

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048791.D
 Acq On : 09 Dec 2025 17:31
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Dec 10 00:29:02 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	153221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	318860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	342650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	185562	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107922	52.478	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.960%
35) Dibromofluoromethane	5.379	113	98936	45.064	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.120%
50) Toluene-d8	8.635	98	354966	46.124	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.240%
62) 4-Bromofluorobenzene	11.061	95	158158	59.598	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.200%

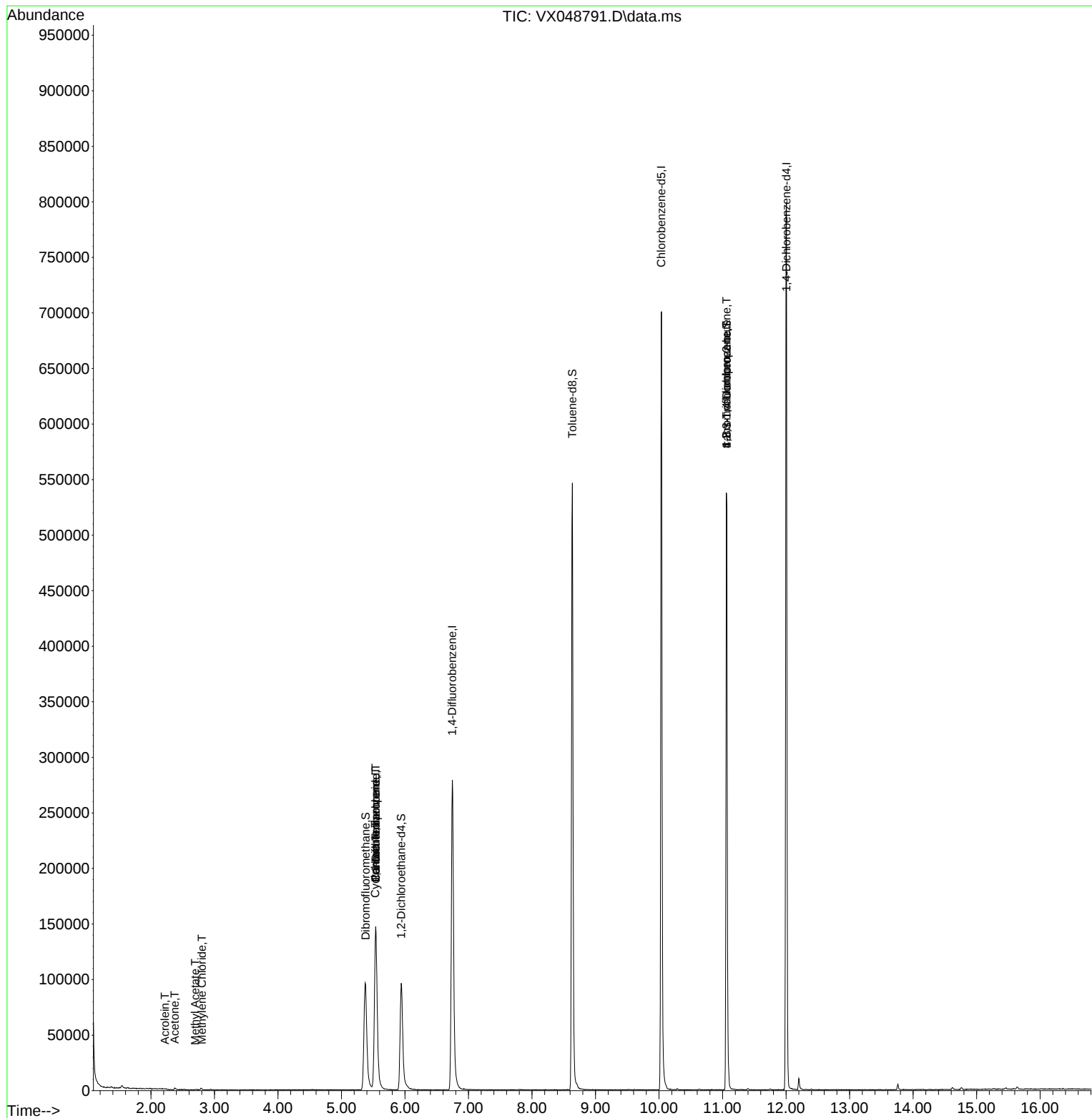
Target Compounds					Qvalue	
13) Acrolein	2.221	56	131	40.520	ug/l #	15
16) Acetone	2.374	43	2495	3.169	ug/l	95
18) Methyl Acetate	2.697	43	774	0.349	ug/l #	66
20) Methylene Chloride	2.800	84	658	0.334	ug/l #	83
31) Cyclohexane	5.532	56	2975	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	11746	3.906	ug/l #	47
38) Carbon Tetrachloride	5.538	117	15942	4.680	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	78864	22.818	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	78864	54.203	ug/l #	3
95) Naphthalene	13.762	128	4027	Below Cal	#	97

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

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Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

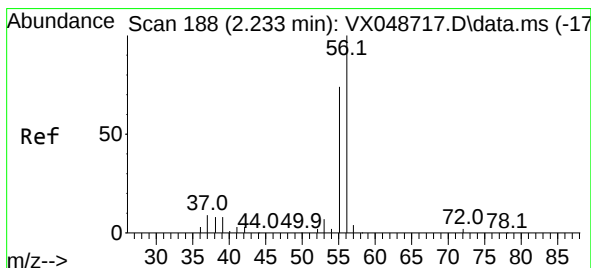
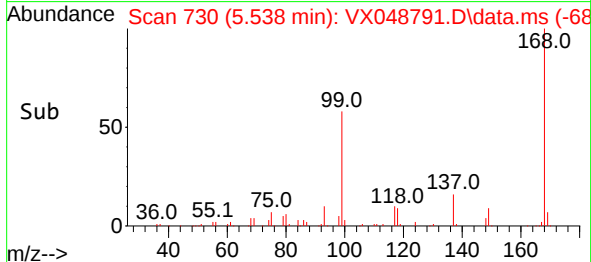
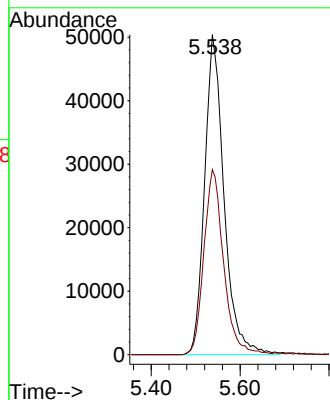
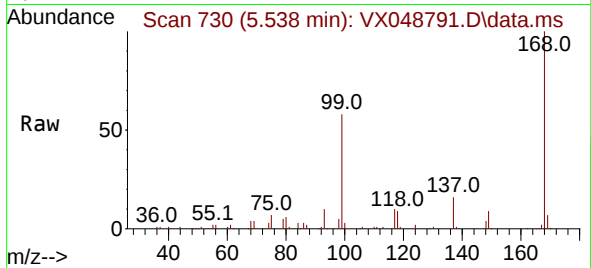




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048791.D
Acq: 09 Dec 2025 17:31

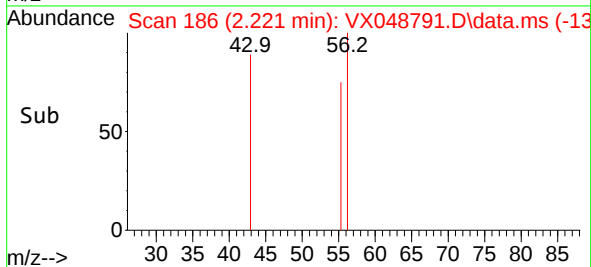
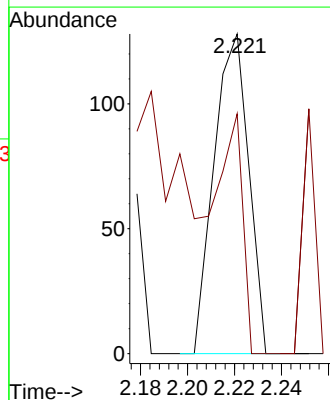
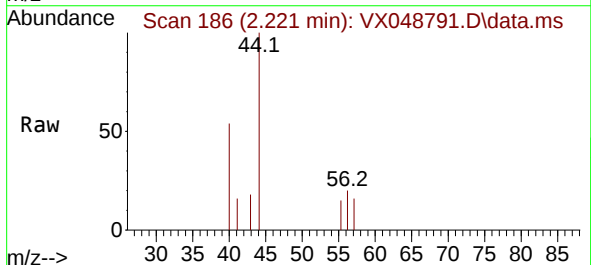
Instrument :
MSVOA_X
ClientSampleId :
IBLK

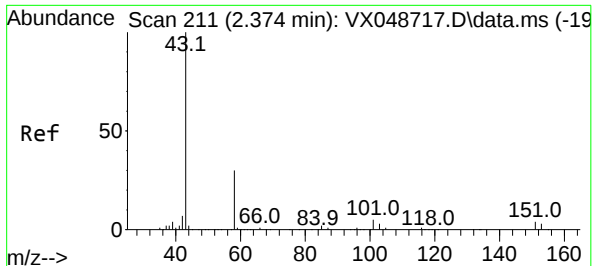
Tgt Ion:168 Resp: 153221
Ion Ratio Lower Upper
168 100
99 57.8 44.2 66.4



#13
Acrolein
Concen: 40.520 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.012 min
Lab File: VX048791.D
Acq: 09 Dec 2025 17:31

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#

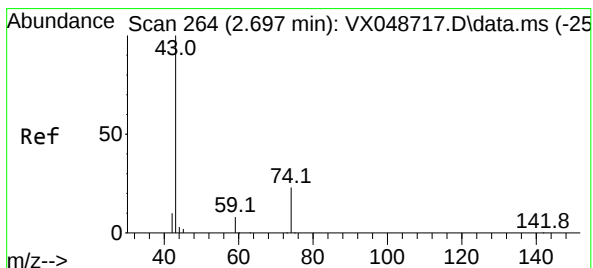
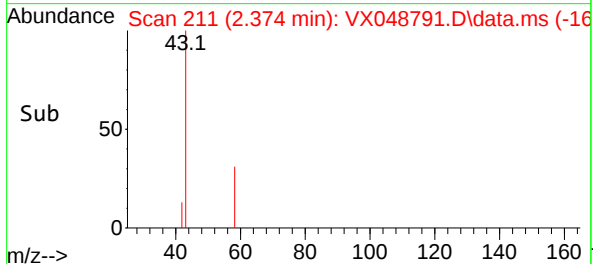
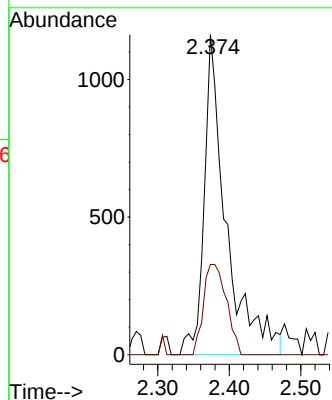
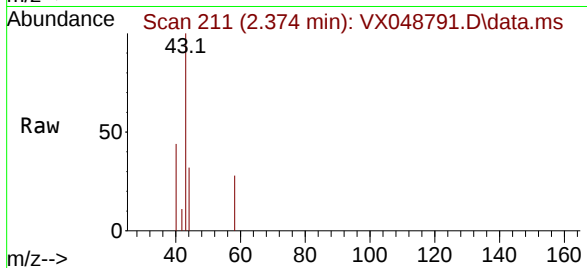




#16
Acetone
Concen: 3.169 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048791.D
Acq: 09 Dec 2025 17:31

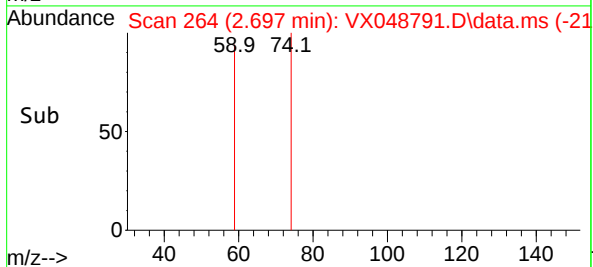
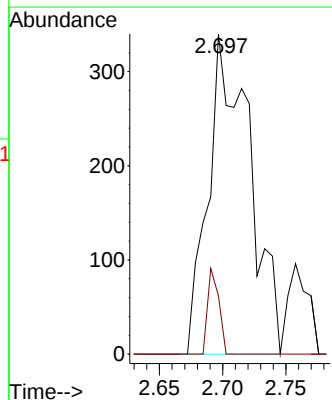
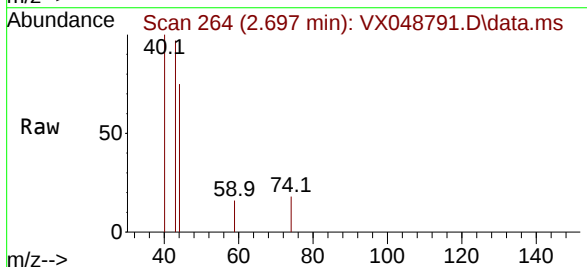
Instrument :
MSVOA_X
ClientSampleId :
IBLK

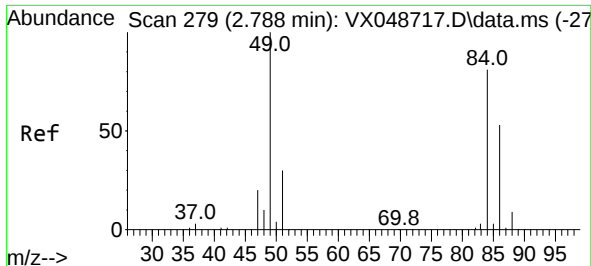
Tgt Ion: 43 Resp: 2495
Ion Ratio Lower Upper
43 100
58 28.2 25.0 37.4



#18
Methyl Acetate
Concen: 0.349 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048791.D
Acq: 09 Dec 2025 17:31

Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
74 7.2 19.2 28.8#





#20

Methylene Chloride

Concen: 0.334 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX048791.D

Acq: 09 Dec 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 658

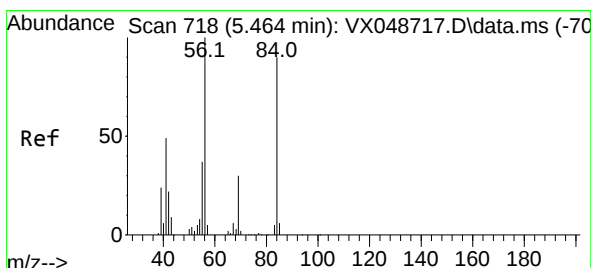
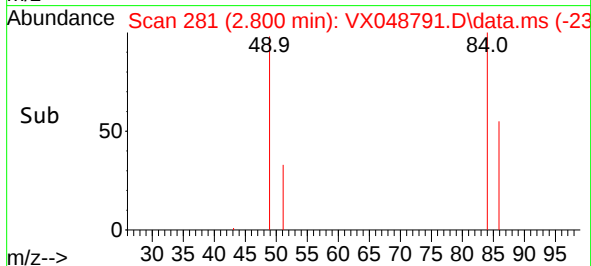
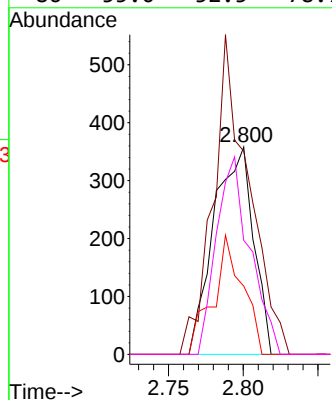
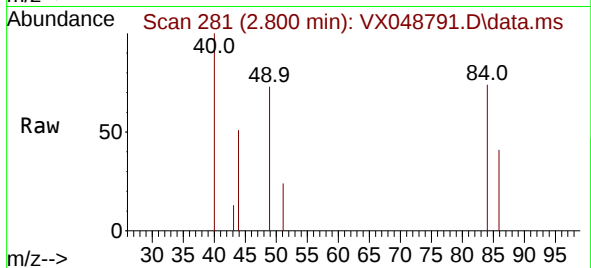
Ion Ratio Lower Upper

84 100

49 98.0 98.7 148.1#

51 33.0 29.4 44.2

86 55.0 52.5 78.7



#31

Cyclohexane

Concen: 1.070 ug/l

RT: 5.532 min Scan# 729

Delta R.T. 0.067 min

Lab File: VX048791.D

Acq: 09 Dec 2025 17:31

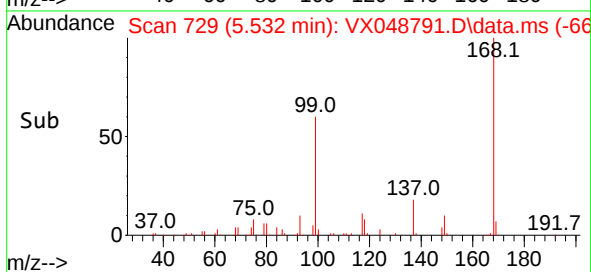
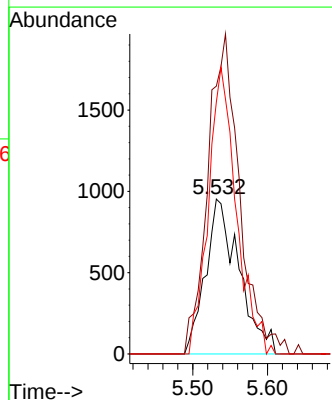
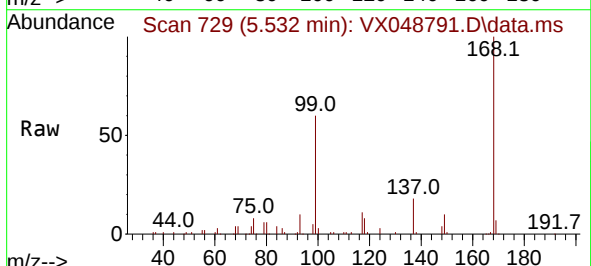
Tgt Ion: 56 Resp: 2975

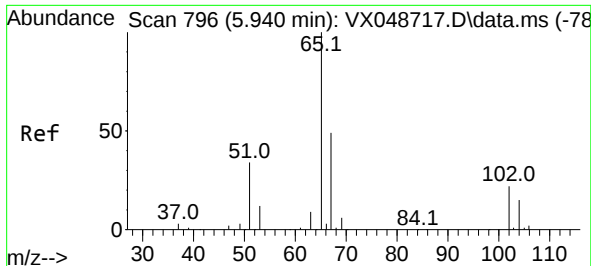
Ion Ratio Lower Upper

56 100

69 172.8 24.2 36.2#

84 162.6 72.1 108.1#

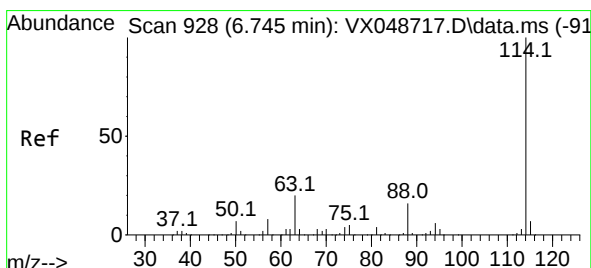
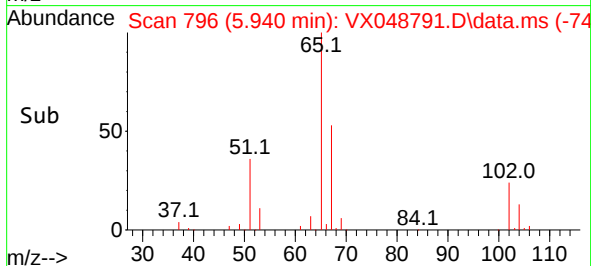
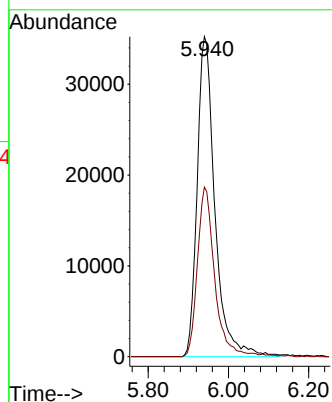
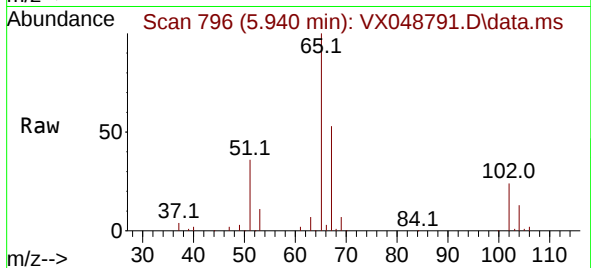




#33
 1,2-Dichloroethane-d4
 Concen: 52.478 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048791.D
 Acq: 09 Dec 2025 17:31

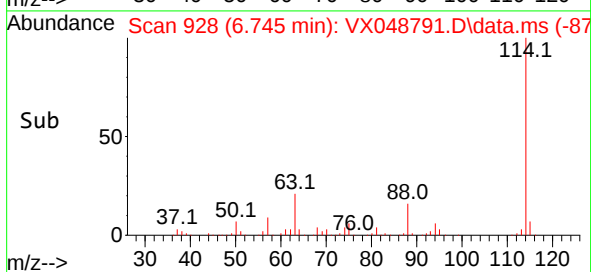
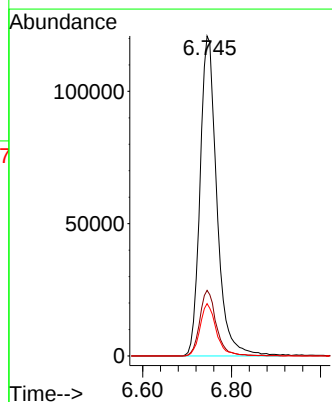
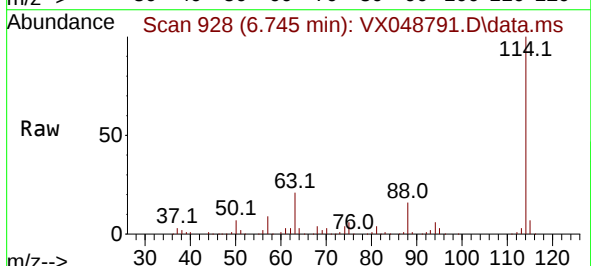
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

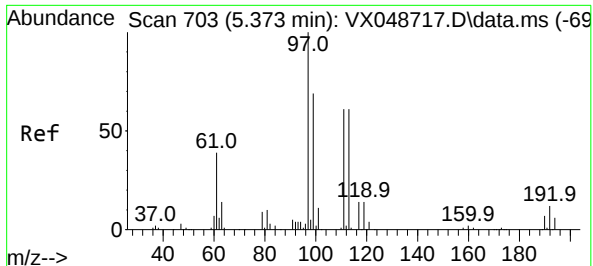
Tgt Ion: 65 Resp: 107922
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX048791.D
 Acq: 09 Dec 2025 17:31

Tgt Ion: 114 Resp: 318860
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 45.064 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048791.D

Acq: 09 Dec 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

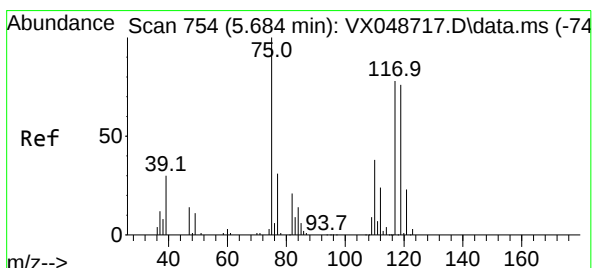
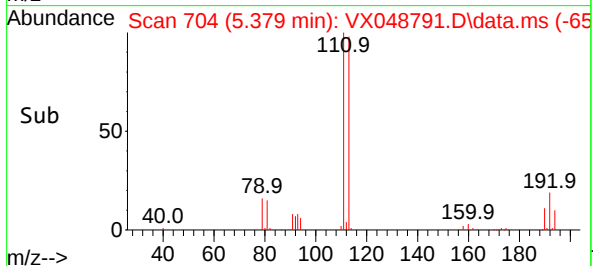
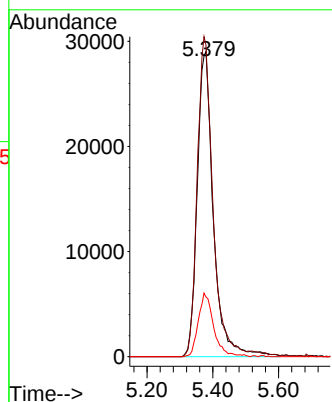
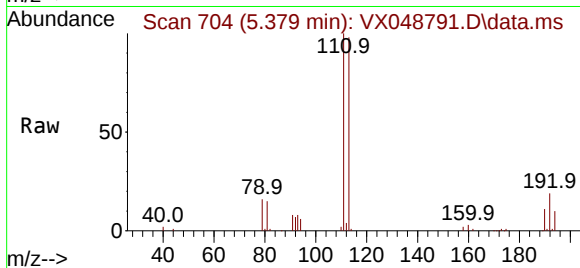
Tgt Ion:113 Resp: 98936

Ion Ratio Lower Upper

113 100

111 101.1 79.5 119.3

192 19.6 16.1 24.1



#36

1,1-Dichloropropene

Concen: 3.906 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX048791.D

Acq: 09 Dec 2025 17:31

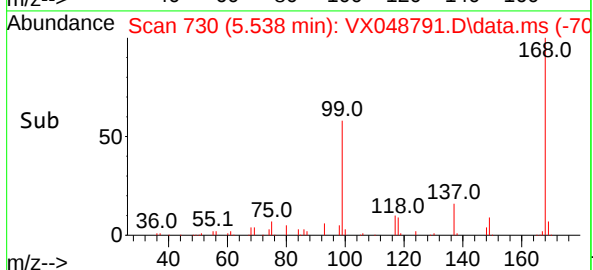
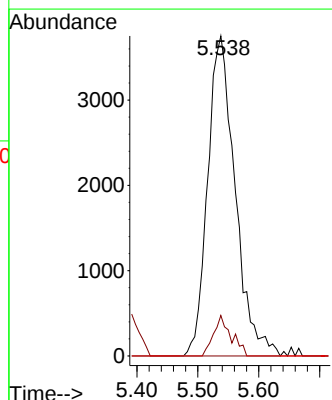
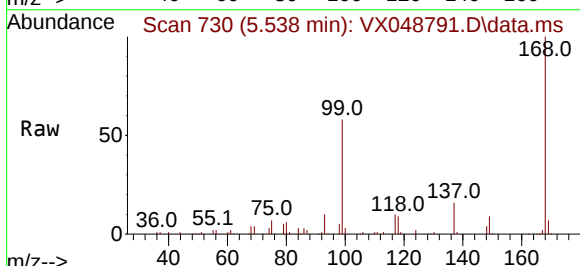
Tgt Ion: 75 Resp: 11746

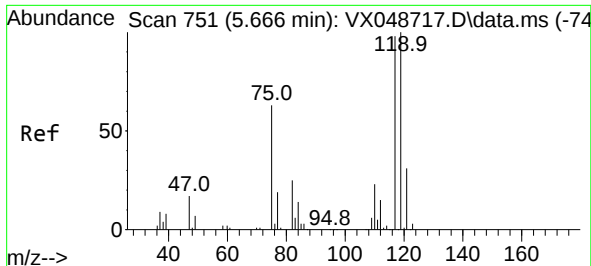
Ion Ratio Lower Upper

75 100

110 8.1 18.6 55.8#

77 0.0 25.3 37.9#

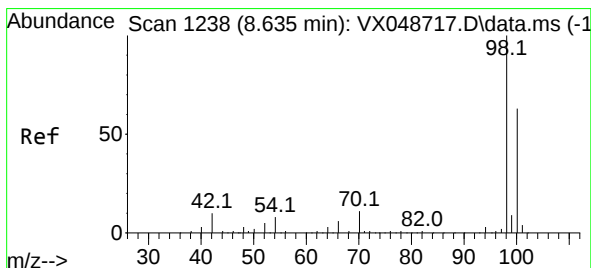
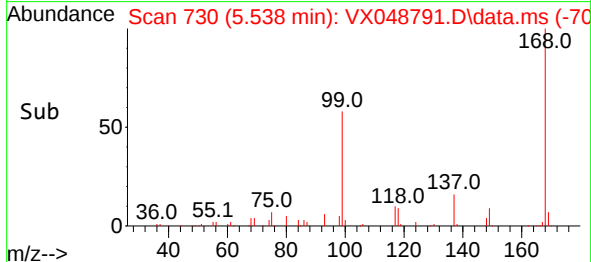
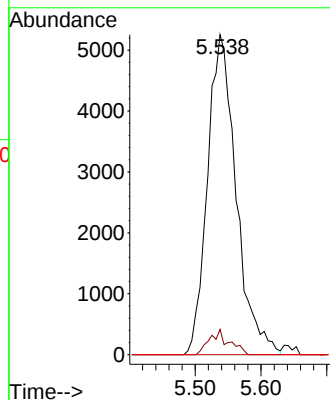
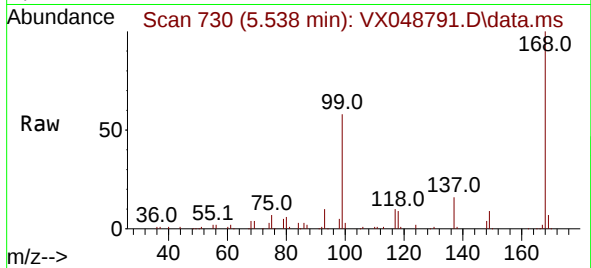




#38
Carbon Tetrachloride
Concen: 4.680 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048791.D
Acq: 09 Dec 2025 17:31

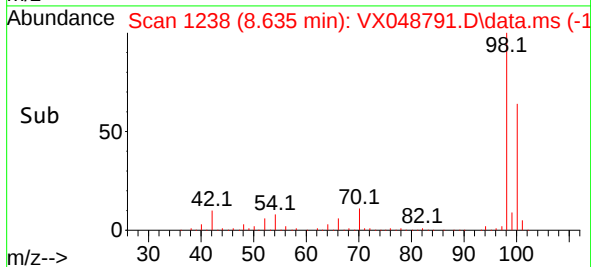
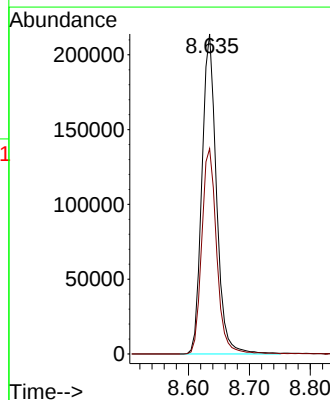
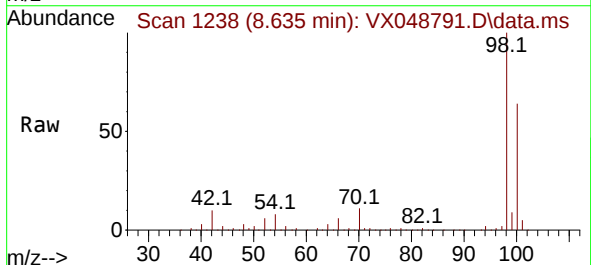
Instrument :
MSVOA_X
ClientSampleId :
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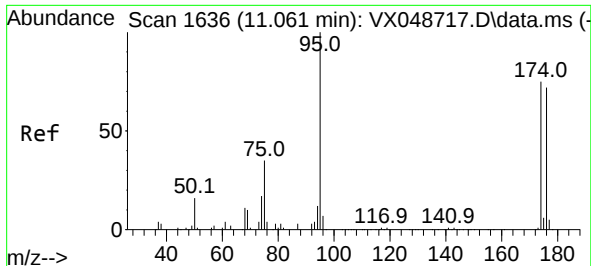
Tgt Ion:117 Resp: 15942
Ion Ratio Lower Upper
117 100
119 7.9 80.5 120.7#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 46.124 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048791.D
Acq: 09 Dec 2025 17:31

Tgt Ion: 98 Resp: 354966
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 59.598 ug/l

RT: 11.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048791.D

Acq: 09 Dec 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

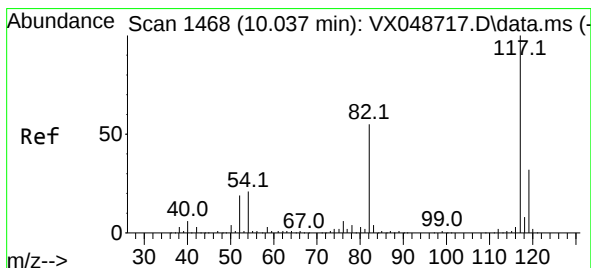
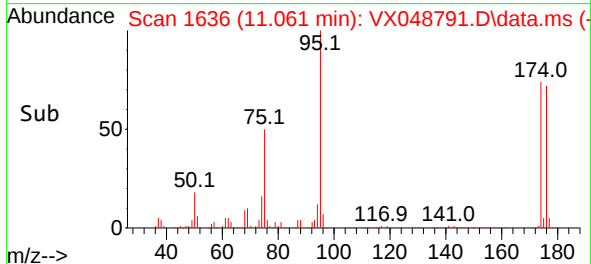
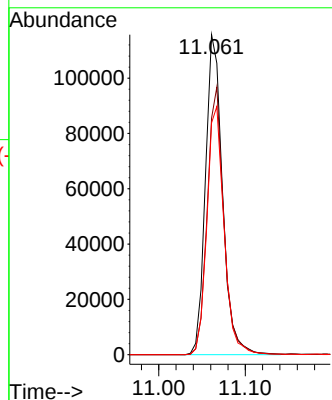
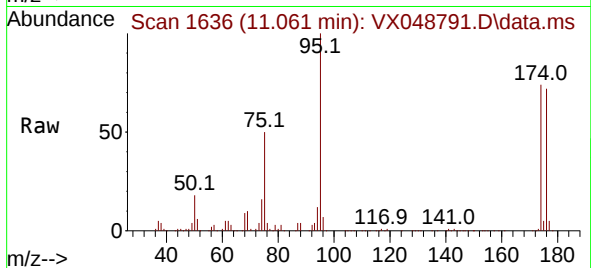
Tgt Ion: 95 Resp: 158158

Ion Ratio Lower Upper

95 100

174 81.9 0.0 157.8

176 78.3 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: VX048791.D

Acq: 09 Dec 2025 17:31

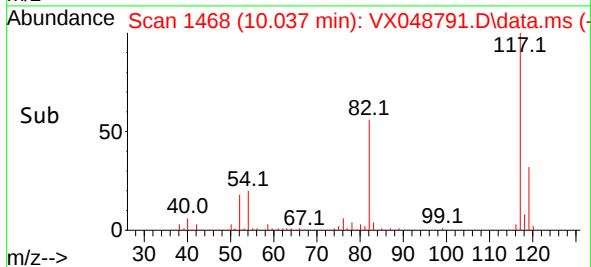
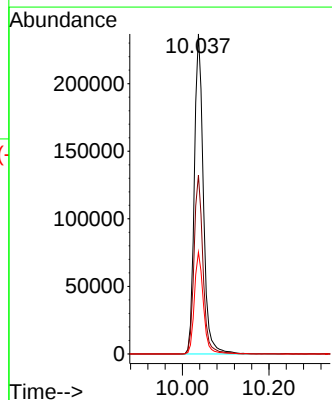
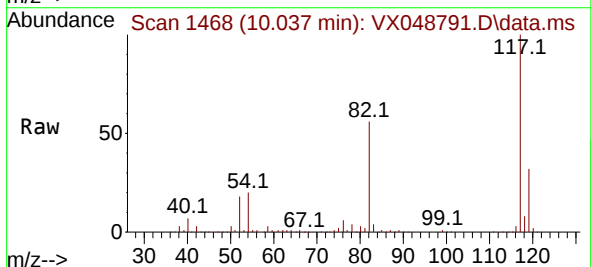
Tgt Ion: 117 Resp: 342650

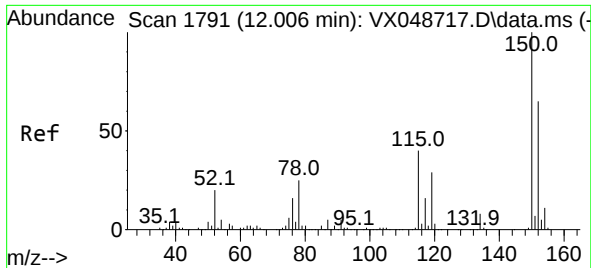
Ion Ratio Lower Upper

117 100

82 55.9 44.1 66.1

119 31.8 25.2 37.8

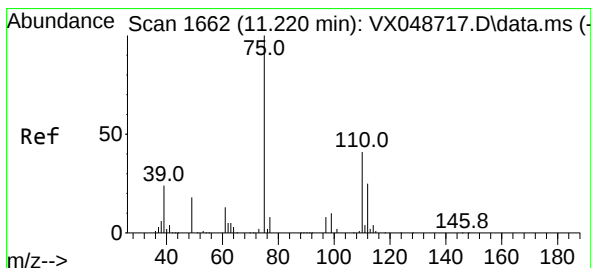
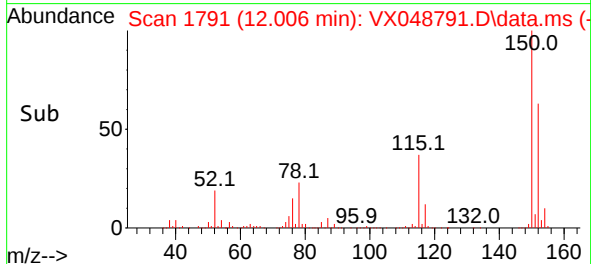
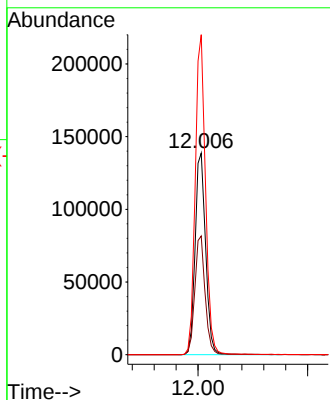
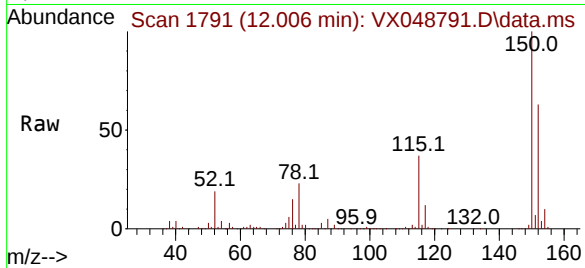




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048791.D
 Acq: 09 Dec 2025 17:31

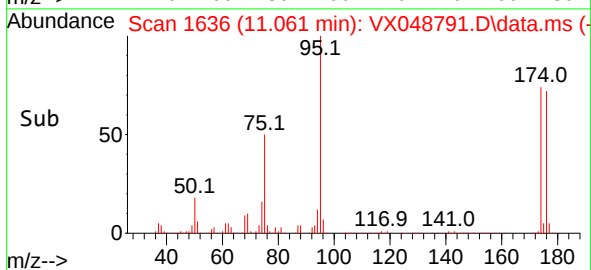
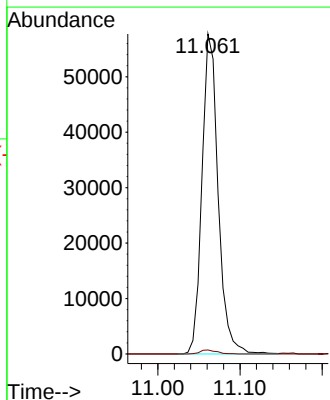
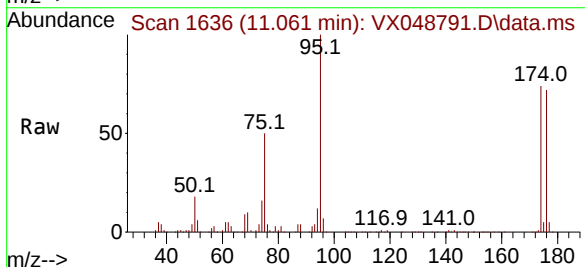
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

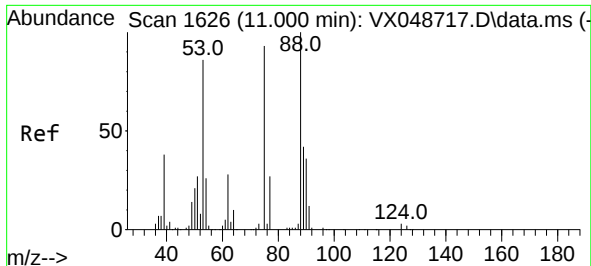
Tgt Ion:152 Resp: 185562
 Ion Ratio Lower Upper
 152 100
 115 58.1 42.1 126.4
 150 155.1 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 22.818 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048791.D
 Acq: 09 Dec 2025 17:31

Tgt Ion: 75 Resp: 78864
 Ion Ratio Lower Upper
 75 100
 77 1.3 24.3 73.0#

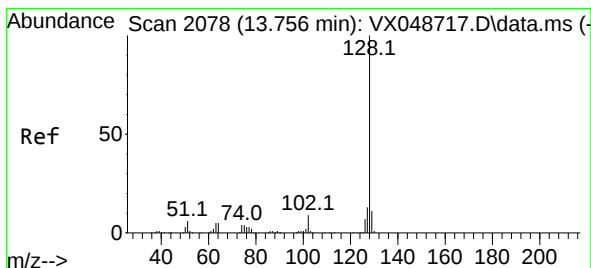
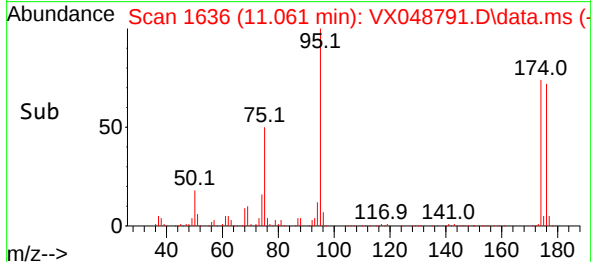
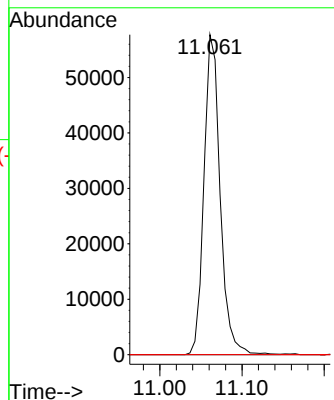
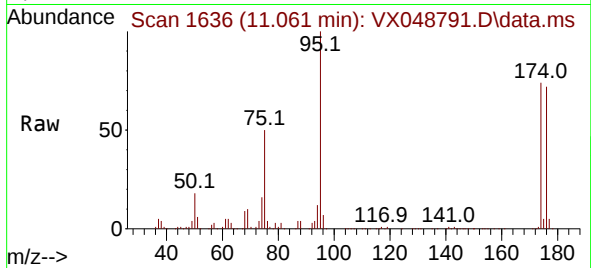




#81
trans-1,4-Dichloro-2-butene
Concen: 54.203 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048791.D
Acq: 09 Dec 2025 17:31

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 78864
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: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048791.D
Acq: 09 Dec 2025 17:31

Tgt Ion:128 Resp: 4027
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 8.6 8.6 13.0#

