

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048798.D
 Acq On : 10 Dec 2025 10:31
 Operator : JC/MD
 Sample : VX1210WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210MBL01

Quant Time: Dec 11 00:18:50 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)

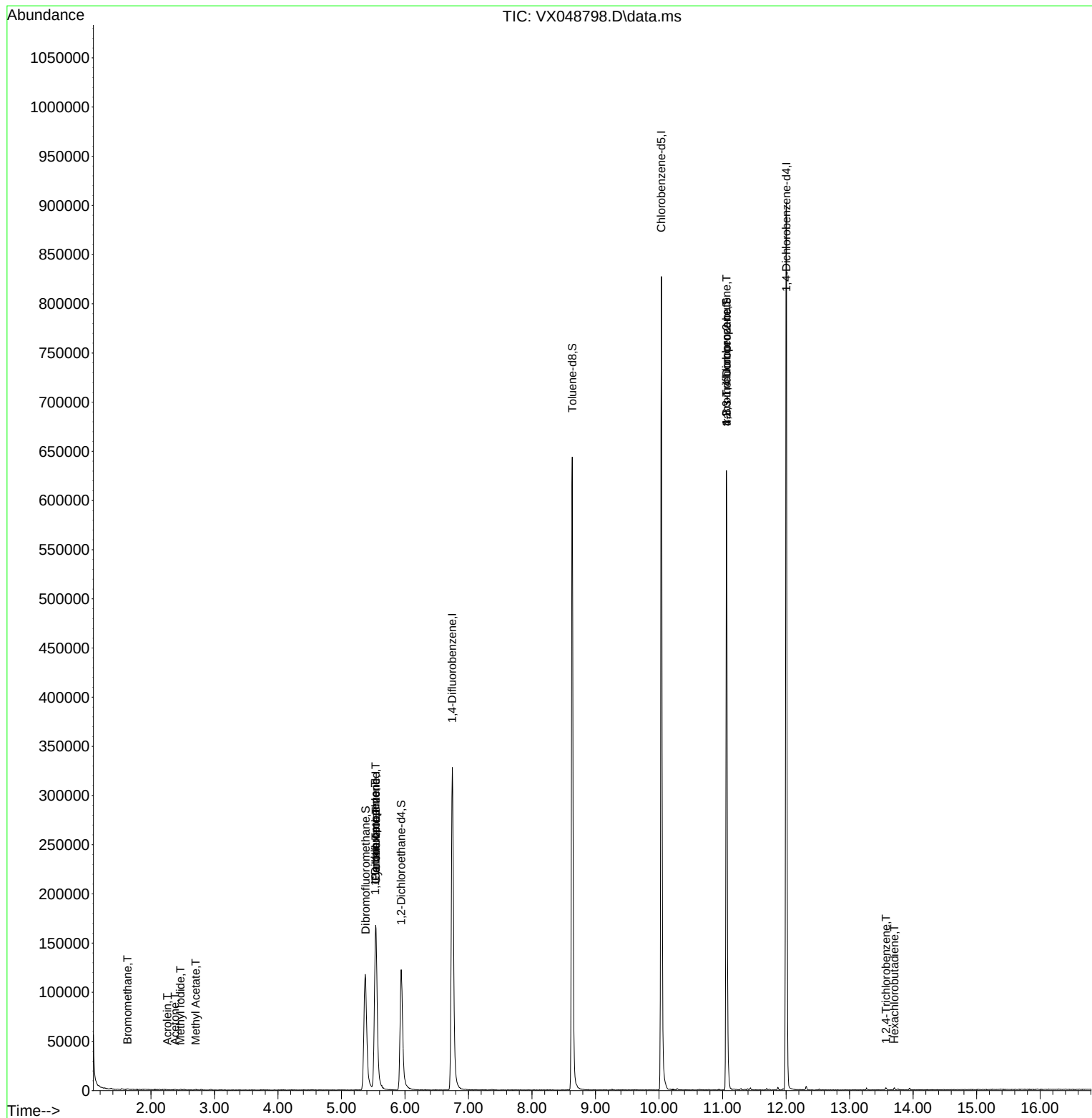
Internal Standards						
1) Pentafluorobenzene	5.537	168	177328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	367865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	398696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	206043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	134189	56.380	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.760%	
35) Dibromofluoromethane	5.379	113	117279	46.302	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.600%	
50) Toluene-d8	8.634	98	413658	46.591	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.180%	
62) 4-Bromofluorobenzene	11.061	95	183765	60.022	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.040%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	402	0.268	ug/l	94
10) Methyl Iodide	2.465	142	713	0.248	ug/l #	86
13) Acrolein	2.258	56	29	40.243	ug/l #	15
16) Acetone	2.380	43	712	0.781	ug/l #	73
18) Methyl Acetate	2.703	43	908	0.354	ug/l	99
31) Cyclohexane	5.544	56	3444	1.071	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	13381	3.857	ug/l #	48
38) Carbon Tetrachloride	5.537	117	17750	4.517	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	91062	23.729	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	91062	56.365	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.573	180	932	0.213	ug/l	82
94) Hexachlorobutadiene	13.707	225	379	0.209	ug/l	91
95) Naphthalene	13.756	128	1163	Below Cal		97

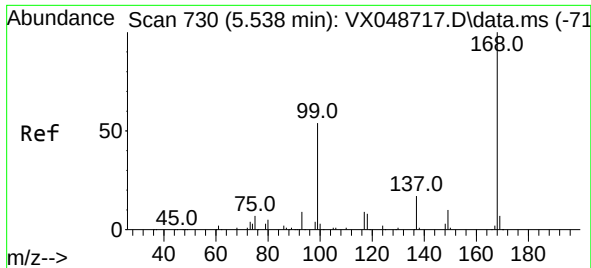
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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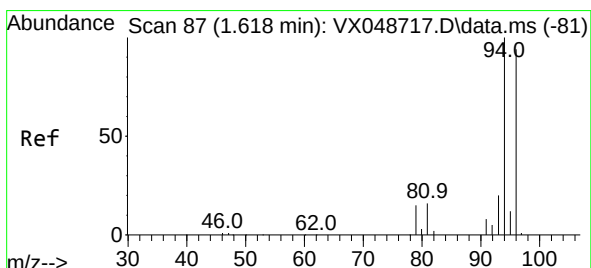
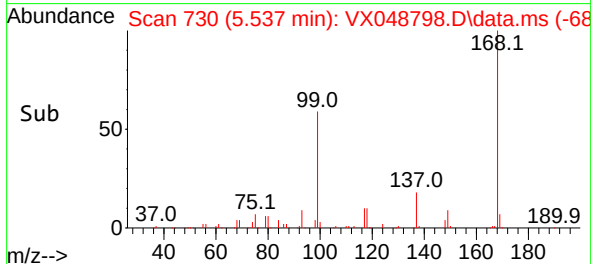
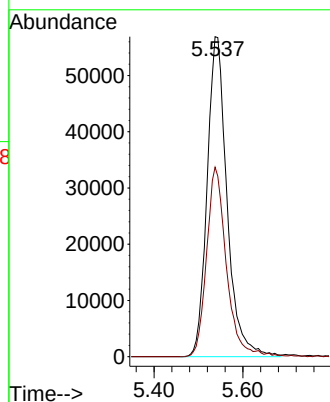
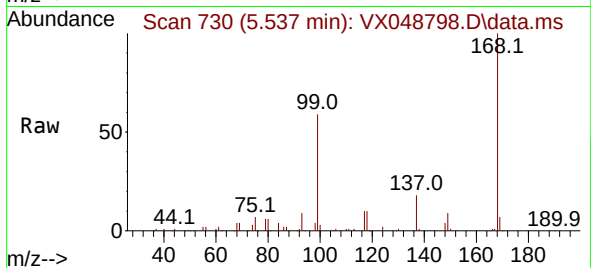




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

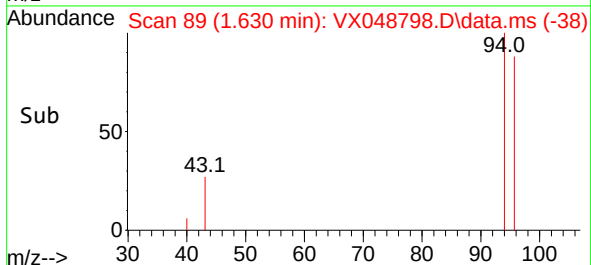
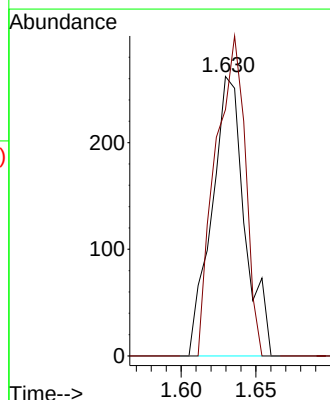
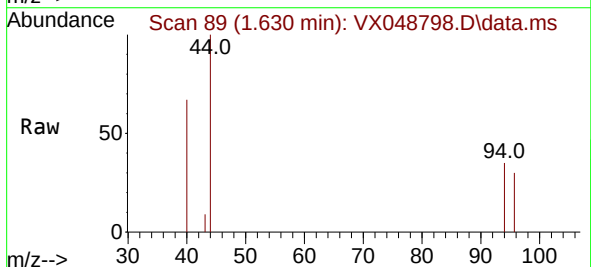
Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01

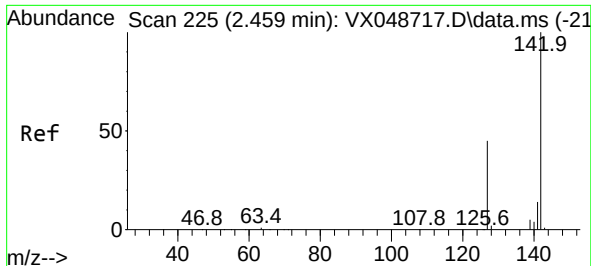
Tgt Ion:168 Resp: 177328
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#5
Bromomethane
Concen: 0.268 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Tgt Ion: 94 Resp: 402
Ion Ratio Lower Upper
94 100
96 88.2 75.2 112.8

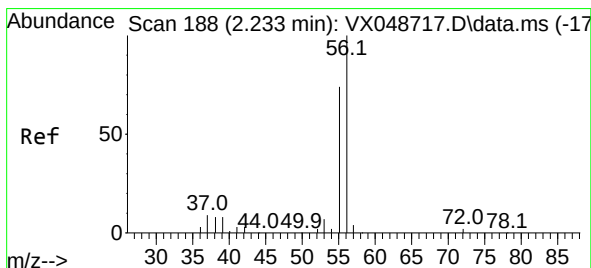
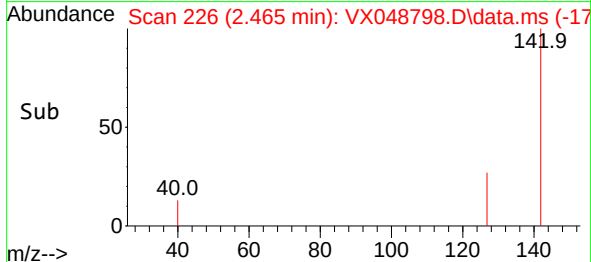
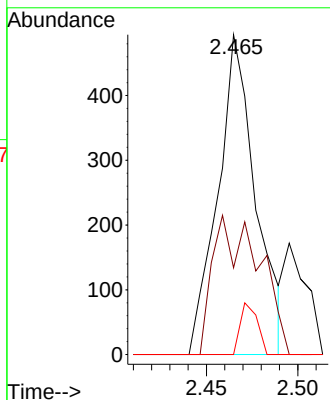
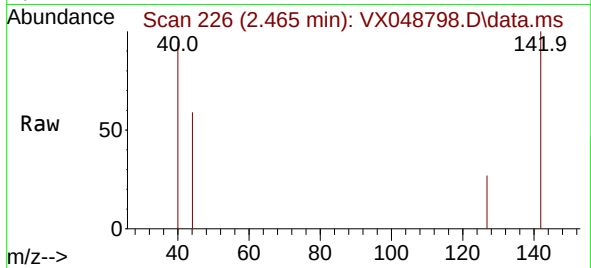




#10
Methyl Iodide
Concen: 0.248 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

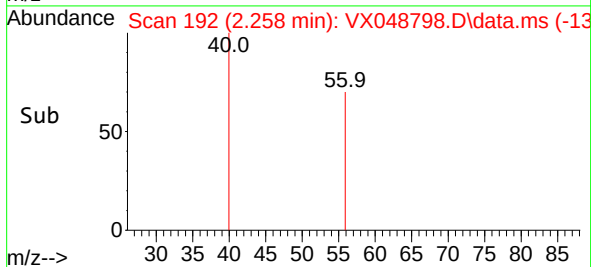
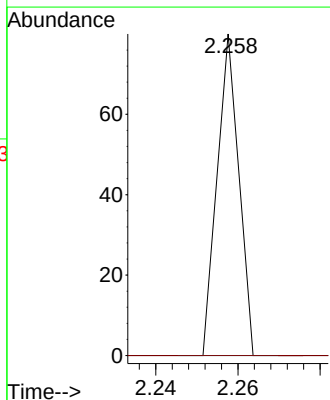
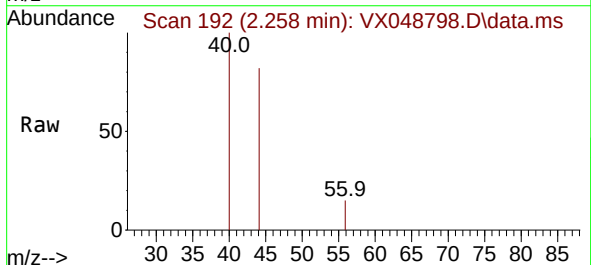
Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01

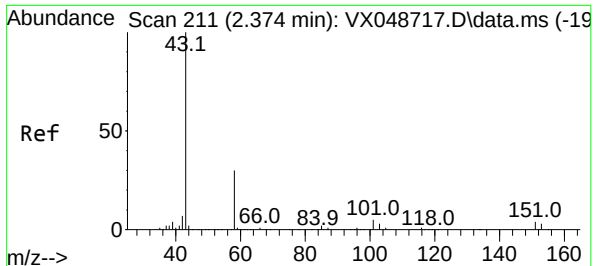
Tgt Ion:142 Resp: 713
Ion Ratio Lower Upper
142 100
127 53.6 35.8 53.6
141 7.3 11.1 16.7#



#13
Acrolein
Concen: 40.243 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.024 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#

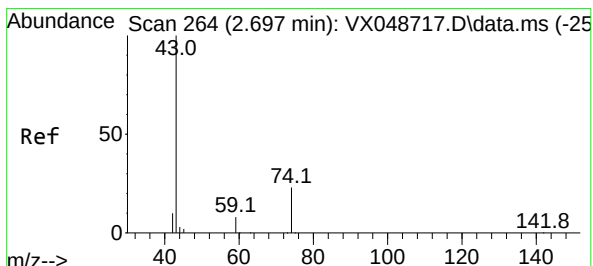
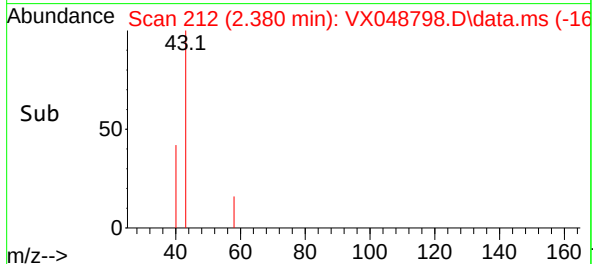
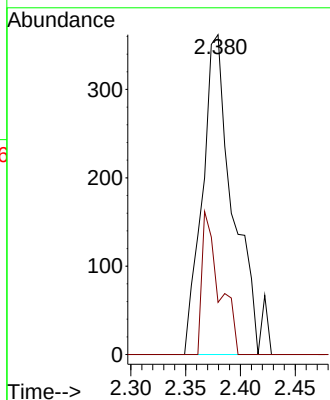
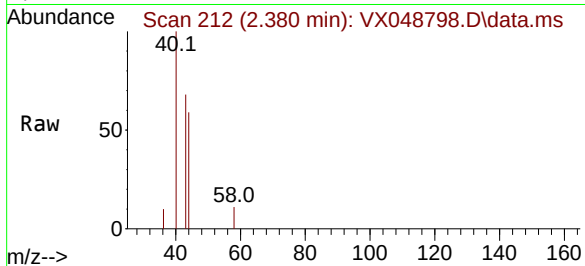




#16
Acetone
Concen: 0.781 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

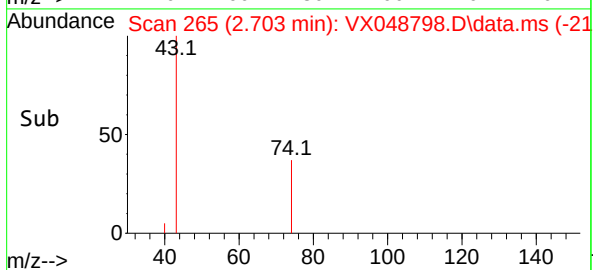
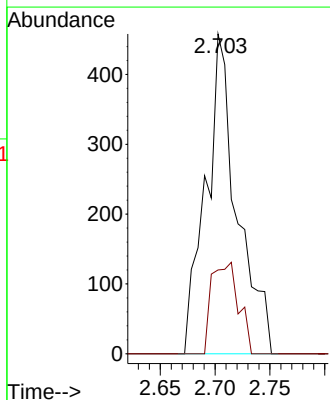
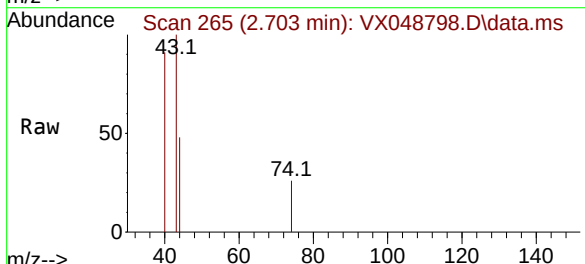
Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01

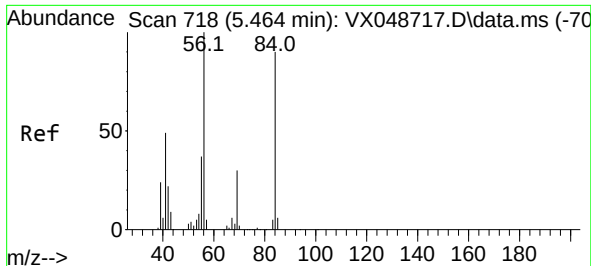
Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
58 16.3 25.0 37.4#



#18
Methyl Acetate
Concen: 0.354 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

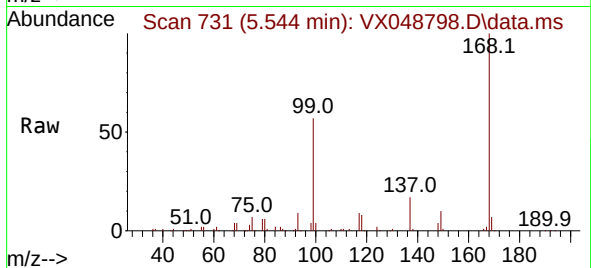
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8



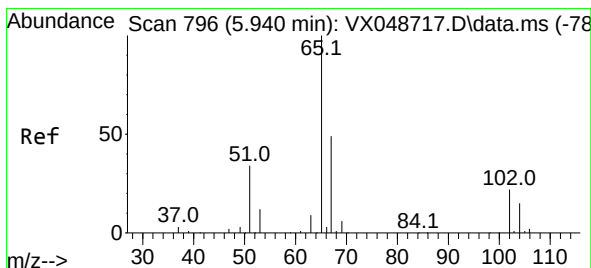
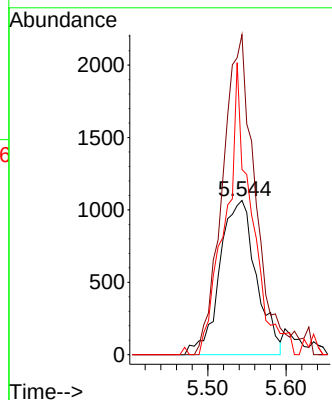
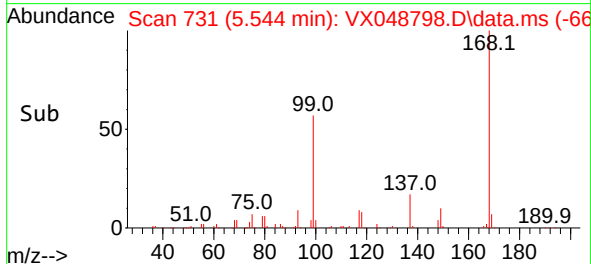


#31
Cyclohexane
Concen: 1.071 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01

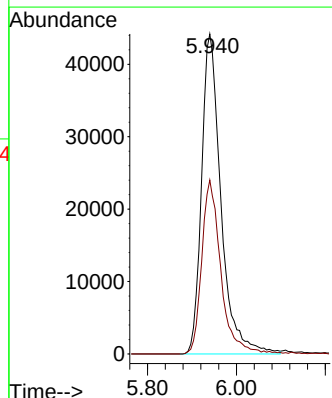
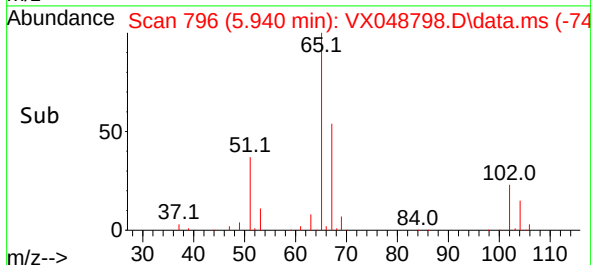
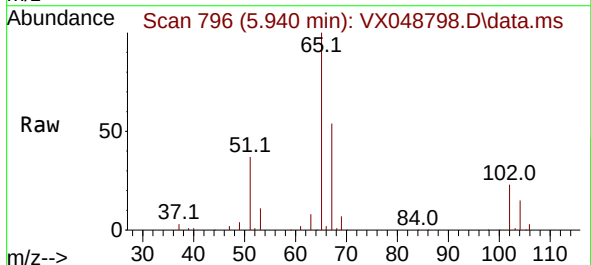


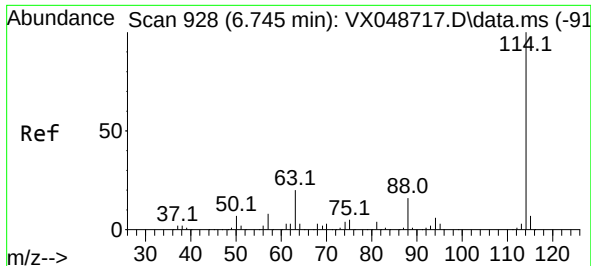
Tgt Ion: 56 Resp: 3444
Ion Ratio Lower Upper
56 100
69 207.5 24.2 36.2#
84 120.2 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 56.380 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Tgt Ion: 65 Resp: 134189
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.4

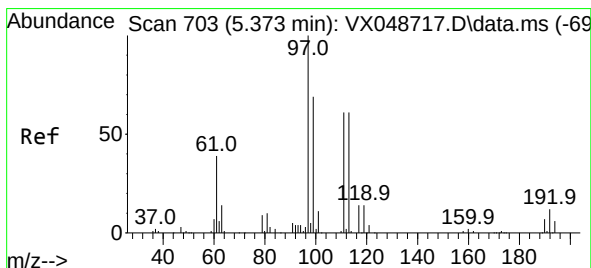
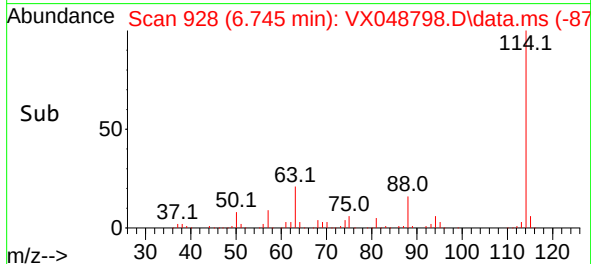
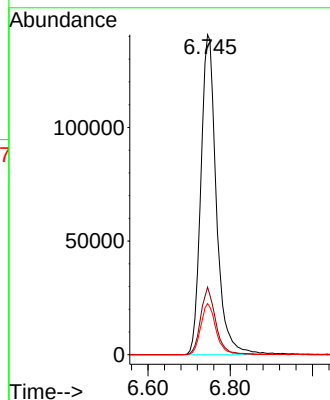
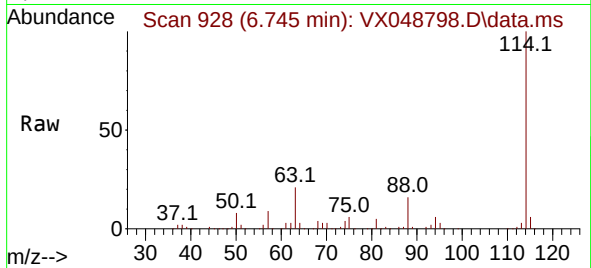




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

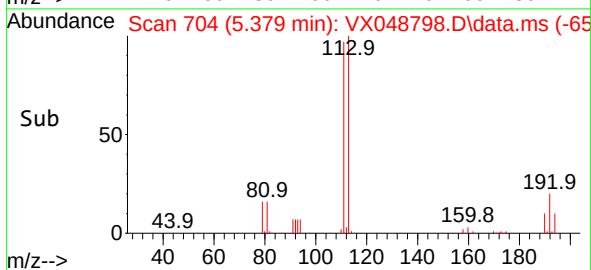
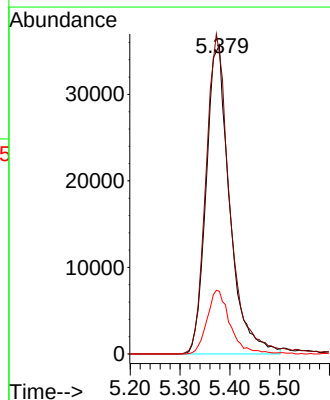
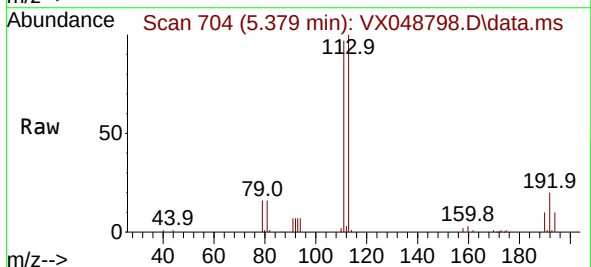
Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01

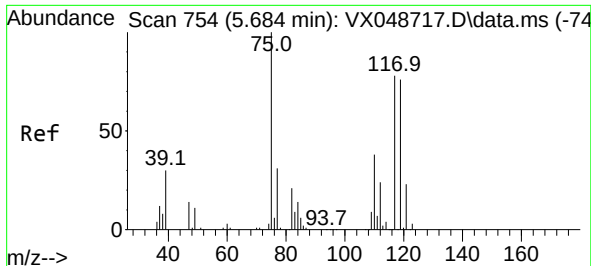
Tgt Ion:114 Resp: 367865
Ion Ratio Lower Upper
114 100
63 21.1 0.0 39.0
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.302 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Tgt Ion:113 Resp: 117279
Ion Ratio Lower Upper
113 100
111 104.7 79.5 119.3
192 20.1 16.1 24.1

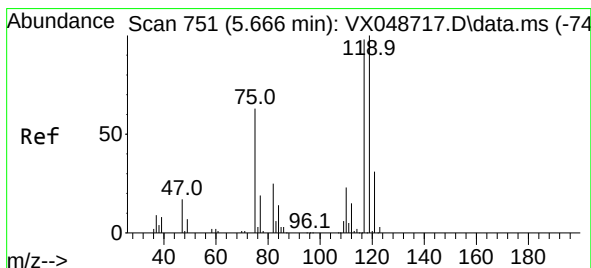
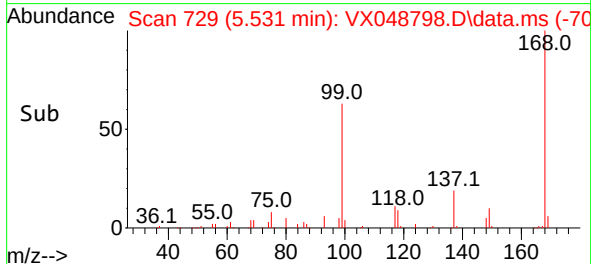
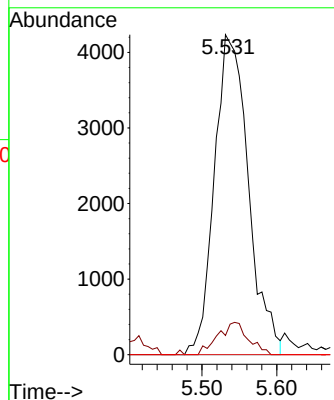
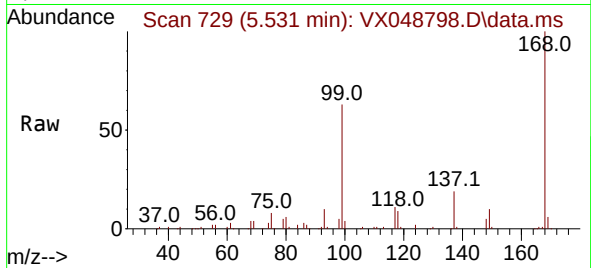




#36
1,1-Dichloropropene
Concen: 3.857 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.153 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

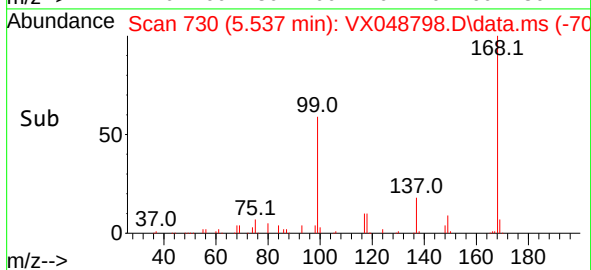
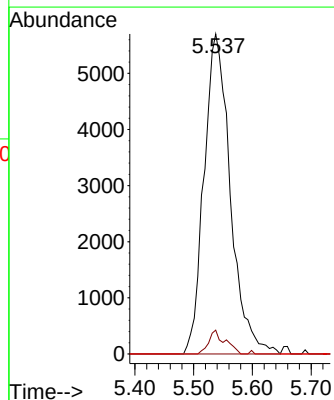
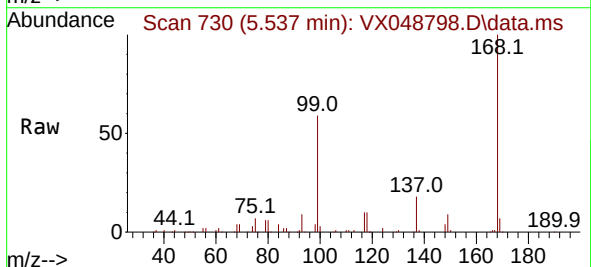
Instrument :
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ClientSampleId :
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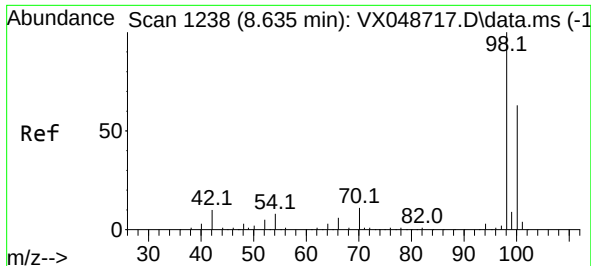
Tgt Ion: 75 Resp: 13381
Ion Ratio Lower Upper
75 100
110 9.0 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.517 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Tgt Ion: 117 Resp: 17750
Ion Ratio Lower Upper
117 100
119 7.4 80.5 120.7#
121 0.0 25.4 38.0#

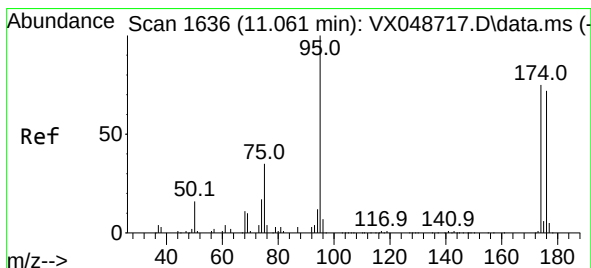
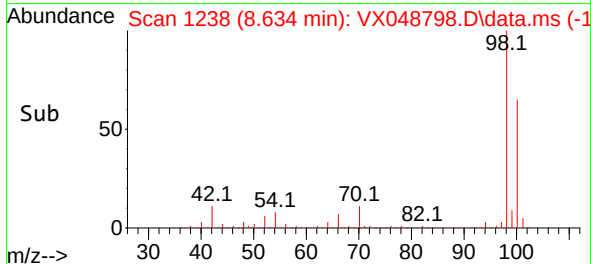
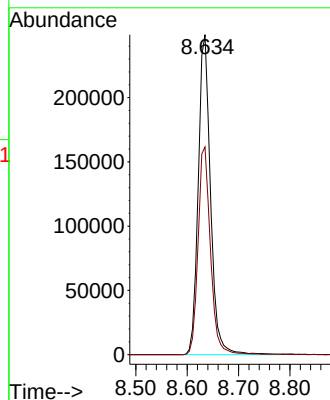
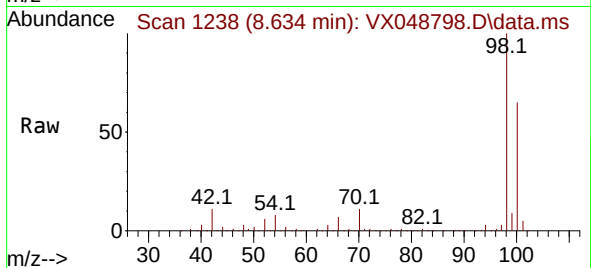




#50
Toluene-d8
Concen: 46.591 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

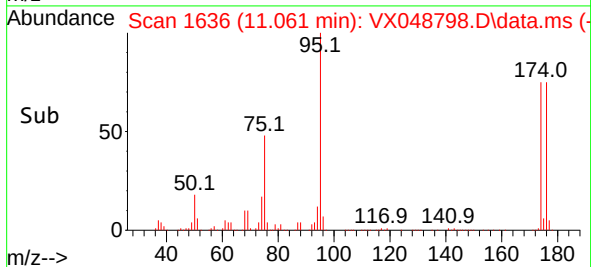
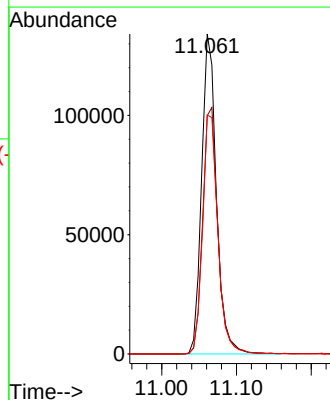
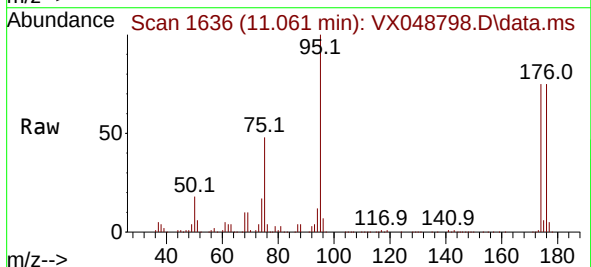
Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01

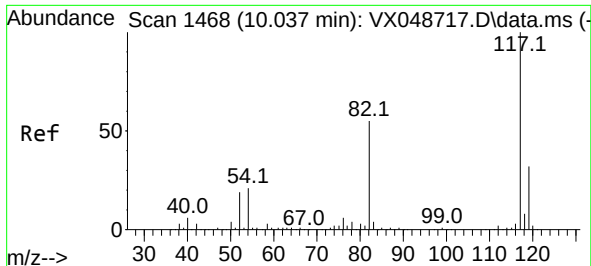
Tgt Ion: 98 Resp: 413658
Ion Ratio Lower Upper
98 100
100 65.6 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 60.022 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Tgt Ion: 95 Resp: 183765
Ion Ratio Lower Upper
95 100
174 79.8 0.0 157.8
176 77.7 0.0 154.0

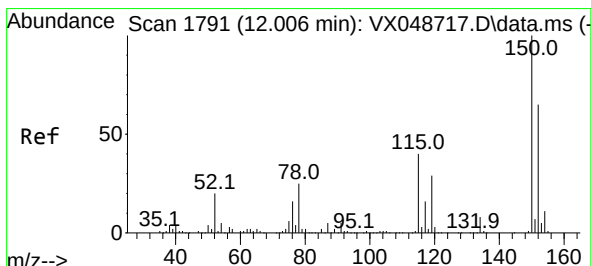
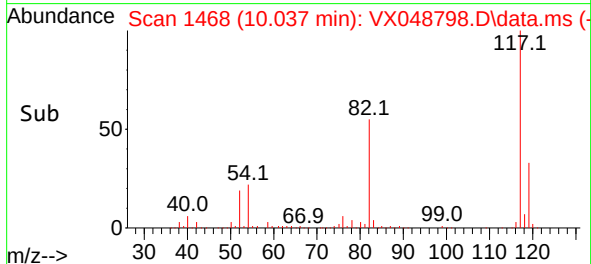
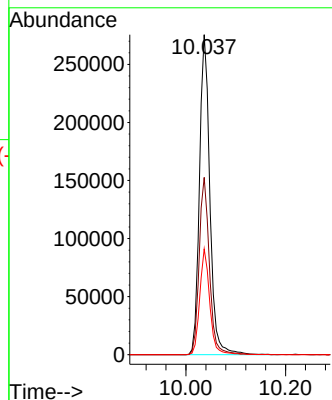
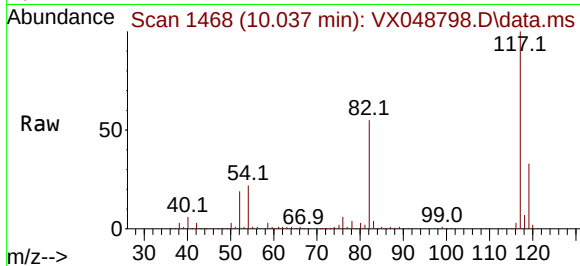




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

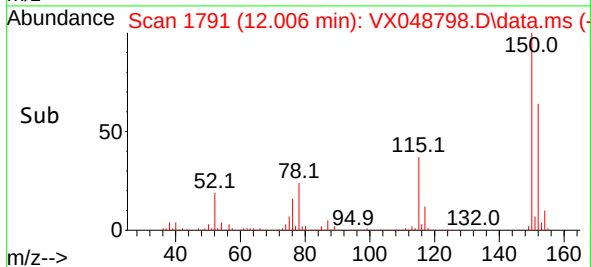
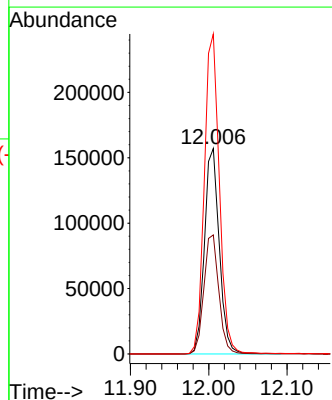
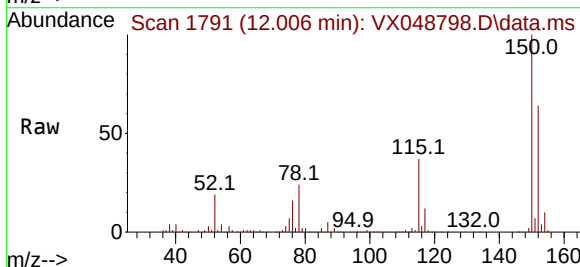
Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01

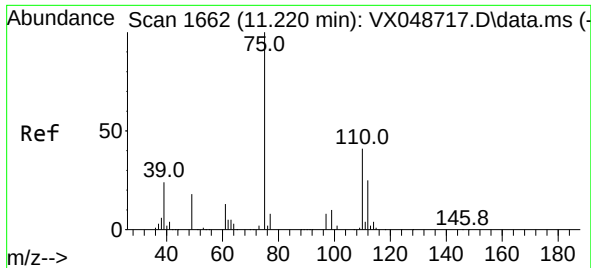
Tgt Ion:117 Resp: 398696
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 33.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Tgt Ion:152 Resp: 206043
Ion Ratio Lower Upper
152 100
115 58.8 42.1 126.4
150 158.1 0.0 347.8

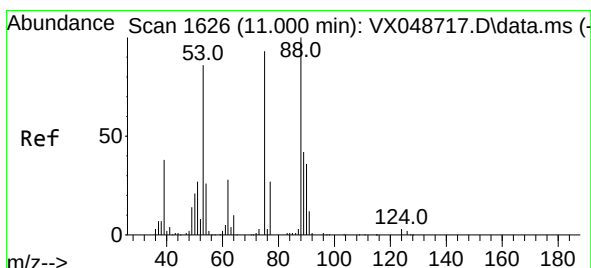
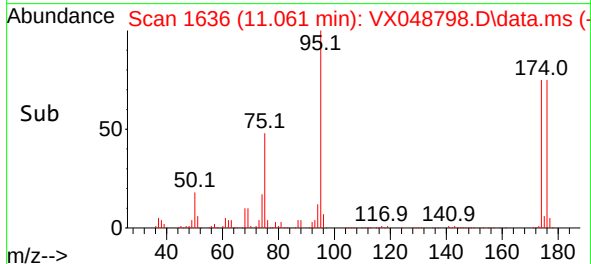
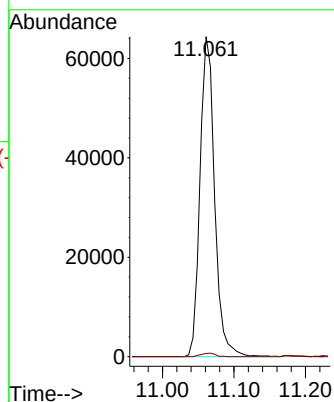
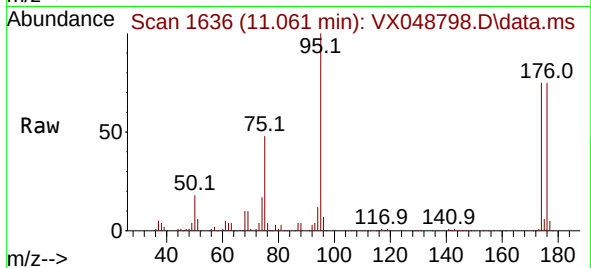




#76
1,2,3-Trichloropropane
Concen: 23.729 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

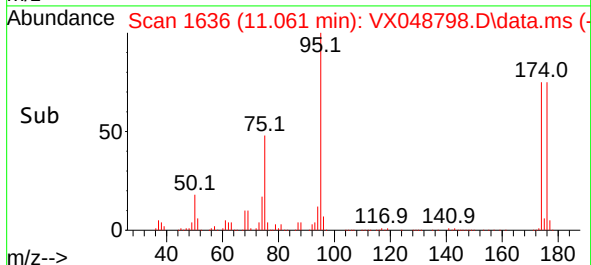
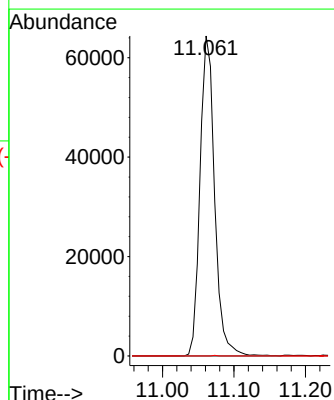
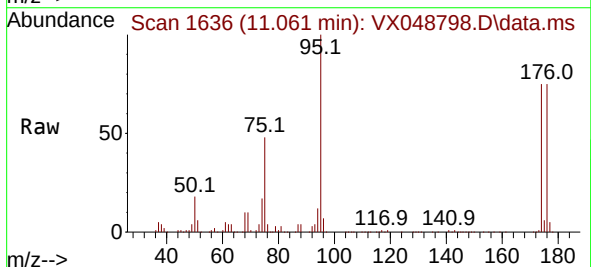
Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01

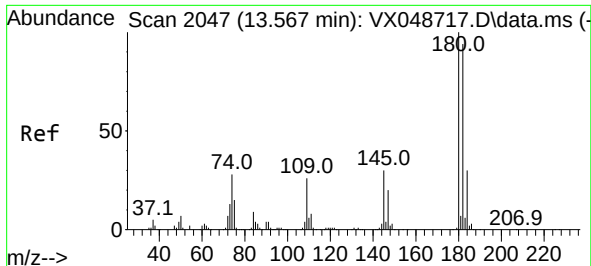
Tgt Ion: 75 Resp: 91062
Ion Ratio Lower Upper
75 100
77 1.1 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.365 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Tgt Ion: 75 Resp: 91062
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.1 67.1 100.7#

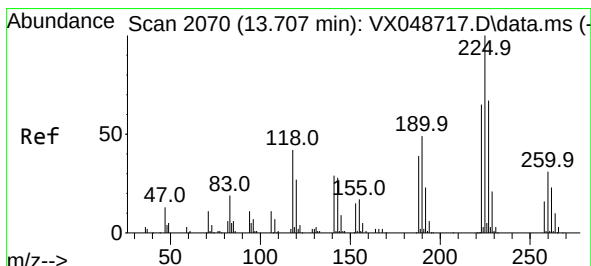
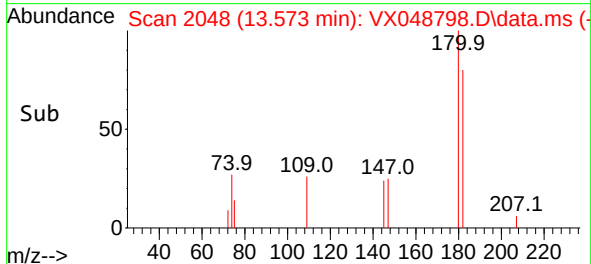
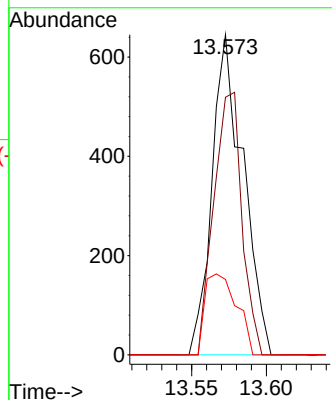
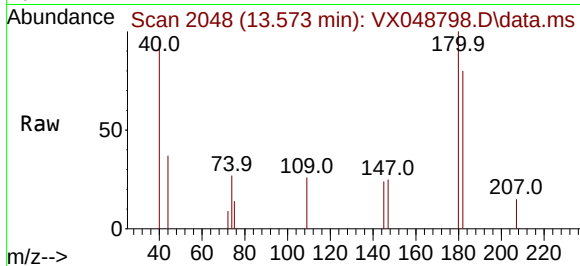




#93
 1,2,4-Trichlorobenzene
 Concen: 0.213 ug/l
 RT: 13.573 min Scan# 2048
 Delta R.T. 0.006 min
 Lab File: VX048798.D
 Acq: 10 Dec 2025 10:31

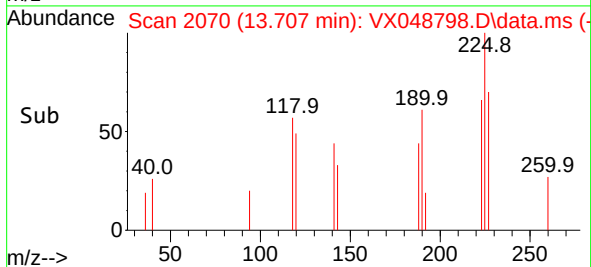
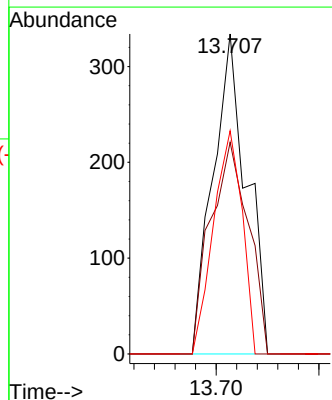
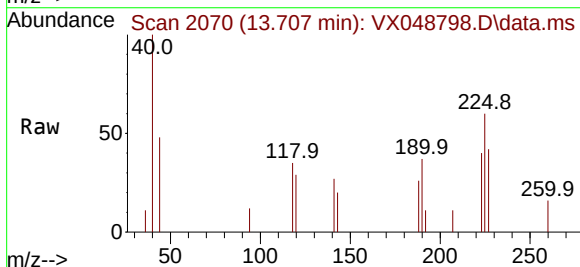
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210MBL01

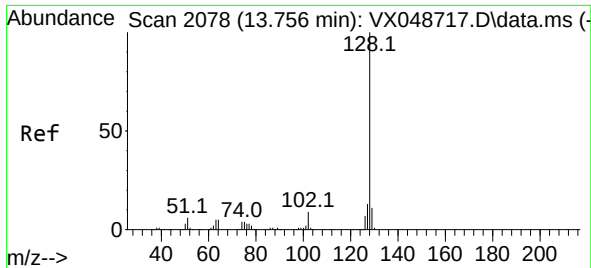
Tgt Ion:180 Resp: 932
 Ion Ratio Lower Upper
 180 100
 182 73.9 46.9 140.8
 145 25.8 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 0.209 ug/l
 RT: 13.707 min Scan# 2070
 Delta R.T. -0.000 min
 Lab File: VX048798.D
 Acq: 10 Dec 2025 10:31

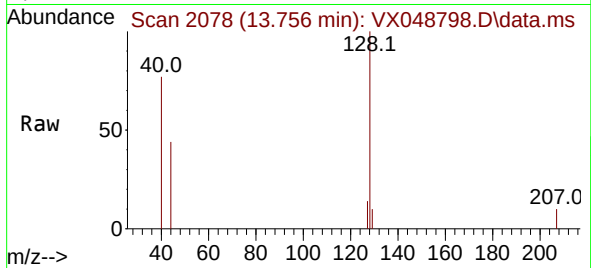
Tgt Ion:225 Resp: 379
 Ion Ratio Lower Upper
 225 100
 223 74.7 33.0 98.9
 227 59.6 32.9 98.7





#95
Naphthalene
Concen: Below Cal
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048798.D
Acq: 10 Dec 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1210MBL01



Tgt Ion:	128	Resp:	1163
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.5	8.6	13.0

