

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048744.D
 Acq On : 08 Dec 2025 11:15
 Operator : JC/MD
 Sample : VX1208WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1208WBL01

Quant Time: Dec 09 04:06:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

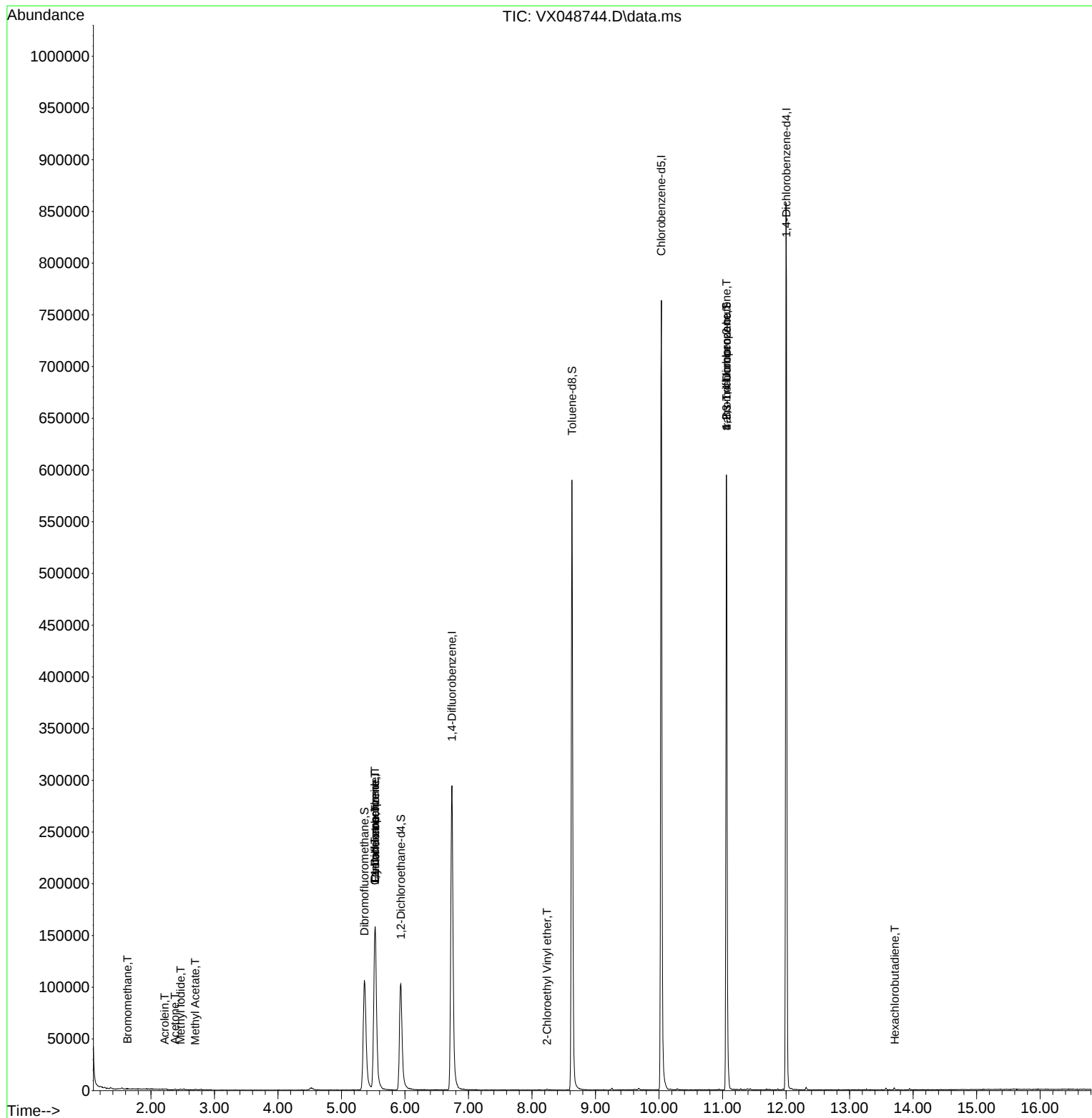
Internal Standards						
1) Pentafluorobenzene	5.531	168	173343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	340953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	370451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	179749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115181	49.507	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.020%
35) Dibromofluoromethane	5.361	113	107991	46.001	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.000%
50) Toluene-d8	8.629	98	372131	45.222	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.440%#
62) 4-Bromofluorobenzene	11.061	95	158378	55.813	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.620%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	314	0.214	ug/l #	66
10) Methyl Iodide	2.465	142	802	0.286	ug/l #	89
13) Acrolein	2.215	56	22	40.228	ug/l #	15
16) Acetone	2.380	43	467	0.524	ug/l	96
18) Methyl Acetate	2.697	43	806	0.322	ug/l #	77
31) Cyclohexane	5.531	56	3103	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.525	75	12062	3.751	ug/l #	49
38) Carbon Tetrachloride	5.525	117	17064	4.685	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.238	63	508	0.260	ug/l #	64
76) 1,2,3-Trichloropropane	11.061	75	83239	24.863	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	83239	59.060	ug/l #	3
94) Hexachlorobutadiene	13.713	225	434	0.275	ug/l	71
95) Naphthalene	13.762	128	532	Below Cal	#	69

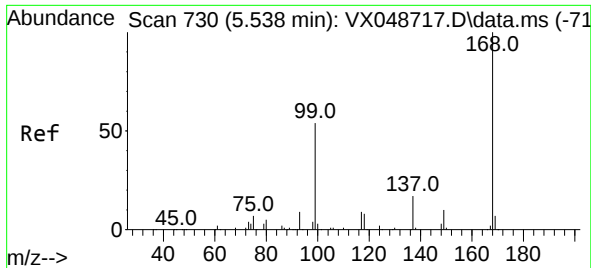
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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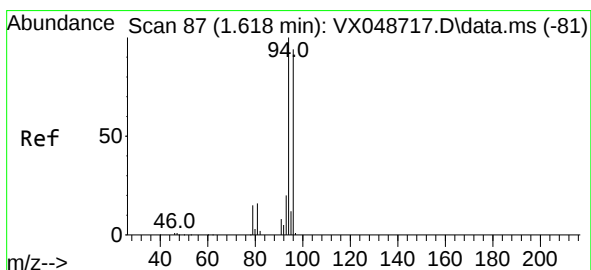
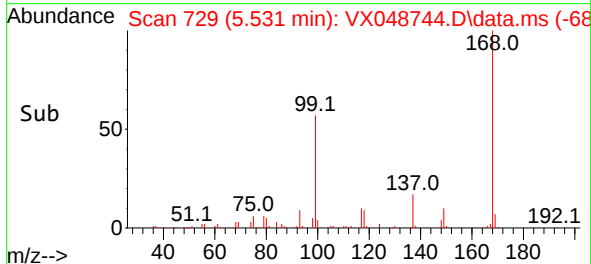
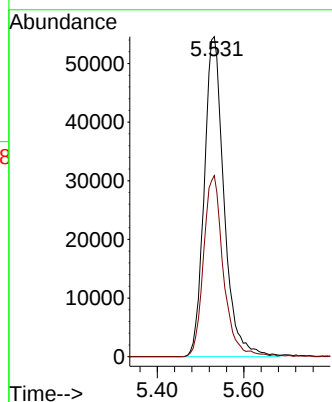
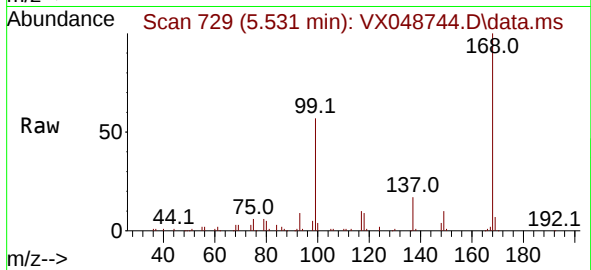




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

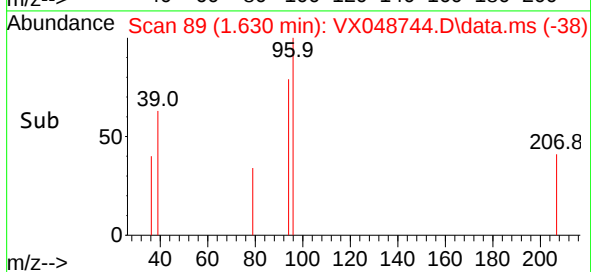
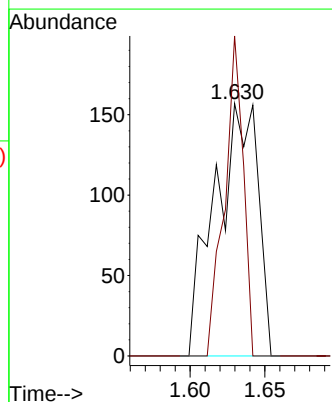
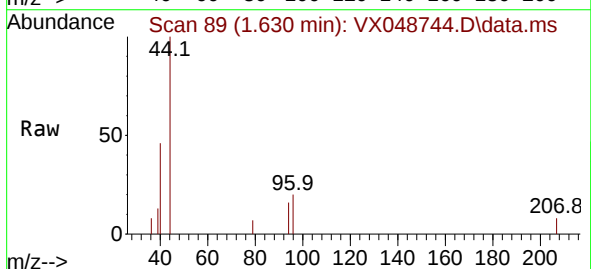
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

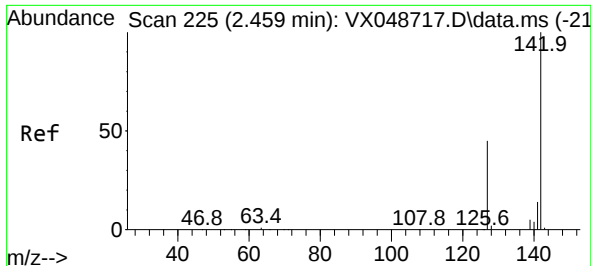
Tgt Ion:168 Resp: 173343
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#5
Bromomethane
Concen: 0.214 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

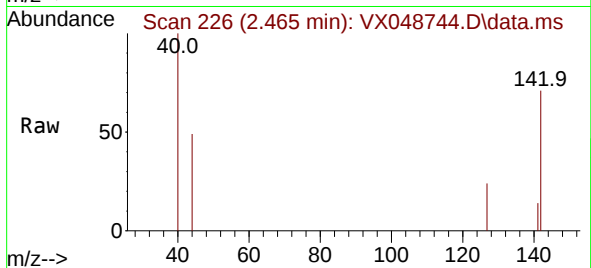
Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 126.8 75.2 112.8#



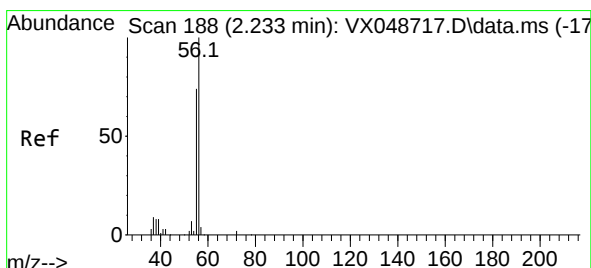
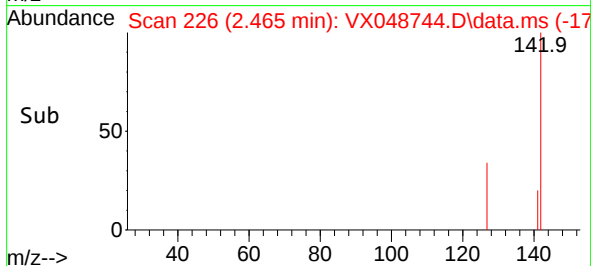
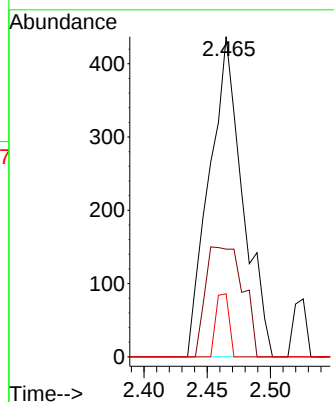


#10
Methyl Iodide
Concen: 0.286 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

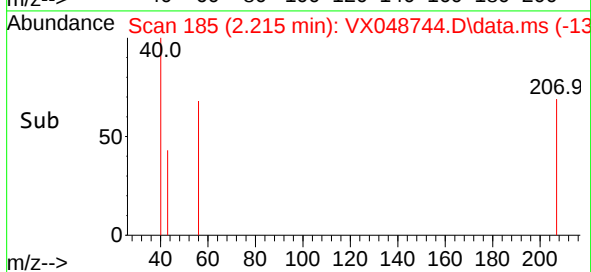
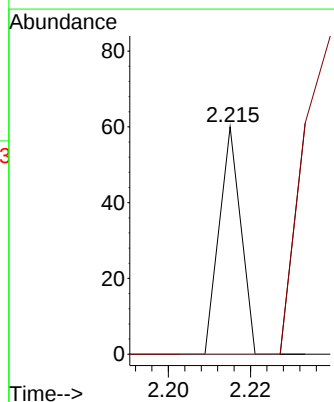
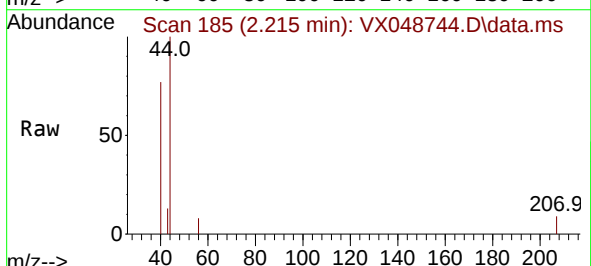


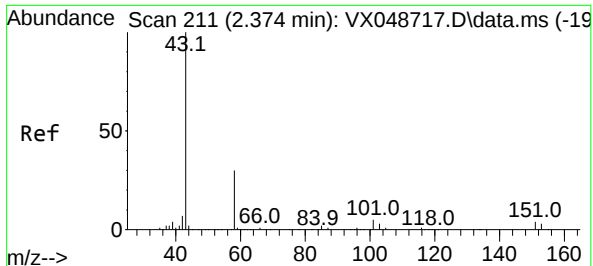
Tgt Ion:142 Resp: 802
Ion Ratio Lower Upper
142 100
127 38.4 35.8 53.6
141 7.7 11.1 16.7#



#13
Acrolein
Concen: 40.228 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.018 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#

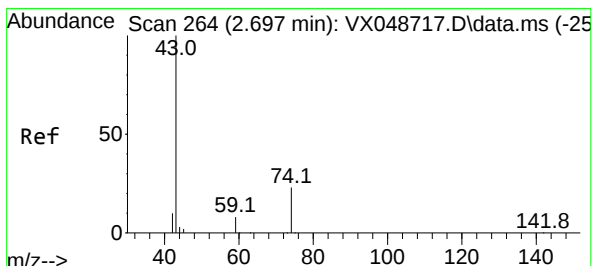
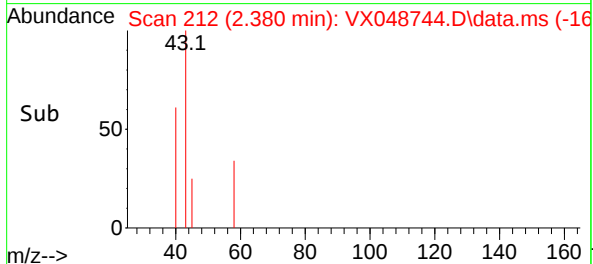
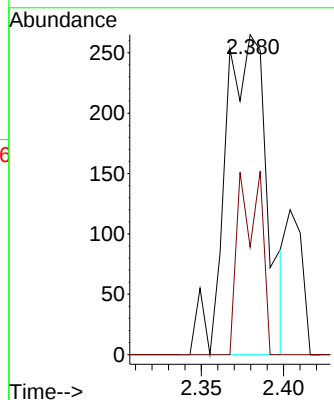
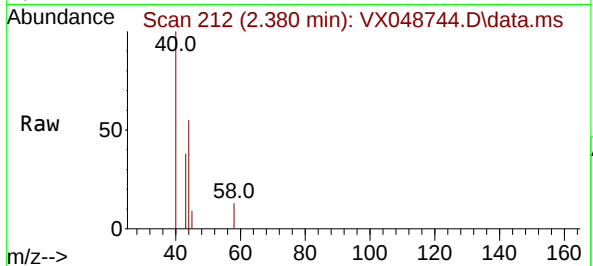




#16
Acetone
Concen: 0.524 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

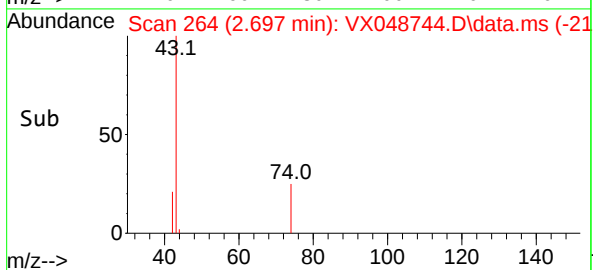
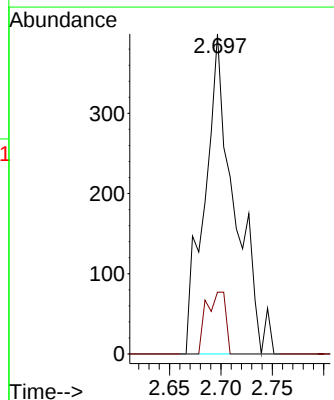
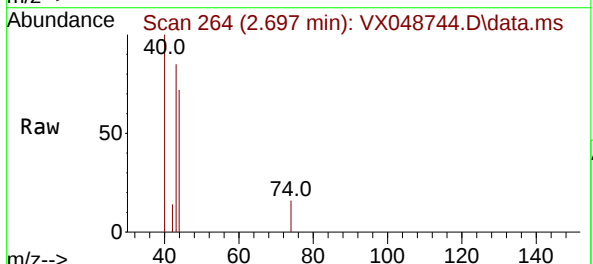
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

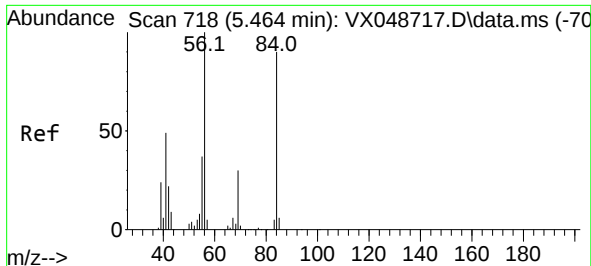
Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
58 33.6 25.0 37.4



#18
Methyl Acetate
Concen: 0.322 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
74 12.4 19.2 28.8#

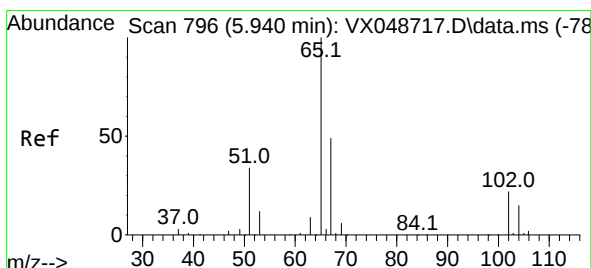
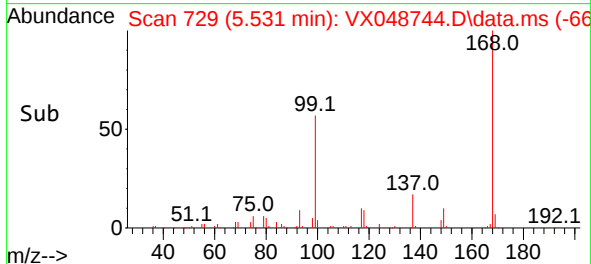
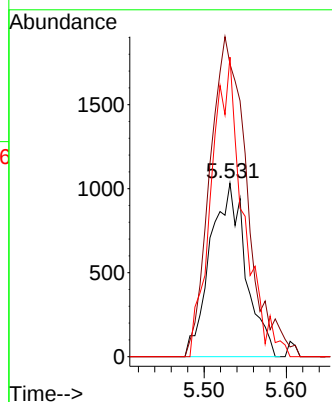
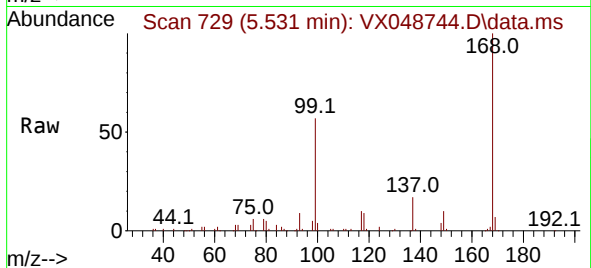




#31
Cyclohexane
Concen: 0.987 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

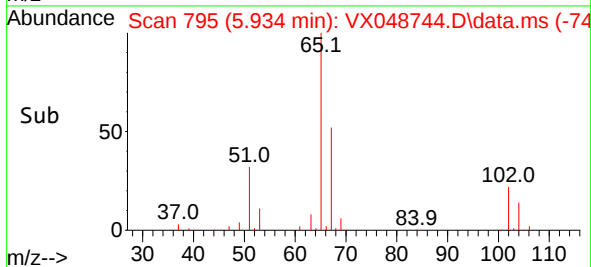
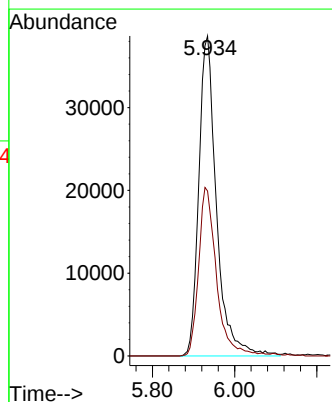
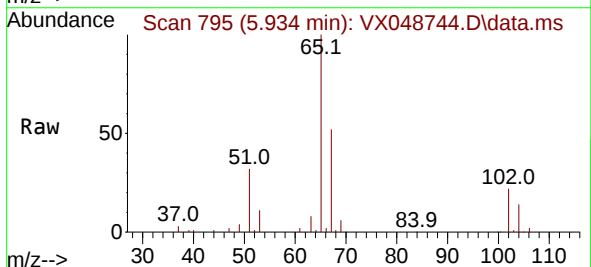
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

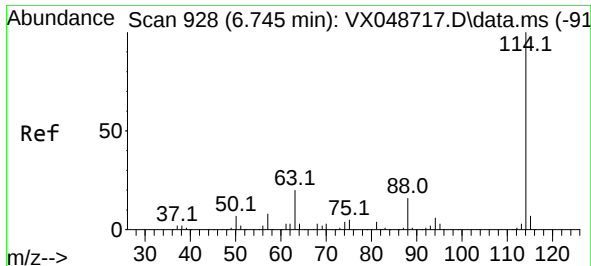
Tgt Ion: 56 Resp: 3103
Ion Ratio Lower Upper
56 100
69 168.6 24.2 36.2#
84 172.6 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 49.507 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 65 Resp: 115181
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4

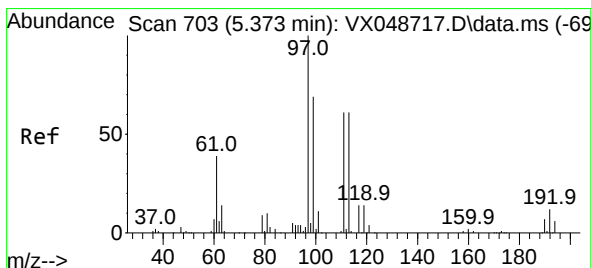
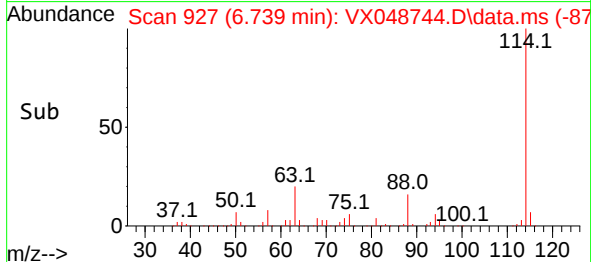
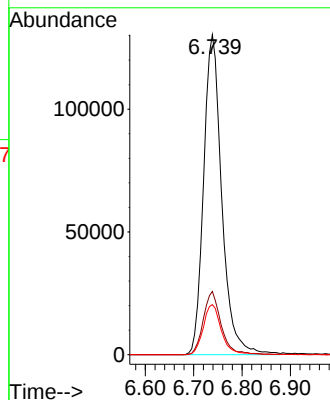
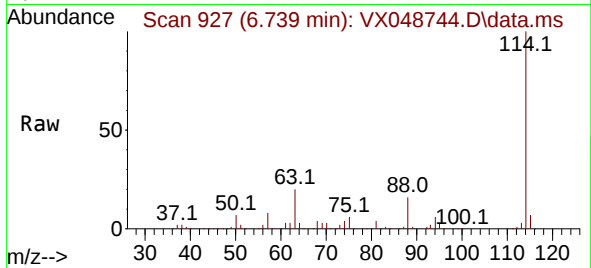




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

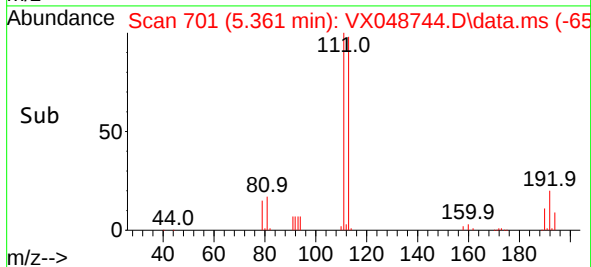
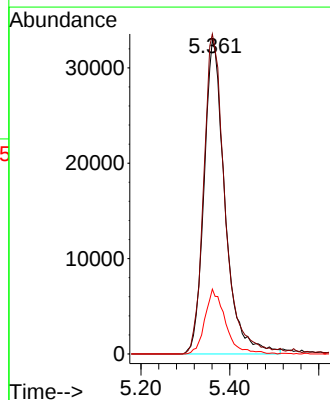
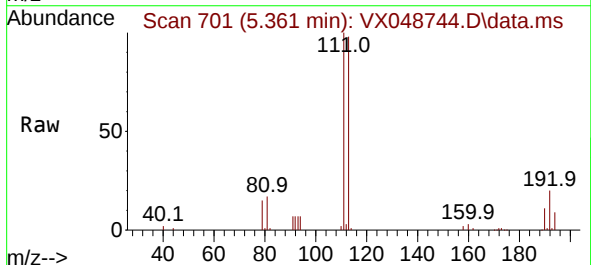
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

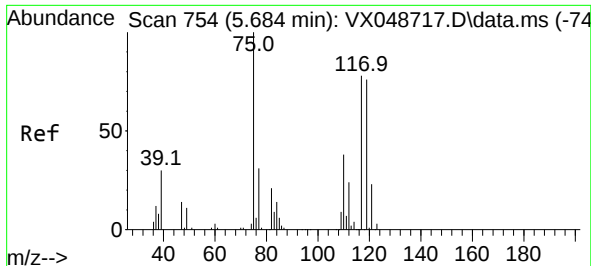
Tgt Ion:114 Resp: 340953
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.0
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.001 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion:113 Resp: 107991
Ion Ratio Lower Upper
113 100
111 102.8 79.5 119.3
192 20.1 16.1 24.1





#36

1,1-Dichloropropene

Concen: 3.751 ug/l

RT: 5.525 min Scan# 71

Delta R.T. -0.159 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

VX1208WBL01

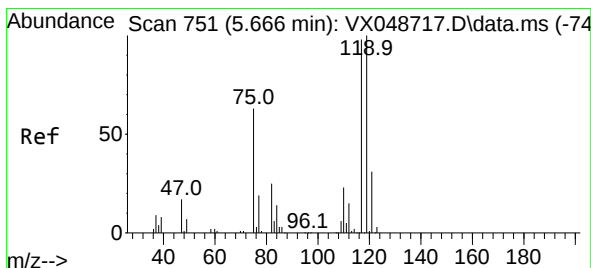
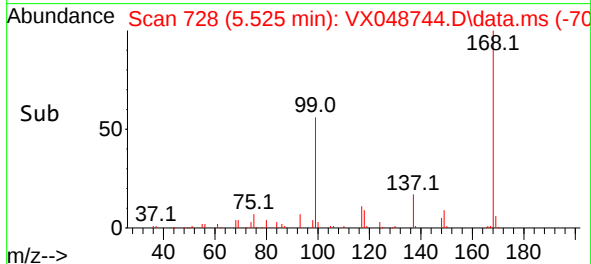
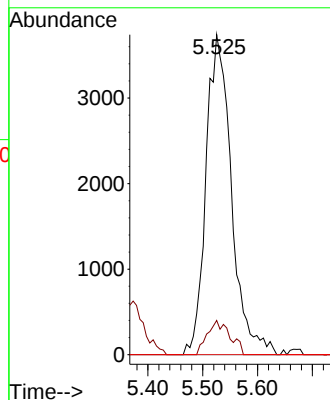
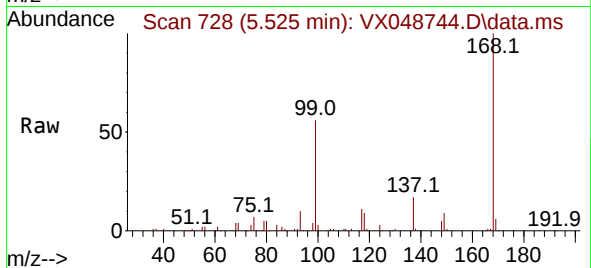
Tgt Ion: 75 Resp: 12062

Ion Ratio Lower Upper

75 100

110 9.5 18.6 55.8#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.685 ug/l

RT: 5.525 min Scan# 728

Delta R.T. -0.140 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

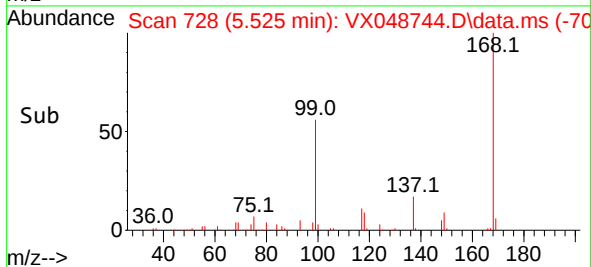
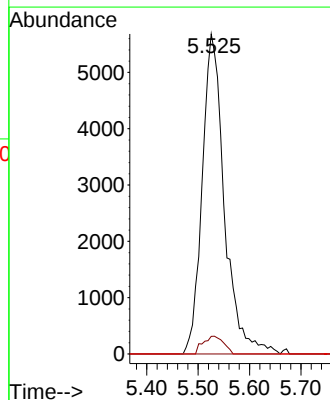
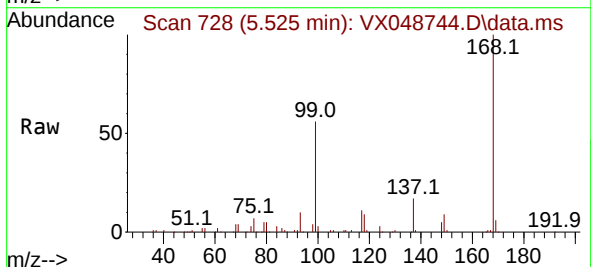
Tgt Ion: 117 Resp: 17064

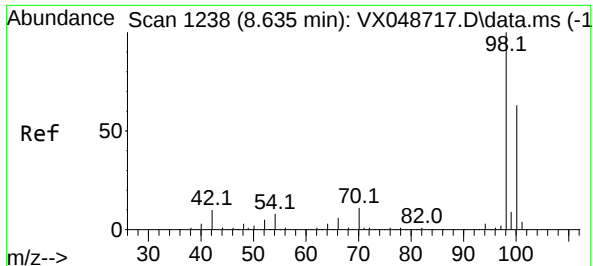
Ion Ratio Lower Upper

117 100

119 5.5 80.5 120.7#

121 0.0 25.4 38.0#

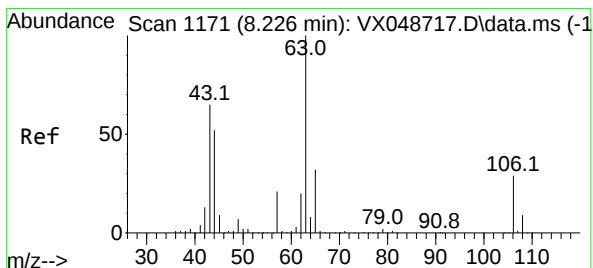
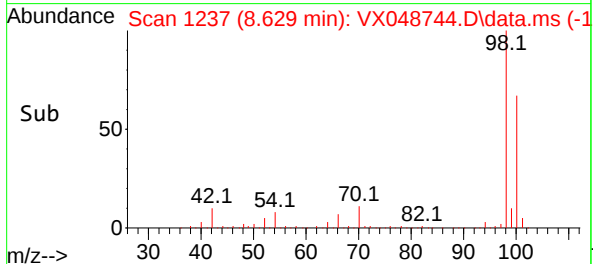
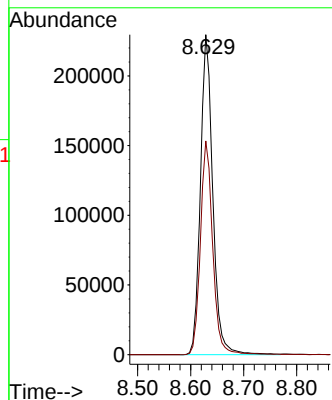
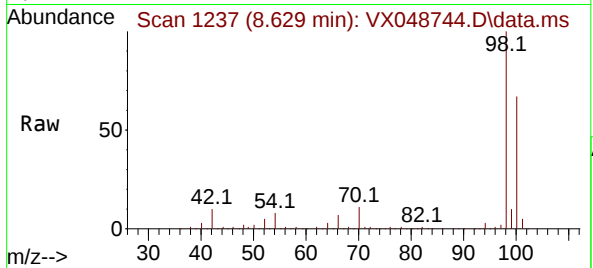




#50
Toluene-d8
Concen: 45.222 ug/l
RT: 8.629 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

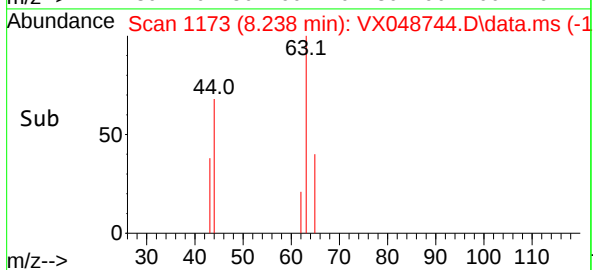
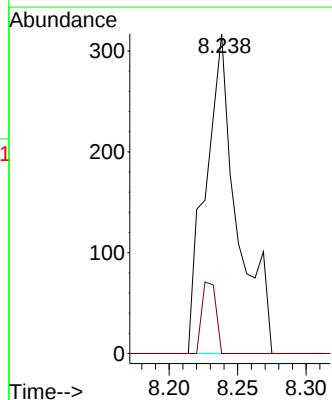
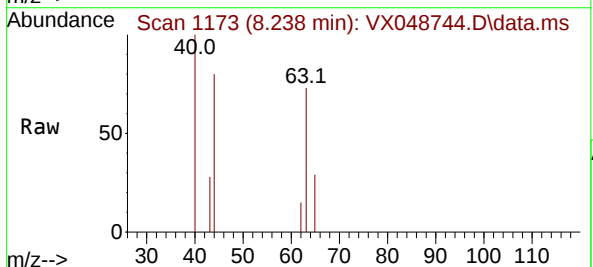
Instrument :
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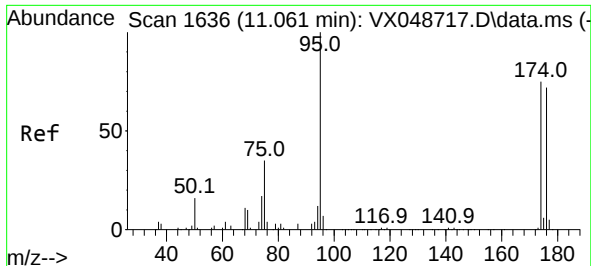
Tgt Ion: 98 Resp: 372131
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.260 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.012 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 63 Resp: 508
Ion Ratio Lower Upper
63 100
106 10.0 23.4 35.2#

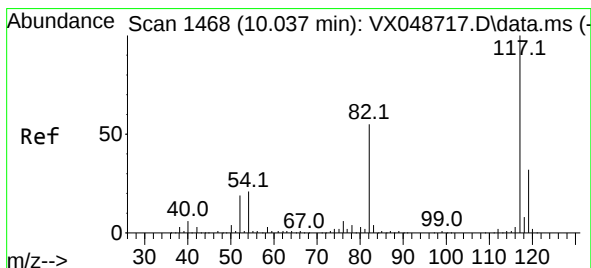
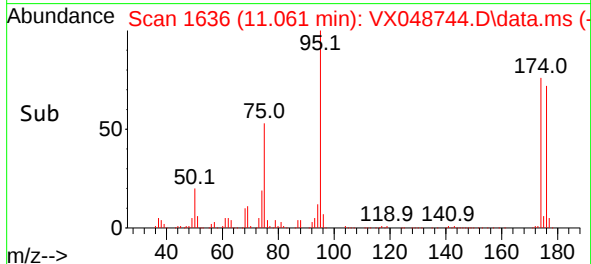
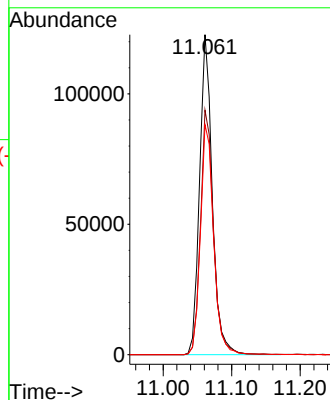
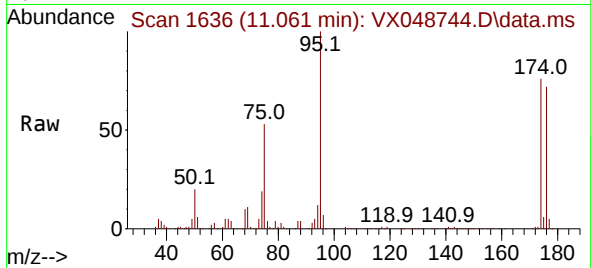




#62
4-Bromofluorobenzene
Concen: 55.813 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

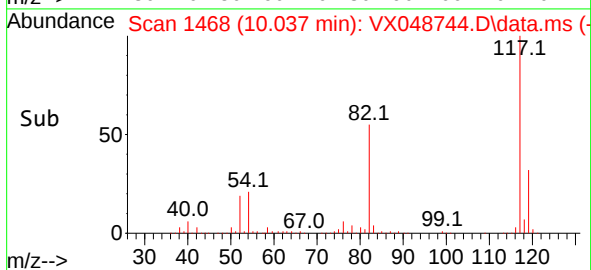
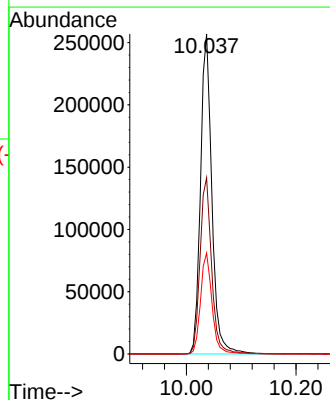
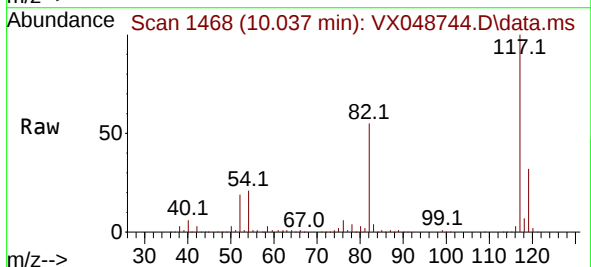
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

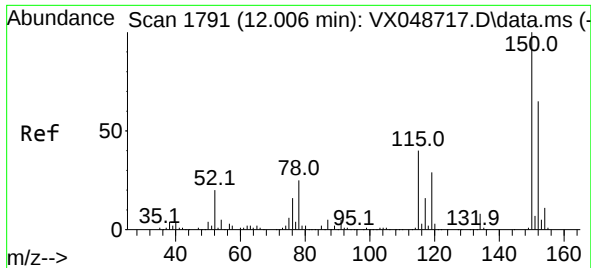
Tgt Ion: 95 Resp: 158378
Ion Ratio Lower Upper
95 100
174 78.8 0.0 157.8
176 74.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 117 Resp: 370451
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 31.5 25.2 37.8

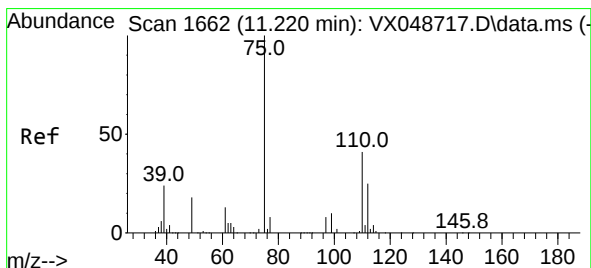
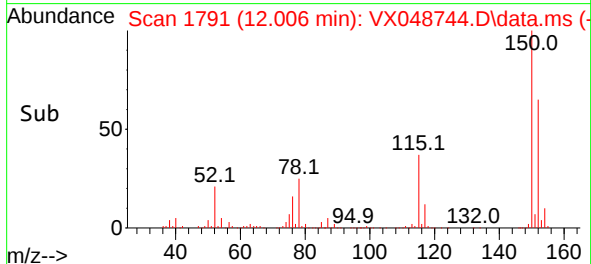
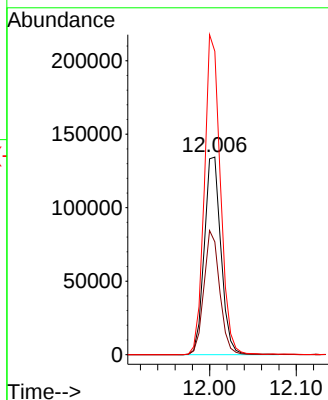
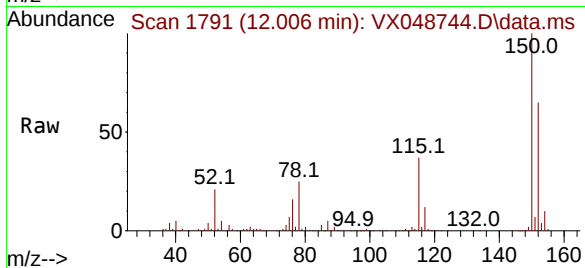




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048744.D
 Acq: 08 Dec 2025 11:15

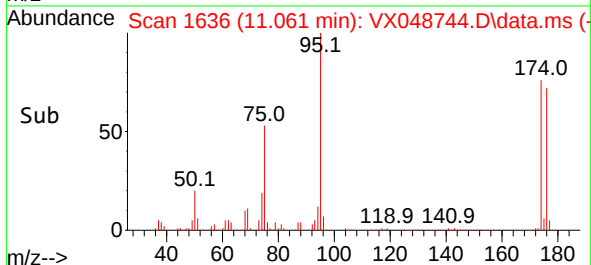
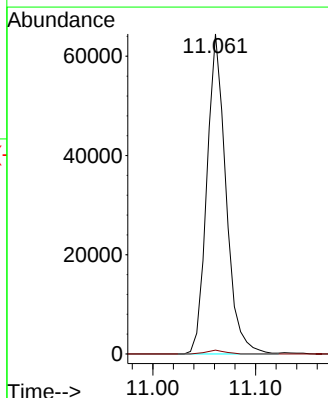
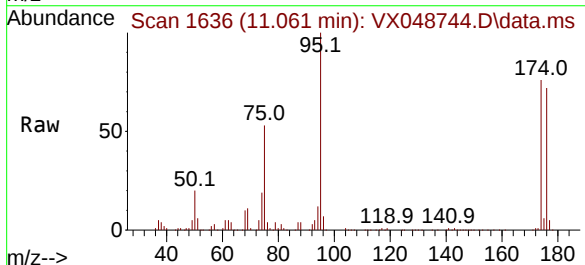
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1208WBL01

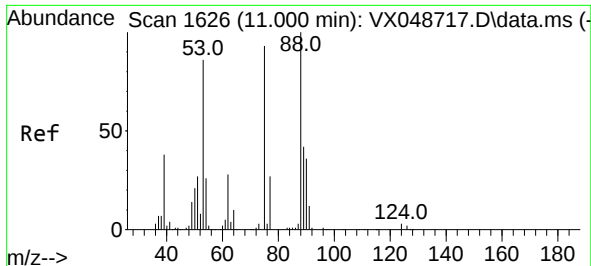
Tgt Ion:152 Resp: 179749
 Ion Ratio Lower Upper
 152 100
 115 59.4 42.1 126.4
 150 155.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 24.863 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048744.D
 Acq: 08 Dec 2025 11:15

Tgt Ion: 75 Resp: 83239
 Ion Ratio Lower Upper
 75 100
 77 1.2 24.3 73.0#

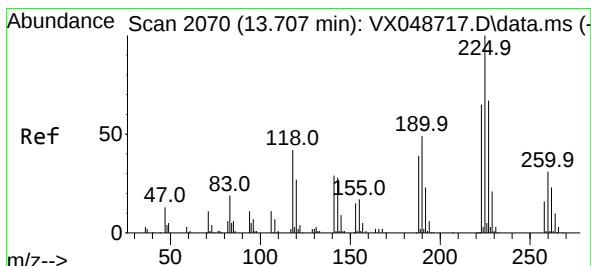
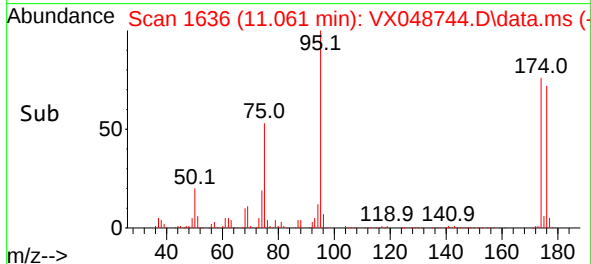
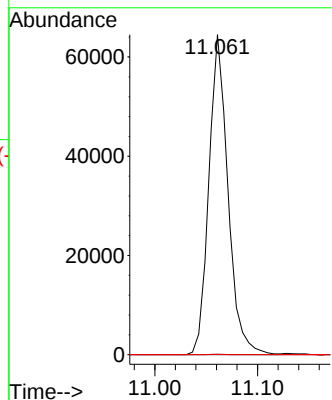
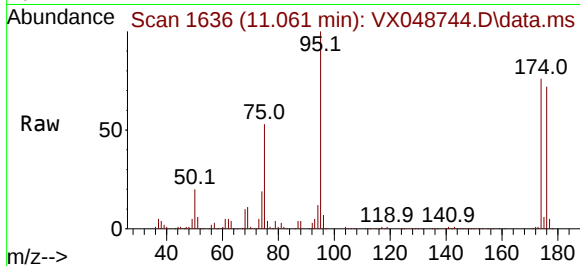




#81
trans-1,4-Dichloro-2-butene
Concen: 59.060 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

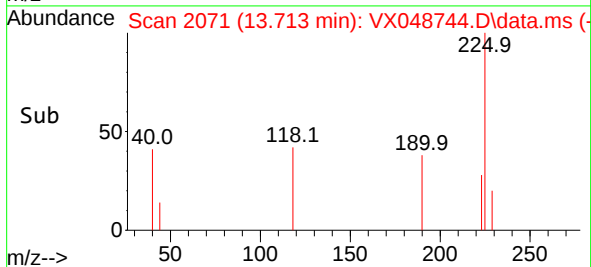
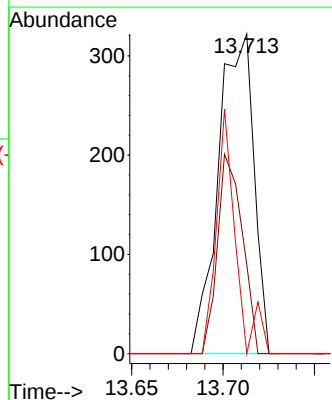
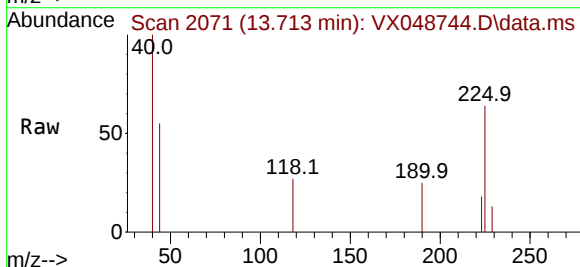
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

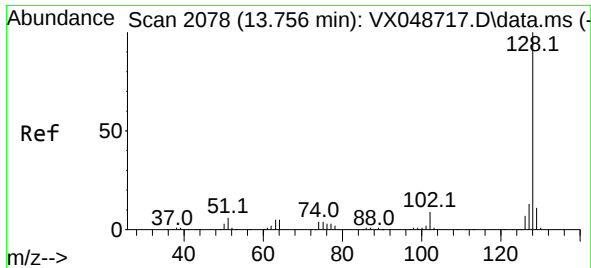
Tgt Ion: 75 Resp: 83239
Ion Ratio Lower Upper
75 100
53 0.1 79.9 119.9#
89 0.0 67.1 100.7#



#94
Hexachlorobutadiene
Concen: 0.275 ug/l
RT: 13.713 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

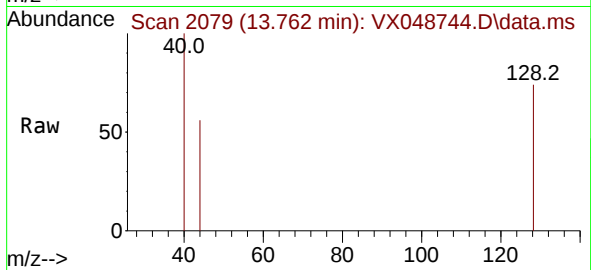
Tgt Ion: 225 Resp: 434
Ion Ratio Lower Upper
225 100
223 43.8 33.0 98.9
227 41.7 32.9 98.7





#95
Naphthalene
Concen: Below Cal
RT: 13.762 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01



Tgt Ion:128 Resp: 532
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

