

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048162.D
 Acq On : 14 Oct 2025 13:50
 Operator : JC/MD
 Sample : Q3312-01 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

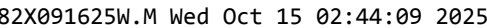
Quant Time: Oct 15 02:43:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

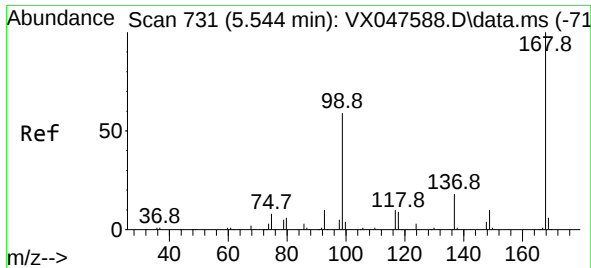
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.543	168	101666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	206997	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	221489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	109676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84720	52.352	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.700%	
35) Dibromofluoromethane	5.379	113	72190	52.001	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.000%	
50) Toluene-d8	8.634	98	247315	51.486	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	11.067	95	99710	54.694	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.380%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	295	0.343	ug/l #	53
10) Methyl Iodide	2.465	142	400	0.218	ug/l #	38
11) Tert butyl alcohol	2.934	59	282	1.565	ug/l #	72
16) Acetone	2.392	43	385	0.547	ug/l #	45
18) Methyl Acetate	2.727	43	383	0.245	ug/l #	54
20) Methylene Chloride	2.800	84	628	0.422	ug/l #	75
31) Cyclohexane	5.550	56	2489	1.164	ug/l #	49
36) 1,1-Dichloropropene	5.543	75	8762	4.319	ug/l #	51
38) Carbon Tetrachloride	5.543	117	10759	4.881	ug/l #	19
60) Dibromochloromethane	9.262	129	807	0.479	ug/l #	11
64) Tetrachloroethene	9.262	164	782	0.542	ug/l	88
76) 1,2,3-Trichloropropane	11.067	75	53552	24.116	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	53552	61.499	ug/l #	8

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

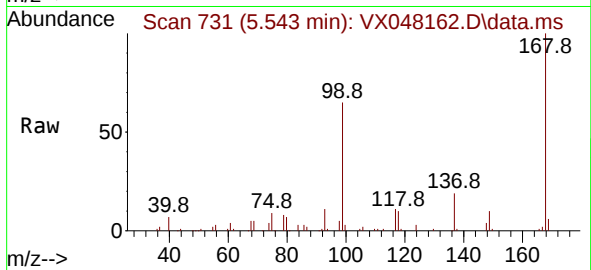
Quant Time: Oct 15 02:43:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



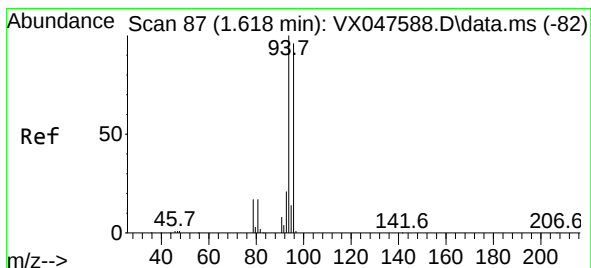
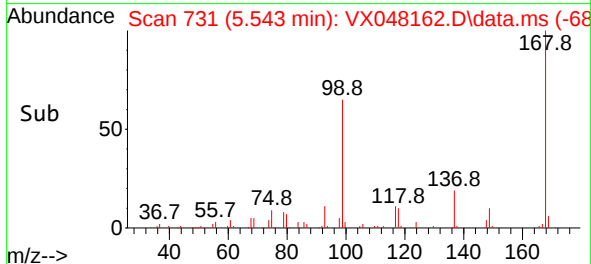
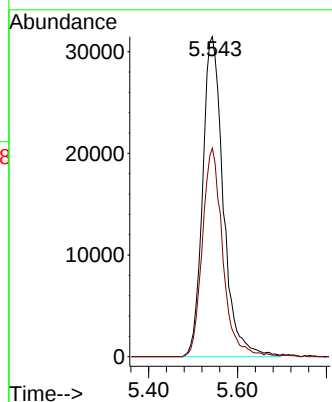


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :

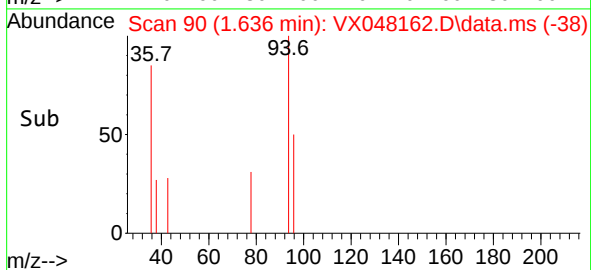
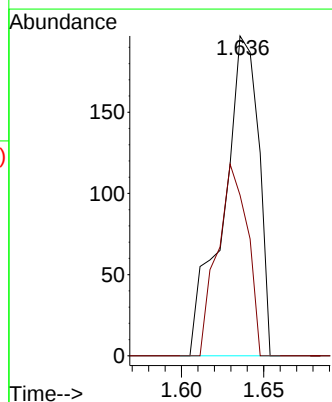
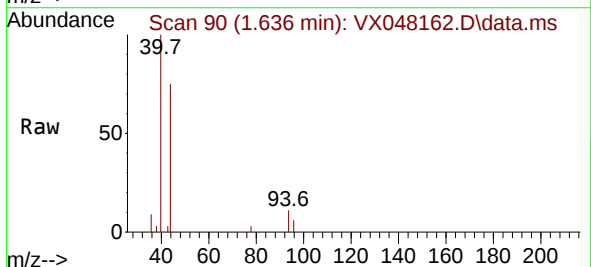


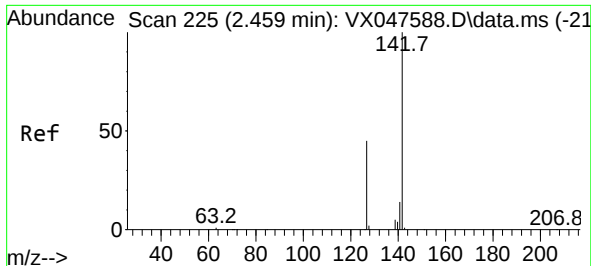
Tgt Ion:168 Resp: 101666
Ion Ratio Lower Upper
168 100
99 65.1 48.8 73.2



#5
Bromomethane
Concen: 0.343 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

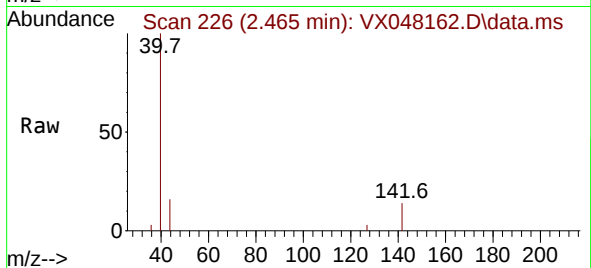
Tgt Ion: 94 Resp: 295
Ion Ratio Lower Upper
94 100
96 50.3 76.6 115.0#



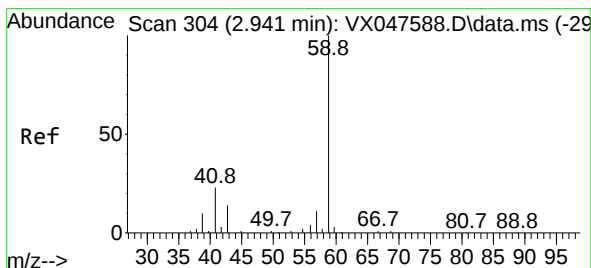
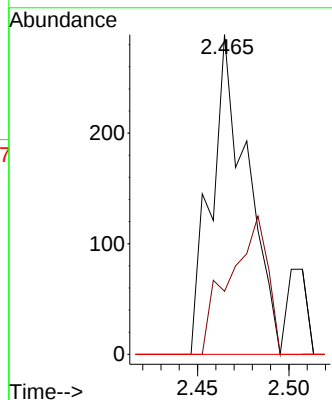
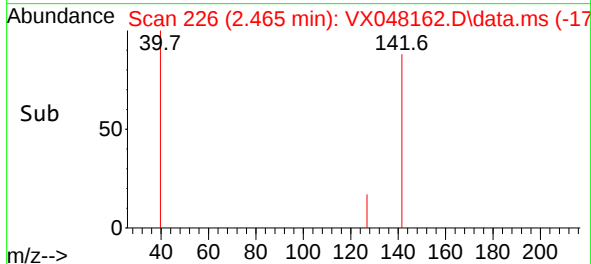


#10
Methyl Iodide
Concen: 0.218 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :

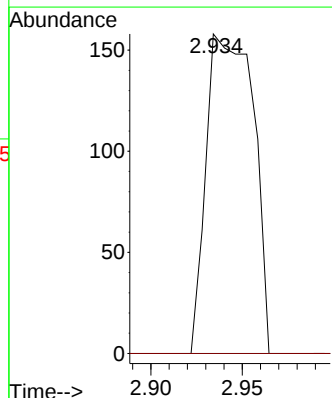
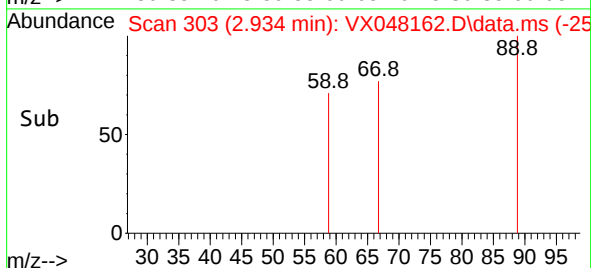
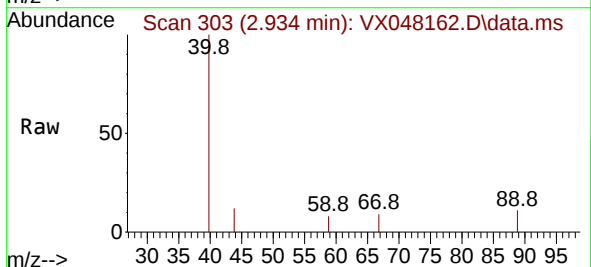


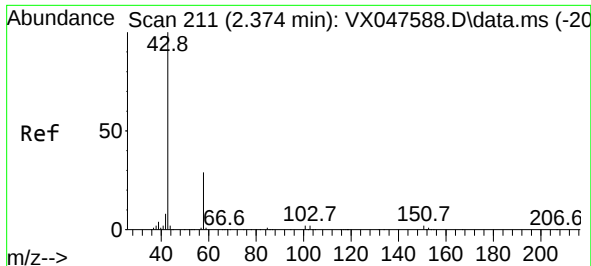
Tgt Ion:142 Resp: 400
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.565 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

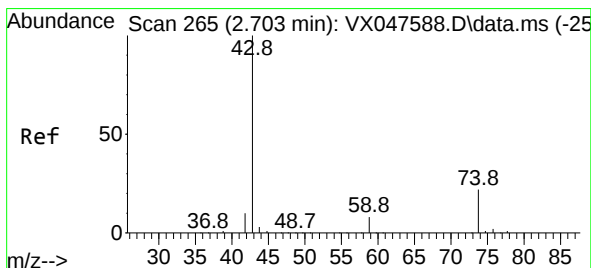
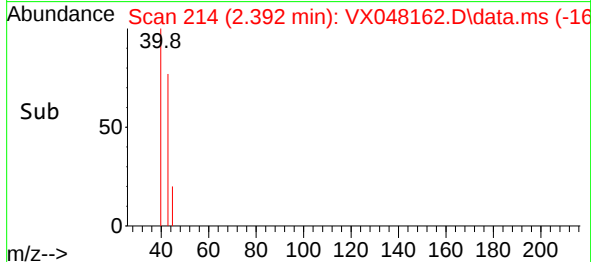
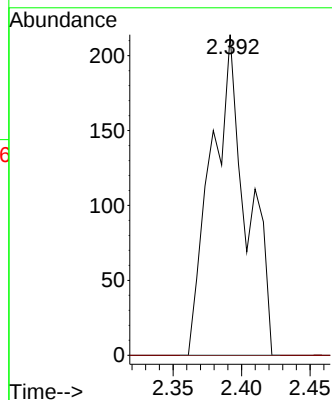
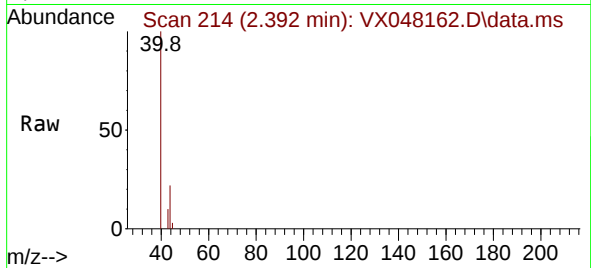




#16
Acetone
Concen: 0.547 ug/l
RT: 2.392 min Scan# 211
Delta R.T. 0.018 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

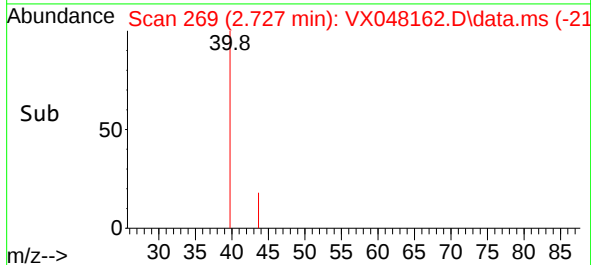
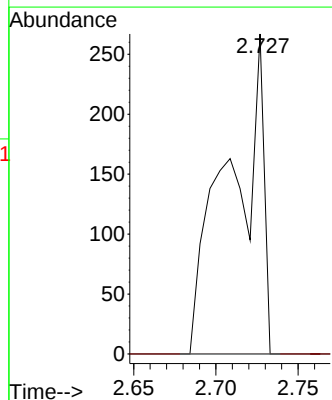
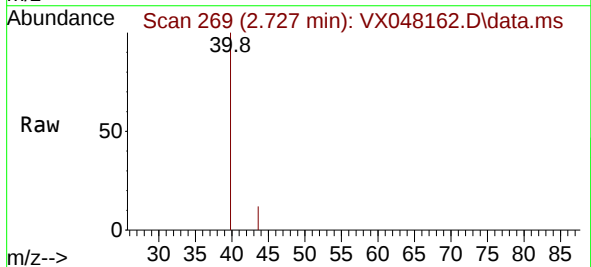
Instrument :
MSVOA_X
ClientSampleId :

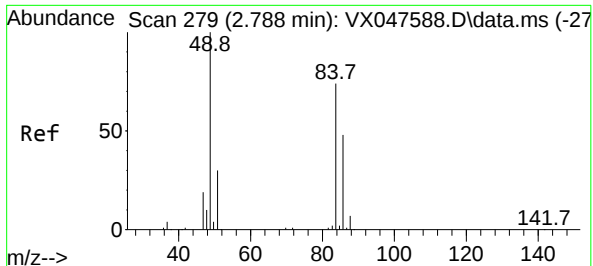
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.024 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

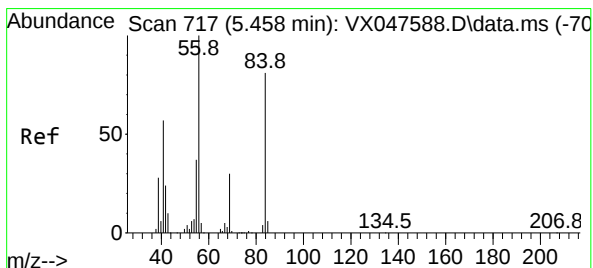
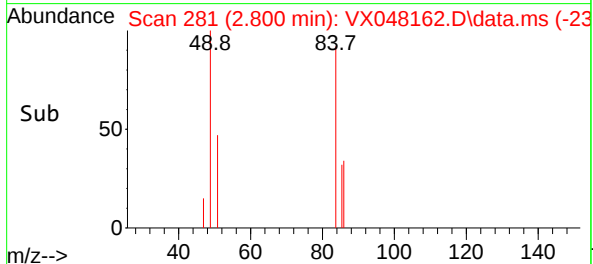
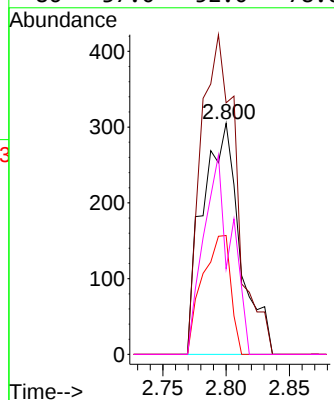
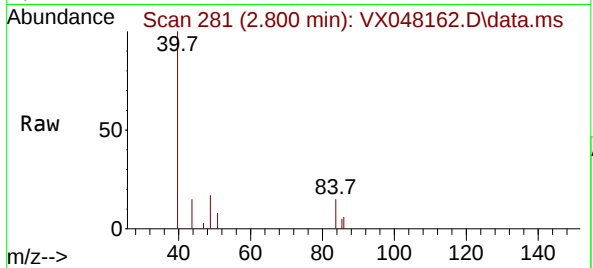




#20
Methylene Chloride
Concen: 0.422 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

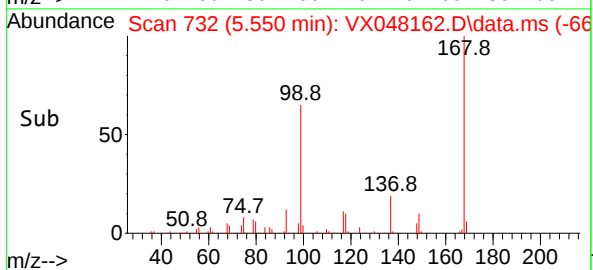
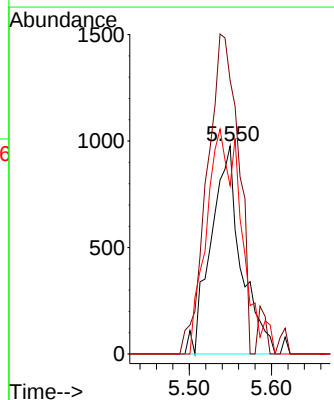
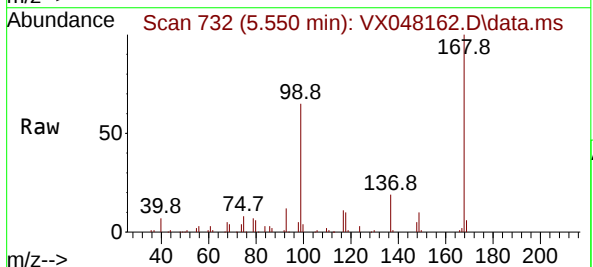
Instrument :
MSVOA_X
ClientSampleId :

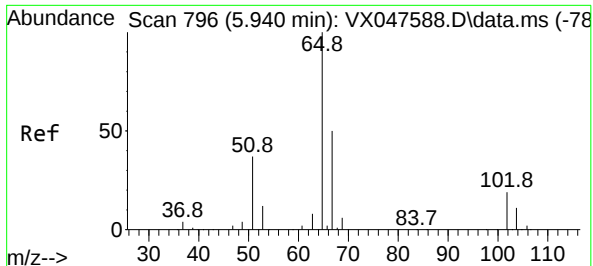
Tgt Ion: 84 Resp: 628
Ion Ratio Lower Upper
84 100
49 108.9 108.6 162.8
51 51.5 32.6 48.8#
86 37.0 52.0 78.0#



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

Tgt Ion: 56 Resp: 2489
Ion Ratio Lower Upper
56 100
69 131.5 23.8 35.8#
84 81.0 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 52.352 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048162.D

Acq: 14 Oct 2025 13:50

Instrument :

MSVOA_X

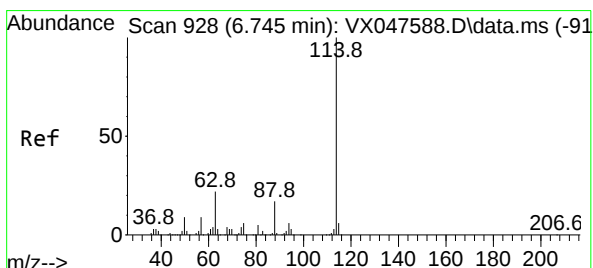
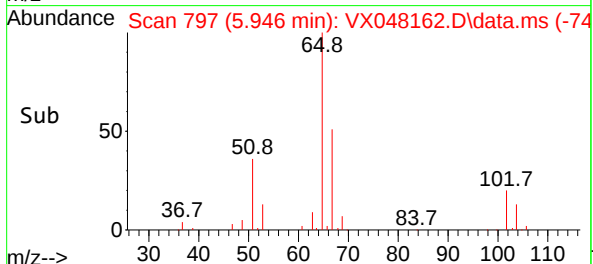
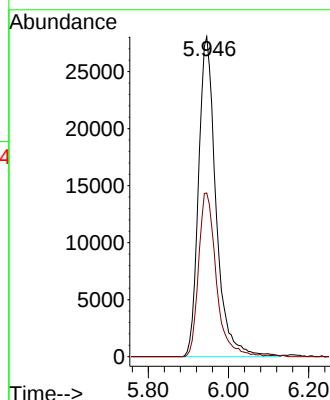
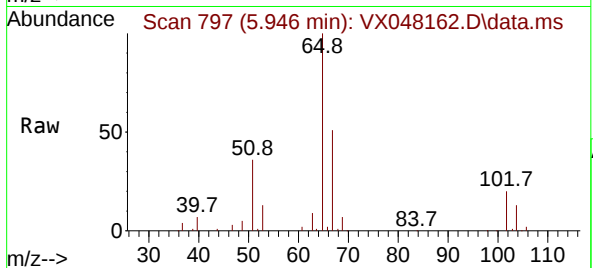
ClientSampleId :

Tgt Ion: 65 Resp: 84720

Ion Ratio Lower Upper

65 100

67 52.1 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: VX048162.D

Acq: 14 Oct 2025 13:50

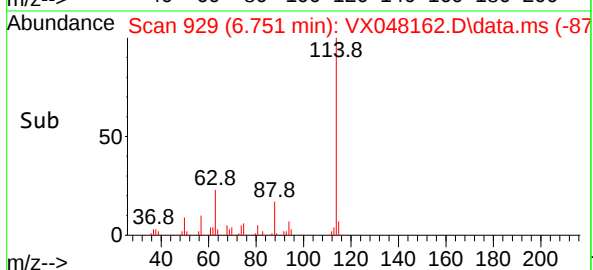
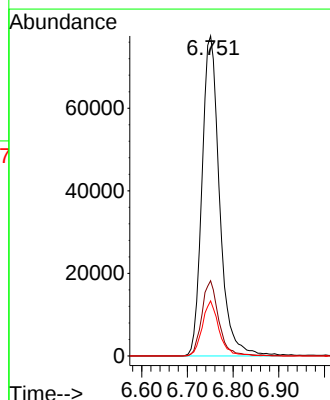
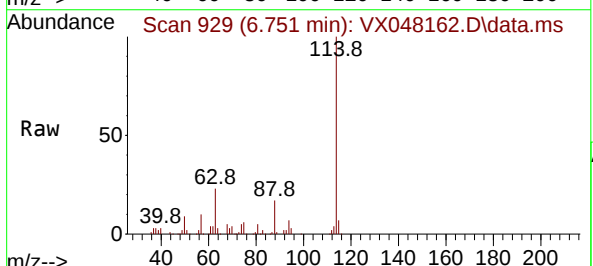
Tgt Ion: 114 Resp: 206997

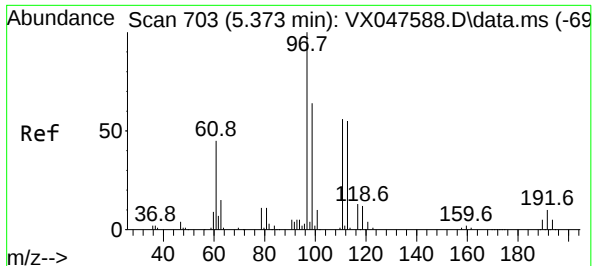
Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.0

88 17.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.001 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048162.D

Acq: 14 Oct 2025 13:50

Instrument :

MSVOA_X

ClientSampleId :

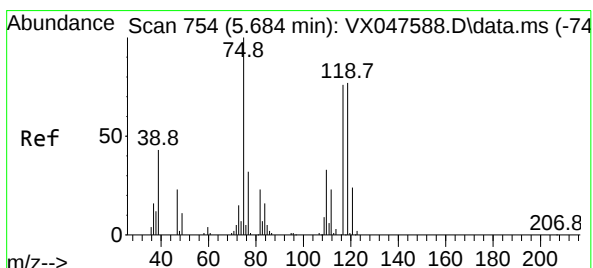
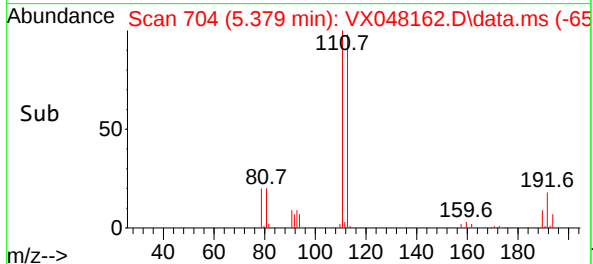
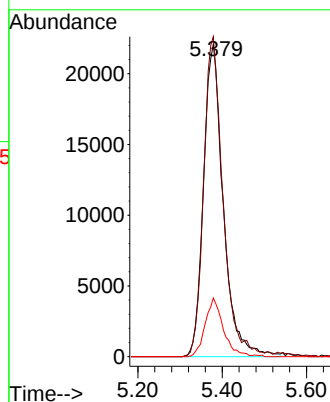
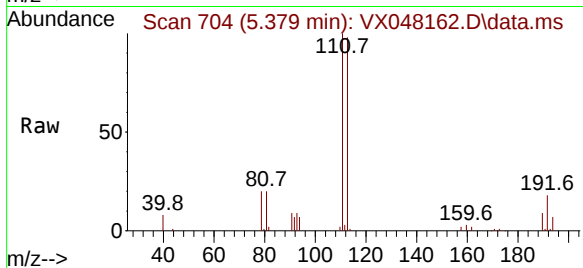
Tgt Ion:113 Resp: 72190

Ion Ratio Lower Upper

113 100

111 99.8 80.9 121.3

192 17.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.319 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.141 min

Lab File: VX048162.D

Acq: 14 Oct 2025 13:50

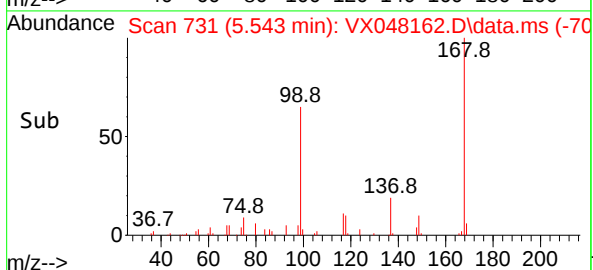
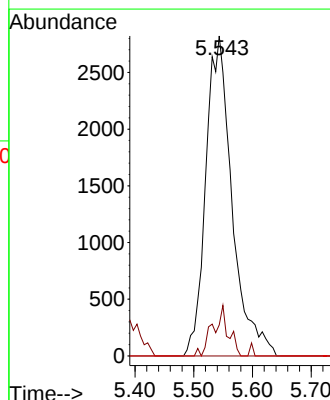
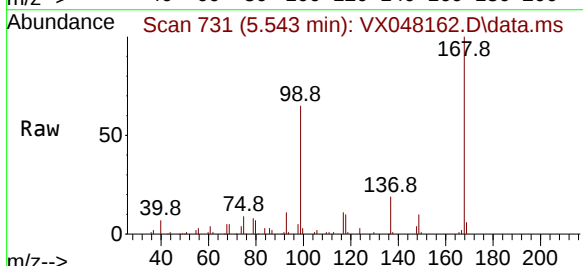
Tgt Ion: 75 Resp: 8762

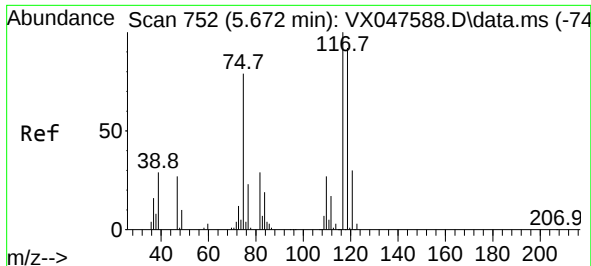
Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.1#

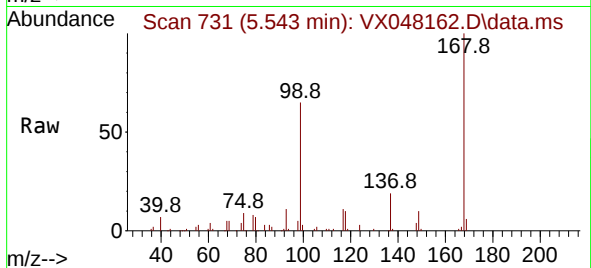
77 0.0 24.3 36.5#



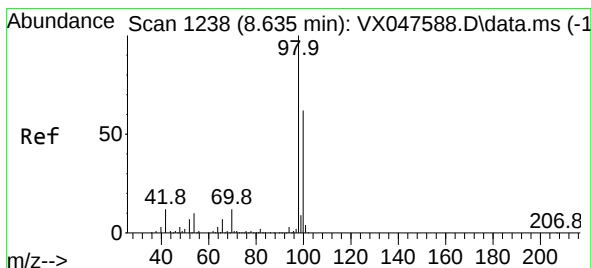
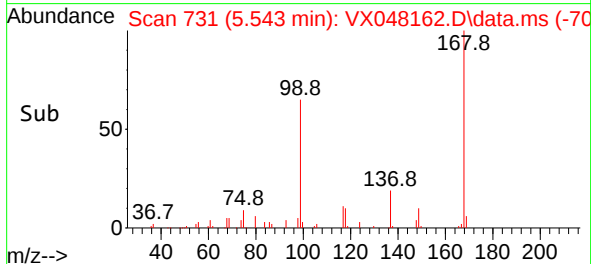
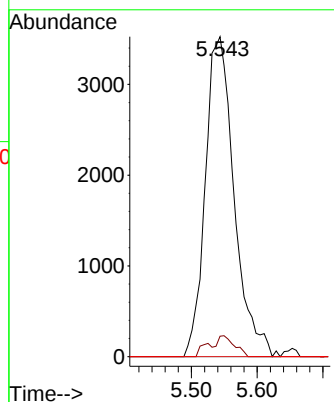


#38
Carbon Tetrachloride
Concen: 4.881 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :

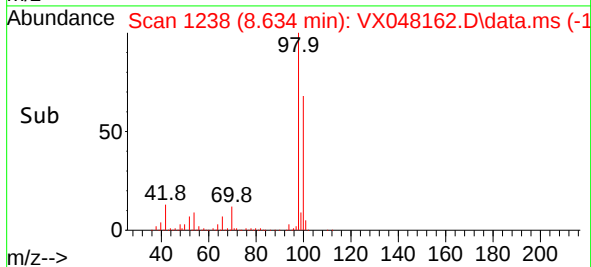
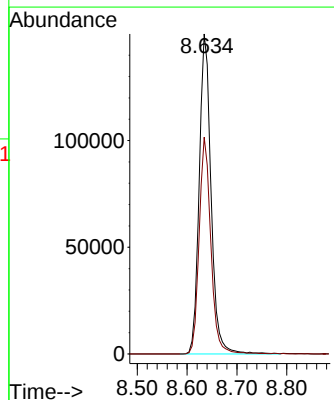
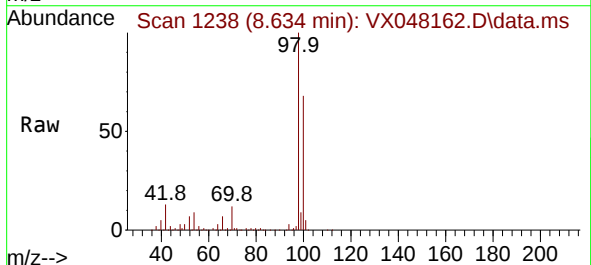


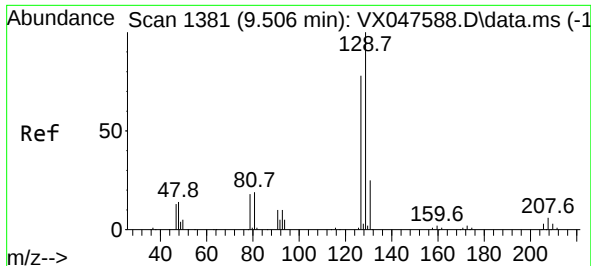
Tgt Ion:117 Resp: 10759
Ion Ratio Lower Upper
117 100
119 6.4 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.486 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

Tgt Ion: 98 Resp: 247315
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

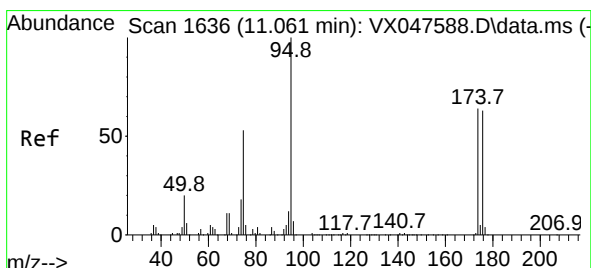
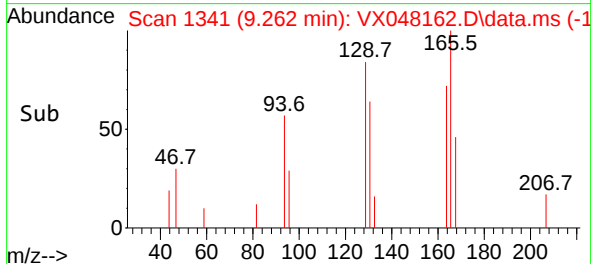
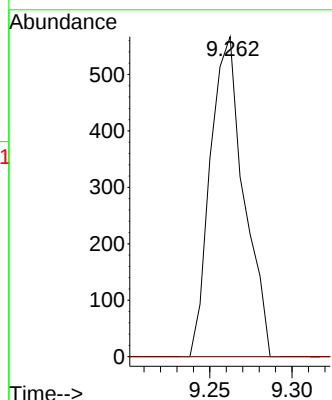
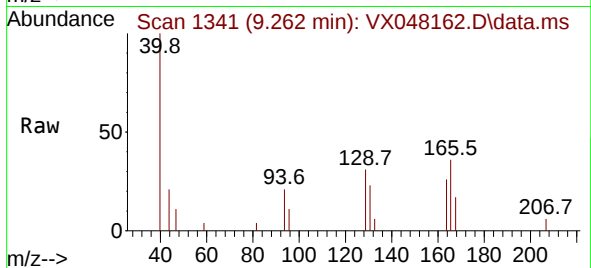




#60
Dibromochloromethane
Concen: 0.479 ug/l
RT: 9.262 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

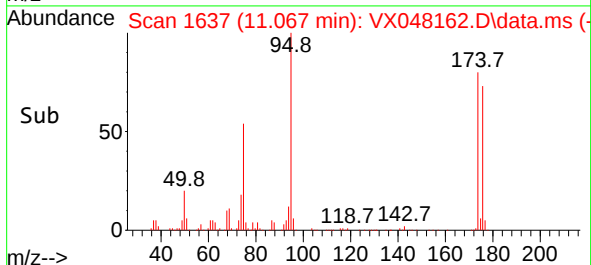
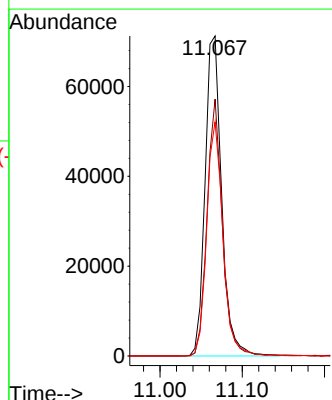
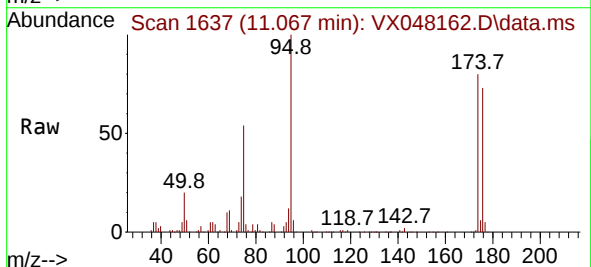
Instrument :
MSVOA_X
ClientSampleId :

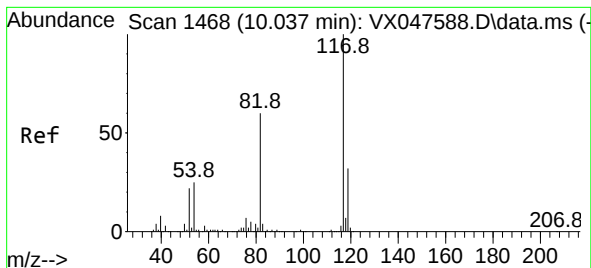
Tgt Ion:129 Resp: 807
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 54.694 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

Tgt Ion: 95 Resp: 99710
Ion Ratio Lower Upper
95 100
174 74.8 0.0 141.6
176 71.7 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

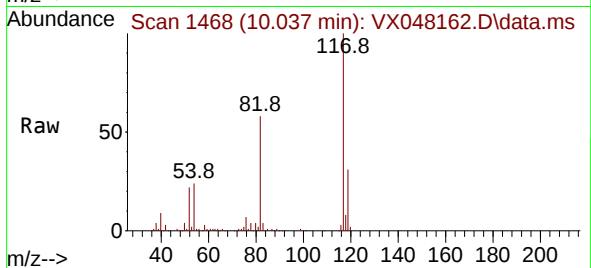
Lab File: VX048162.D

Acq: 14 Oct 2025 13:50

Instrument :

MSVOA_X

ClientSampleId :



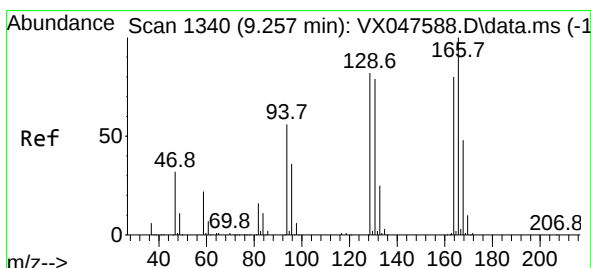
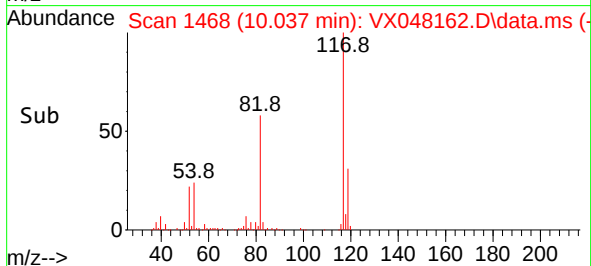
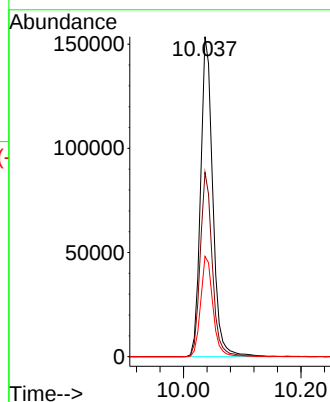
Tgt Ion:117 Resp: 221489

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.6

119 31.4 25.2 37.8



#64

Tetrachloroethene

Concen: 0.542 ug/l

RT: 9.262 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048162.D

Acq: 14 Oct 2025 13:50

Tgt Ion:164 Resp: 782

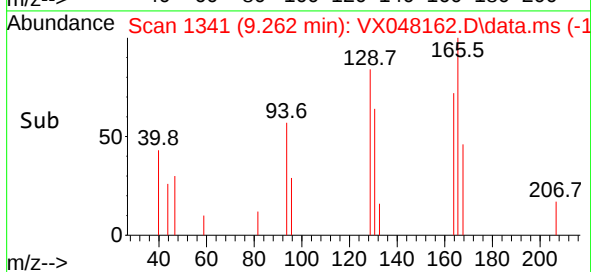
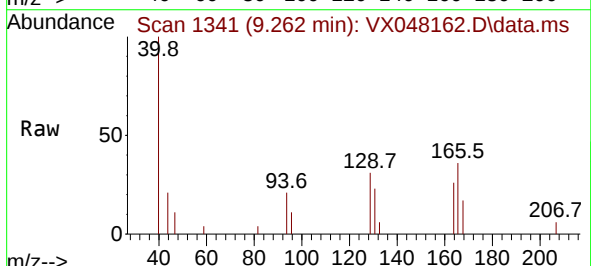
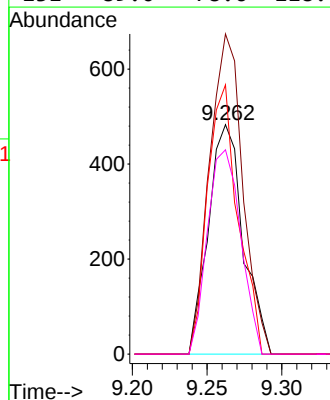
Ion Ratio Lower Upper

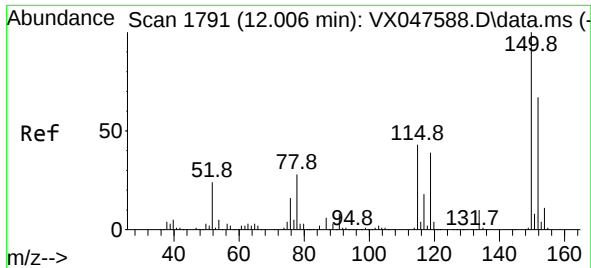
164 100

166 139.5 100.2 150.2

129 117.4 81.8 122.6

131 89.0 78.6 118.0

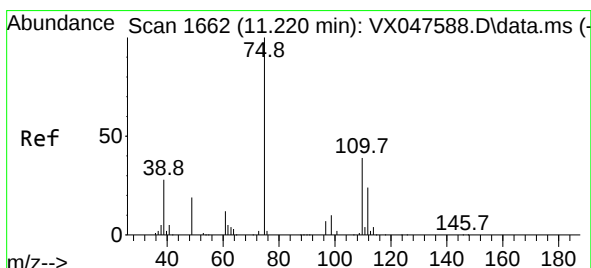
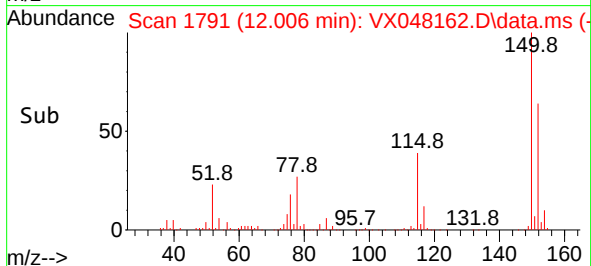
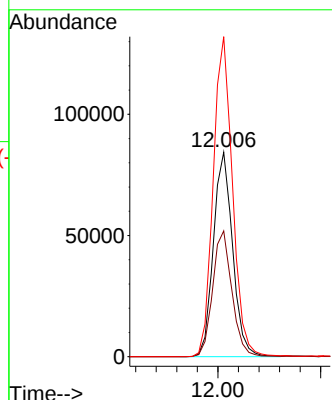
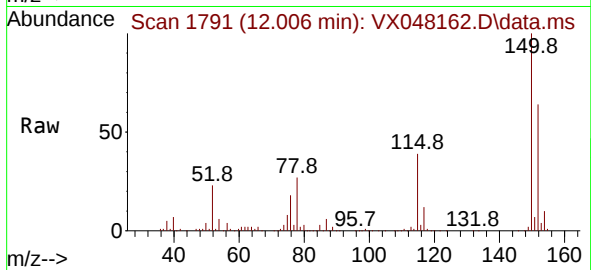




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

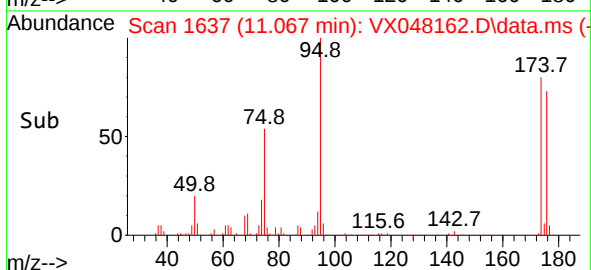
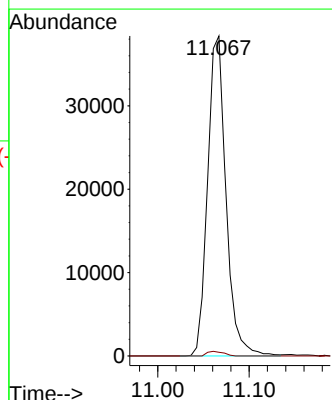
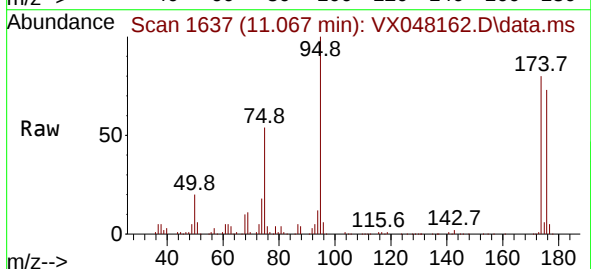
Instrument :
MSVOA_X
ClientSampleId :

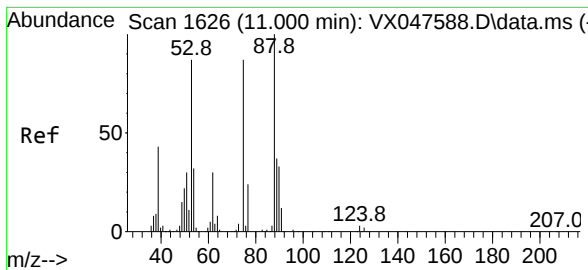
Tgt Ion:152 Resp: 109676
Ion Ratio Lower Upper
152 100
115 62.0 44.9 134.5
150 157.2 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 24.116 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.153 min
Lab File: VX048162.D
Acq: 14 Oct 2025 13:50

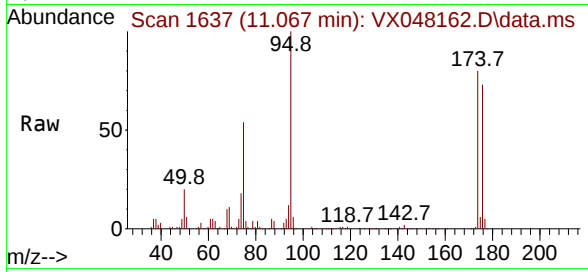
Tgt Ion: 75 Resp: 53552
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.499 ug/l
 RT: 11.067 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX048162.D
 Acq: 14 Oct 2025 13:50

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 53552
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

