

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
 Data File : VX048735.D
 Acq On : 05 Dec 2025 14:54
 Operator : JC/MD
 Sample : Q3757-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-05B-72-120325

Quant Time: Dec 05 22:05:28 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	5.544	168	129477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	275147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103213	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102254	58.840	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 117.680%#	
35) Dibromofluoromethane	5.373	113	75188	39.688	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 79.380%	
50) Toluene-d8	8.635	98	253556	38.182	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 76.360%#	
62) 4-Bromofluorobenzene	11.061	95	103159	45.048	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.100%	

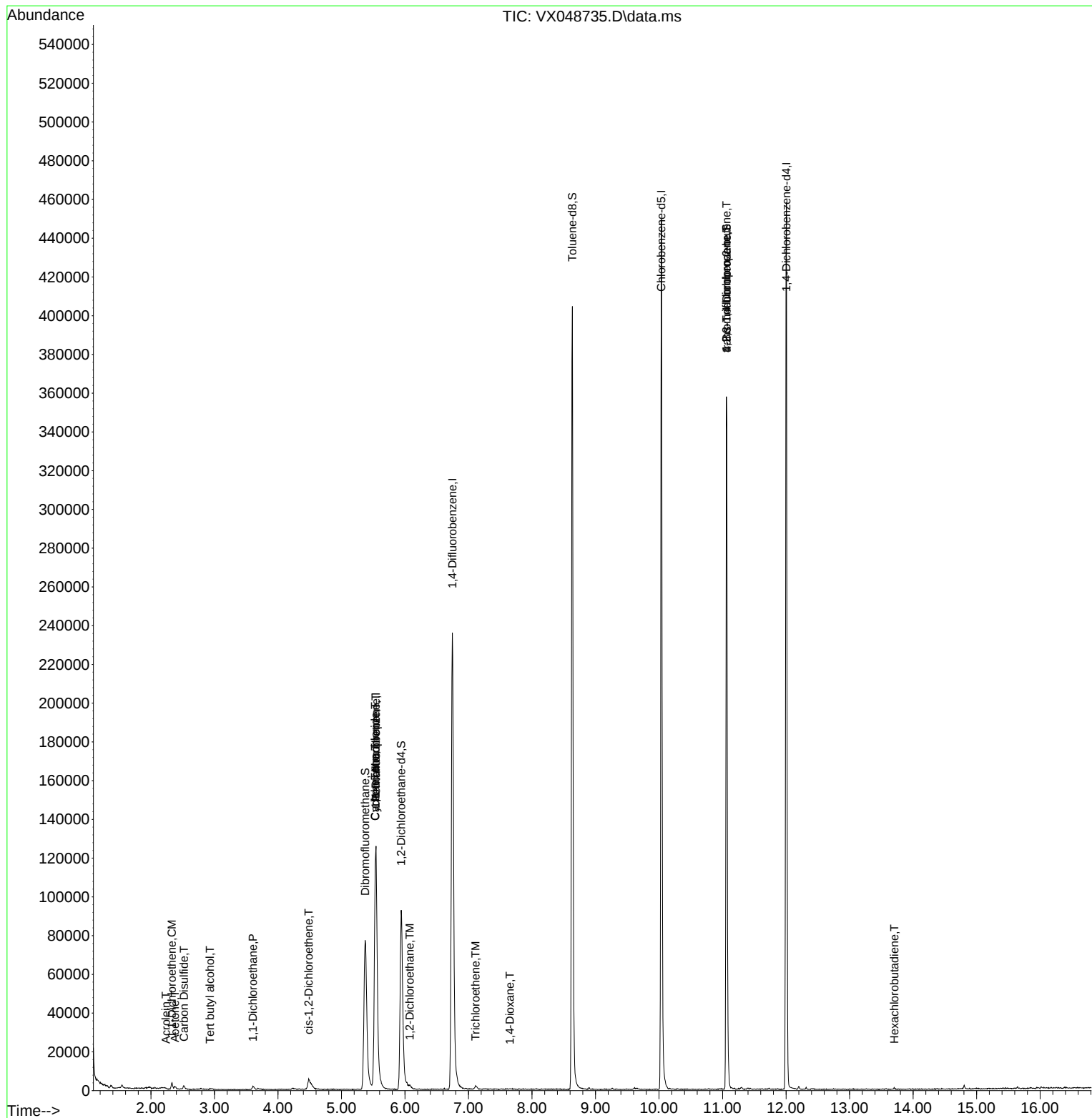
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.928	59	63	0.225	ug/l #	73
12) 1,1-Dichloroethene	2.331	96	1284	0.854	ug/l #	81
13) Acrolein	2.233	56	19	40.236	ug/l #	1
16) Acetone	2.380	43	2234	3.358	ug/l	91
17) Carbon Disulfide	2.520	76	900	0.206	ug/l #	74
24) 1,1-Dichloroethane	3.605	63	2312	0.879	ug/l #	86
27) cis-1,2-Dichloroethene	4.483	96	3749	2.165	ug/l	92
31) Cyclohexane	5.531	56	2983	1.270	ug/l #	43
36) 1,1-Dichloropropene	5.538	75	10793	4.159	ug/l #	47
38) Carbon Tetrachloride	5.531	117	13329	4.535	ug/l #	14
42) 1,2-Dichloroethane	6.074	62	1735	0.637	ug/l #	73
44) Trichloroethene	7.110	130	883	0.440	ug/l	86
49) 1,4-Dioxane	7.653	88	72	2.217	ug/l #	39
76) 1,2,3-Trichloropropane	11.061	75	52295	27.203	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	52295	64.619	ug/l #	3
94) Hexachlorobutadiene	13.707	225	288	0.318	ug/l #	58
95) Naphthalene	13.762	128	222	Below Cal	#	69

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

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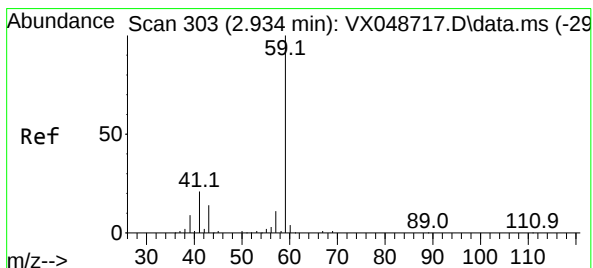
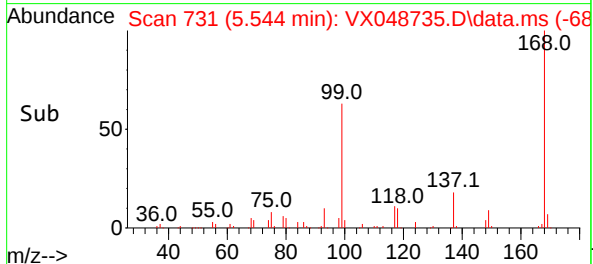
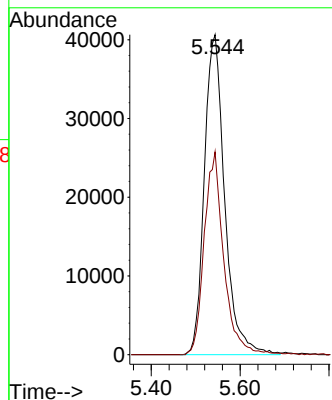
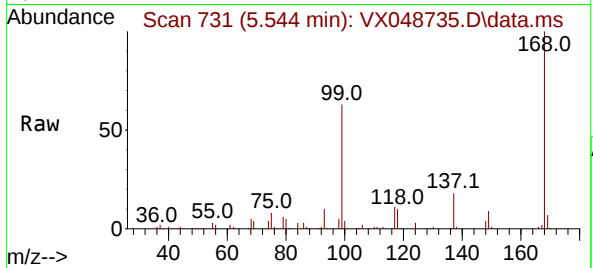




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

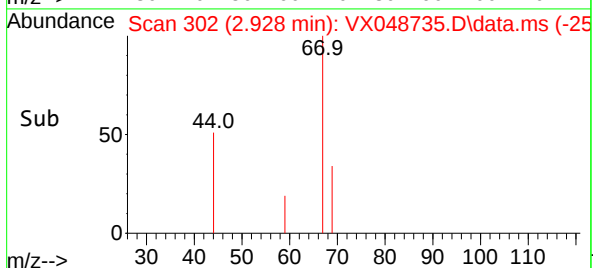
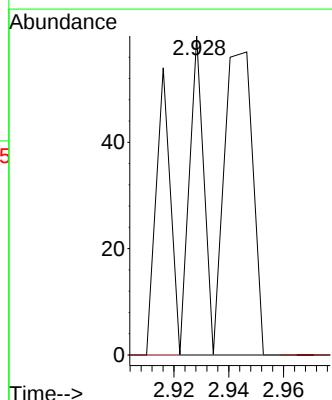
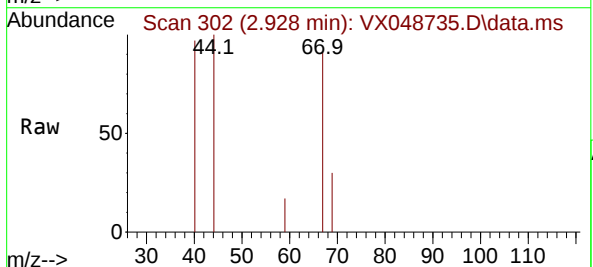
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

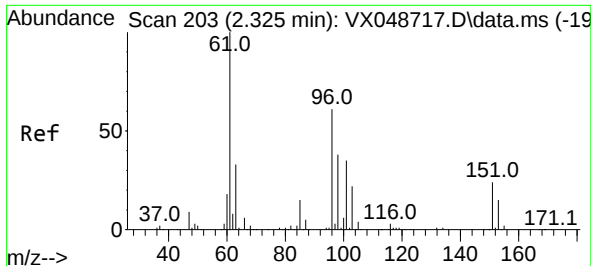
Tgt Ion:168 Resp: 129477
Ion Ratio Lower Upper
168 100
99 63.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.225 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.854 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325

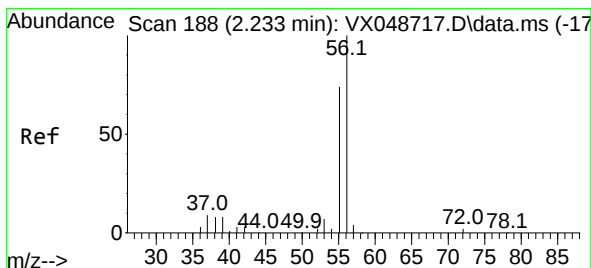
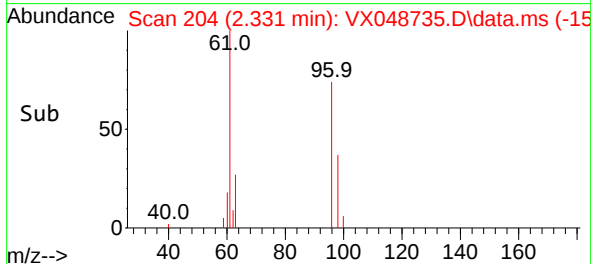
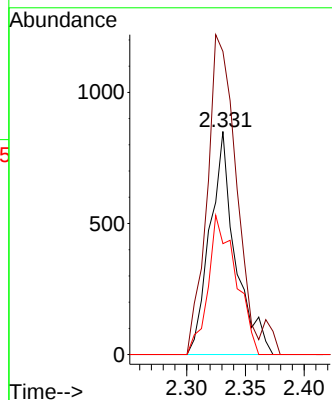
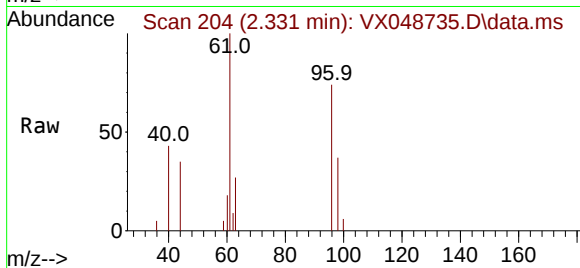
Tgt Ion: 96 Resp: 1284

Ion Ratio Lower Upper

96 100

61 135.8 130.7 196.1

98 49.7 49.8 74.8#



#13

Acrolein

Concen: 40.236 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX048735.D

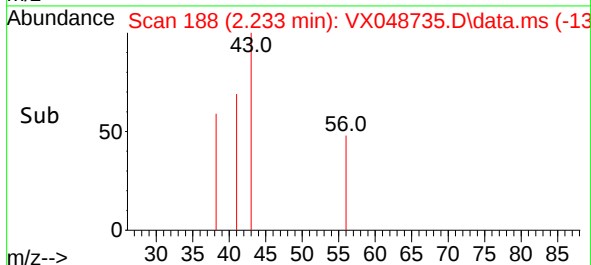
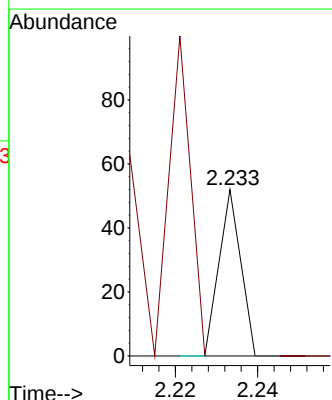
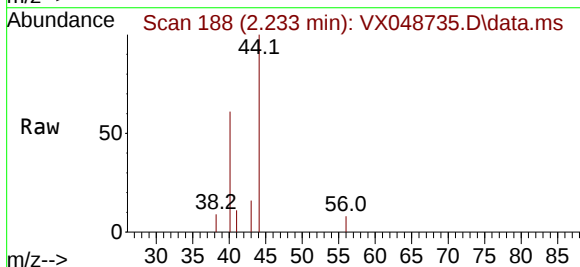
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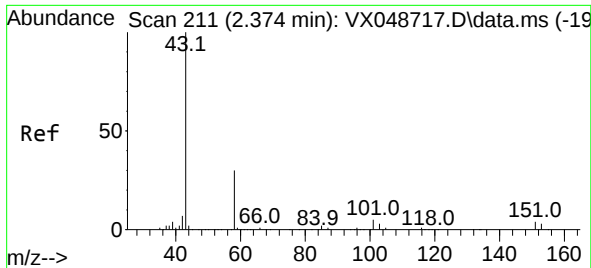
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 315.8 55.8 83.6#

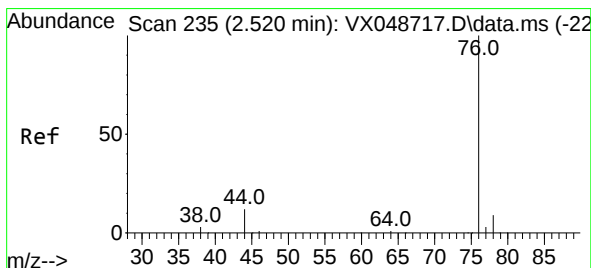
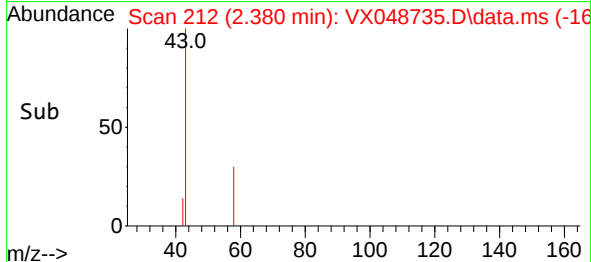
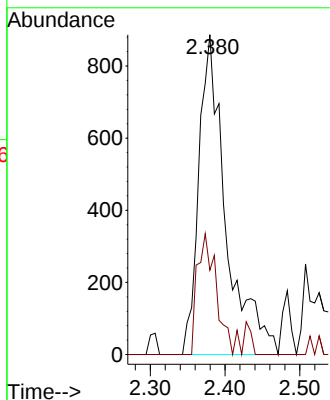
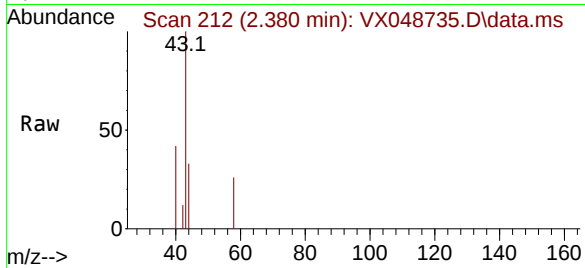




#16
Acetone
Concen: 3.358 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

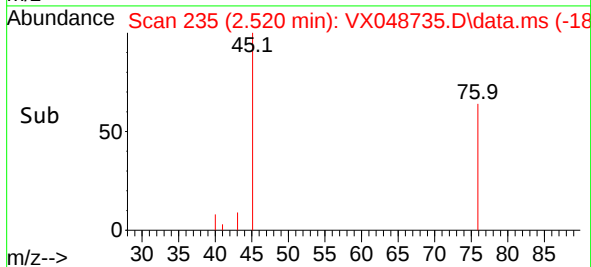
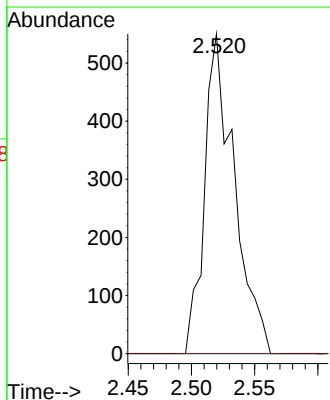
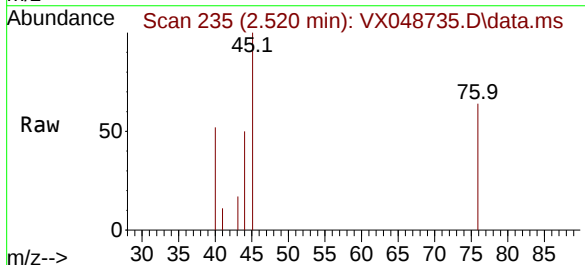
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

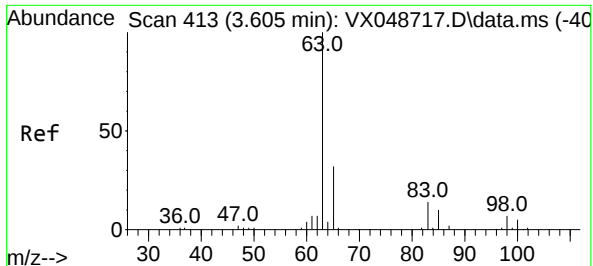
Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
58 26.4 25.0 37.4



#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion: 76 Resp: 900
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

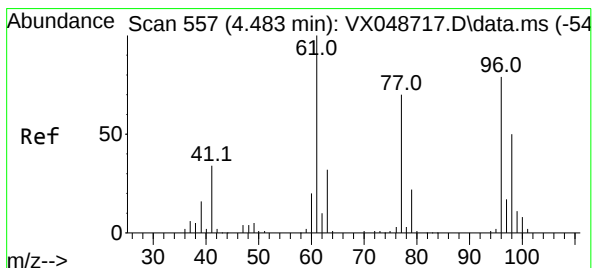
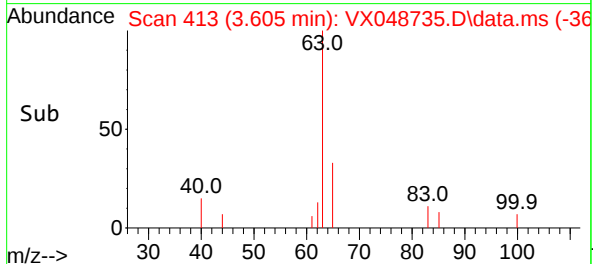
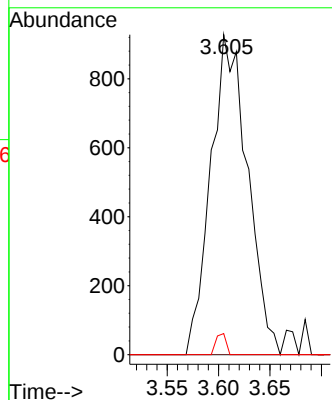
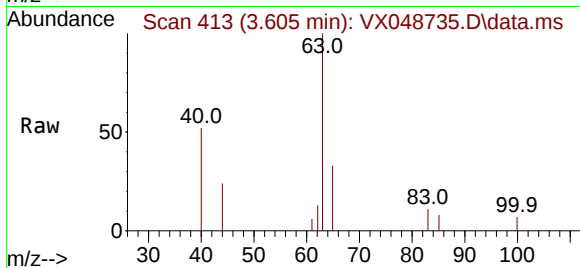




#24
 1,1-Dichloroethane
 Concen: 0.879 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX048735.D
 Acq: 05 Dec 2025 14:54

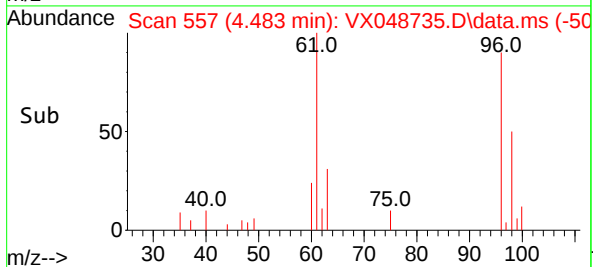
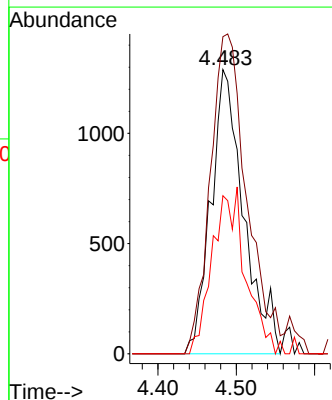
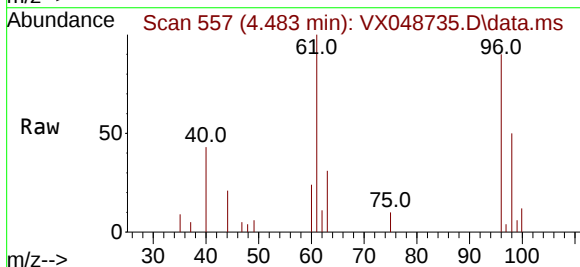
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-05B-72-120325

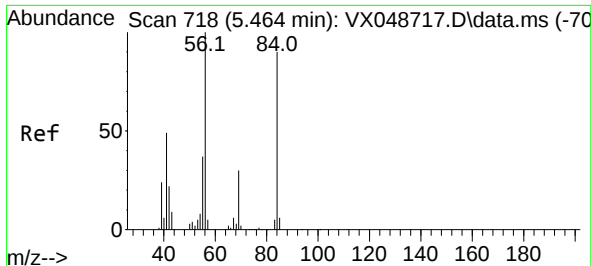
Tgt Ion: 63 Resp: 2312
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.6#
 100 6.6 2.5 7.4



#27
 cis-1,2-Dichloroethene
 Concen: 2.165 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX048735.D
 Acq: 05 Dec 2025 14:54

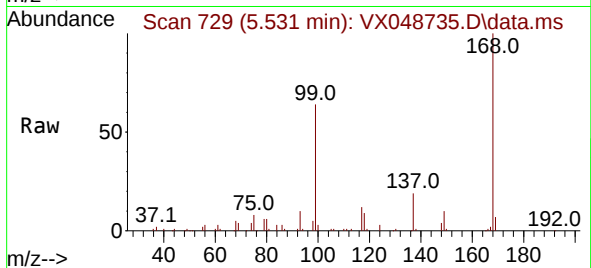
Tgt Ion: 96 Resp: 3749
 Ion Ratio Lower Upper
 96 100
 61 126.3 0.0 271.0
 98 59.3 0.0 130.2



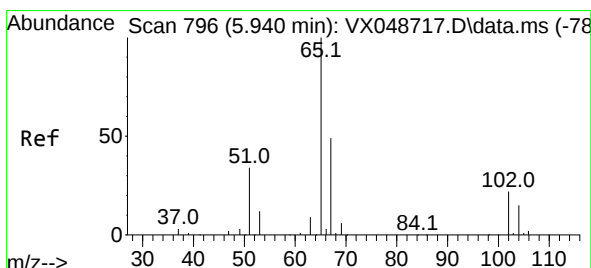
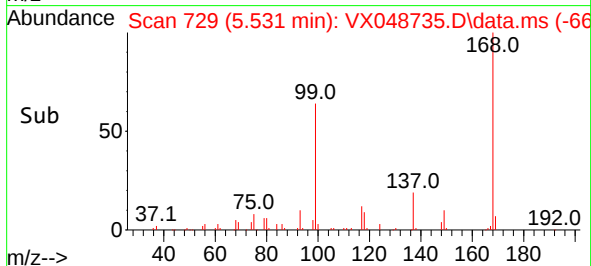
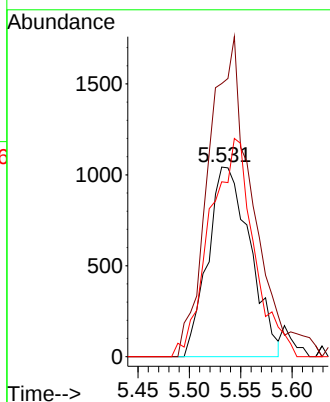


#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

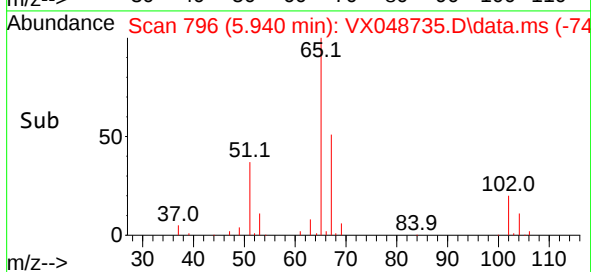
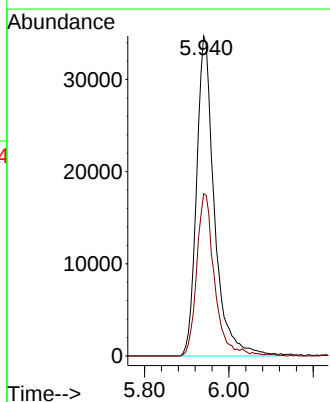
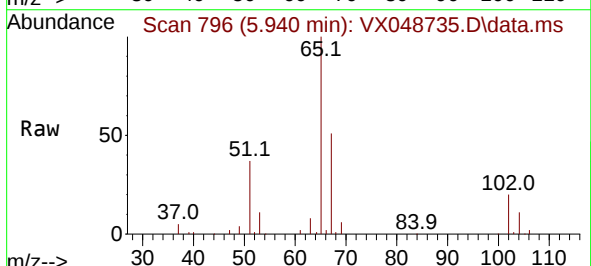


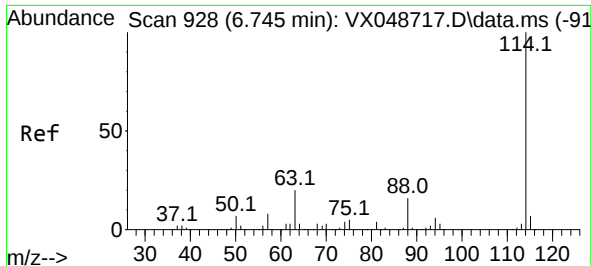
Tgt Ion: 56 Resp: 2983
Ion Ratio Lower Upper
56 100
69 144.0 24.2 36.2#
84 85.1 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 58.840 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion: 65 Resp: 102254
Ion Ratio Lower Upper
65 100
67 50.2 0.0 107.4

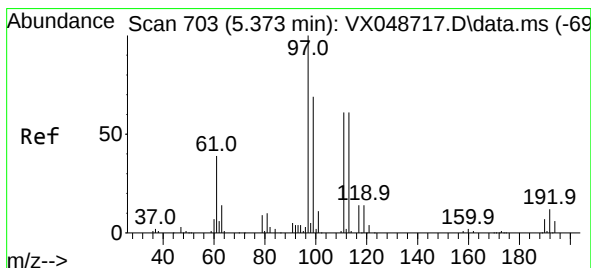
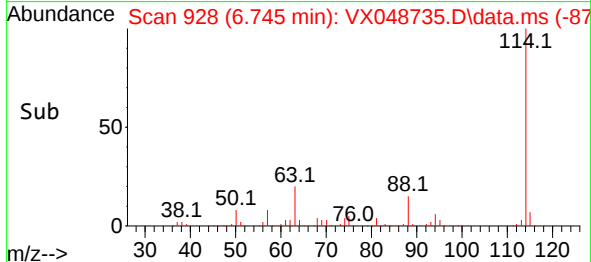
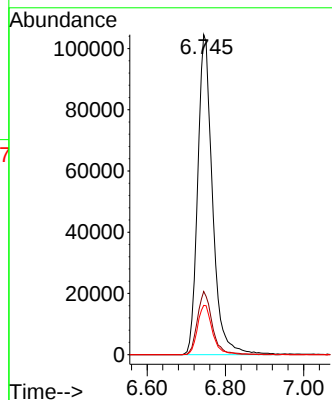
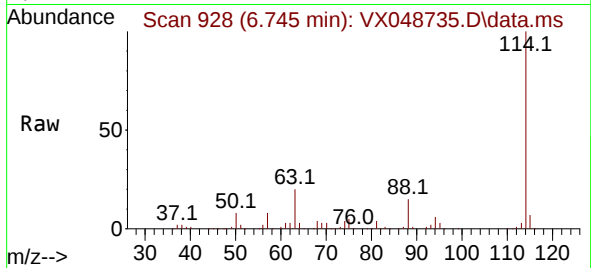




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

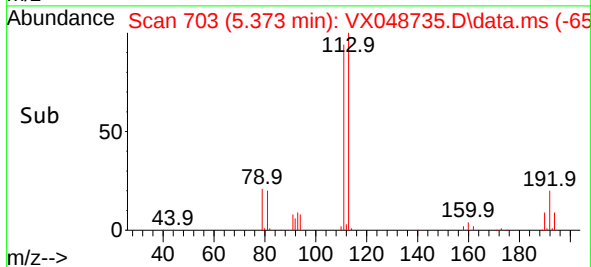
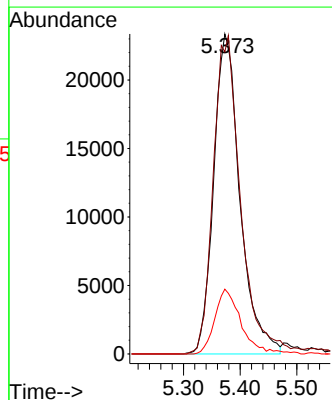
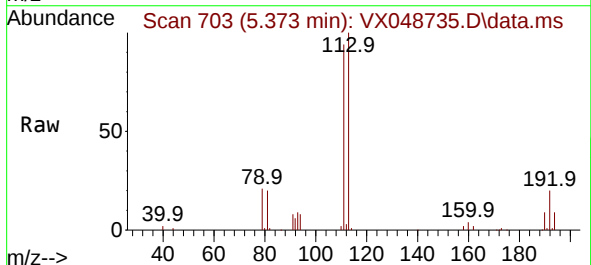
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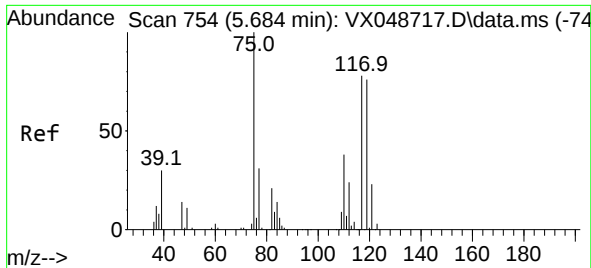
Tgt Ion:114 Resp: 275147
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.0
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 39.688 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion:113 Resp: 75188
Ion Ratio Lower Upper
113 100
111 103.3 79.5 119.3
192 20.3 16.1 24.1

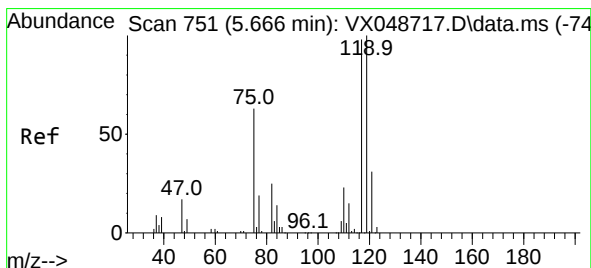
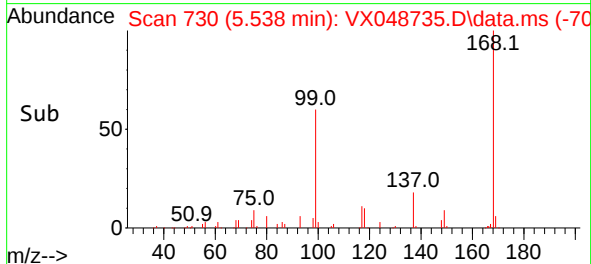
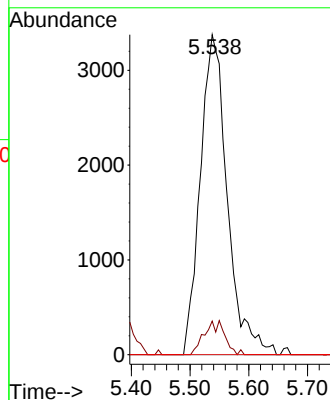
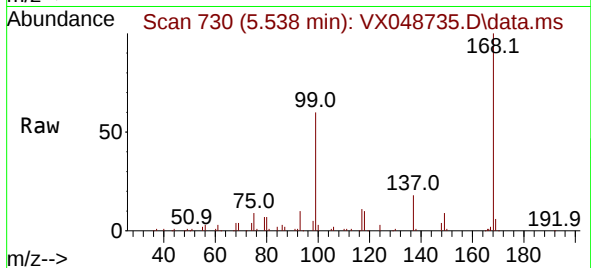




#36
1,1-Dichloropropene
Concen: 4.159 ug/l
RT: 5.538 min Scan# 719
Delta R.T. -0.146 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

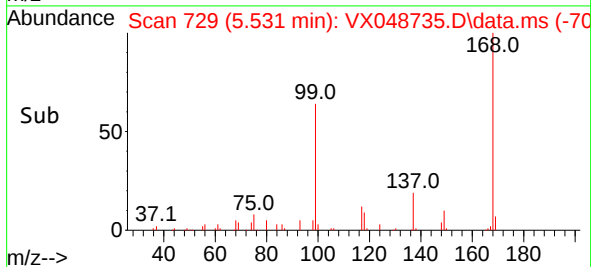
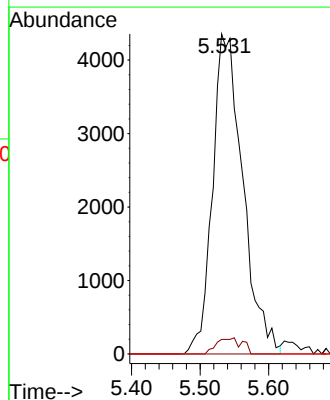
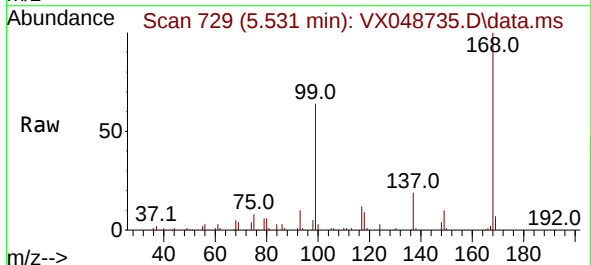
Instrument :
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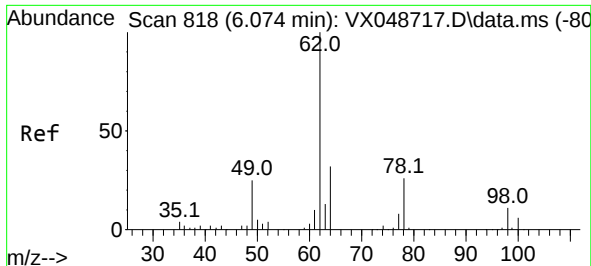
Tgt Ion: 75 Resp: 10793
Ion Ratio Lower Upper
75 100
110 8.1 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.535 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion: 117 Resp: 13329
Ion Ratio Lower Upper
117 100
119 4.5 80.5 120.7#
121 0.0 25.4 38.0#





#42

1,2-Dichloroethane

Concen: 0.637 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

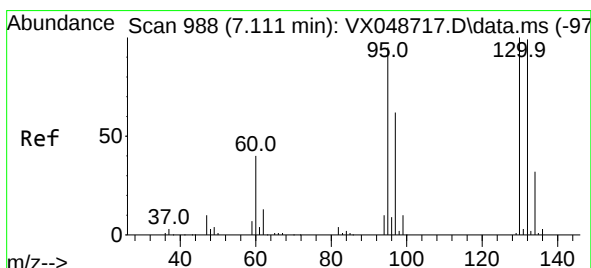
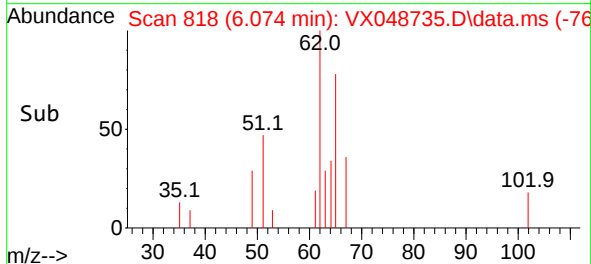
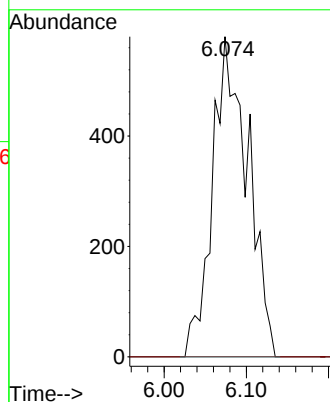
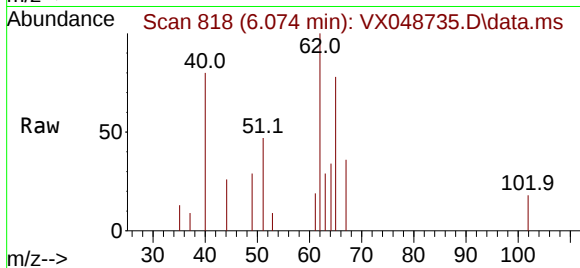
OW-05B-72-120325

Tgt Ion: 62 Resp: 1735

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 0.440 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048735.D

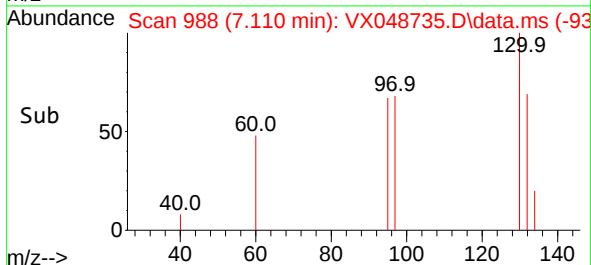
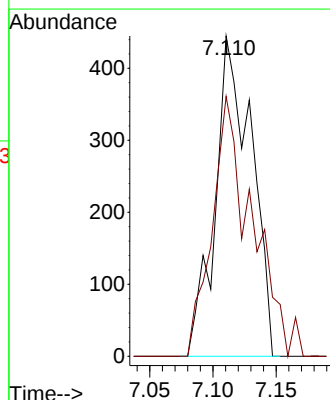
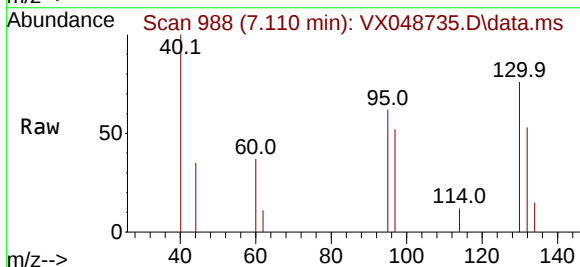
Acq: 05 Dec 2025 14:54

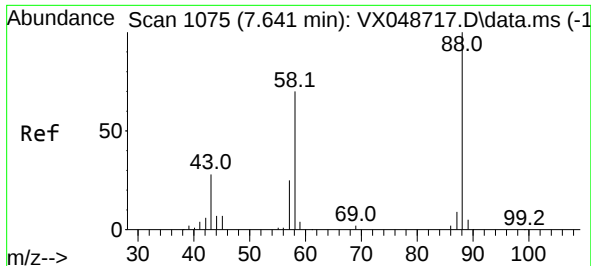
Tgt Ion: 130 Resp: 883

Ion Ratio Lower Upper

130 100

95 81.1 0.0 189.6





#49

1,4-Dioxane

Concen: 2.217 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.012 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

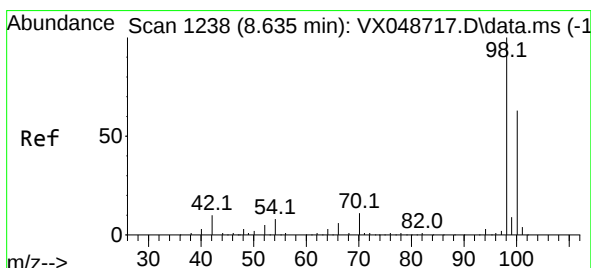
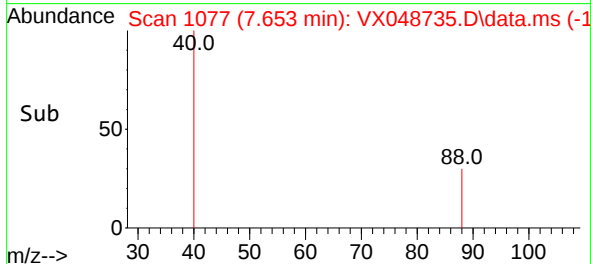
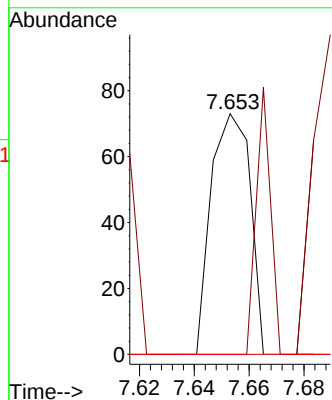
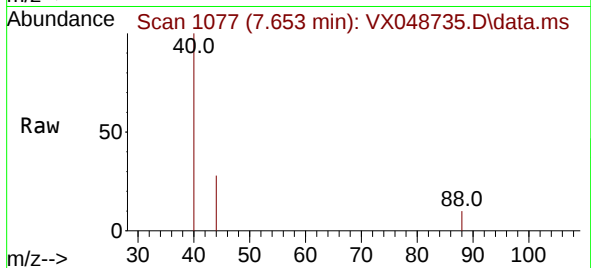
Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325

Tgt Ion:	88	Resp:	72
Ion	Ratio	Lower	Upper
88	100		
43	41.7	28.6	43.0
58	0.0	58.0	87.0#



#50

Toluene-d8

Concen: 38.182 ug/l

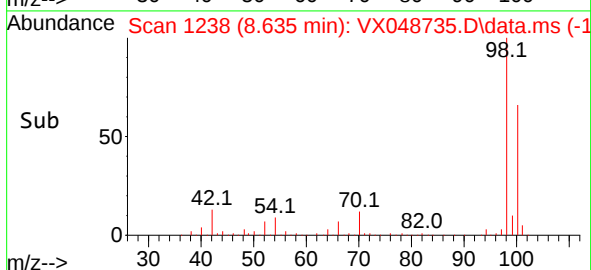
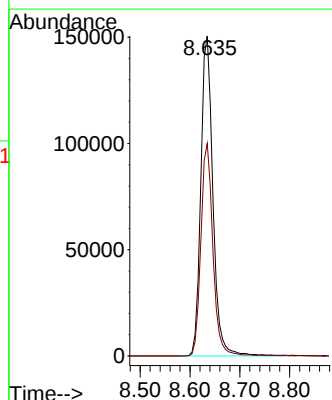
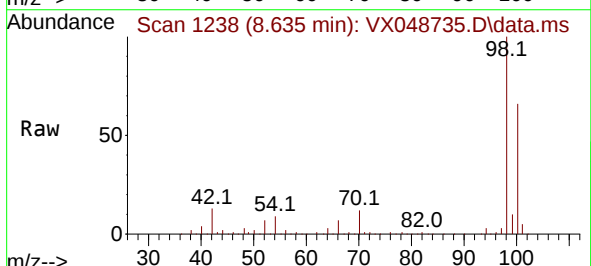
RT: 8.635 min Scan# 1238

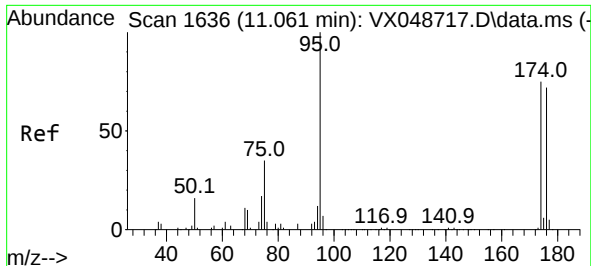
Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Tgt Ion:	98	Resp:	253556
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.0





#62

4-Bromofluorobenzene

Concen: 45.048 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325

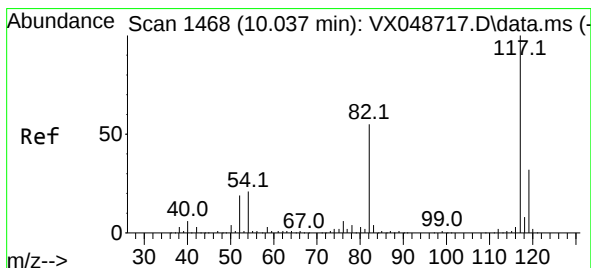
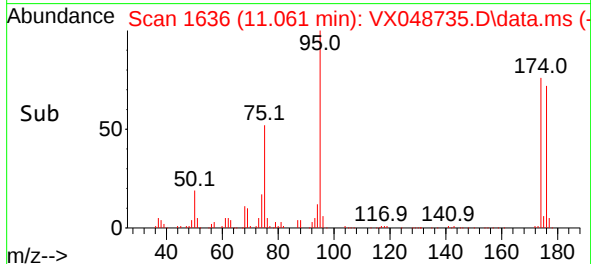
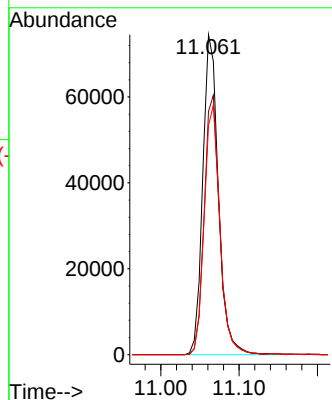
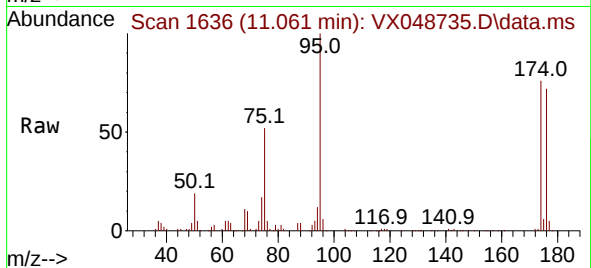
Tgt Ion: 95 Resp: 103159

Ion Ratio Lower Upper

95 100

174 80.5 0.0 157.8

176 78.5 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: VX048735.D

Acq: 05 Dec 2025 14:54

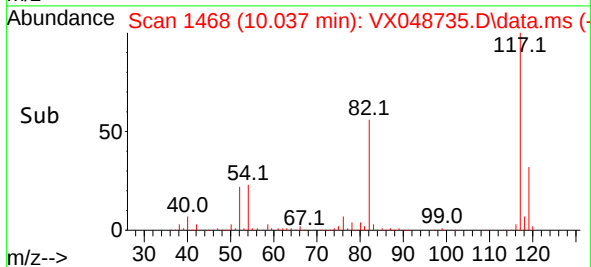
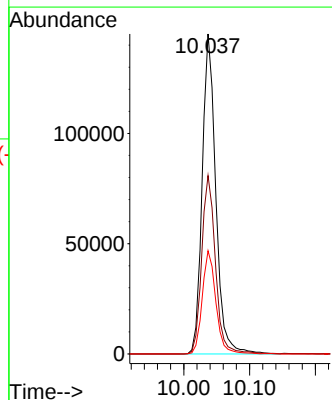
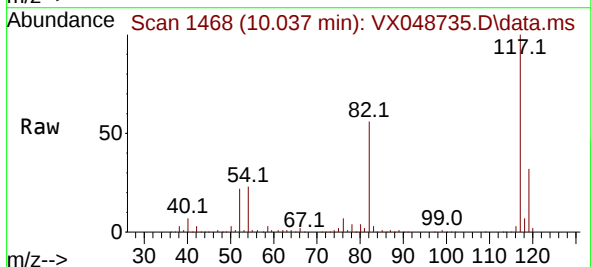
Tgt Ion: 117 Resp: 208806

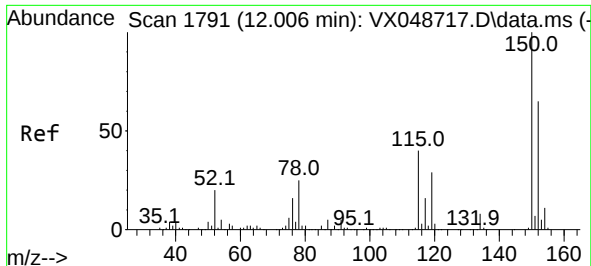
Ion Ratio Lower Upper

117 100

82 55.8 44.1 66.1

119 32.3 25.2 37.8

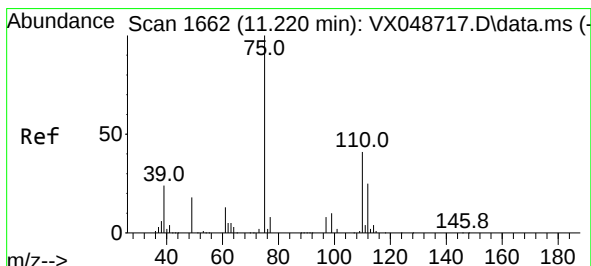
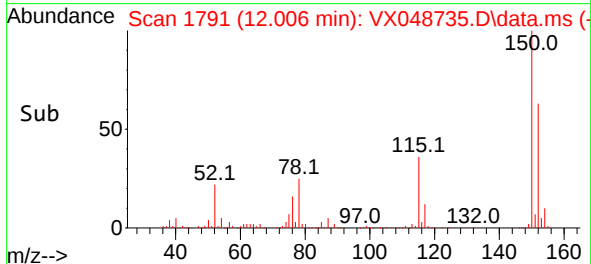
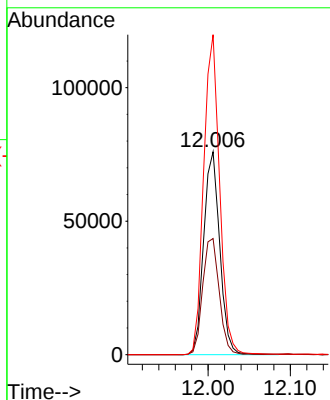
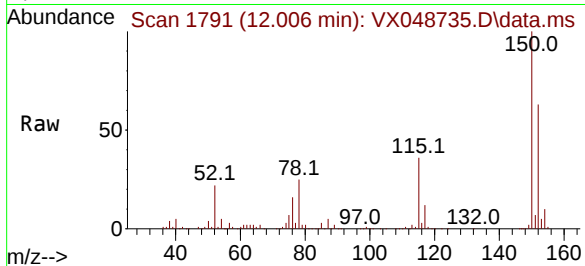




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048735.D
 Acq: 05 Dec 2025 14:54

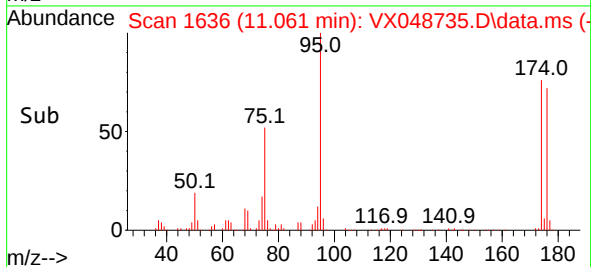
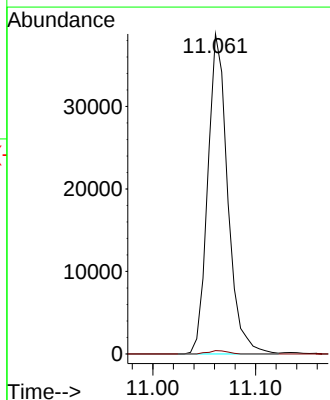
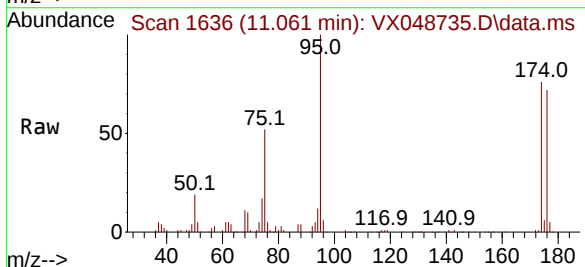
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-05B-72-120325

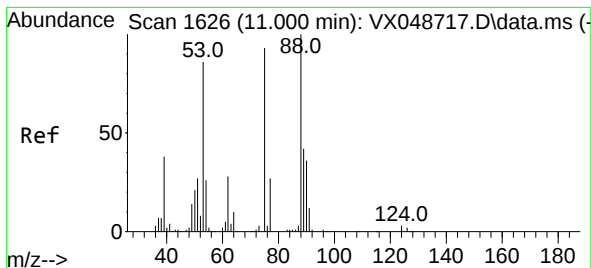
Tgt Ion:152 Resp: 103213
 Ion Ratio Lower Upper
 152 100
 115 59.1 42.1 126.4
 150 156.2 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 27.203 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048735.D
 Acq: 05 Dec 2025 14:54

Tgt Ion: 75 Resp: 52295
 Ion Ratio Lower Upper
 75 100
 77 1.0 24.3 73.0#

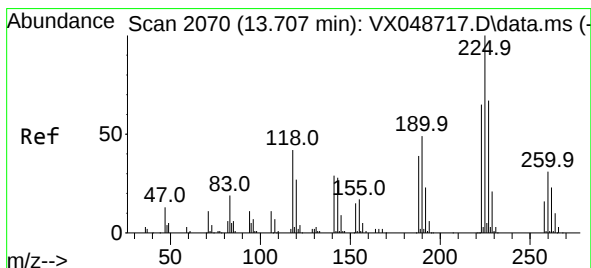
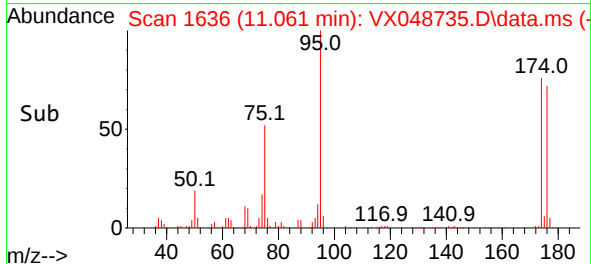
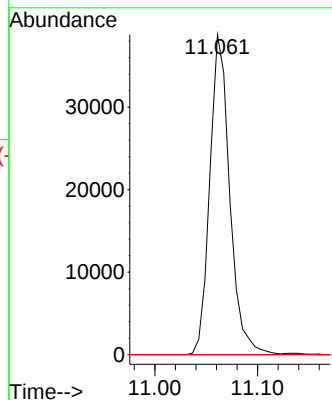
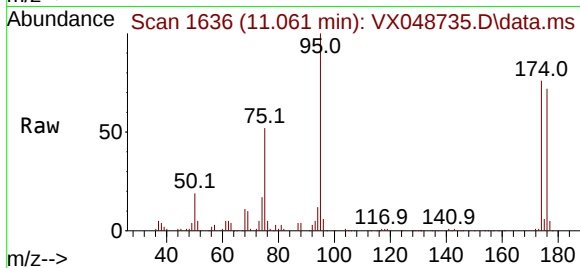




#81
trans-1,4-Dichloro-2-butene
Concen: 64.619 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

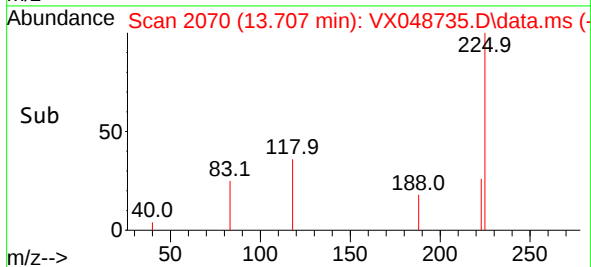
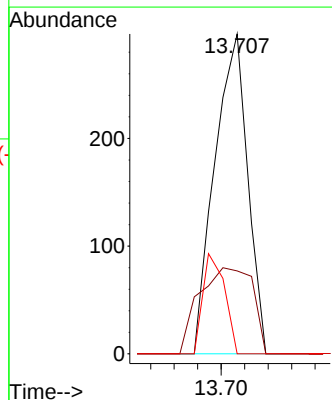
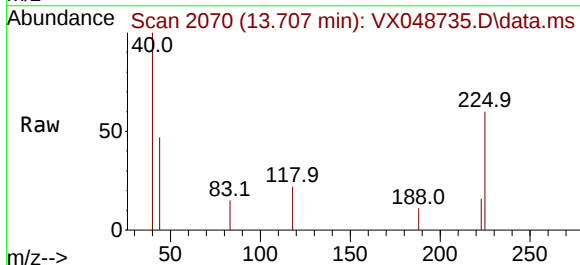
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

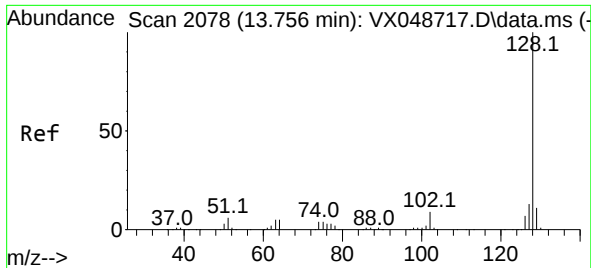
Tgt Ion: 75 Resp: 52295
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#94
Hexachlorobutadiene
Concen: 0.318 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

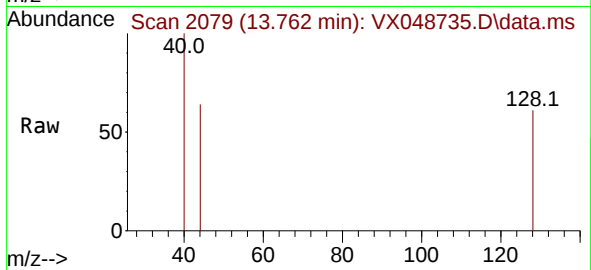
Tgt Ion: 225 Resp: 288
Ion Ratio Lower Upper
225 100
223 43.8 33.0 98.9
227 20.8 32.9 98.7#





#95
Naphthalene
Concen: Below Cal
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325



Tgt Ion:128 Resp: 222
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

