

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048860.D
 Acq On : 12 Dec 2025 17:09
 Operator : JC/MD
 Sample : Q3849-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-121125

Quant Time: Dec 12 22:16:18 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)

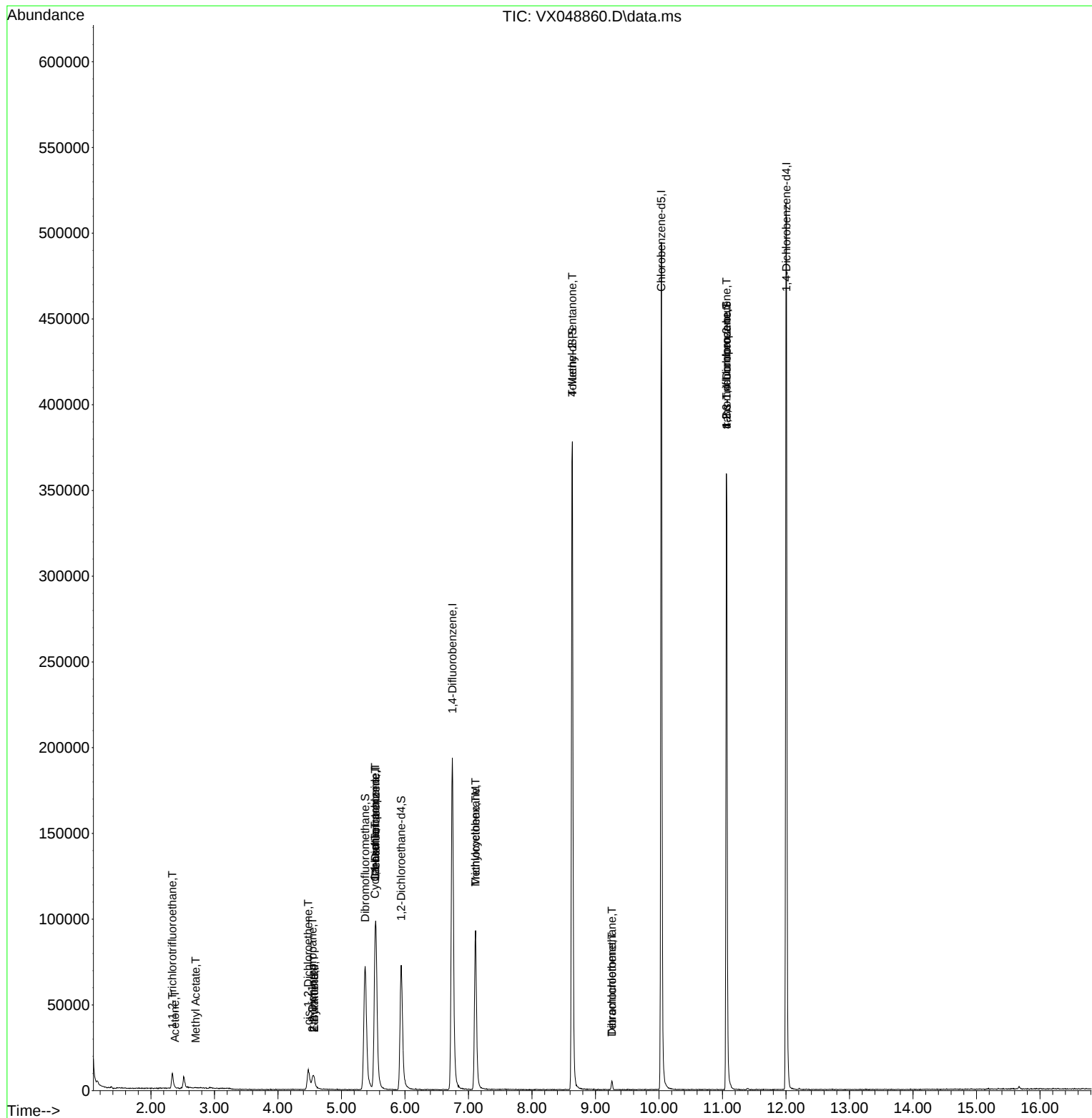
Internal Standards						
1) Pentafluorobenzene	5.538	168	103440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	212800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	234059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	77273	55.658	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.320%
35) Dibromofluoromethane	5.373	113	71089	48.518	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.040%
50) Toluene-d8	8.635	98	245864	47.871	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.740%
62) 4-Bromofluorobenzene	11.061	95	103927	58.681	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.360%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	3996	3.395	ug/l	96
16) Acetone	2.380	43	899	1.691	ug/l	100
18) Methyl Acetate	2.703	43	743	0.497	ug/l #	51
25) 2-Butanone	4.568	43	544	0.693	ug/l #	46
26) 2,2-Dichloropropane	4.544	77	409	0.220	ug/l #	52
27) cis-1,2-Dichloroethene	4.477	96	8033	5.807	ug/l	96
31) Cyclohexane	5.526	56	2001	1.066	ug/l #	7
36) 1,1-Dichloropropene	5.532	75	8510	4.241	ug/l #	47
37) Ethyl Acetate	4.568	43	544	0.227	ug/l #	71
38) Carbon Tetrachloride	5.532	117	10781	4.743	ug/l #	13
39) Methylcyclohexane	7.111	83	480	0.202	ug/l #	19
44) Trichloroethene	7.111	130	39321	25.331	ug/l	99
51) 4-Methyl-2-Pentanone	8.635	43	1284	0.570	ug/l #	1
60) Dibromochloromethane	9.257	129	874	0.490	ug/l #	11
64) Tetrachloroethene	9.257	164	999	0.586	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	52174	23.397	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	52174	55.577	ug/l #	3
95) Naphthalene	13.768	128	147	Below Cal	#	69

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

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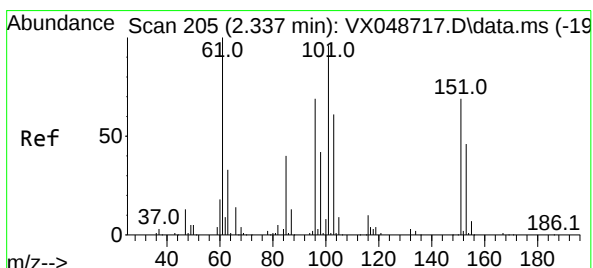
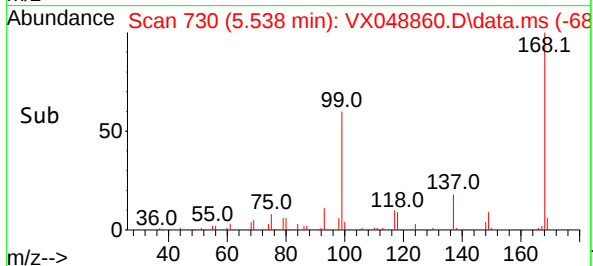
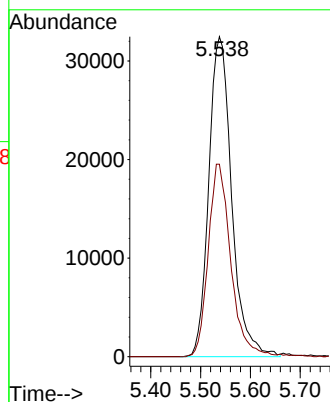
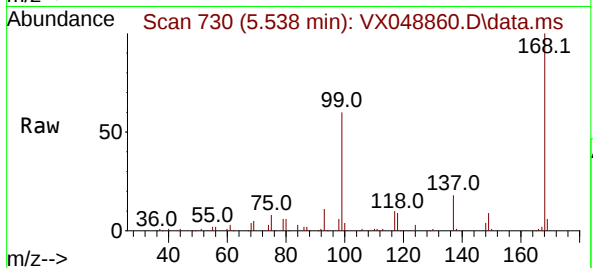




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

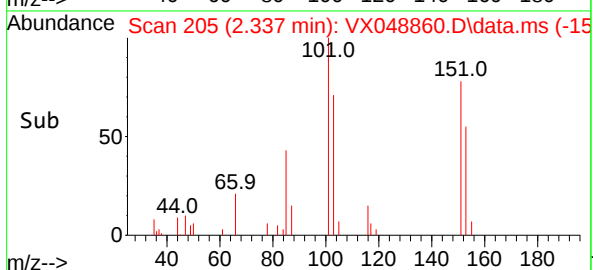
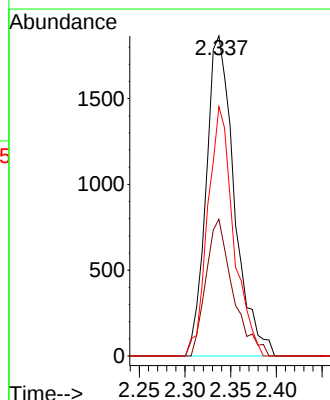
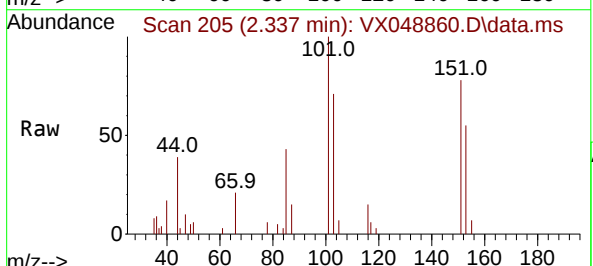
Instrument :
MSVOA_X
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TB01-121125

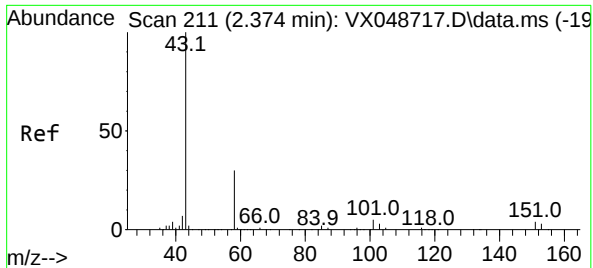
Tgt Ion:168 Resp: 103440
Ion Ratio Lower Upper
168 100
99 60.2 44.2 66.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.395 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion:101 Resp: 3996
Ion Ratio Lower Upper
101 100
85 40.9 34.2 51.2
151 71.3 60.2 90.4

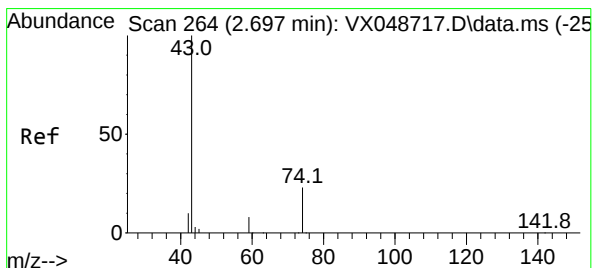
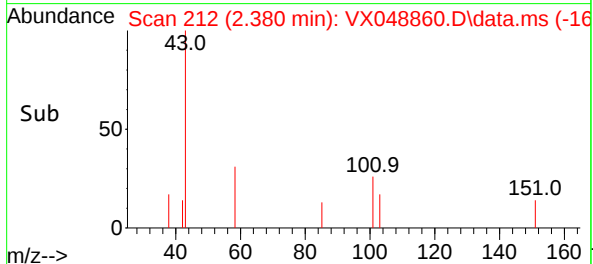
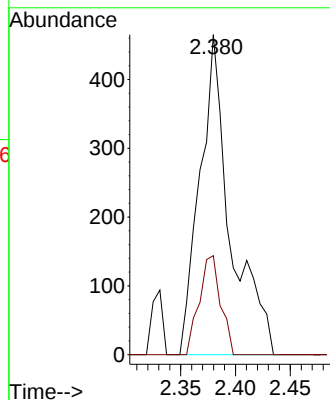
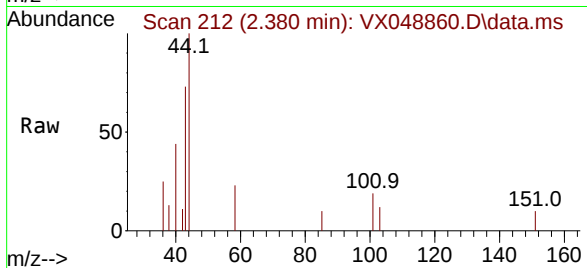




#16
Acetone
Concen: 1.691 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

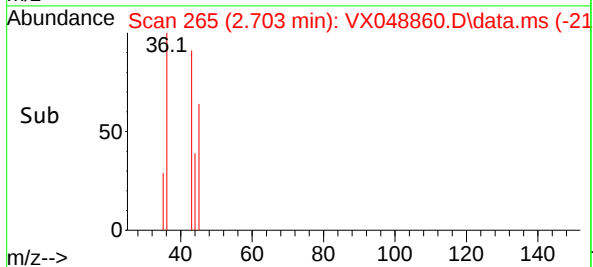
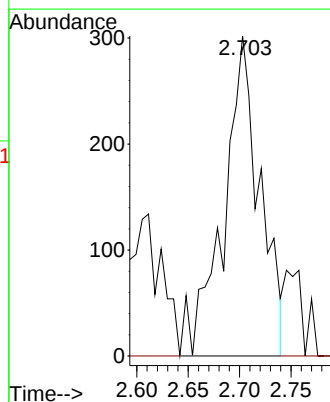
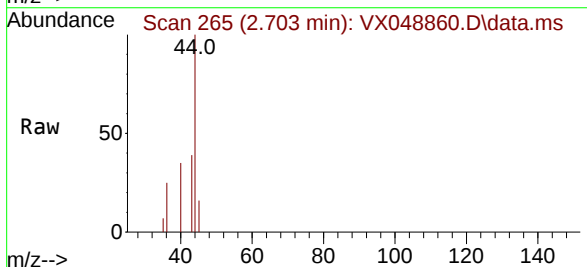
Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

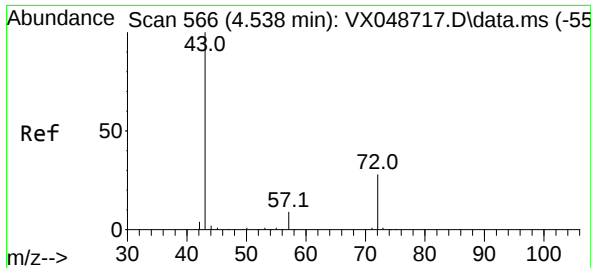
Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
58 31.0 25.0 37.4



#18
Methyl Acetate
Concen: 0.497 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

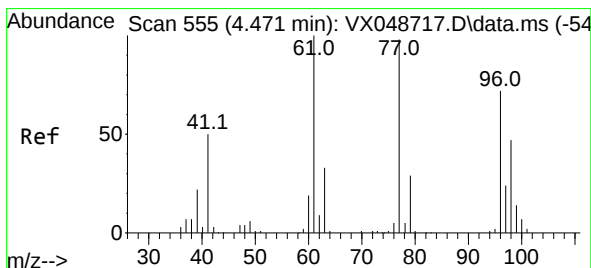
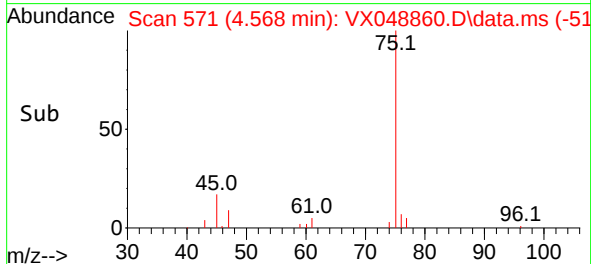
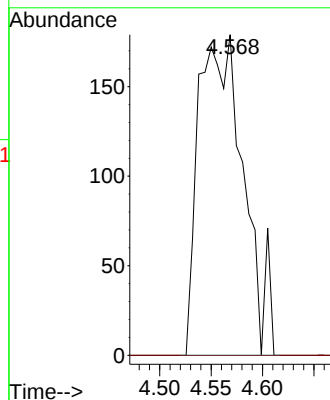
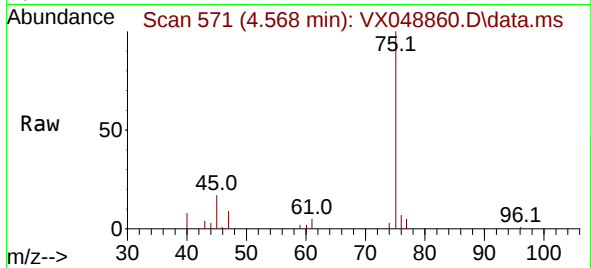




#25
2-Butanone
Concen: 0.693 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

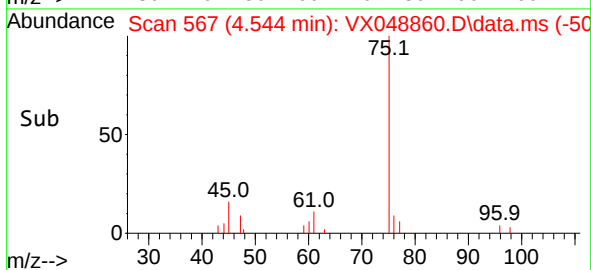
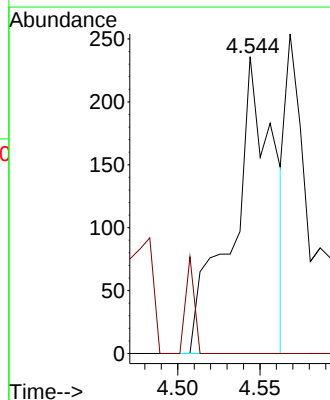
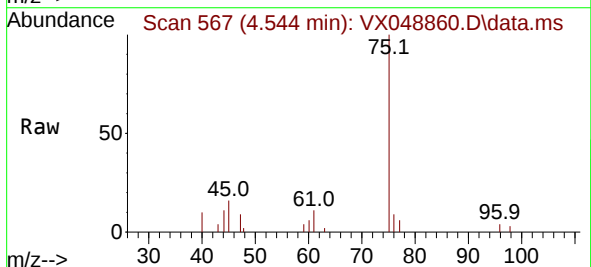
Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

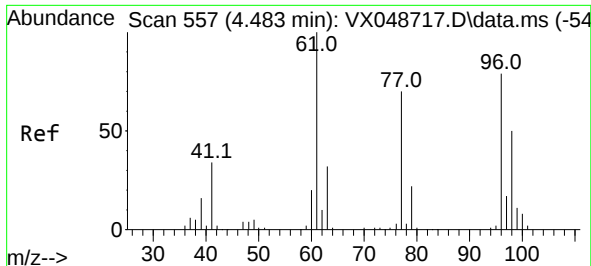
Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#



#26
2,2-Dichloropropane
Concen: 0.220 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.073 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion: 77 Resp: 409
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#

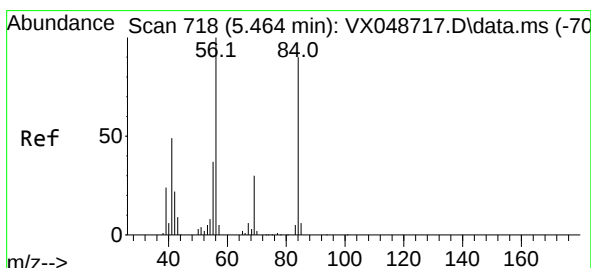
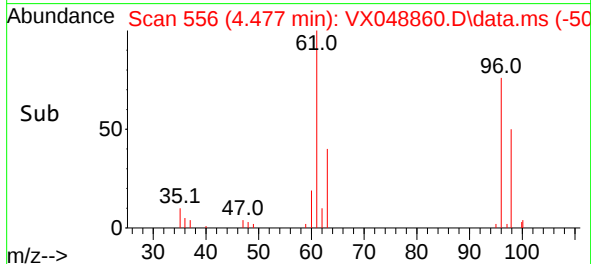
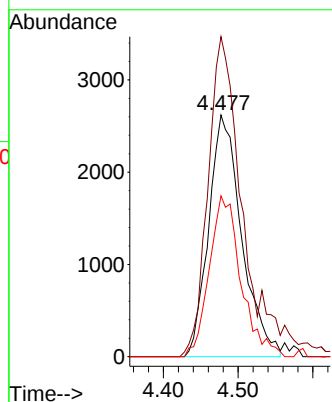
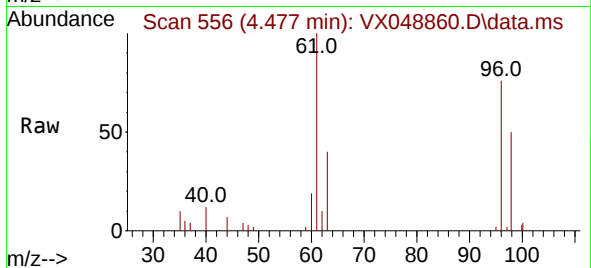




#27
 cis-1,2-Dichloroethene
 Concen: 5.807 ug/l
 RT: 4.477 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VX048860.D
 Acq: 12 Dec 2025 17:09

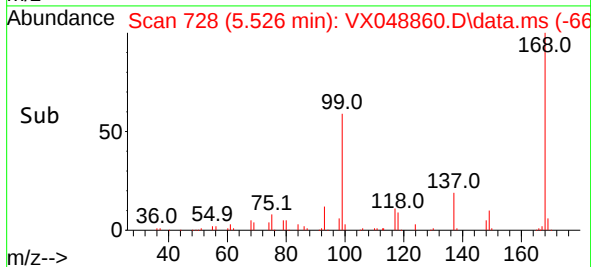
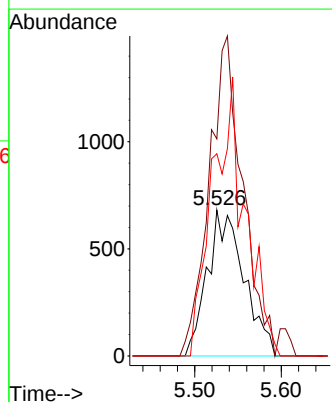
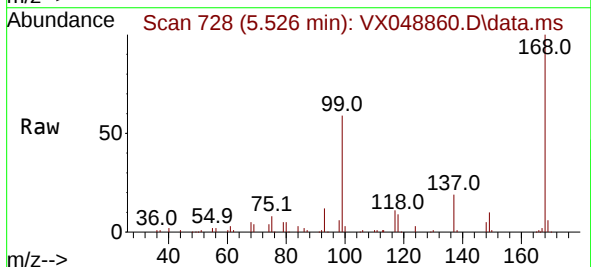
Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-121125

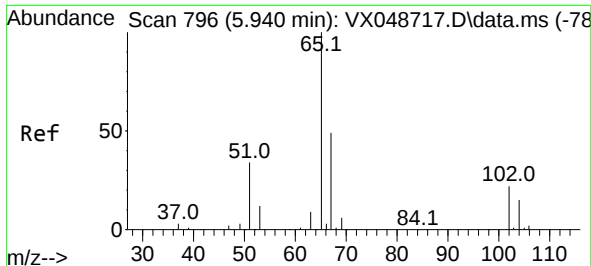
Tgt Ion: 96	Resp: 8033		
Ion Ratio	Lower	Upper	
96	100		
61	141.4	0.0	271.0
98	63.8	0.0	130.2



#31
 Cyclohexane
 Concen: 1.066 ug/l
 RT: 5.526 min Scan# 728
 Delta R.T. 0.061 min
 Lab File: VX048860.D
 Acq: 12 Dec 2025 17:09

Tgt Ion: 56	Resp: 2001
Ion Ratio	Lower Upper
56 100	
69 148.9	24.2 36.2#
84 138.6	72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 55.658 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048860.D

Acq: 12 Dec 2025 17:09

Instrument :

MSVOA_X

ClientSampleId :

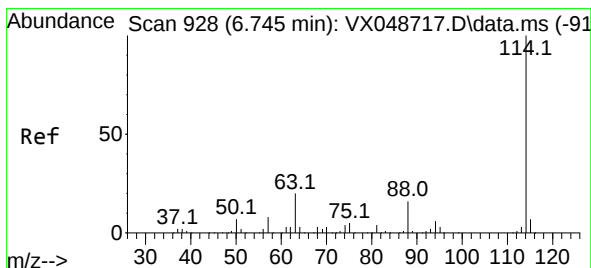
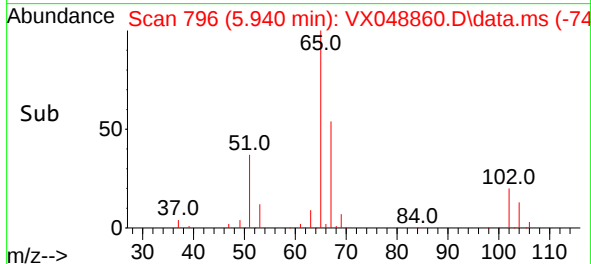
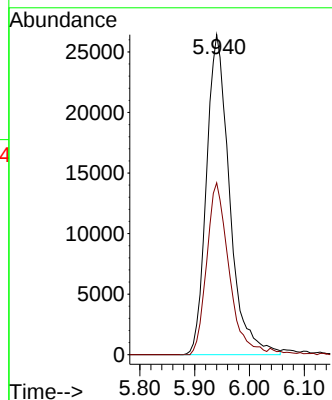
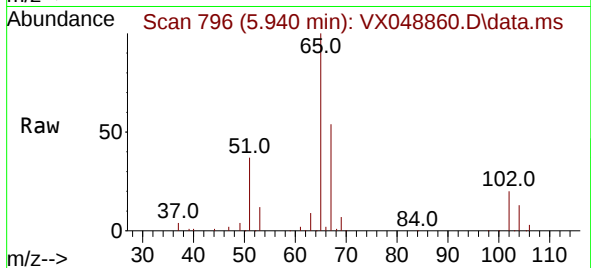
TB01-121125

Tgt Ion: 65 Resp: 77273

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048860.D

Acq: 12 Dec 2025 17:09

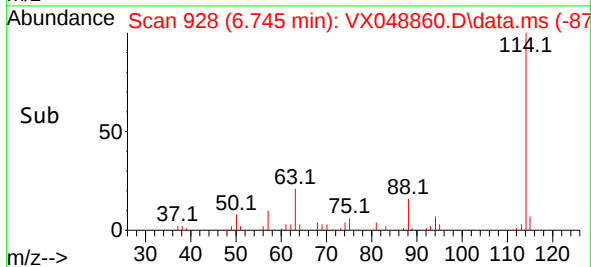
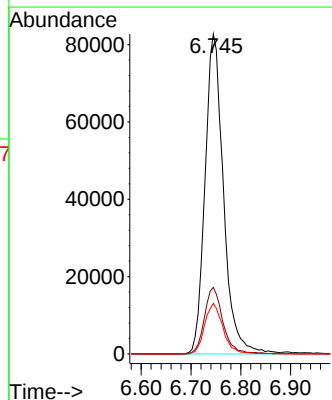
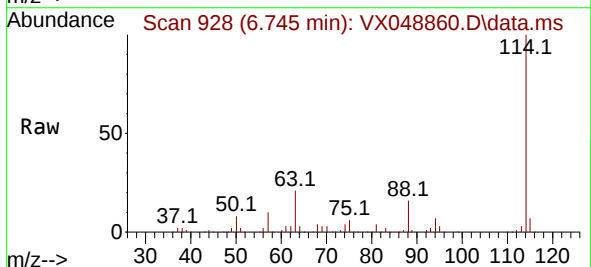
Tgt Ion: 114 Resp: 212800

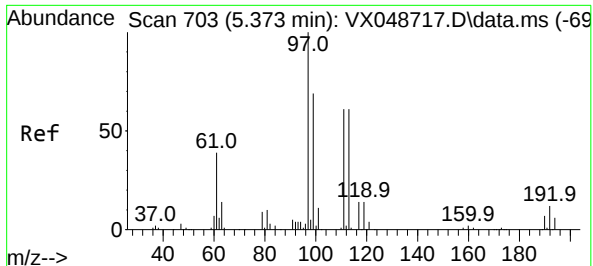
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 15.8 0.0 31.8

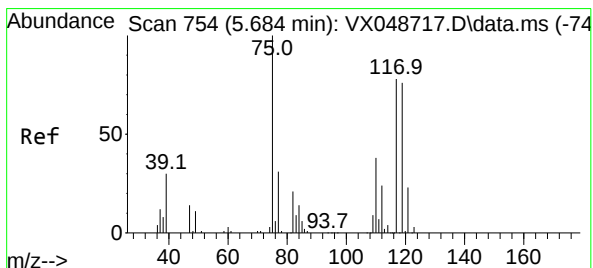
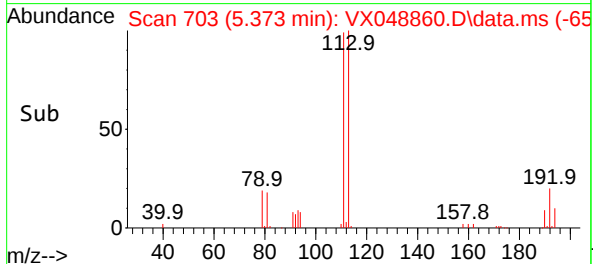
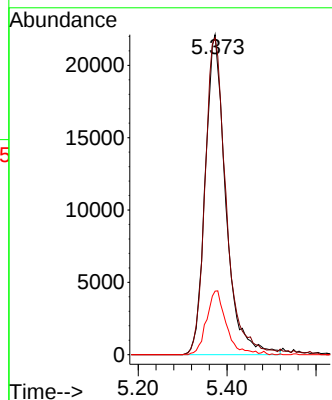
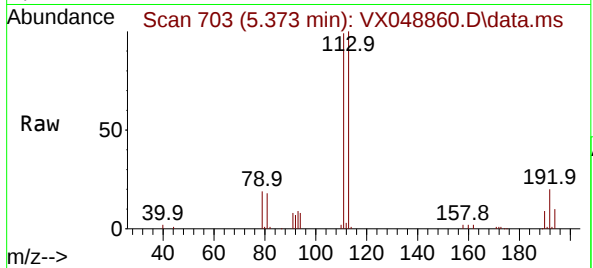




#35
Dibromofluoromethane
Concen: 48.518 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

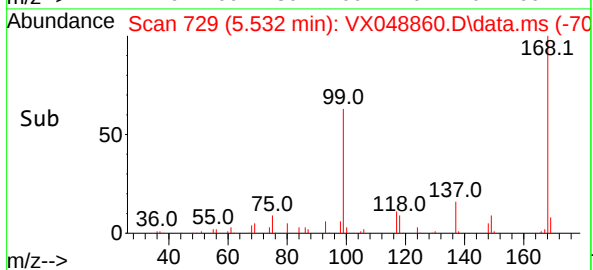
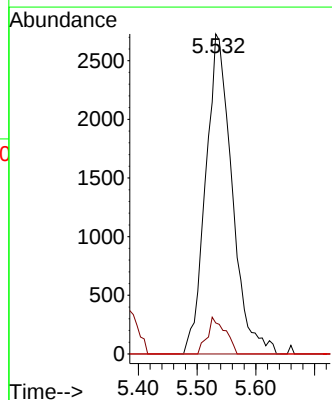
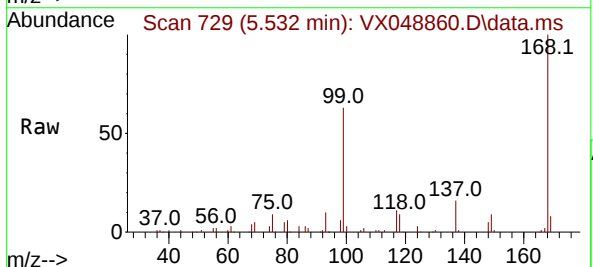
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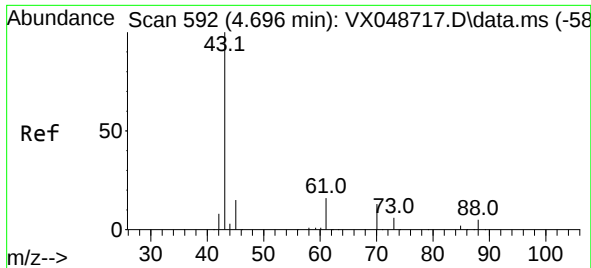
Tgt Ion:113 Resp: 71089
Ion Ratio Lower Upper
113 100
111 101.4 79.5 119.3
192 19.3 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.152 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion: 75 Resp: 8510
Ion Ratio Lower Upper
75 100
110 7.7 18.6 55.8#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.227 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.128 min

Lab File: VX048860.D

Acq: 12 Dec 2025 17:09

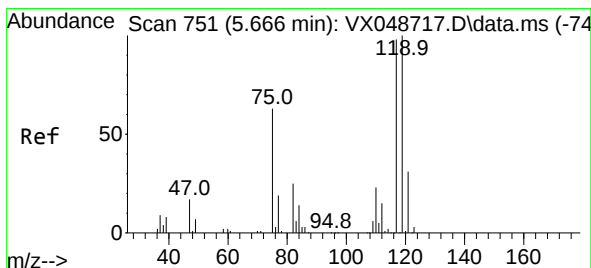
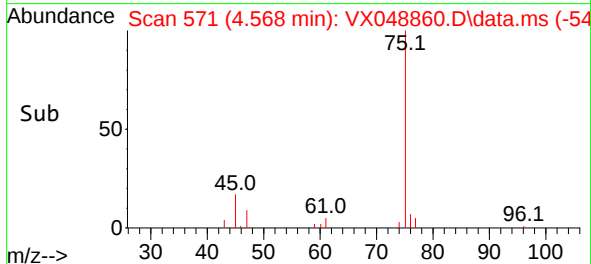
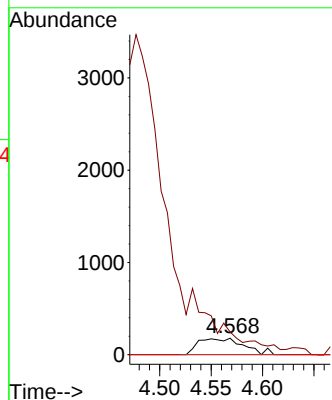
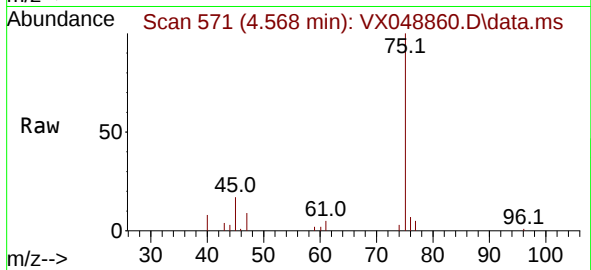
Instrument :

MSVOA_X

ClientSampleId :

TB01-121125

Tgt Ion: 43	Resp:	544
Ion	Ratio	Lower Upper
43	100	
61	0.0	9.7 14.5#
70	0.0	8.2 12.4#



#38

Carbon Tetrachloride

Concen: 4.743 ug/l

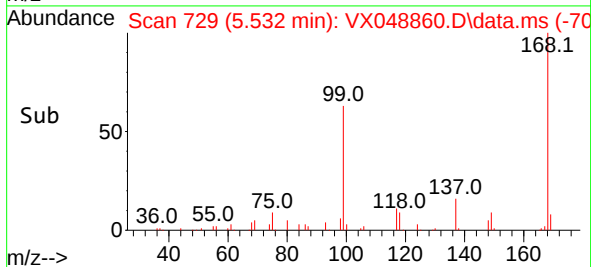
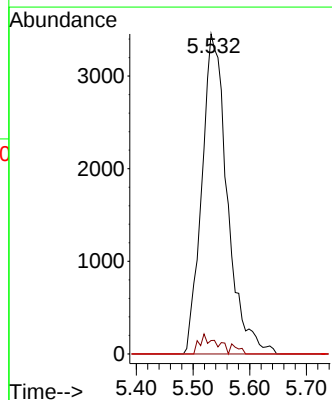
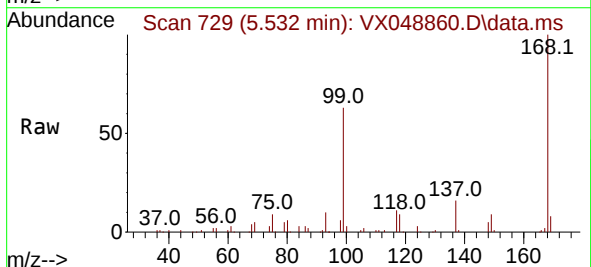
RT: 5.532 min Scan# 729

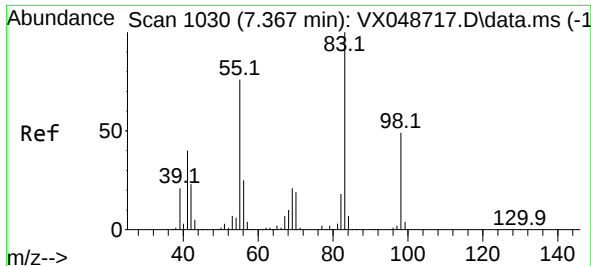
Delta R.T. -0.134 min

Lab File: VX048860.D

Acq: 12 Dec 2025 17:09

Tgt Ion: 117	Resp:	10781
Ion	Ratio	Lower Upper
117	100	
119	4.2	80.5 120.7#
121	0.0	25.4 38.0#





#39

Methylcyclohexane

Concen: 0.202 ug/l

RT: 7.111 min Scan# 988

Delta R.T. -0.256 min

Lab File: VX048860.D

Acq: 12 Dec 2025 17:09

Instrument :

MSVOA_X

ClientSampleId :

TB01-121125

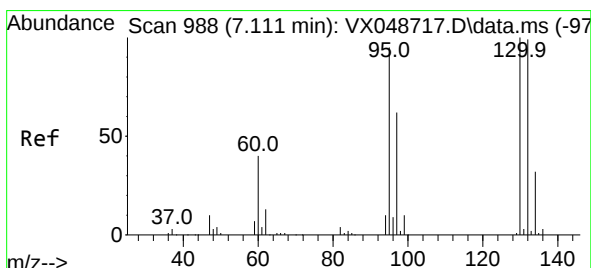
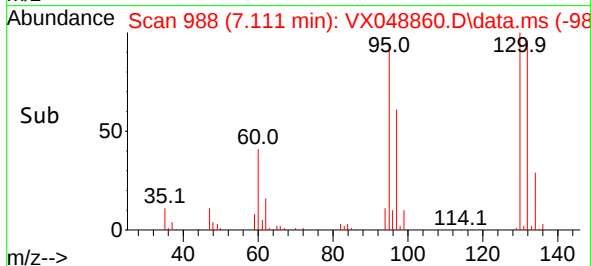
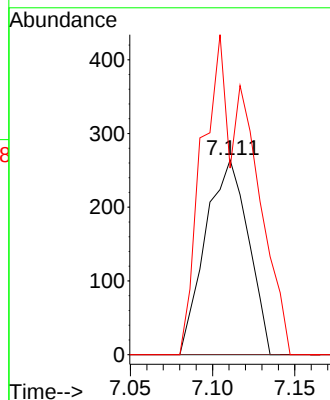
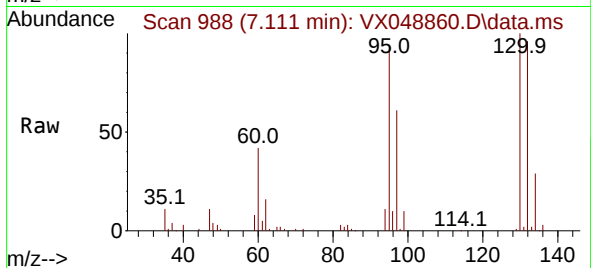
Tgt Ion: 83 Resp: 480

Ion Ratio Lower Upper

83 100

55 0.0 60.6 90.8#

98 95.8 39.3 58.9#



#44

Trichloroethene

Concen: 25.331 ug/l

RT: 7.111 min Scan# 988

Delta R.T. 0.000 min

Lab File: VX048860.D

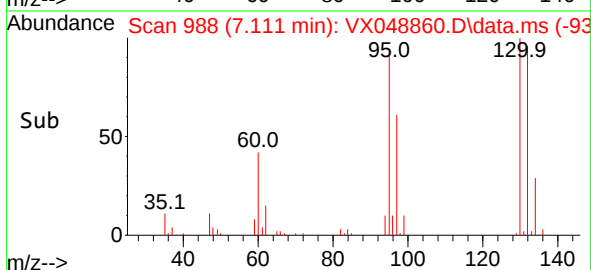
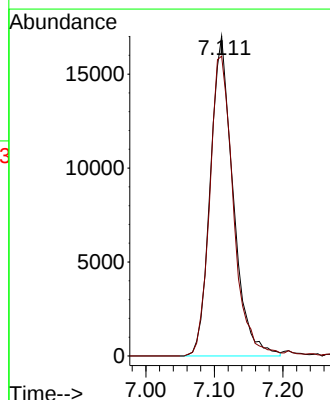
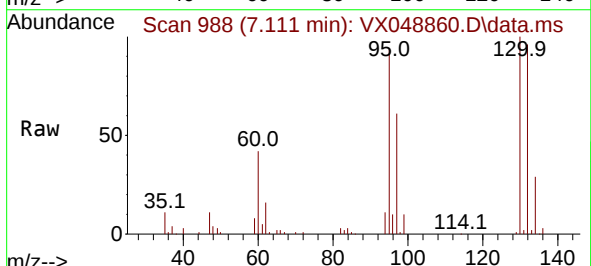
Acq: 12 Dec 2025 17:09

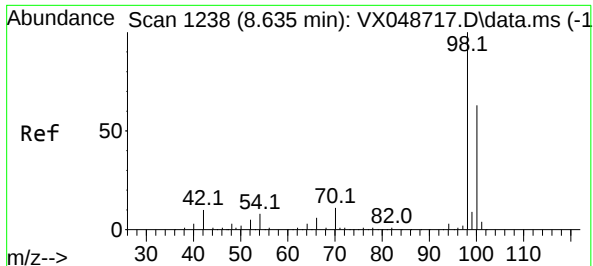
Tgt Ion:130 Resp: 39321

Ion Ratio Lower Upper

130 100

95 93.7 0.0 189.6

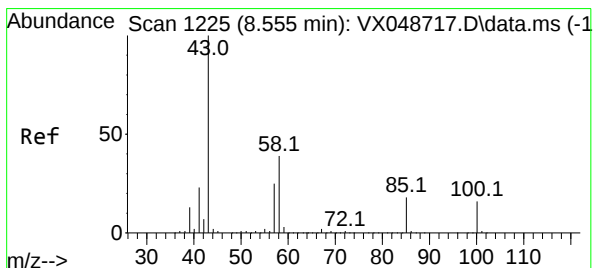
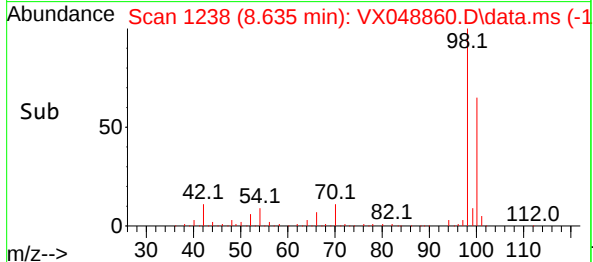
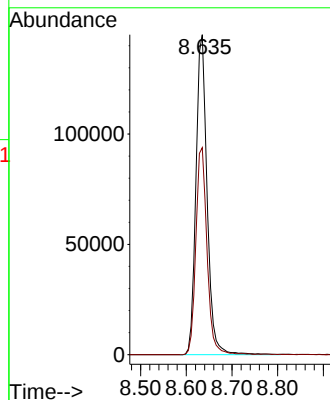
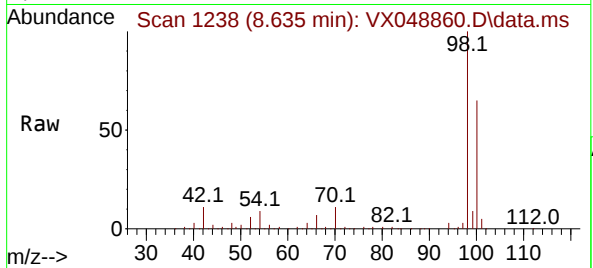




#50
Toluene-d8
Concen: 47.871 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

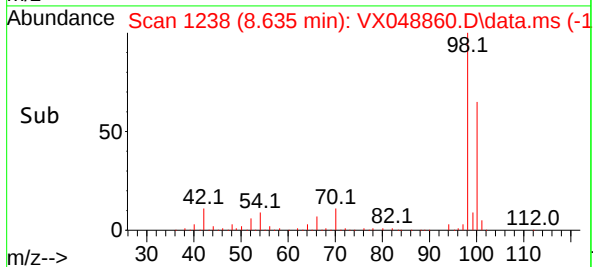
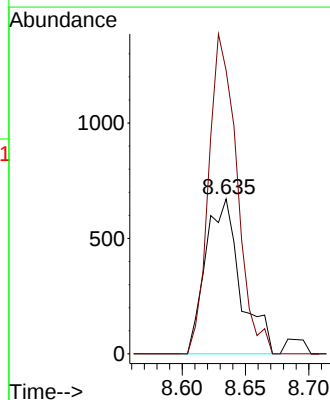
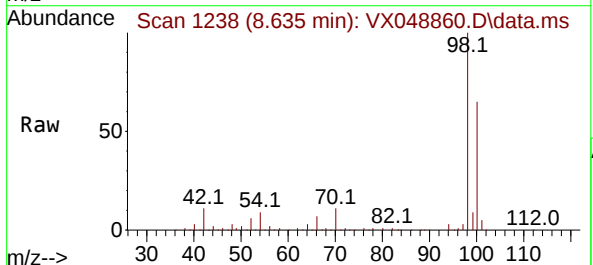
Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

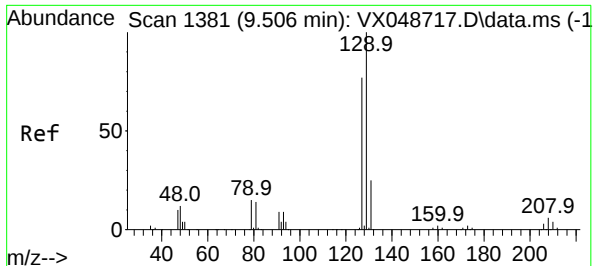
Tgt Ion: 98 Resp: 245864
Ion Ratio Lower Upper
98 100
100 64.9 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.570 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.079 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
58 168.1 32.2 48.4#

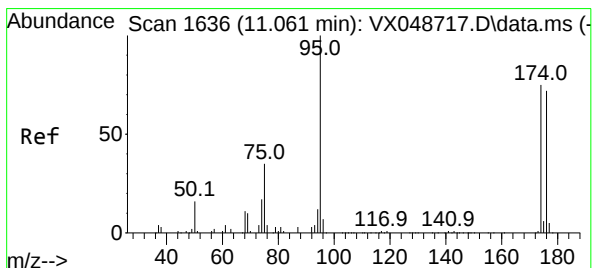
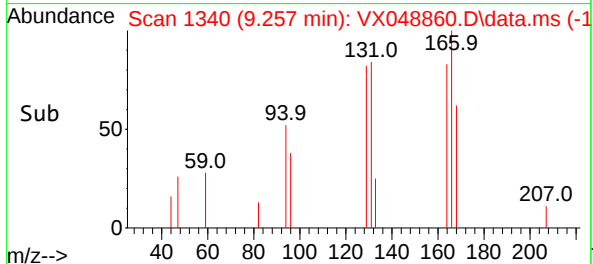
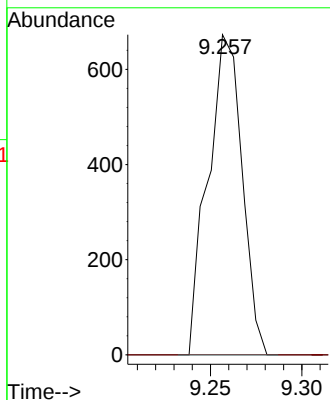
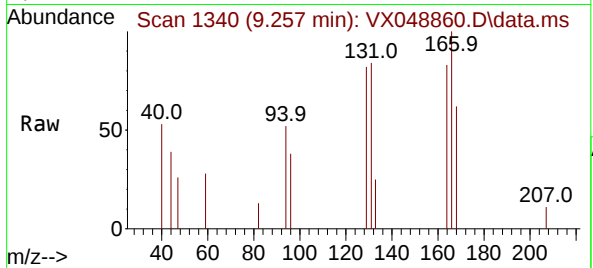




#60
Dibromochloromethane
Concen: 0.490 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

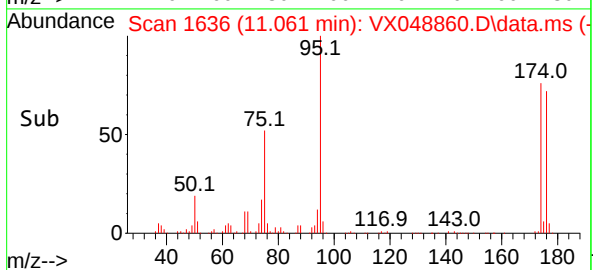
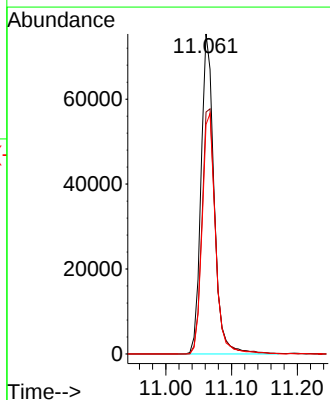
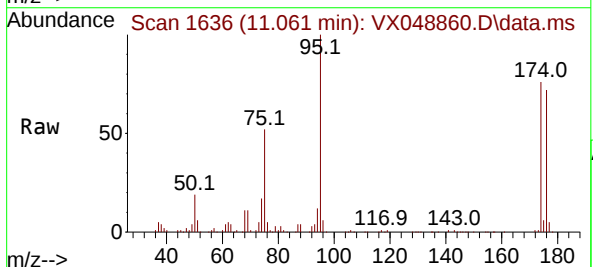
Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

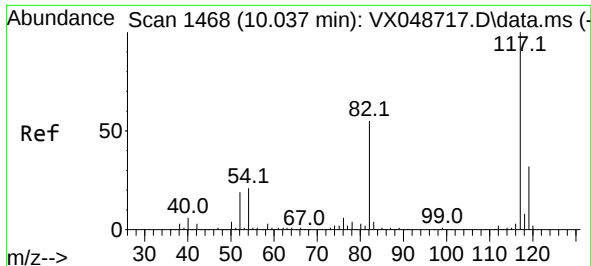
Tgt Ion:129 Resp: 874
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 58.681 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion: 95 Resp: 103927
Ion Ratio Lower Upper
95 100
174 80.2 0.0 157.8
176 76.9 0.0 154.0

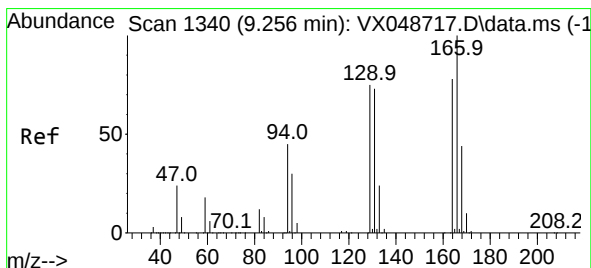
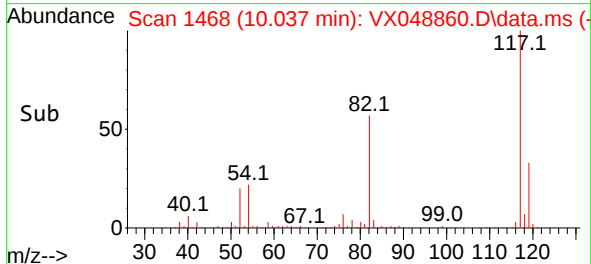
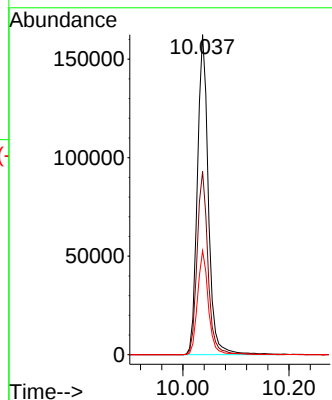
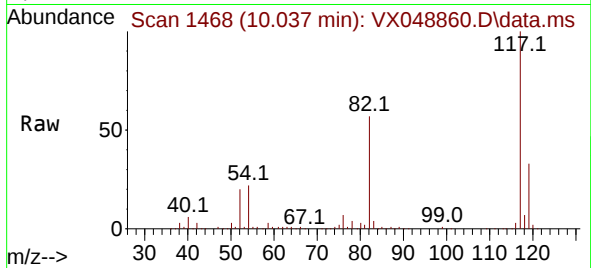




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

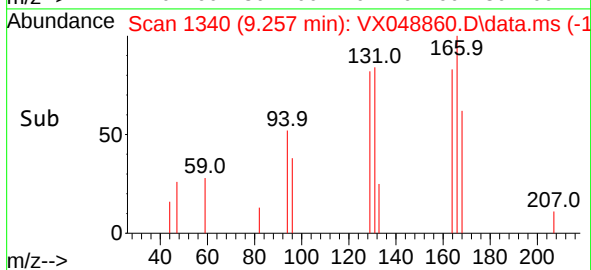
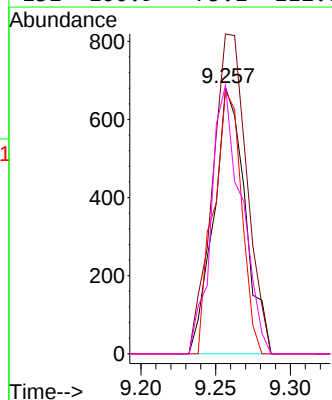
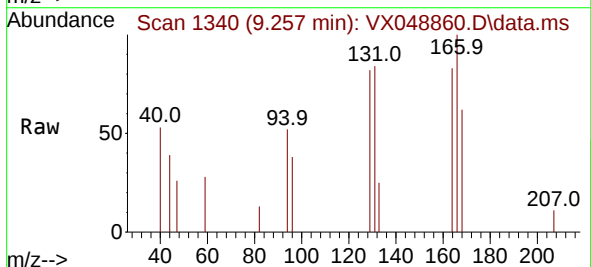
Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

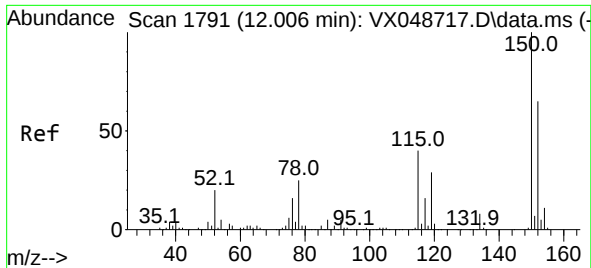
Tgt Ion:117 Resp: 234059
Ion Ratio Lower Upper
117 100
82 57.3 44.1 66.1
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 0.586 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion:164 Resp: 999
Ion Ratio Lower Upper
164 100
166 120.1 103.1 154.7
129 98.7 76.9 115.3
131 100.9 75.1 112.7

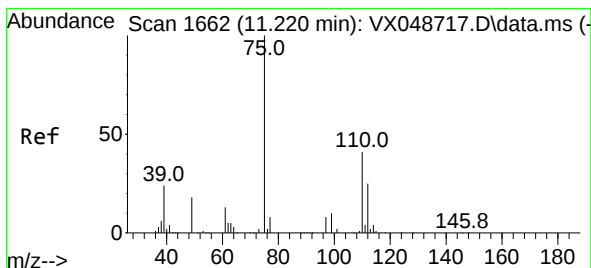
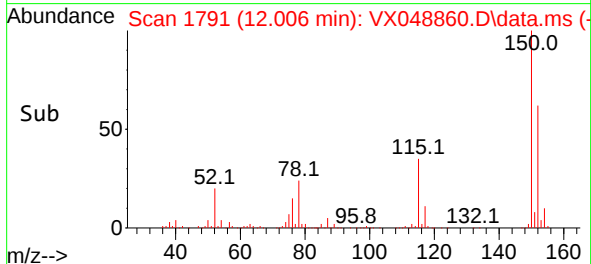
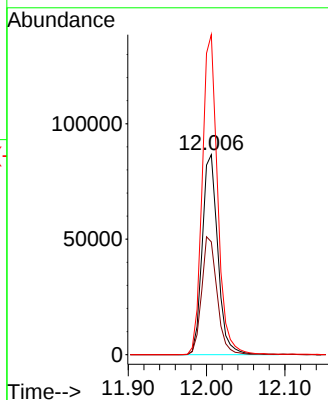
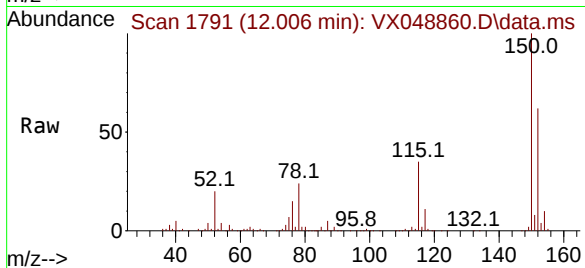




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048860.D
 Acq: 12 Dec 2025 17:09

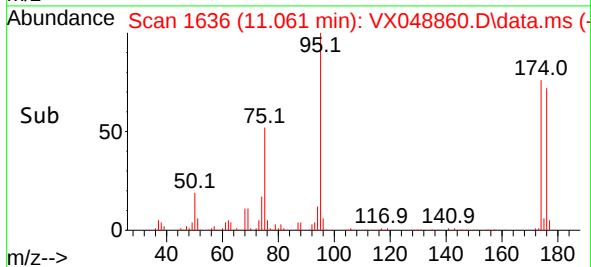
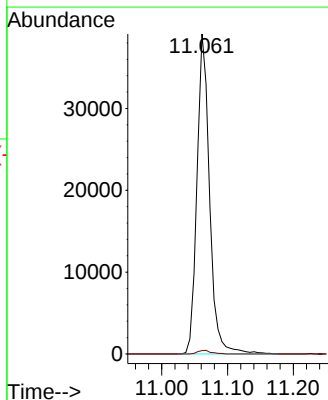
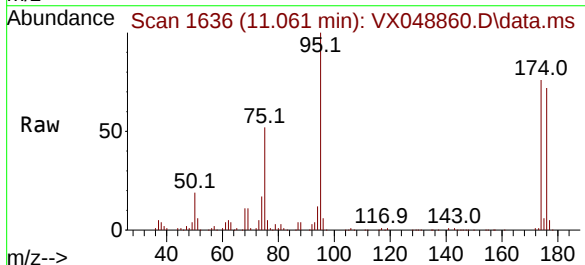
Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-121125

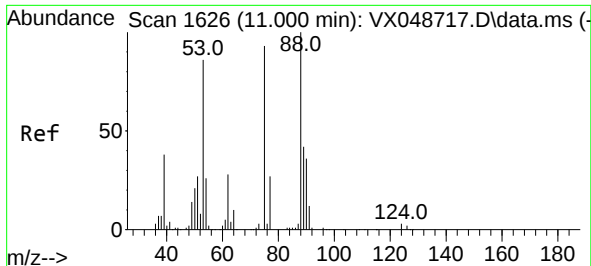
Tgt Ion:152 Resp: 119727
 Ion Ratio Lower Upper
 152 100
 115 58.3 42.1 126.4
 150 157.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 23.397 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX048860.D
 Acq: 12 Dec 2025 17:09

Tgt Ion: 75 Resp: 52174
 Ion Ratio Lower Upper
 75 100
 77 1.2 24.3 73.0#

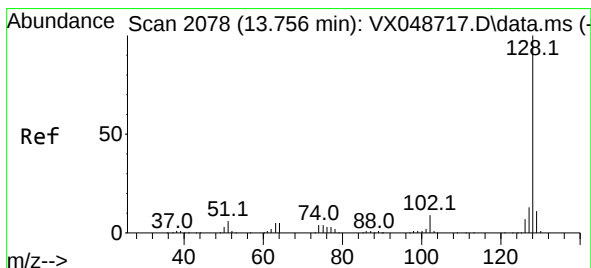
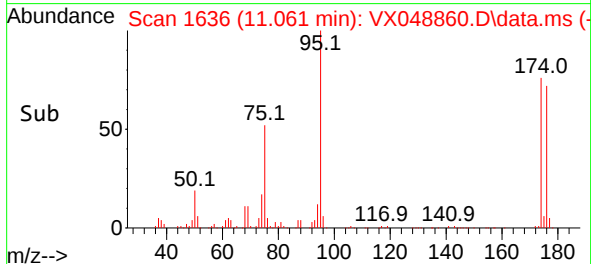
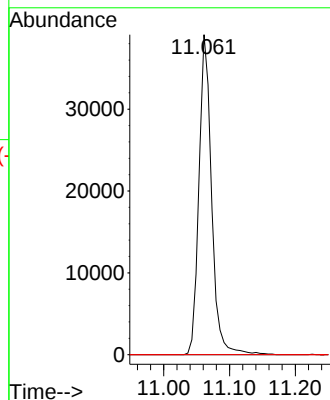
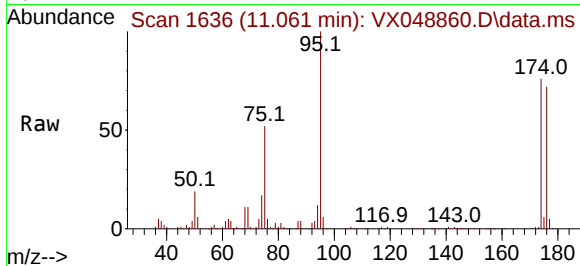




#81
trans-1,4-Dichloro-2-butene
Concen: 55.577 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Instrument :
MSVOA_X
ClientSampleId :
TB01-121125

Tgt Ion: 75 Resp: 52174
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 2080
Delta R.T. 0.012 min
Lab File: VX048860.D
Acq: 12 Dec 2025 17:09

Tgt Ion:128 Resp: 147
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

