

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048569.D
 Acq On : 12 Nov 2025 11:38
 Operator : JC/MD
 Sample : Q3603-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Nov 14 00:26:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	161824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	327595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	338595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	181468	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	119320	52.916	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.840%	
35) Dibromofluoromethane	5.373	113	105600	42.590	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 85.180%	
50) Toluene-d8	8.635	98	378915	49.000	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.000%	
62) 4-Bromofluorobenzene	11.061	95	161903	56.181	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.360%	

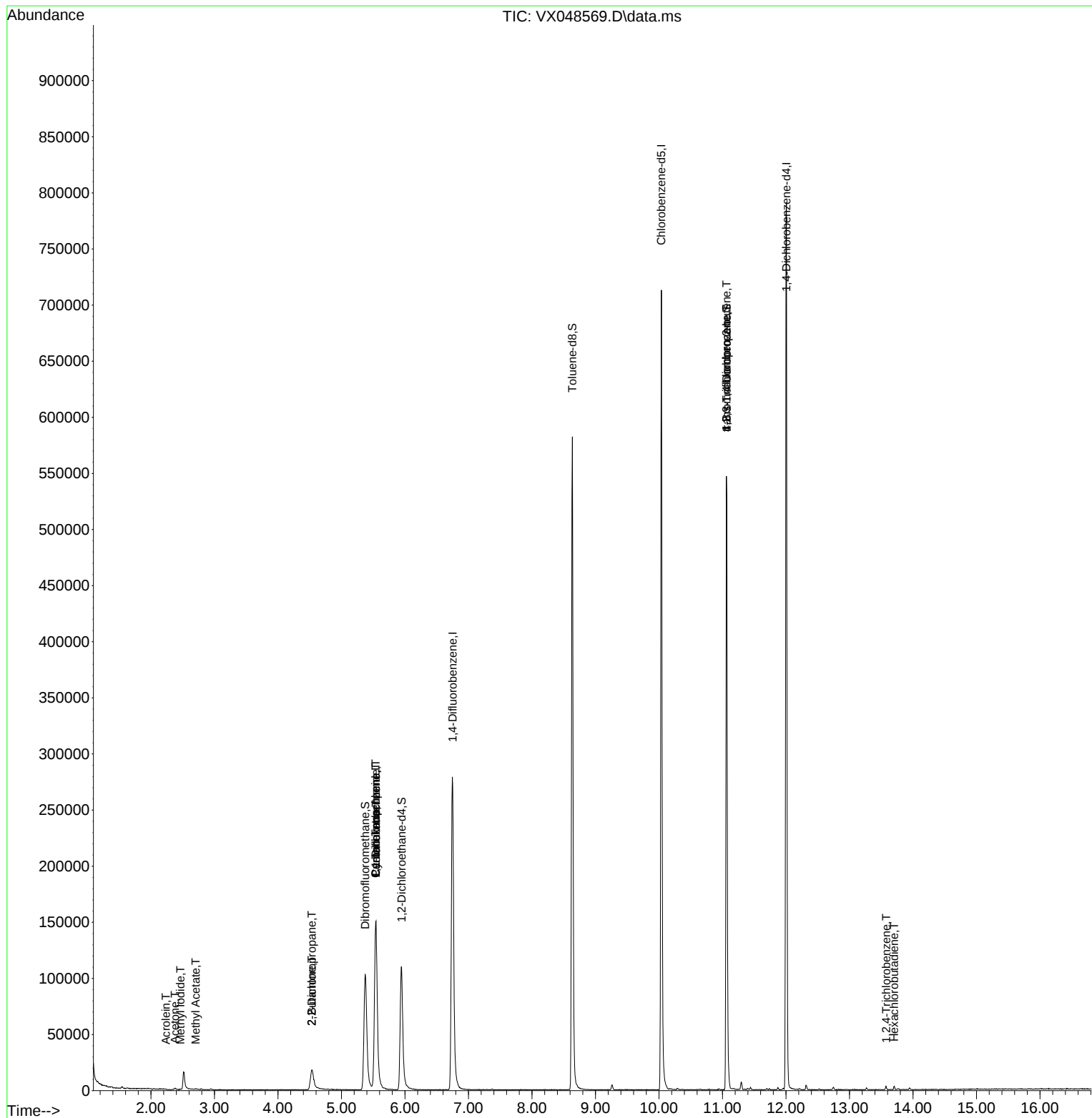
Target Compounds			Qvalue			
10) Methyl Iodide	2.465	142	685	0.257	ug/l #	84
13) Acrolein	2.233	56	60	0.971	ug/l #	15
16) Acetone	2.380	43	2006	1.879	ug/l #	77
18) Methyl Acetate	2.703	43	1130	0.385	ug/l #	68
25) 2-Butanone	4.532	43	1307	0.828	ug/l #	48
26) 2,2-Dichloropropane	4.532	77	1747	0.555	ug/l #	52
31) Cyclohexane	5.544	56	3211	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	12343	3.718	ug/l #	49
38) Carbon Tetrachloride	5.538	117	16691	4.416	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	79752	18.242	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	79752	52.179	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.579	180	877	0.216	ug/l	93
94) Hexachlorobutadiene	13.701	225	472	0.278	ug/l	80

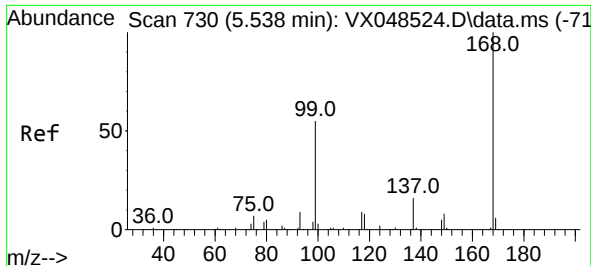
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
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Response via : Initial Calibration

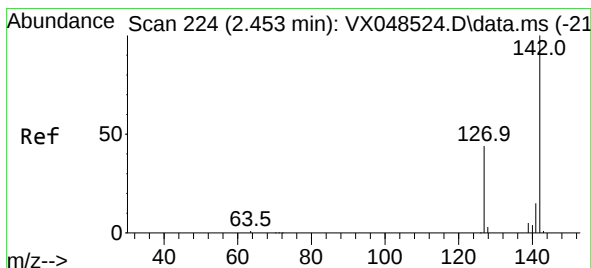
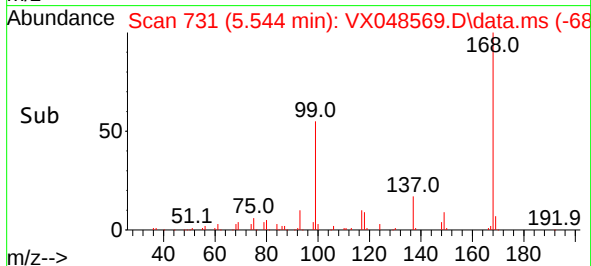
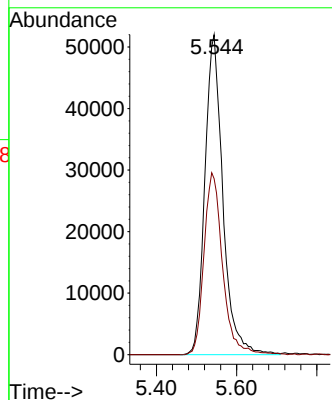
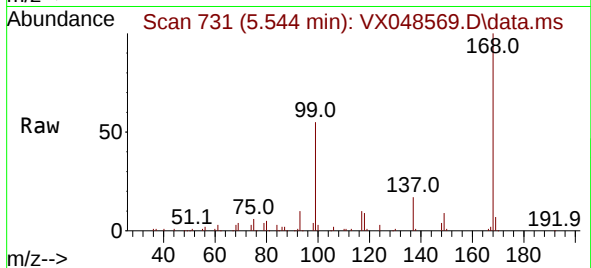




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

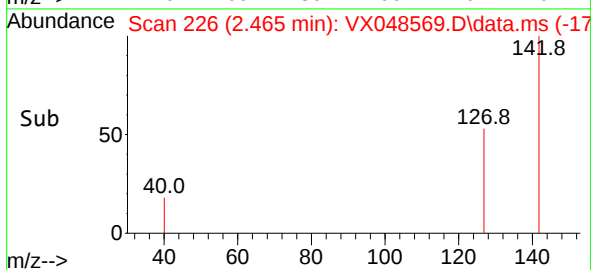
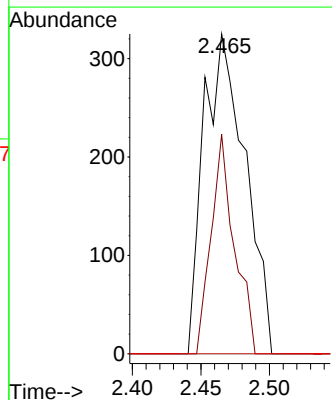
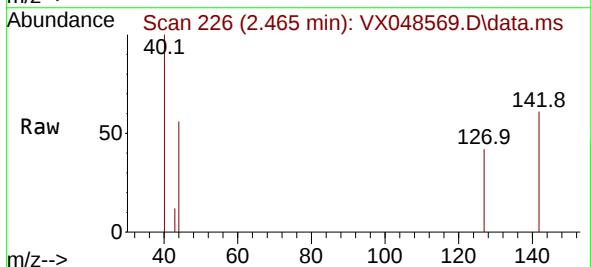
Instrument :
MSVOA_X
ClientSampleId :
TB

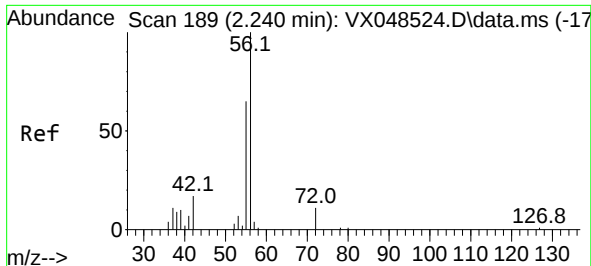
Tgt Ion:168 Resp: 161824
Ion Ratio Lower Upper
168 100
99 55.0 45.2 67.8



#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

Tgt Ion:142 Resp: 685
Ion Ratio Lower Upper
142 100
127 38.5 35.8 53.6
141 0.0 11.4 17.0#

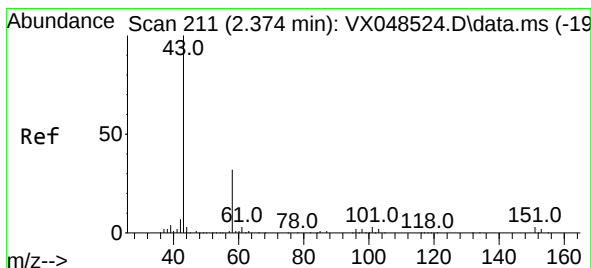
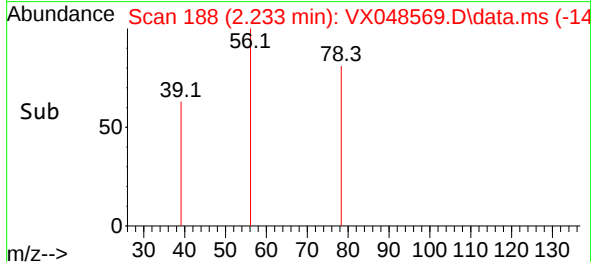
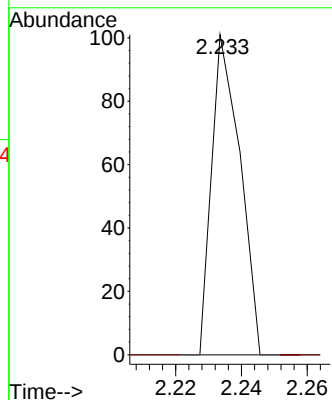
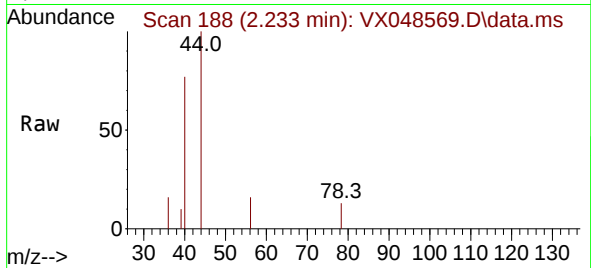




#13
Acrolein
Concen: 0.971 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

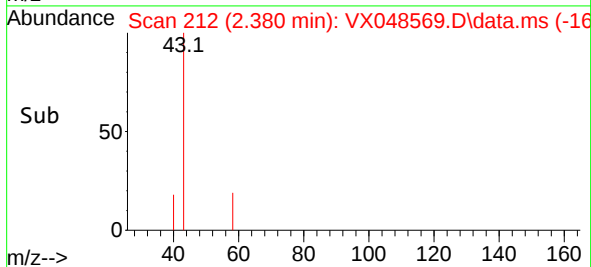
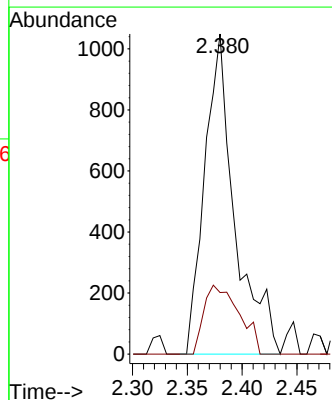
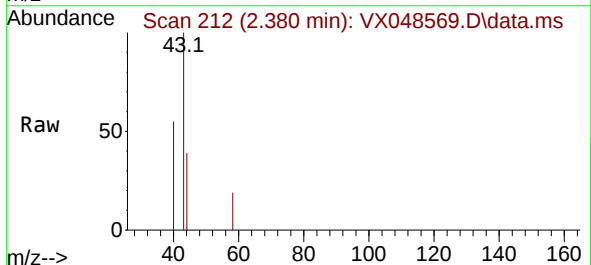
Instrument :
MSVOA_X
ClientSampleId :
TB

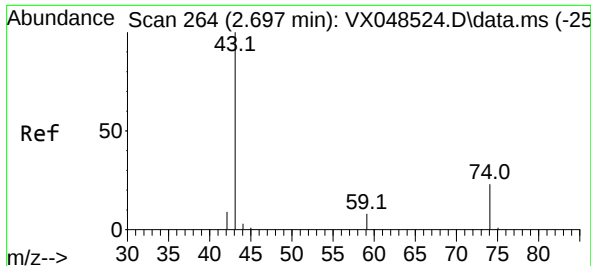
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 1.879 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
58 19.3 25.8 38.6#

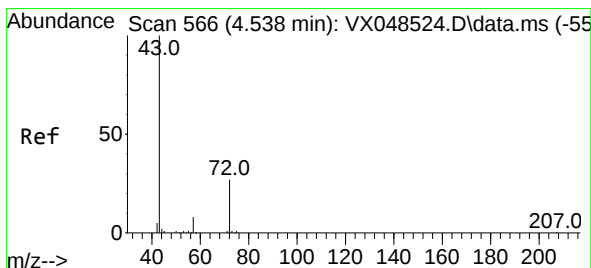
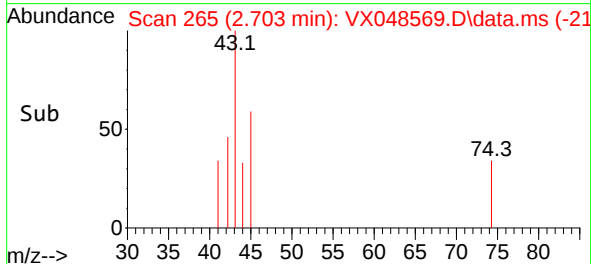
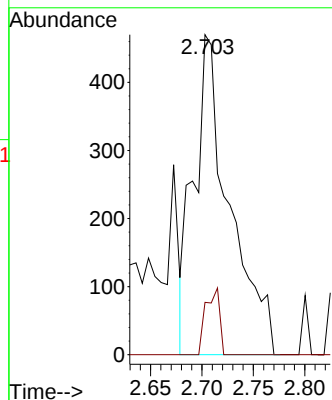
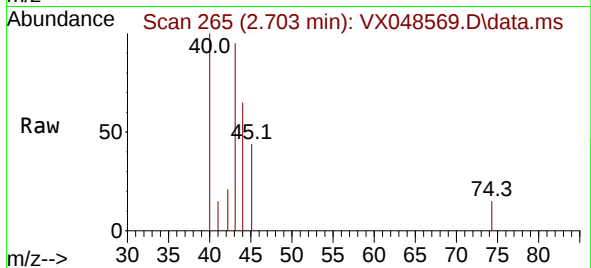




#18
Methyl Acetate
Concen: 0.385 ug/l
RT: 2.703 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

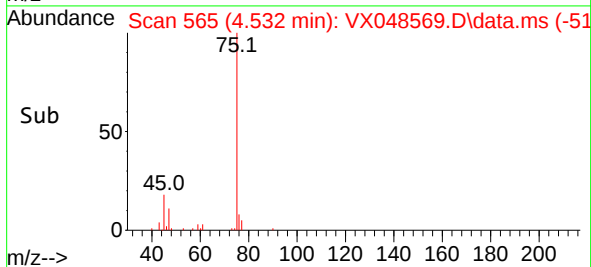
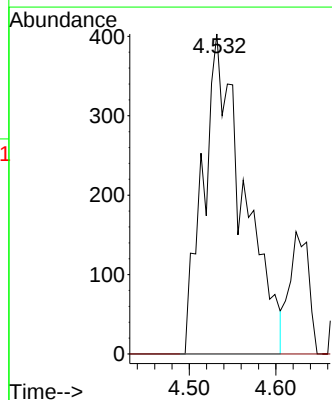
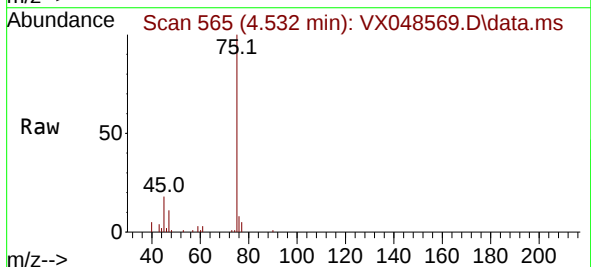
Instrument :
MSVOA_X
ClientSampleId :
TB

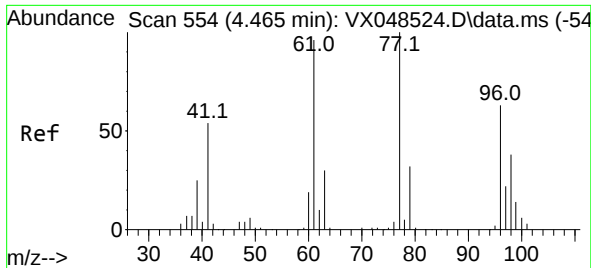
Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
74 8.1 19.1 28.7#



#25
2-Butanone
Concen: 0.828 ug/l
RT: 4.532 min Scan# 565
Delta R.T. -0.006 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

Tgt Ion: 43 Resp: 1307
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#

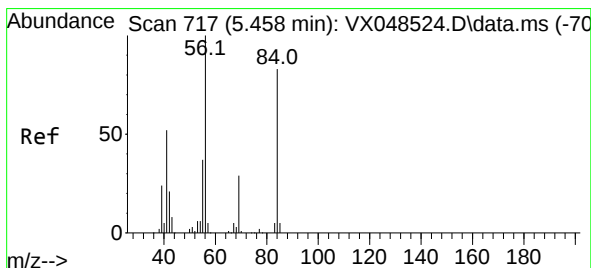
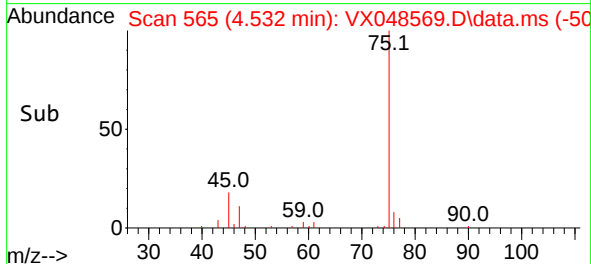
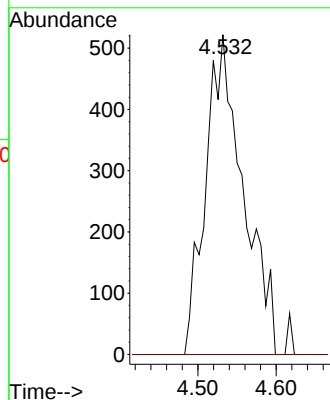
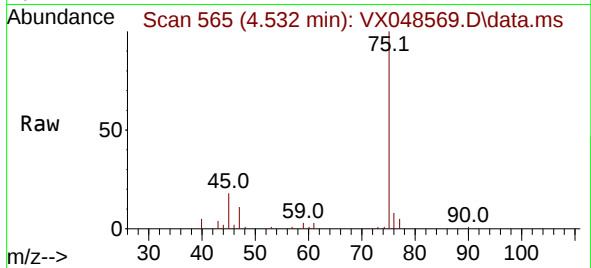




#26
2,2-Dichloropropane
Concen: 0.555 ug/l
RT: 4.532 min Scan# 50
Delta R.T. 0.067 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

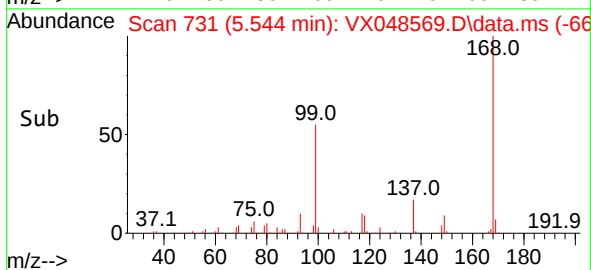
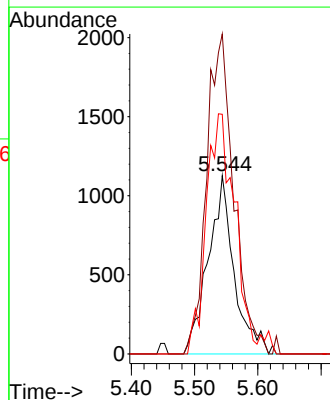
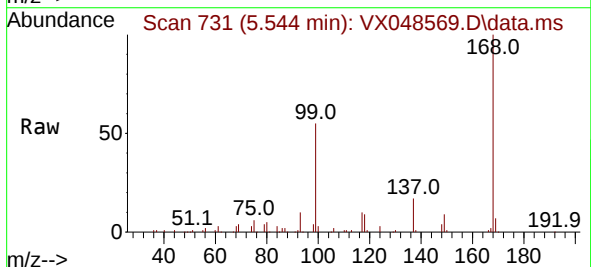
Instrument :
MSVOA_X
ClientSampleId :
TB

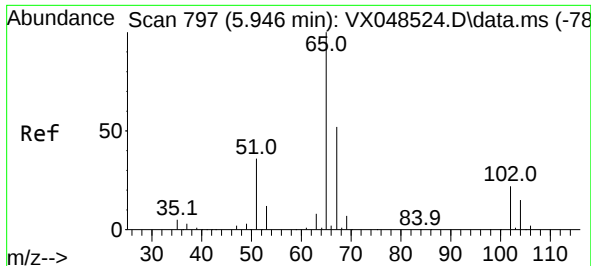
Tgt Ion: 77 Resp: 1747
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

Tgt Ion: 56 Resp: 3211
Ion Ratio Lower Upper
56 100
69 179.5 23.4 35.2#
84 145.7 66.3 99.5#

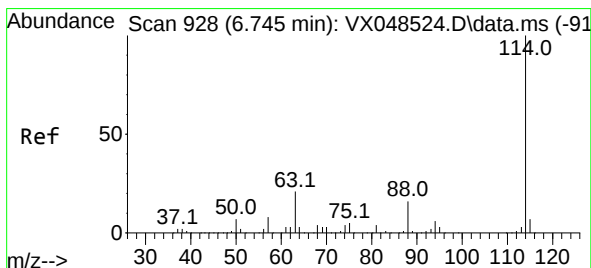
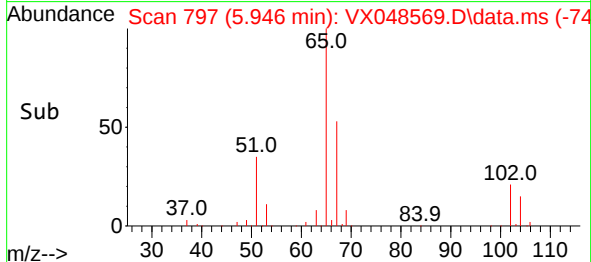
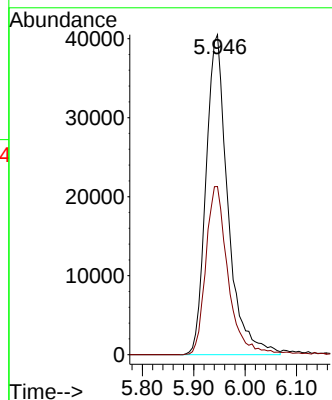
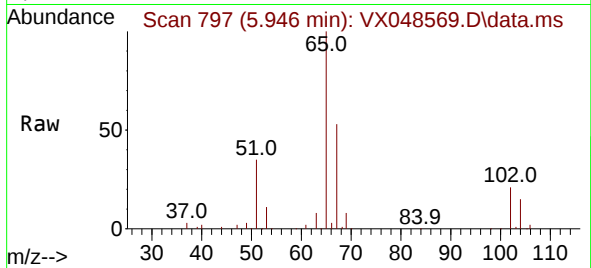




#33
 1,2-Dichloroethane-d4
 Concen: 52.916 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX048569.D
 Acq: 12 Nov 2025 11:38

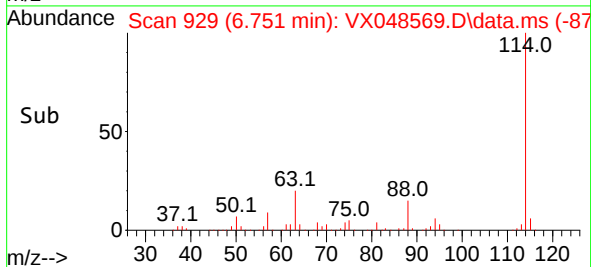
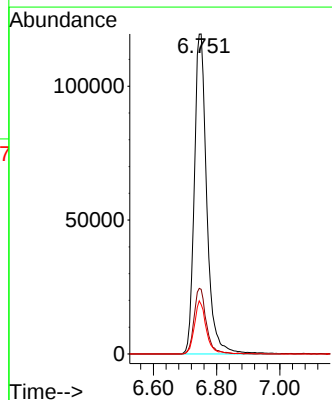
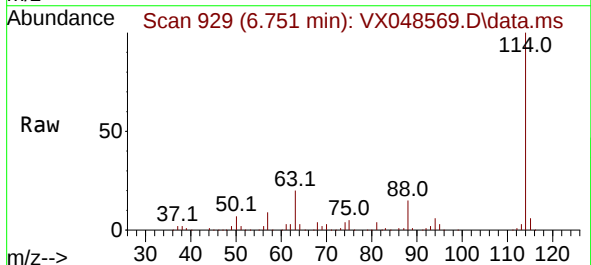
Instrument :
 MSVOA_X
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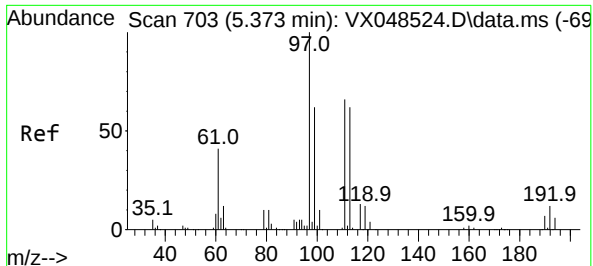
Tgt Ion: 65 Resp: 119320
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048569.D
 Acq: 12 Nov 2025 11:38

Tgt Ion: 114 Resp: 327595
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.2
 88 15.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 42.590 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048569.D

Acq: 12 Nov 2025 11:38

Instrument :

MSVOA_X

ClientSampleId :

TB

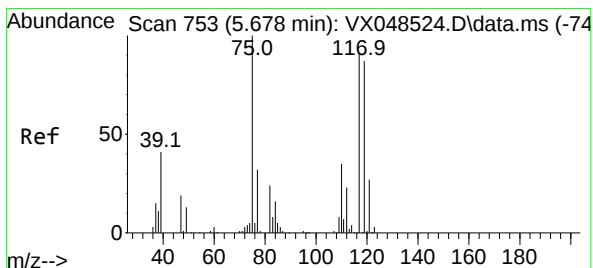
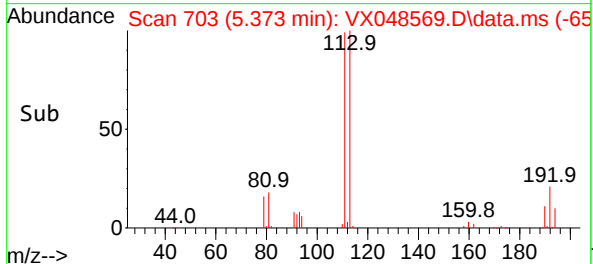
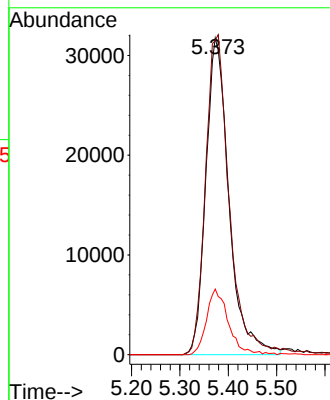
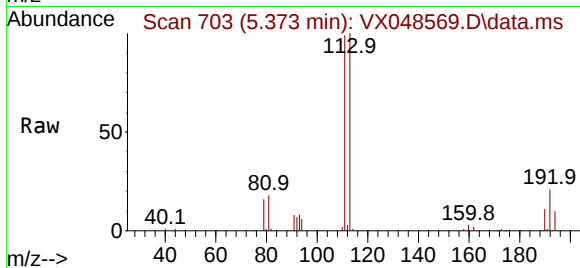
Tgt Ion:113 Resp: 105600

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 19.6 15.8 23.6



#36

1,1-Dichloropropene

Concen: 3.718 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.140 min

Lab File: VX048569.D

Acq: 12 Nov 2025 11:38

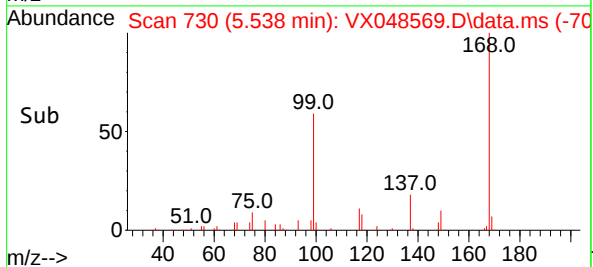
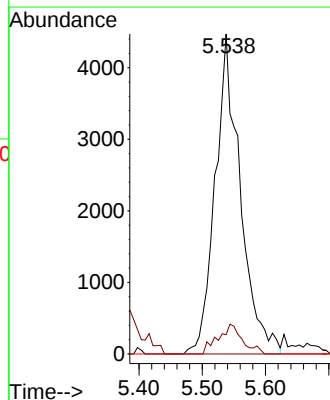
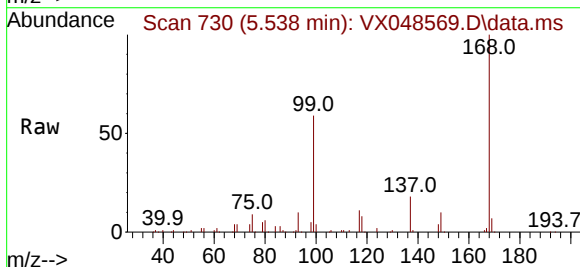
Tgt Ion: 75 Resp: 12343

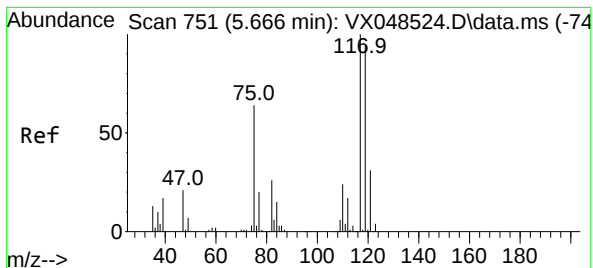
Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.4#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.416 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX048569.D

Acq: 12 Nov 2025 11:38

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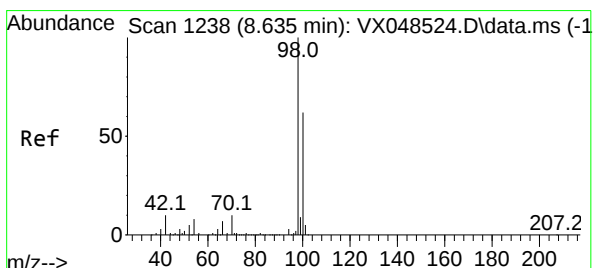
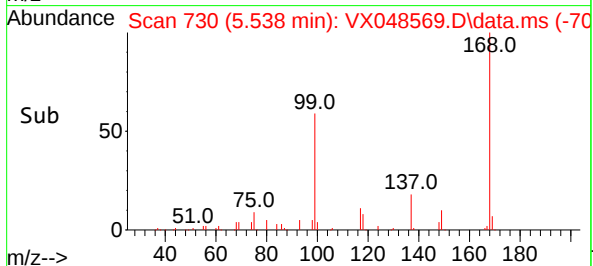
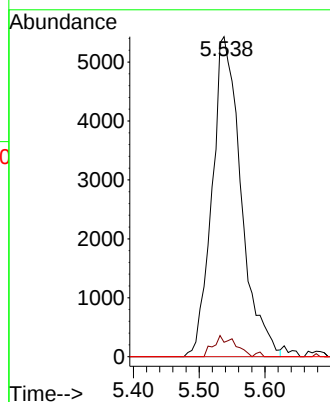
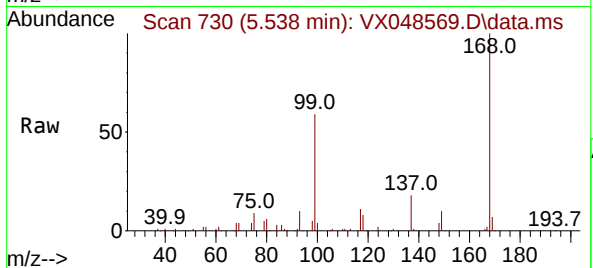
Tgt Ion:117 Resp: 16691

Ion Ratio Lower Upper

117 100

119 4.5 74.5 111.7#

121 0.0 24.8 37.2#



#50

Toluene-d8

Concen: 49.000 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VX048569.D

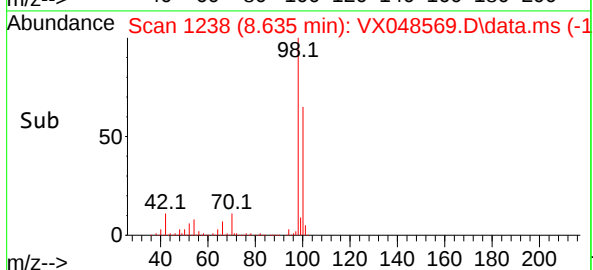
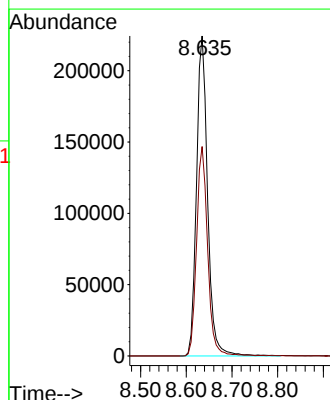
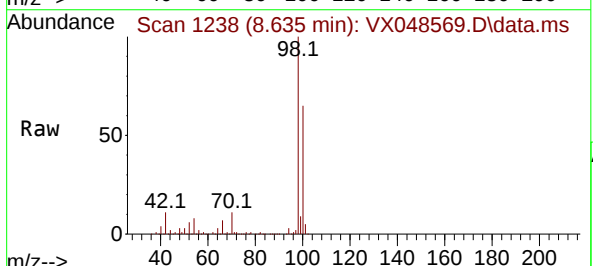
Acq: 12 Nov 2025 11:38

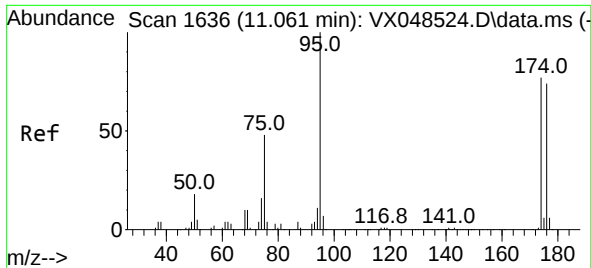
Tgt Ion: 98 Resp: 378915

Ion Ratio Lower Upper

98 100

100 65.3 53.6 80.4

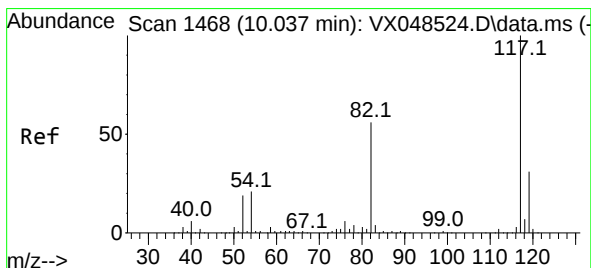
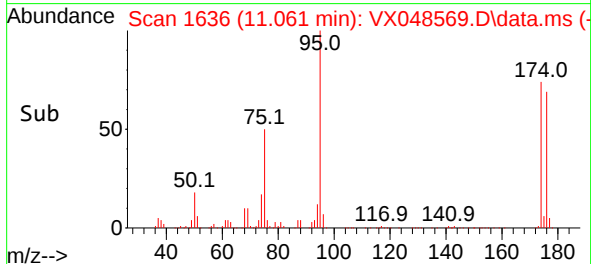
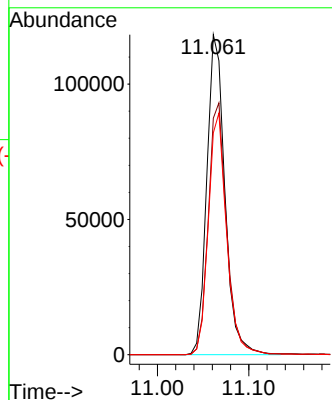
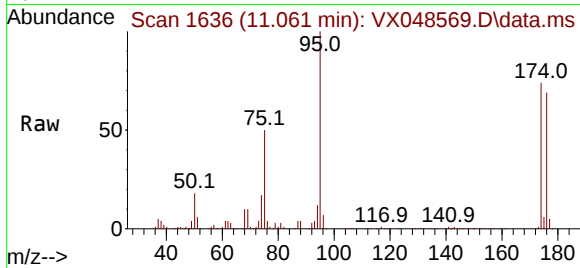




#62
4-Bromofluorobenzene
Concen: 56.181 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

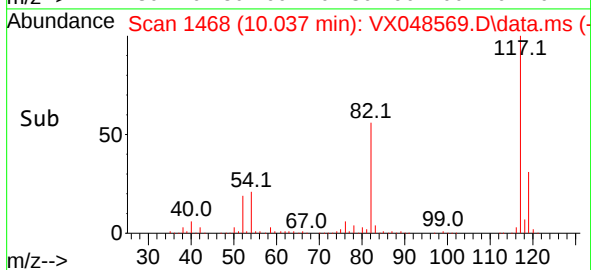
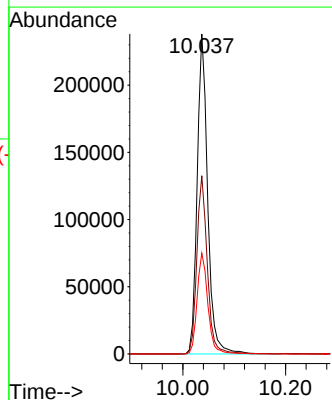
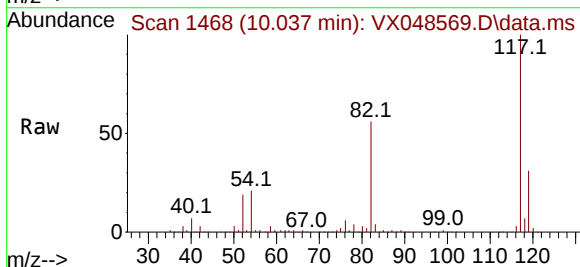
Instrument :
MSVOA_X
ClientSampleId :
TB

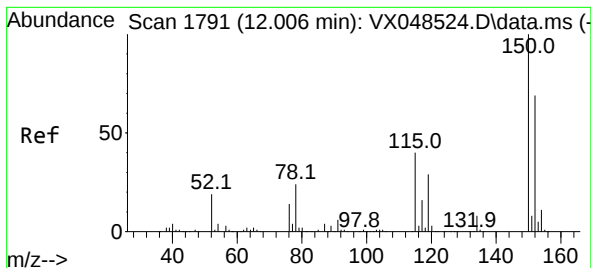
Tgt Ion: 95 Resp: 161903
Ion Ratio Lower Upper
95 100
174 80.3 0.0 161.8
176 76.6 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

Tgt Ion: 117 Resp: 338595
Ion Ratio Lower Upper
117 100
82 55.7 44.4 66.6
119 31.5 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048569.D

Acq: 12 Nov 2025 11:38

Instrument :

MSVOA_X

ClientSampleId :

TB

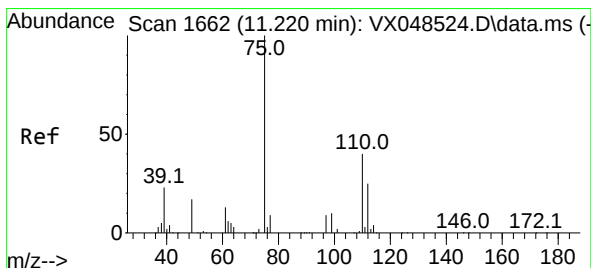
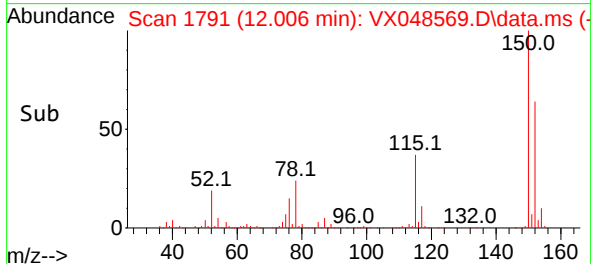
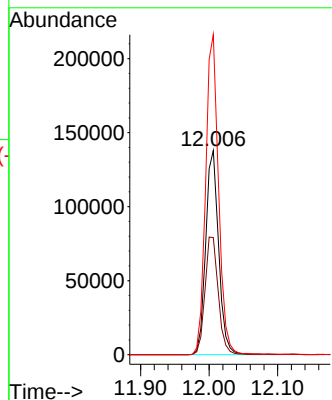
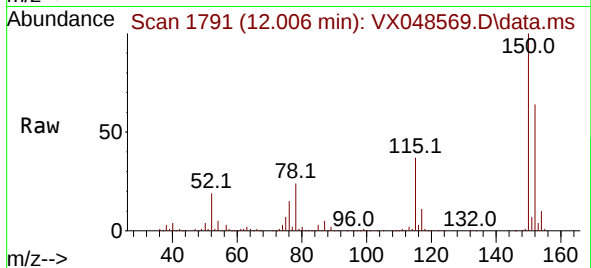
Tgt Ion:152 Resp: 181468

Ion Ratio Lower Upper

152 100

115 59.4 39.2 117.6

150 157.0 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 18.242 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.158 min

Lab File: VX048569.D

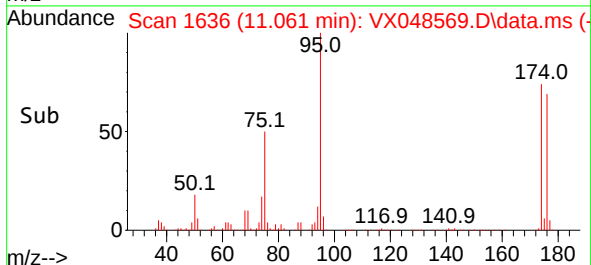
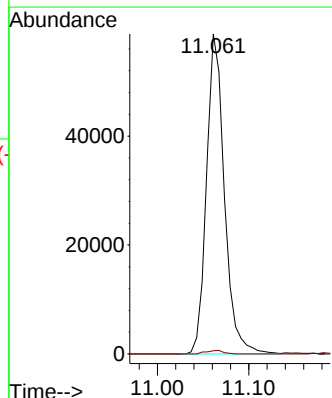
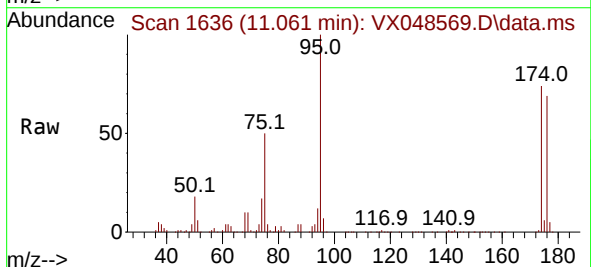
Acq: 12 Nov 2025 11:38

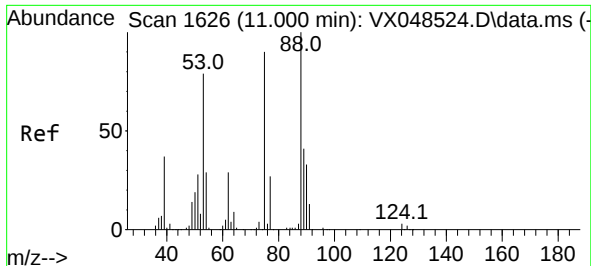
Tgt Ion: 75 Resp: 79752

Ion Ratio Lower Upper

75 100

77 1.1 24.3 72.8#

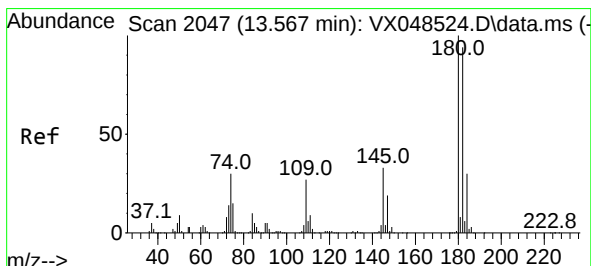
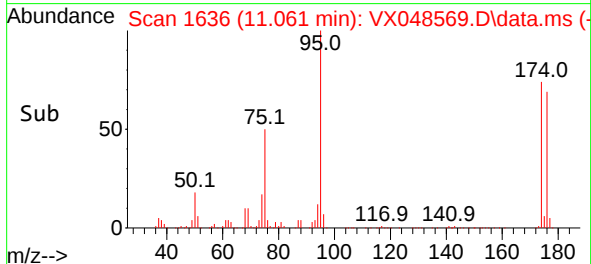
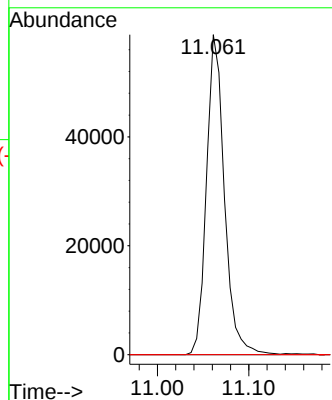
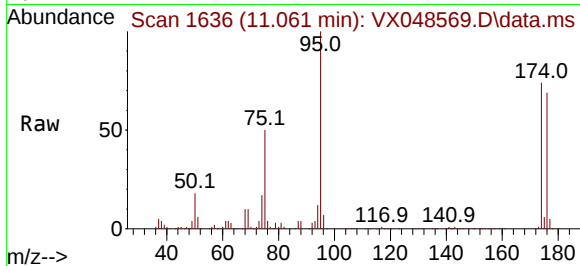




#81
trans-1,4-Dichloro-2-butene
Concen: 52.179 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

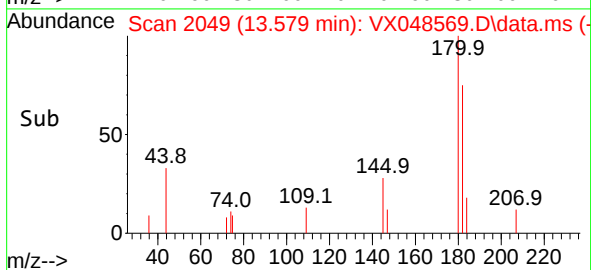
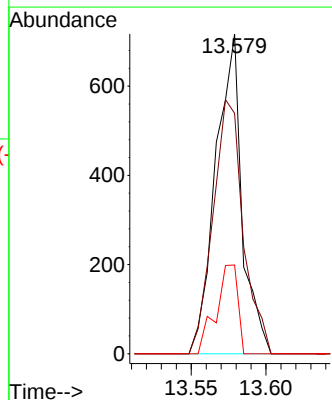
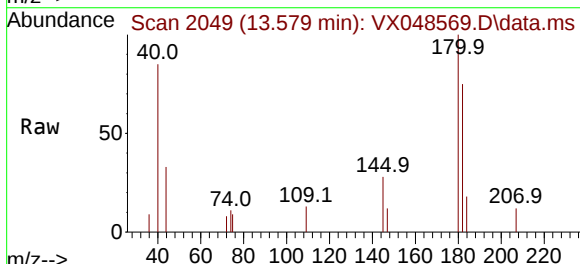
Instrument :
MSVOA_X
ClientSampleId :
TB

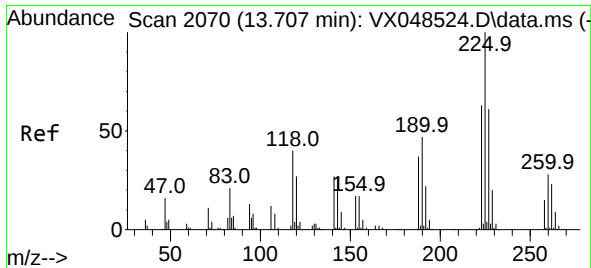
Tgt Ion: 75 Resp: 79752
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.216 ug/l
RT: 13.579 min Scan# 2049
Delta R.T. 0.012 min
Lab File: VX048569.D
Acq: 12 Nov 2025 11:38

Tgt Ion:180 Resp: 877
Ion Ratio Lower Upper
180 100
182 91.1 47.5 142.6
145 22.9 15.9 47.7





#94
 Hexachlorobutadiene
 Concen: 0.278 ug/l
 RT: 13.701 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX048569.D
 Acq: 12 Nov 2025 11:38

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Tgt Ion:225 Resp: 472
 Ion Ratio Lower Upper
 225 100
 223 76.3 30.6 92.0
 227 81.1 32.5 97.4

