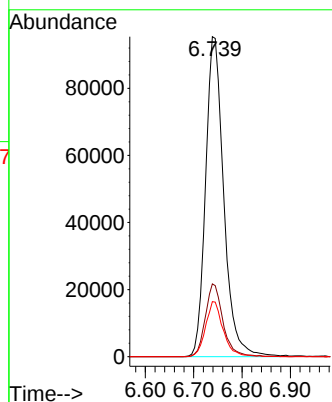
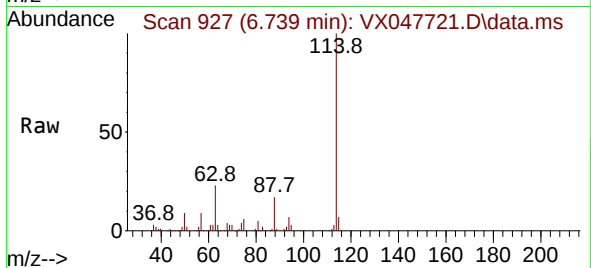




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

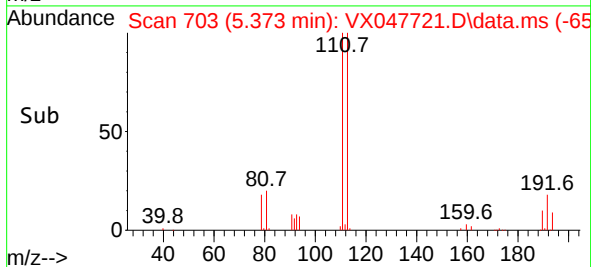
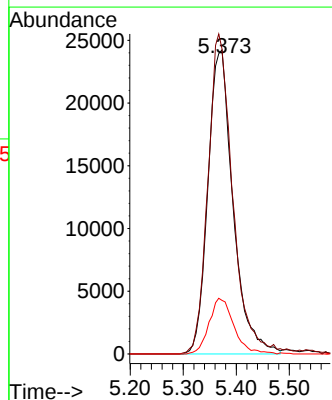
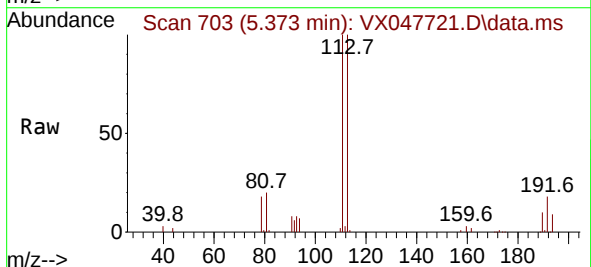
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL01

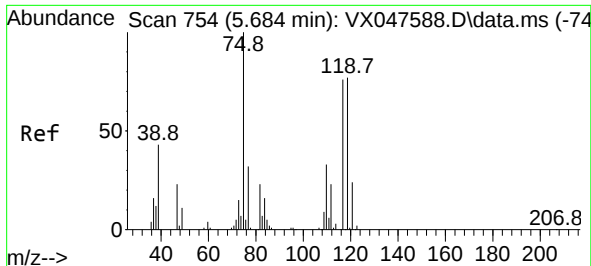
Tgt Ion:114 Resp: 248954
Ion Ratio Lower Upper
114 100
63 22.8 0.0 44.0
88 17.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 47.730 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion:113 Resp: 79691
Ion Ratio Lower Upper
113 100
111 103.9 80.9 121.3
192 18.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.210 ug/l

RT: 5.531 min Scan# 71

Delta R.T. -0.153 min

Lab File: VX047721.D

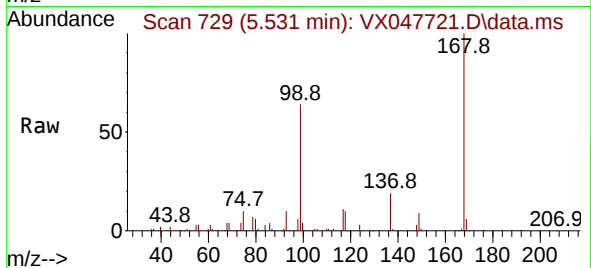
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Instrument :

MSVOA_X

ClientSampleId :

VX0923WBL01



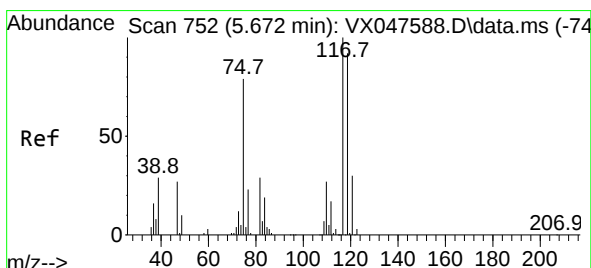
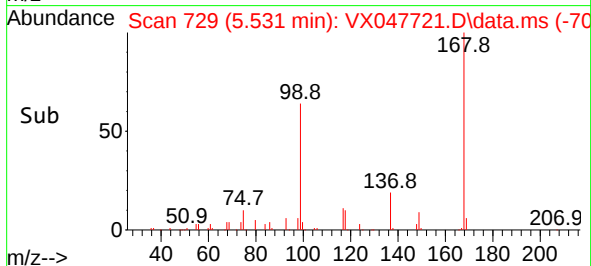
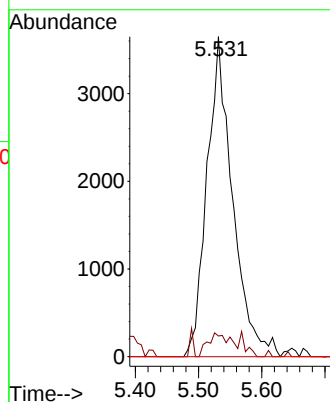
Tgt Ion: 75 Resp: 10272

Ion Ratio Lower Upper

75 100

110 6.6 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.748 ug/l

RT: 5.525 min Scan# 728

Delta R.T. -0.146 min

Lab File: VX047721.D

Acq: 23 Sep 2025 10:22

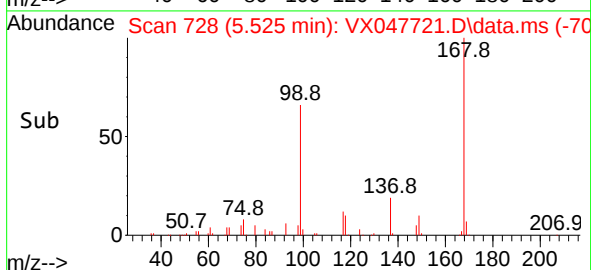
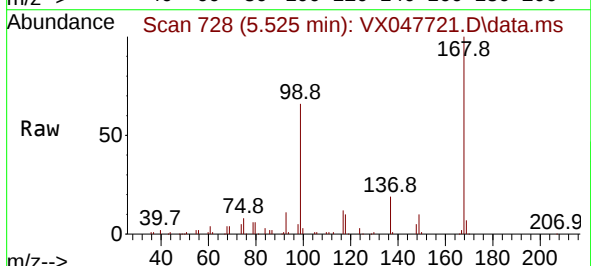
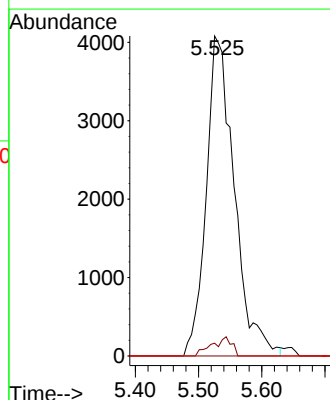
Tgt Ion: 117 Resp: 12587

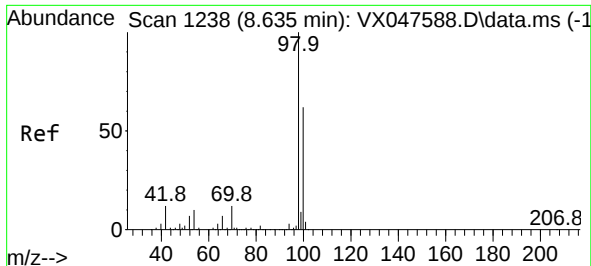
Ion Ratio Lower Upper

117 100

119 4.0 73.4 110.2#

121 0.0 23.8 35.6#

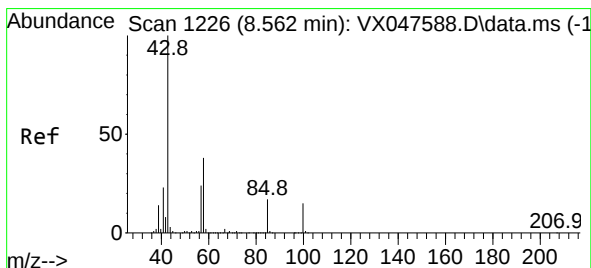
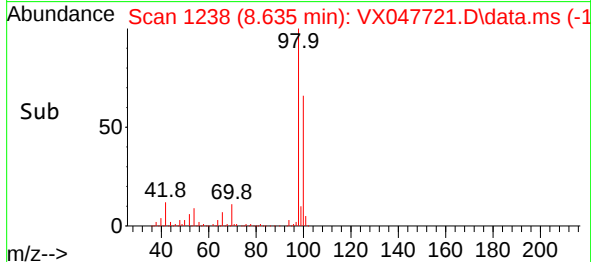
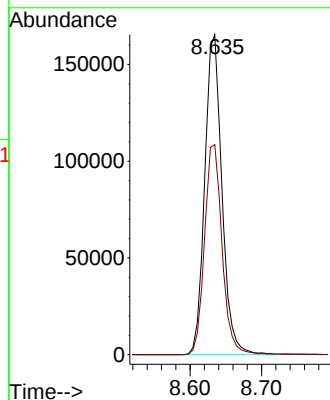
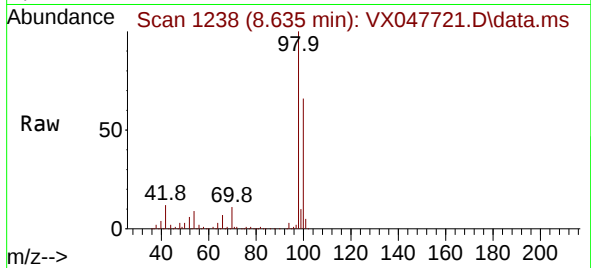




#50
Toluene-d8
Concen: 47.950 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

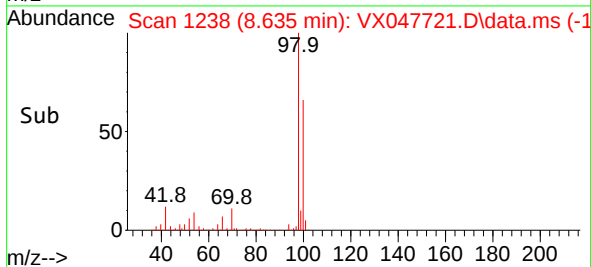
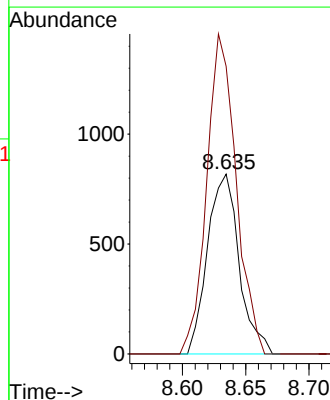
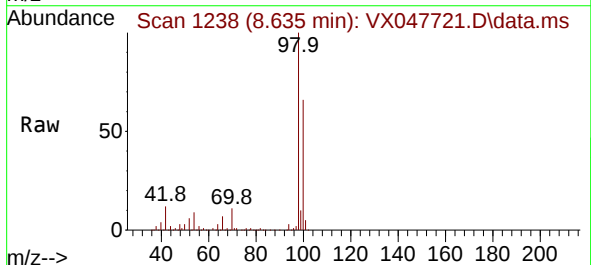
Instrument :
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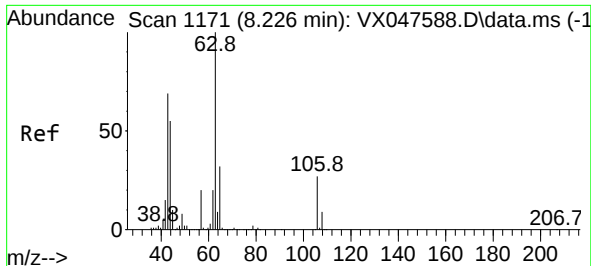
Tgt Ion: 98 Resp: 277020
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.599 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
58 165.4 30.3 45.5#

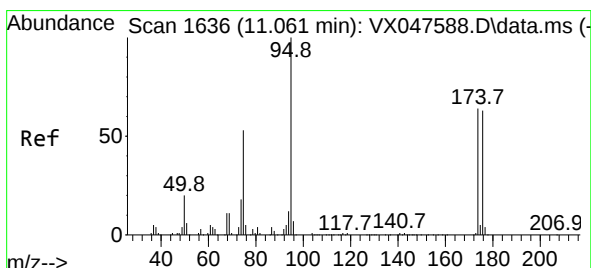
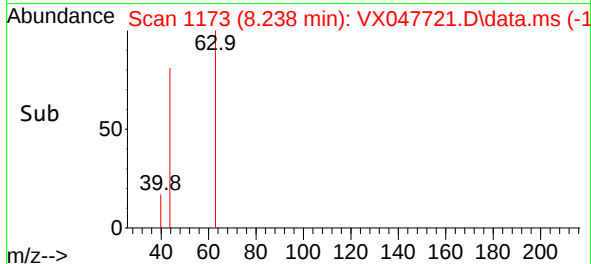
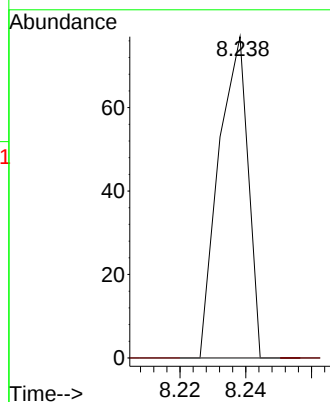
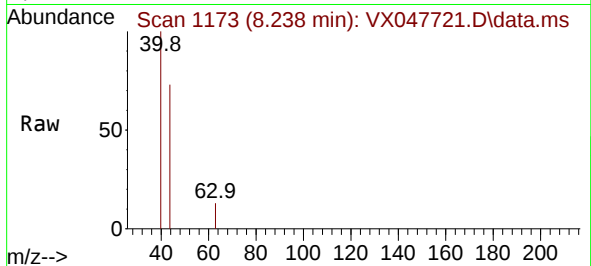




#58
2-Chloroethyl Vinyl ether
Concen: 7.929 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.012 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

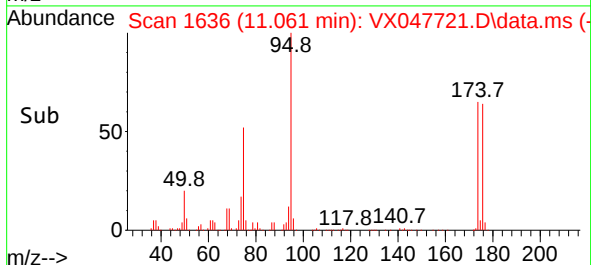
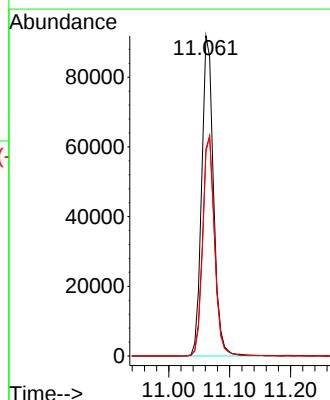
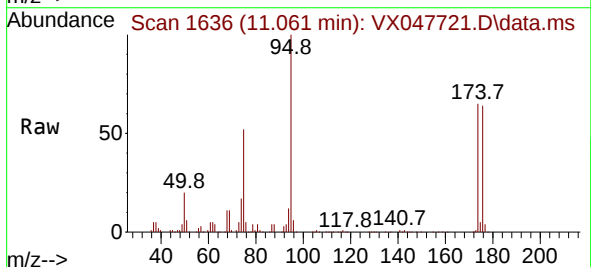
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL01

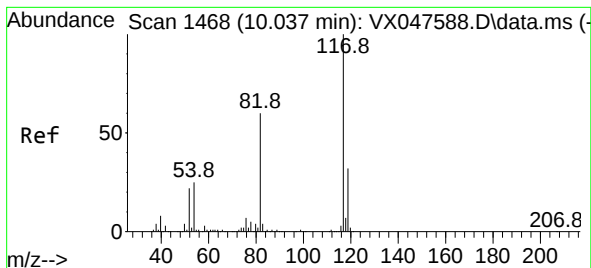
Tgt Ion: 63 Resp: 48
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#62
4-Bromofluorobenzene
Concen: 56.509 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion: 95 Resp: 123900
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.6
176 68.4 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: VX047721.D

Acq: 23 Sep 2025 10:22

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBL01

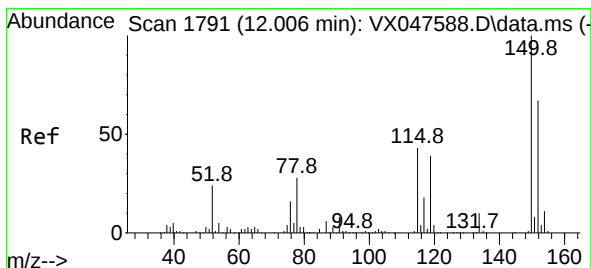
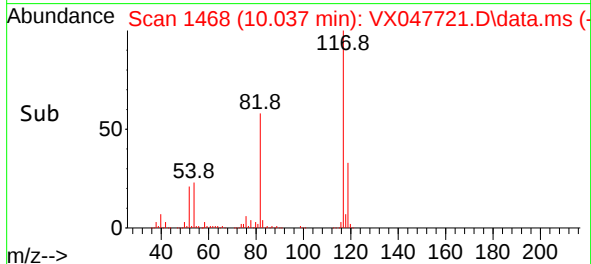
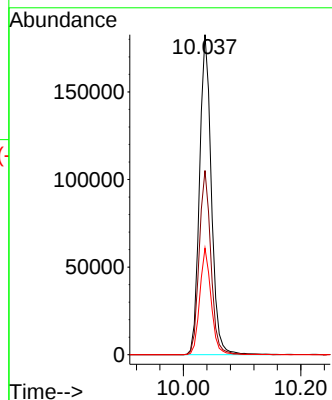
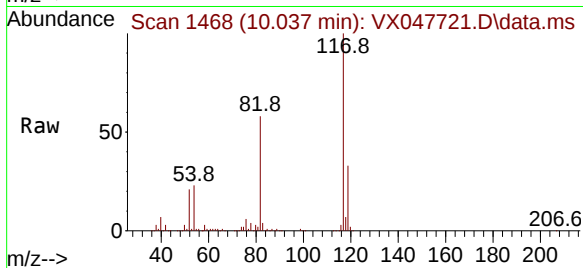
Tgt Ion:117 Resp: 254277

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.6

119 33.3 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047721.D

Acq: 23 Sep 2025 10:22

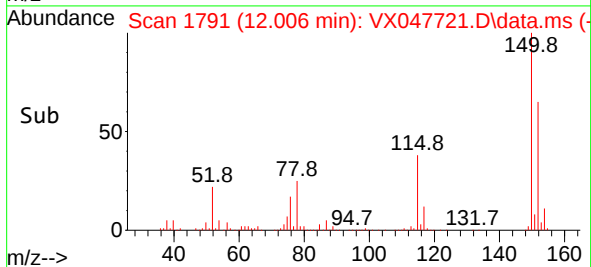
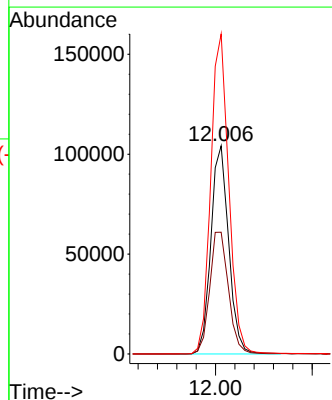
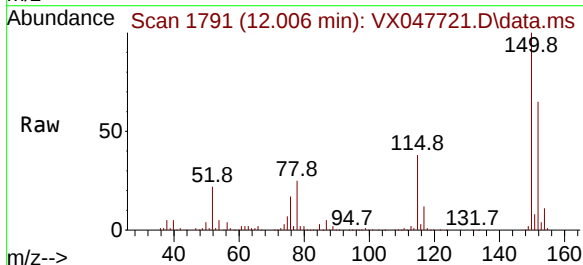
Tgt Ion:152 Resp: 132951

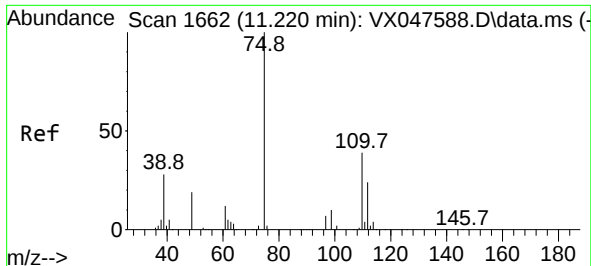
Ion Ratio Lower Upper

152 100

115 61.8 44.9 134.5

150 156.0 0.0 352.0

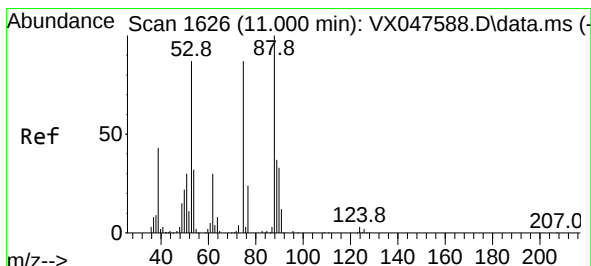
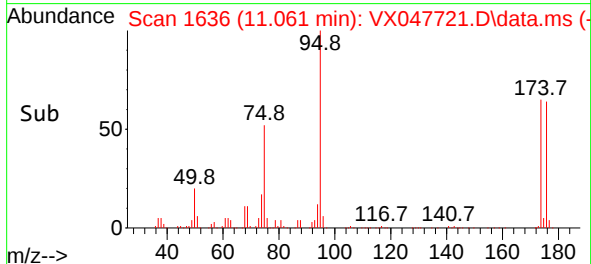
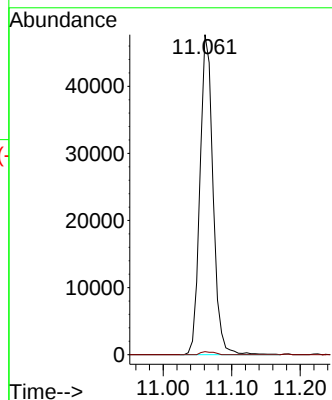
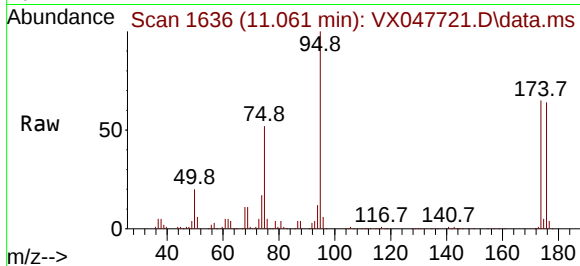




#76
1,2,3-Trichloropropane
Concen: 23.576 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

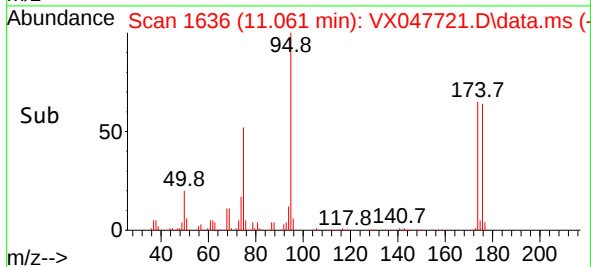
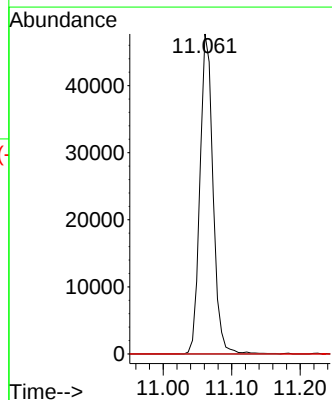
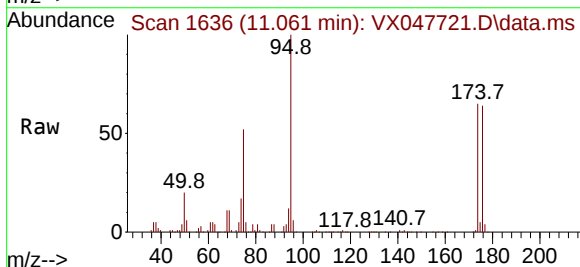
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL01

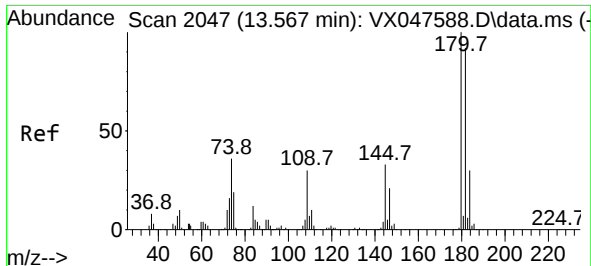
Tgt Ion: 75 Resp: 63464
Ion Ratio Lower Upper
75 100
77 1.0 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.123 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion: 75 Resp: 63464
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

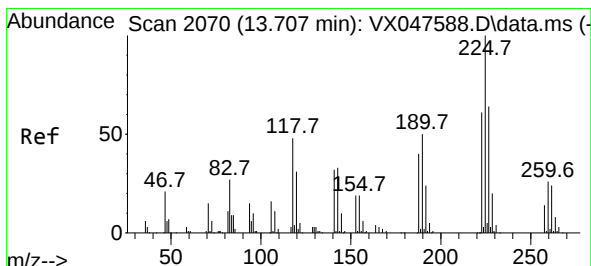
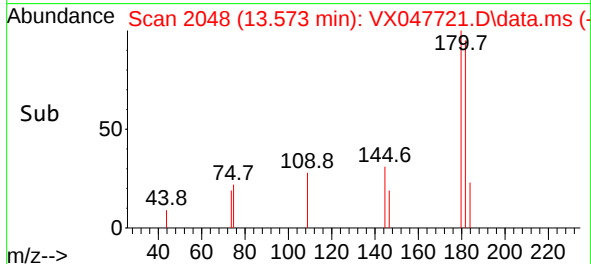
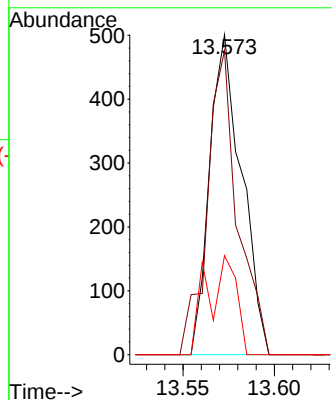
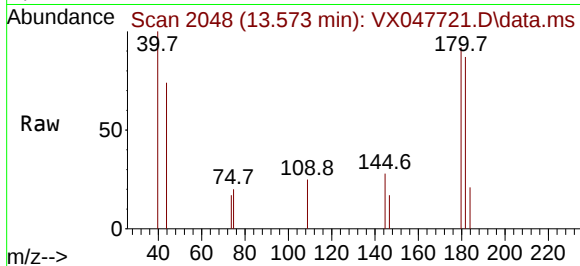




#93
 1,2,4-Trichlorobenzene
 Concen: 0.213 ug/l
 RT: 13.573 min Scan# 2048
 Delta R.T. 0.006 min
 Lab File: VX047721.D
 Acq: 23 Sep 2025 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBL01

Tgt Ion:180 Resp: 609
 Ion Ratio Lower Upper
 180 100
 182 90.3 46.6 139.8
 145 28.4 16.4 49.1



#94
 Hexachlorobutadiene
 Concen: 0.580 ug/l
 RT: 13.701 min Scan# 2069
 Delta R.T. -0.006 min
 Lab File: VX047721.D
 Acq: 23 Sep 2025 10:22

Tgt Ion:225 Resp: 564
 Ion Ratio Lower Upper
 225 100
 223 66.0 31.7 95.1
 227 60.5 32.0 96.0

