

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048751.D
 Acq On : 08 Dec 2025 13:55
 Operator : JC/MD
 Sample : Q3787-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15B-42.5-120425MSD

Quant Time: Dec 09 04:10:11 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	5.550	168	129588	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.744	114	275109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	225069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122026	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108707	62.500	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 125.000%#	
35) Dibromofluoromethane	5.373	113	81466	43.007	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 86.020%	
50) Toluene-d8	8.634	98	232471	35.011	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 70.020%#	
62) 4-Bromofluorobenzene	11.061	95	98901	43.195	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 86.400%	

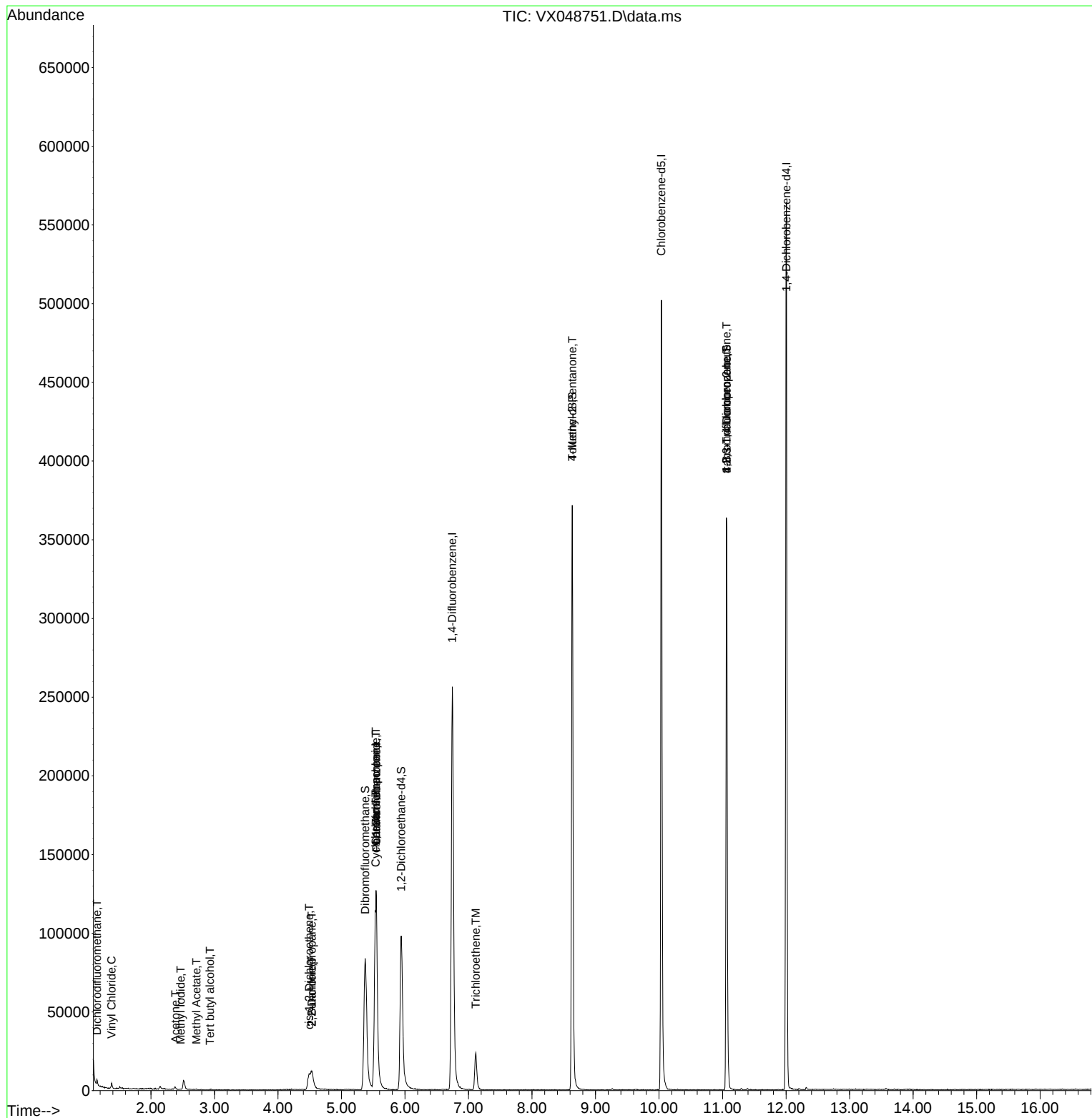
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.148	85	311	0.236	ug/l	88
4) Vinyl Chloride	1.380	62	1883	1.061	ug/l #	88
10) Methyl Iodide	2.465	142	461	0.220	ug/l #	71
11) Tert butyl alcohol	2.928	59	144	0.513	ug/l #	73
16) Acetone	2.385	43	2267	3.405	ug/l #	65
18) Methyl Acetate	2.715	43	672	0.359	ug/l #	67
25) 2-Butanone	4.531	43	505	0.514	ug/l #	46
26) 2,2-Dichloropropane	4.531	77	956	0.410	ug/l #	52
27) cis-1,2-Dichloroethene	4.489	96	6428	3.709	ug/l	97
31) Cyclohexane	5.537	56	3048	1.297	ug/l #	25
36) 1,1-Dichloropropene	5.543	75	11390	4.390	ug/l #	49
38) Carbon Tetrachloride	5.543	117	13875	4.721	ug/l #	12
44) Trichloroethene	7.116	130	9889	4.928	ug/l	97
51) 4-Methyl-2-Pentanone	8.634	43	1257	0.431	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	53715	23.634	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	53715	56.140	ug/l #	3
95) Naphthalene	13.761	128	191	Below Cal	#	69

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

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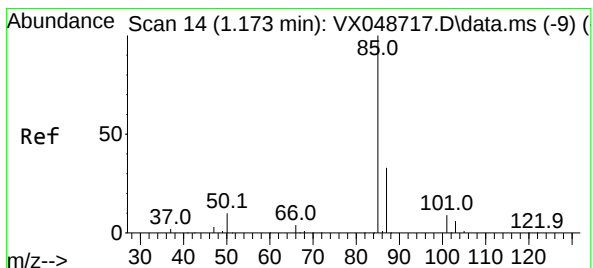
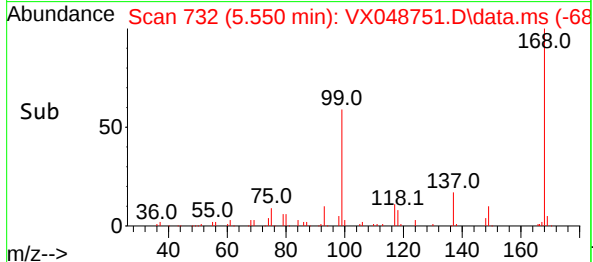
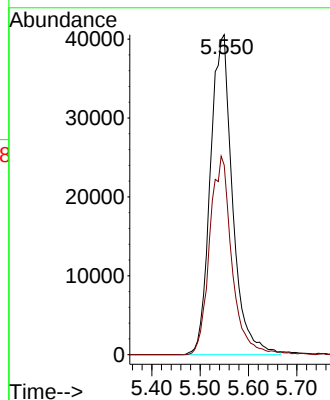
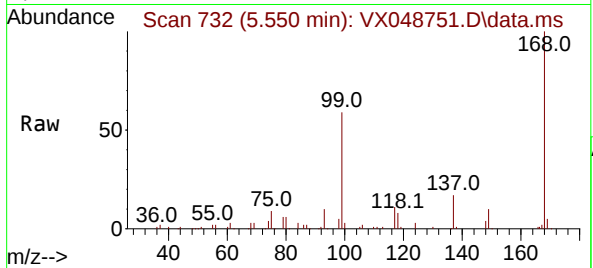




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

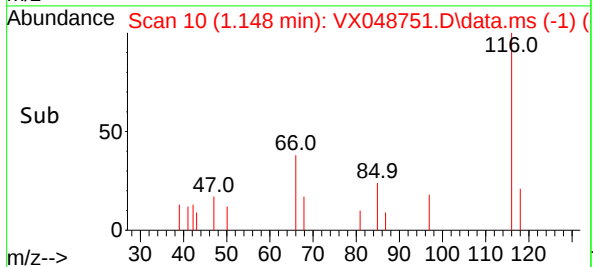
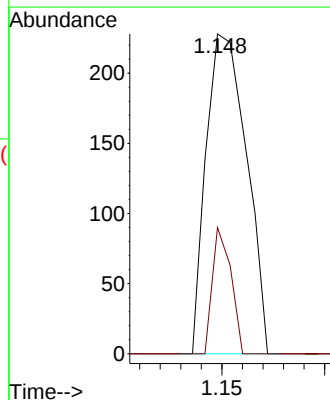
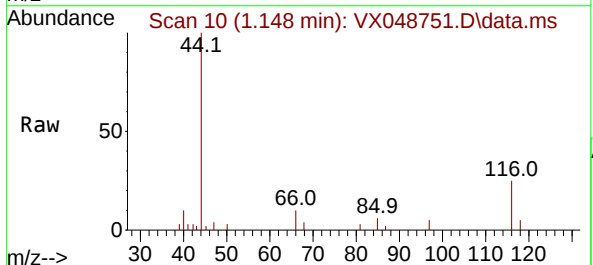
Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425MSD

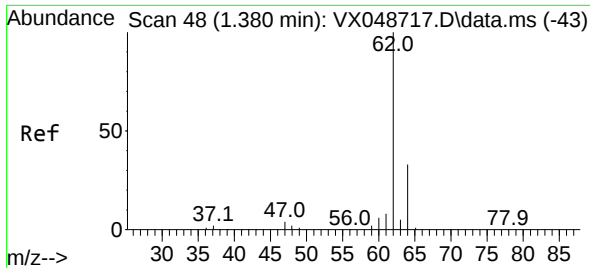
Tgt Ion:168 Resp: 129588
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 0.236 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.025 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion: 85 Resp: 311
Ion Ratio Lower Upper
85 100
87 39.5 16.4 49.1

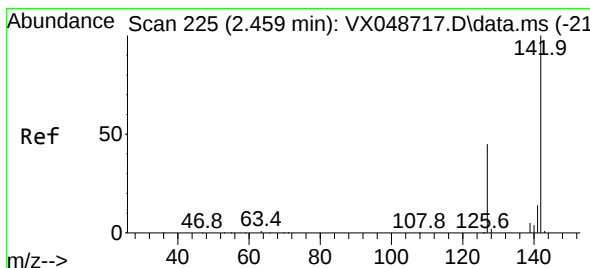
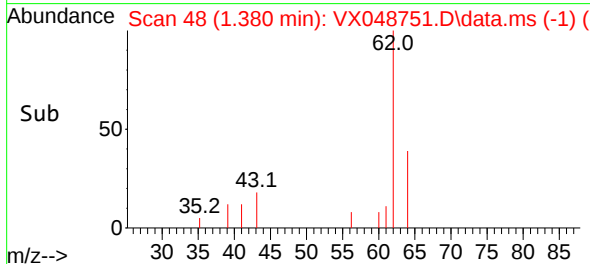
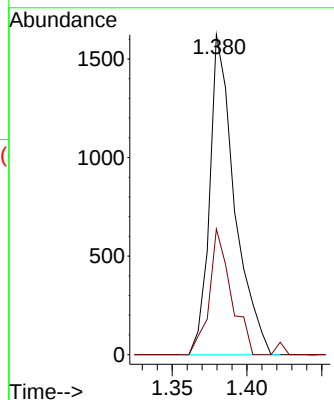
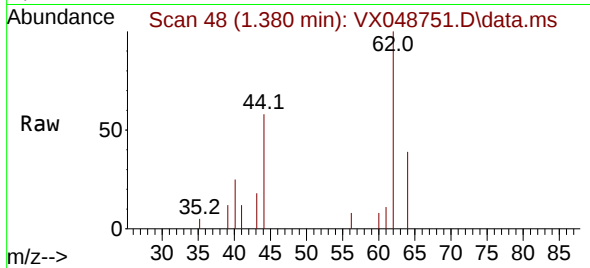




#4
 Vinyl Chloride
 Concen: 1.061 ug/l
 RT: 1.380 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX048751.D
 Acq: 08 Dec 2025 13:55

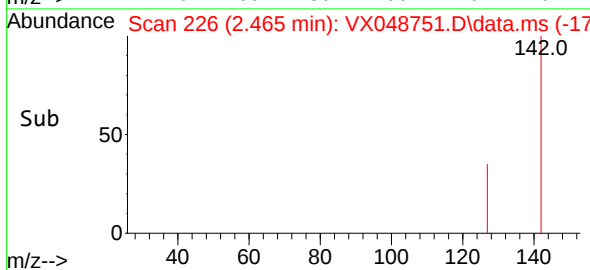
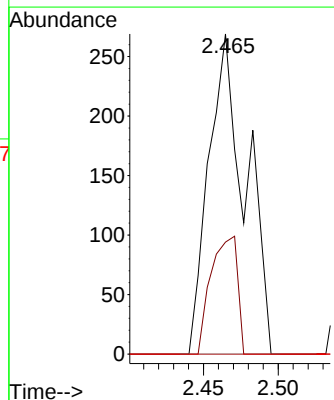
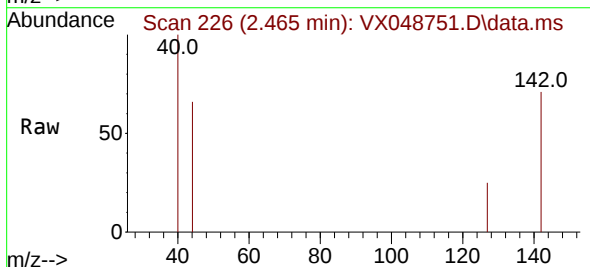
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15B-42.5-120425MSD

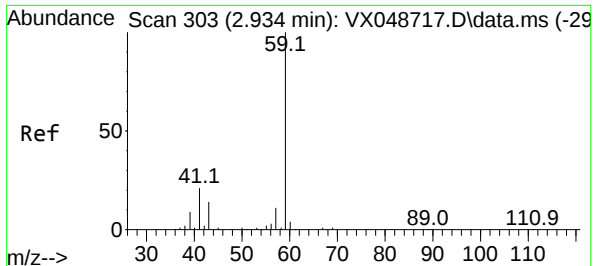
Tgt Ion: 62 Resp: 1883
 Ion Ratio Lower Upper
 62 100
 64 39.3 26.0 39.0#



#10
 Methyl Iodide
 Concen: 0.220 ug/l
 RT: 2.465 min Scan# 226
 Delta R.T. 0.006 min
 Lab File: VX048751.D
 Acq: 08 Dec 2025 13:55

Tgt Ion: 142 Resp: 461
 Ion Ratio Lower Upper
 142 100
 127 26.5 35.8 53.6#
 141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 0.513 ug/l

RT: 2.928 min Scan# 303

Delta R.T. -0.006 min

Lab File: VX048751.D

Acq: 08 Dec 2025 13:55

Instrument :

MSVOA_X

ClientSampleId :

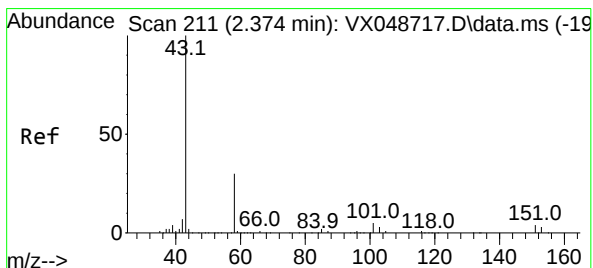
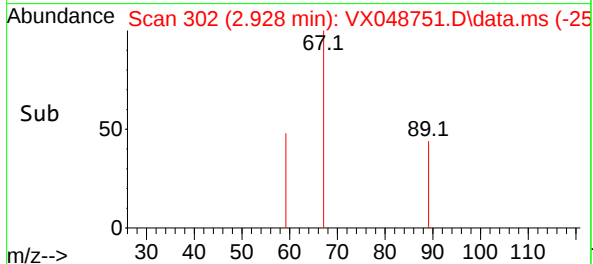
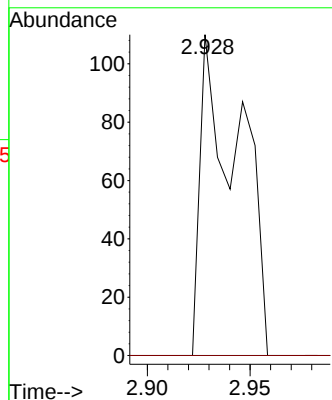
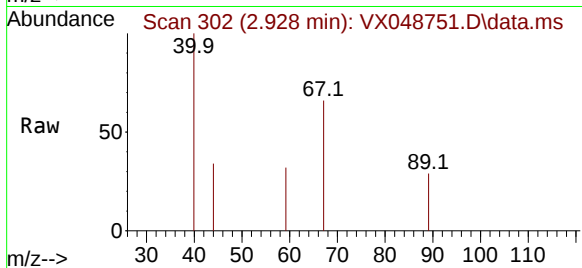
MW-15B-42.5-120425MSD

Tgt Ion: 59 Resp: 144

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 3.405 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.012 min

Lab File: VX048751.D

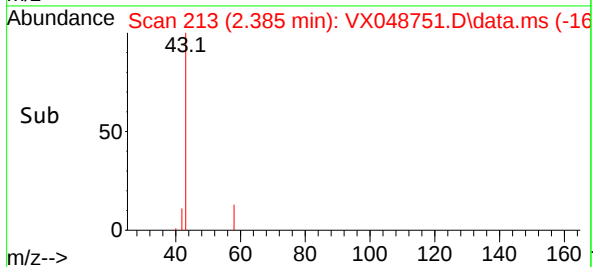
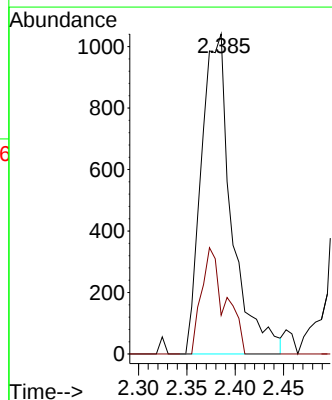
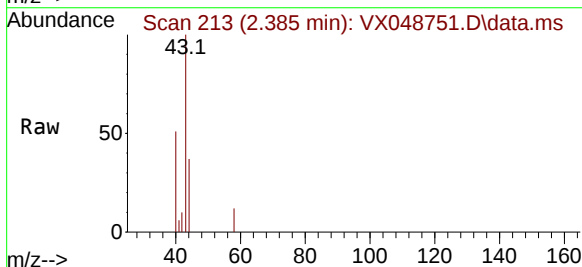
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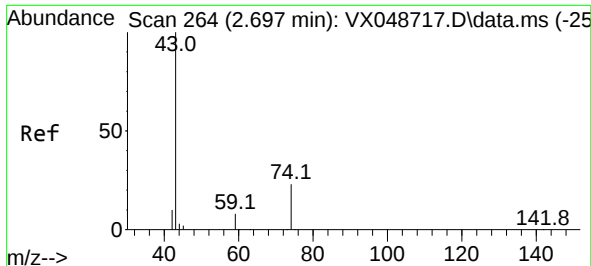
Tgt Ion: 43 Resp: 2267

Ion Ratio Lower Upper

43 100

58 12.1 25.0 37.4#

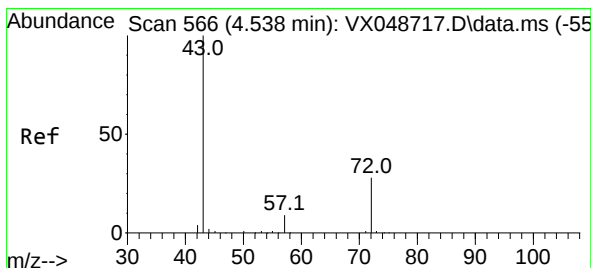
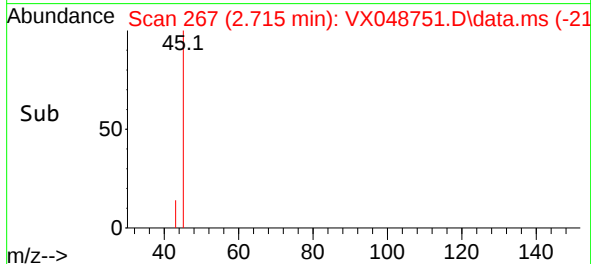
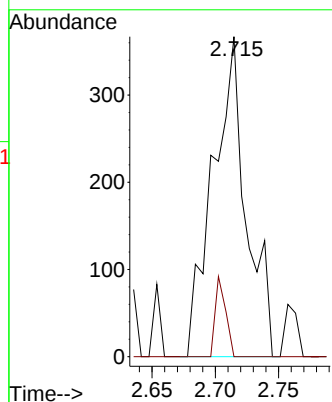
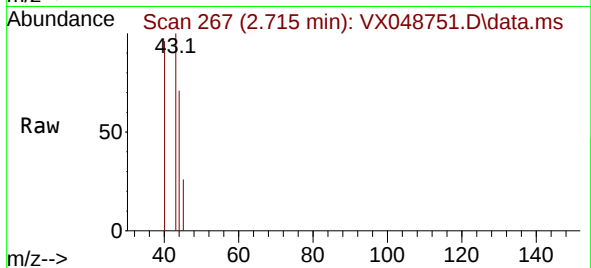




#18
Methyl Acetate
Concen: 0.359 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.018 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

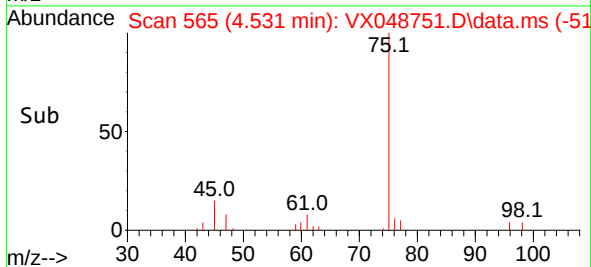
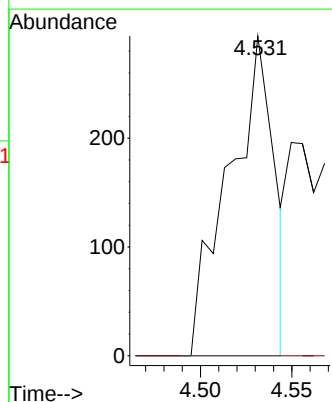
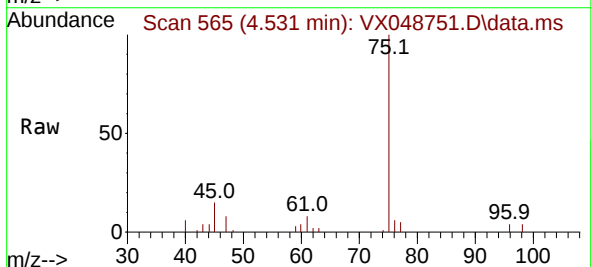
Instrument :
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ClientSampleId :
MW-15B-42.5-120425MSD

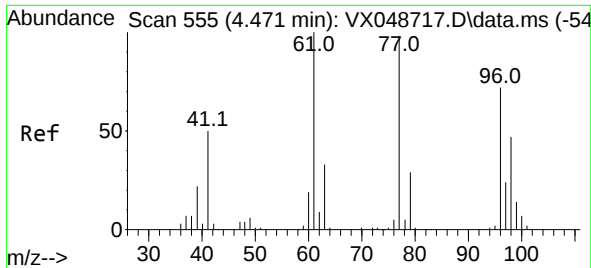
Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
74 7.7 19.2 28.8#



#25
2-Butanone
Concen: 0.514 ug/l
RT: 4.531 min Scan# 565
Delta R.T. -0.006 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#

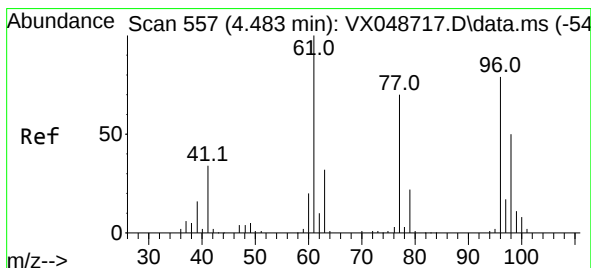
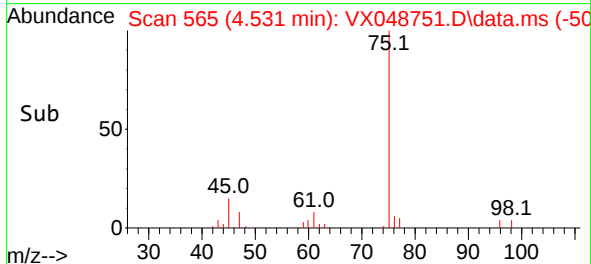
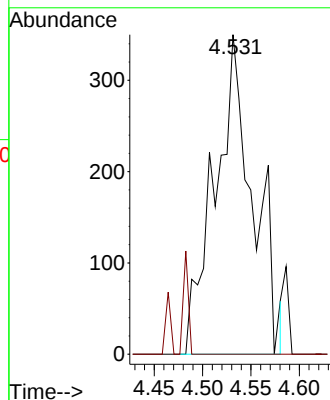
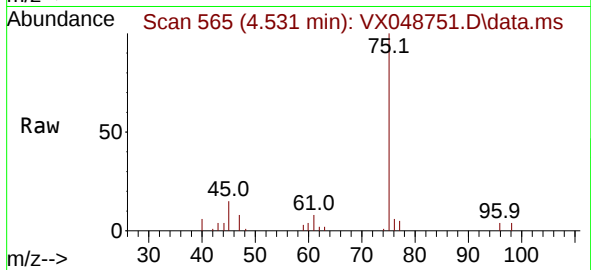




#26
2,2-Dichloropropane
Concen: 0.410 ug/l
RT: 4.531 min Scan# 555
Delta R.T. 0.061 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

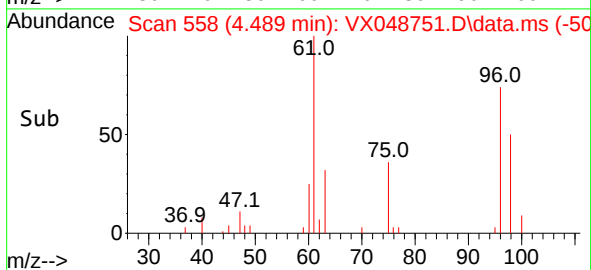
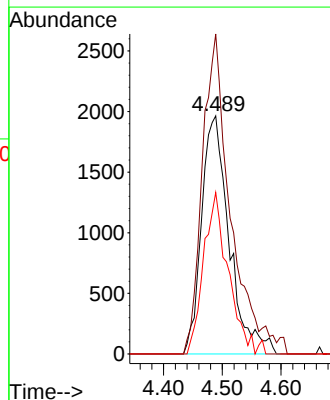
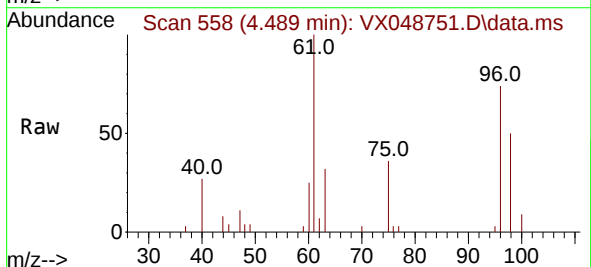
Instrument :
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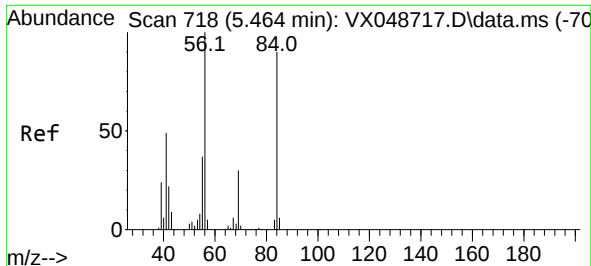
Tgt Ion: 77 Resp: 956
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#



#27
cis-1,2-Dichloroethene
Concen: 3.709 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

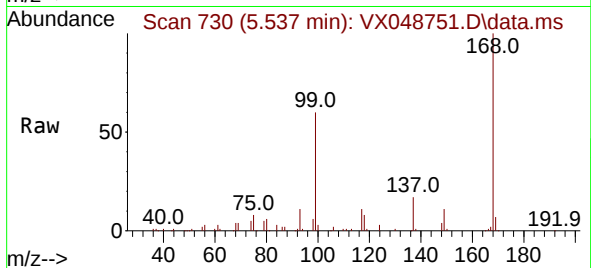
Tgt Ion: 96 Resp: 6428
Ion Ratio Lower Upper
96 100
61 137.6 0.0 271.0
98 59.7 0.0 130.2



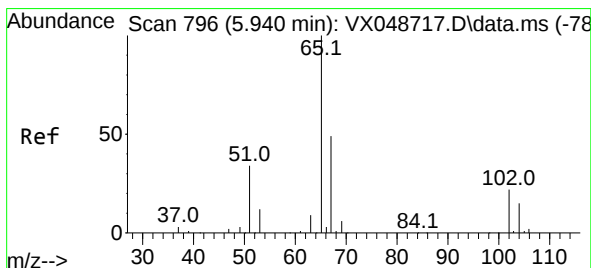
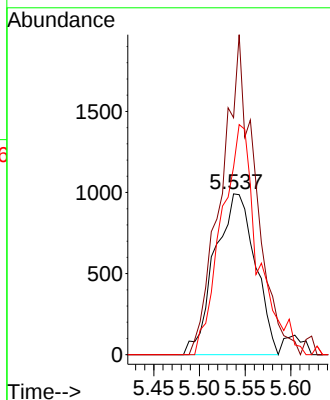
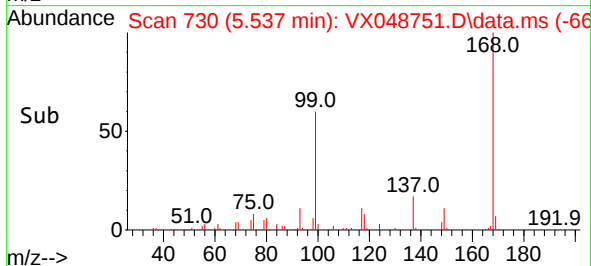


#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425MSD

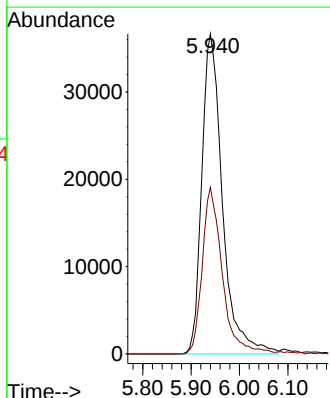
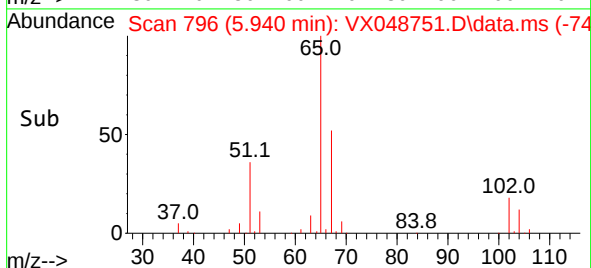
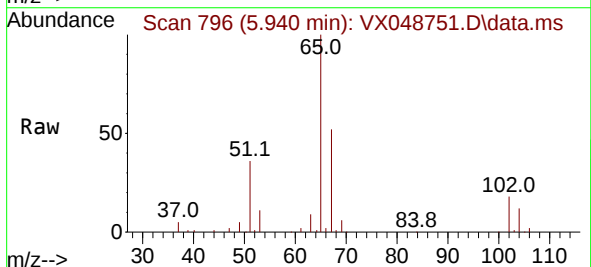


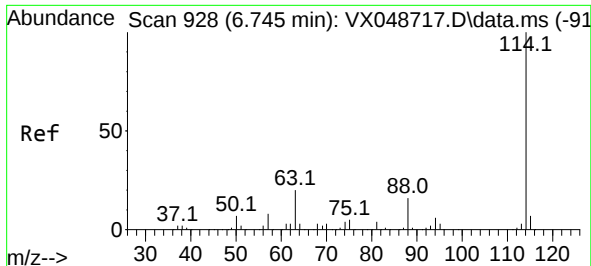
Tgt Ion: 56 Resp: 3048
Ion Ratio Lower Upper
56 100
69 147.3 24.2 36.2#
84 116.5 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 62.500 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion: 65 Resp: 108707
Ion Ratio Lower Upper
65 100
67 50.4 0.0 107.4

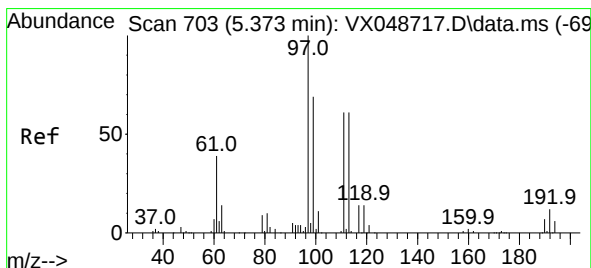
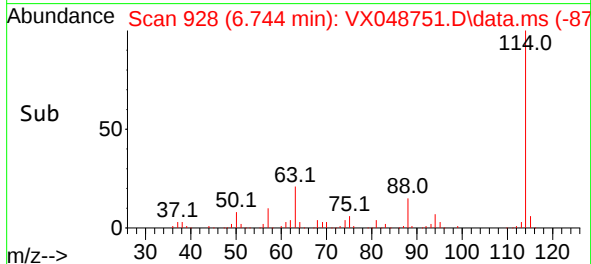
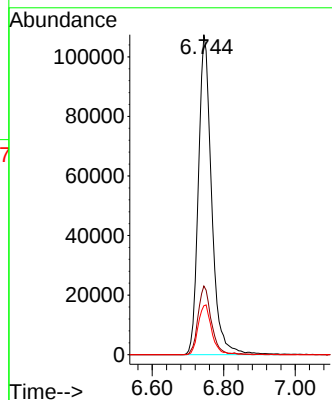
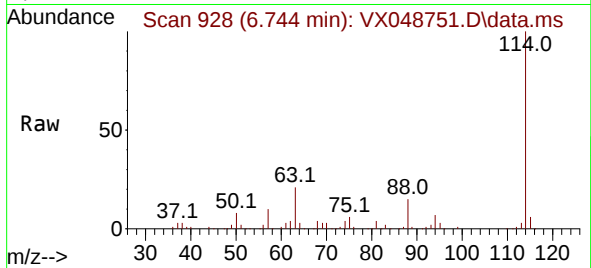




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

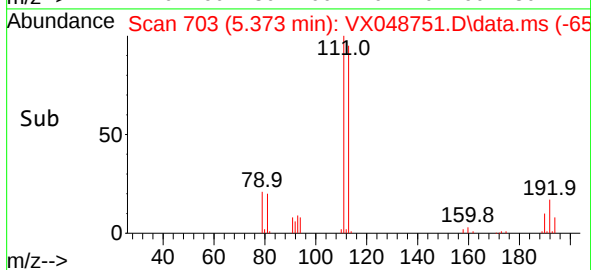
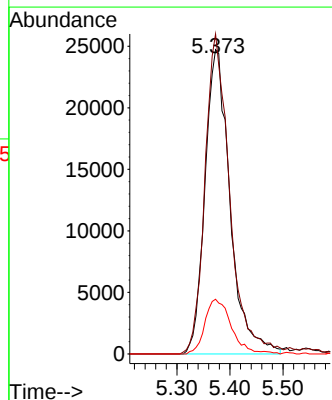
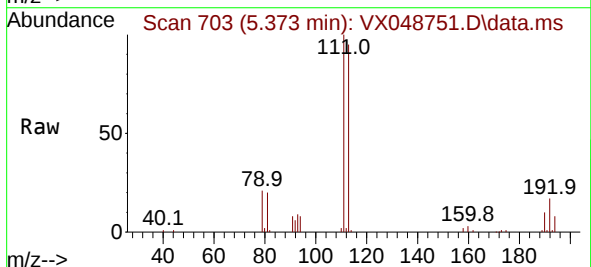
Instrument :
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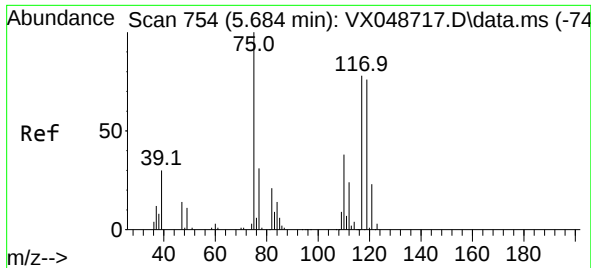
Tgt Ion:114 Resp: 275109
Ion Ratio Lower Upper
114 100
63 21.5 0.0 39.0
88 15.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 43.007 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion:113 Resp: 81466
Ion Ratio Lower Upper
113 100
111 103.5 79.5 119.3
192 18.9 16.1 24.1

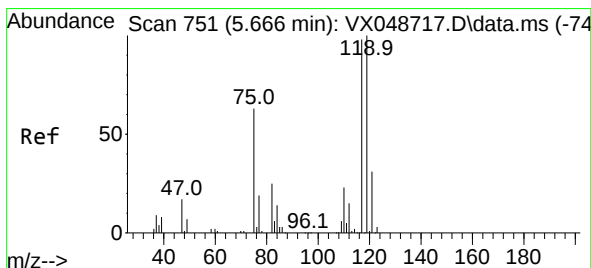
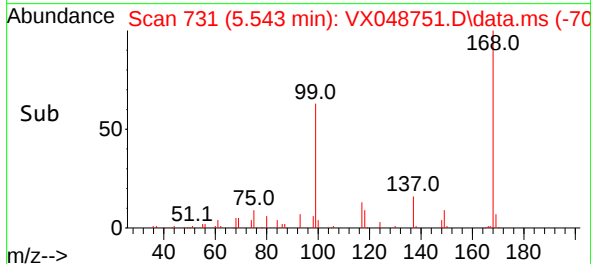
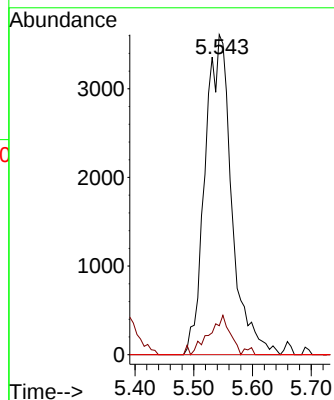
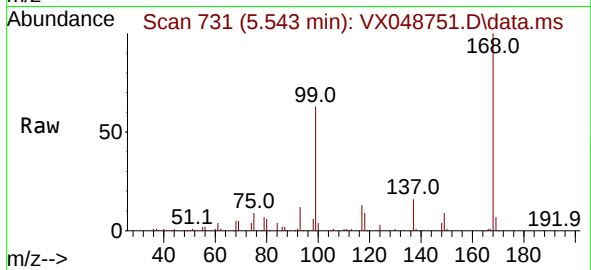




#36
1,1-Dichloropropene
Concen: 4.390 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.141 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

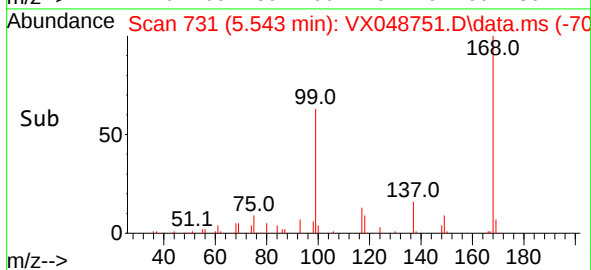
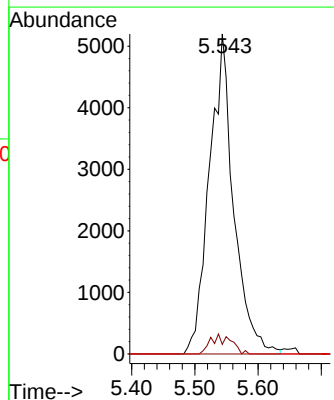
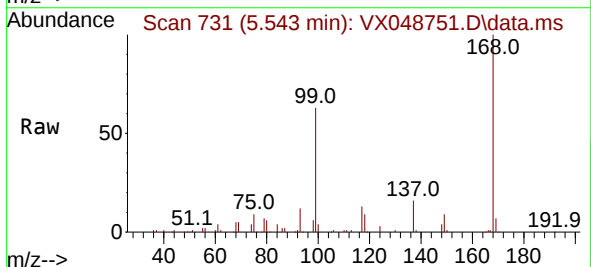
Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425MSD

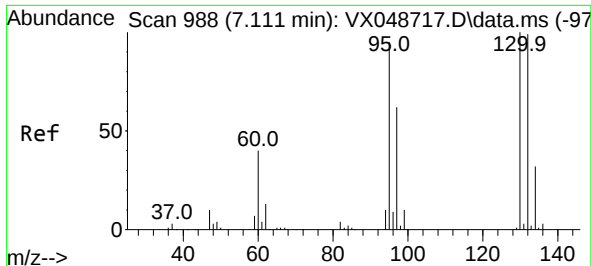
Tgt Ion: 75 Resp: 11390
Ion Ratio Lower Upper
75 100
110 9.5 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.721 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion: 117 Resp: 13875
Ion Ratio Lower Upper
117 100
119 3.0 80.5 120.7#
121 0.0 25.4 38.0#

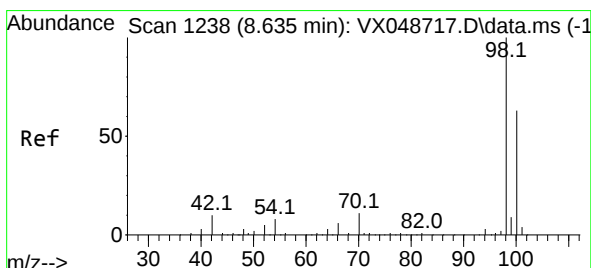
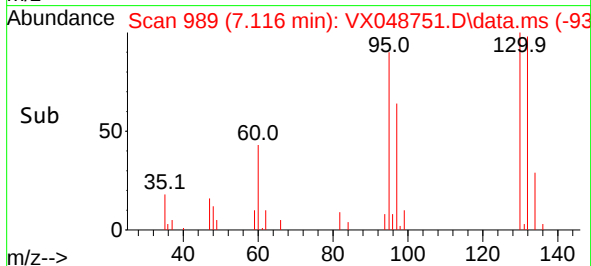
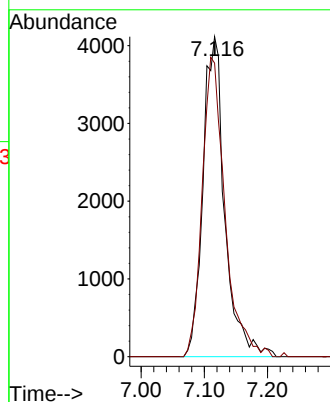
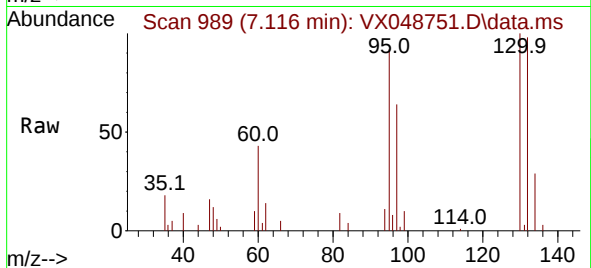




#44
Trichloroethene
Concen: 4.928 ug/l
RT: 7.116 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

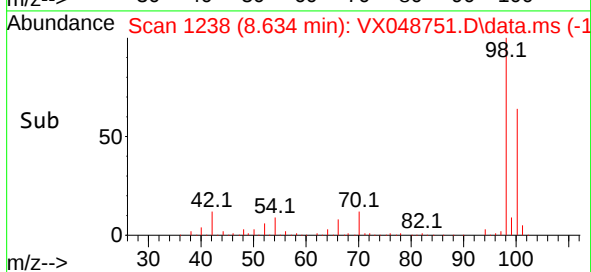
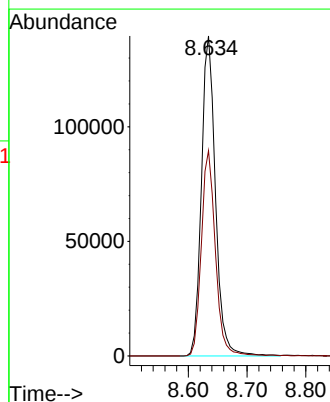
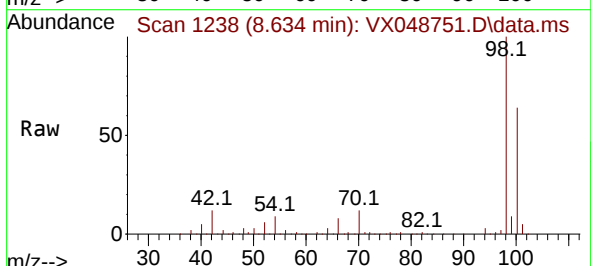
Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425MSD

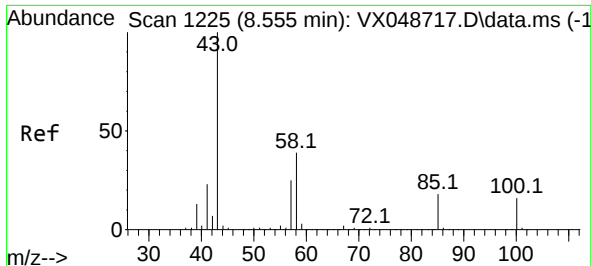
Tgt Ion:130 Resp: 9889
Ion Ratio Lower Upper
130 100
95 91.7 0.0 189.6



#50
Toluene-d8
Concen: 35.011 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion: 98 Resp: 232471
Ion Ratio Lower Upper
98 100
100 64.1 53.4 80.0

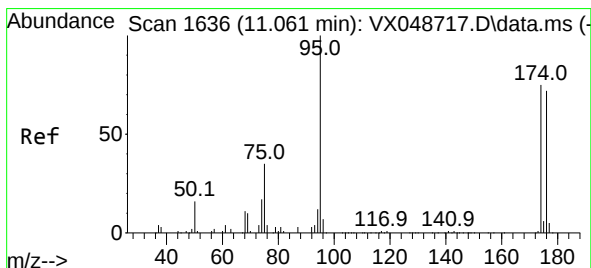
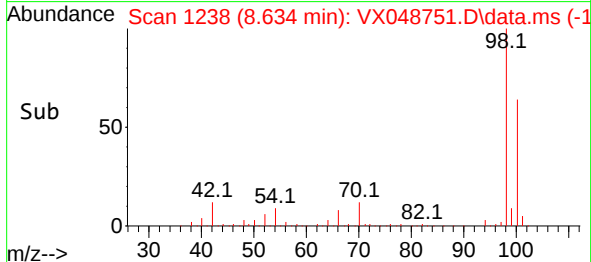
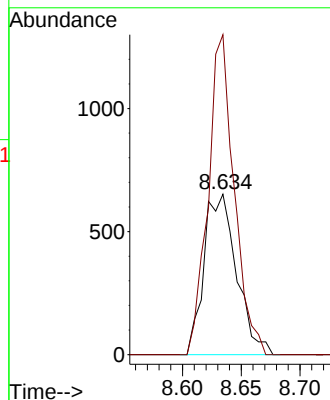
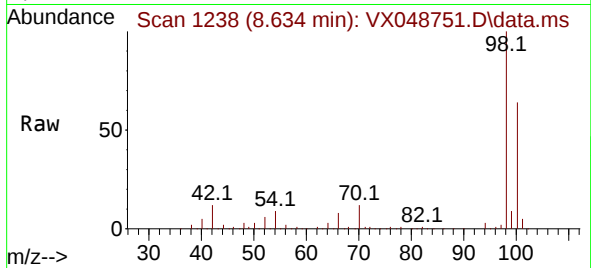




#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 8.634 min Scan# 1225
Delta R.T. 0.079 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

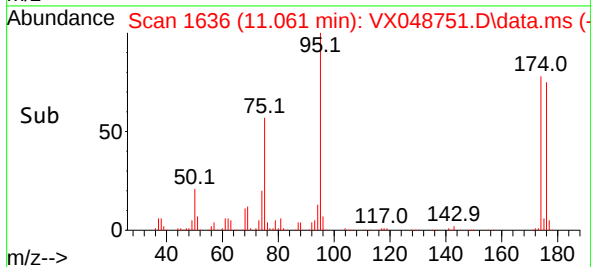
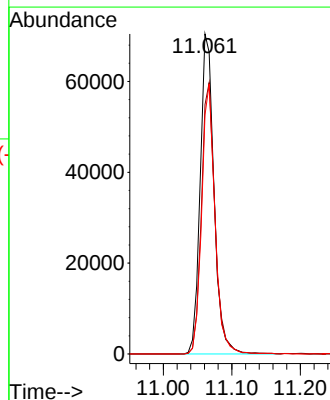
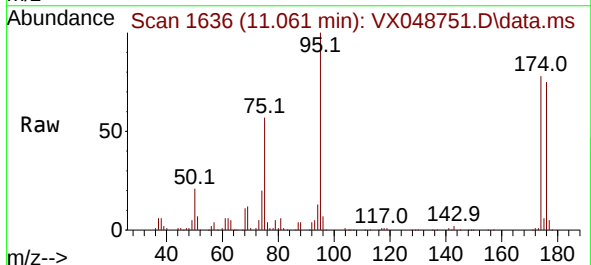
Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425MSD

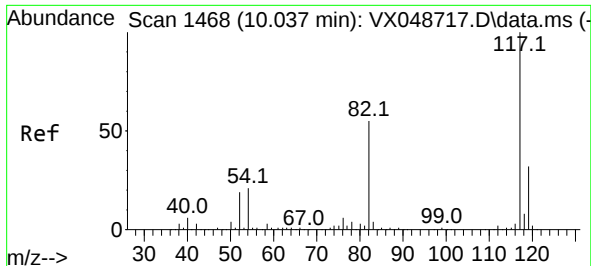
Tgt Ion: 43 Resp: 1257
Ion Ratio Lower Upper
43 100
58 160.0 32.2 48.4#



#62
4-Bromofluorobenzene
Concen: 43.195 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion: 95 Resp: 98901
Ion Ratio Lower Upper
95 100
174 83.4 0.0 157.8
176 81.3 0.0 154.0

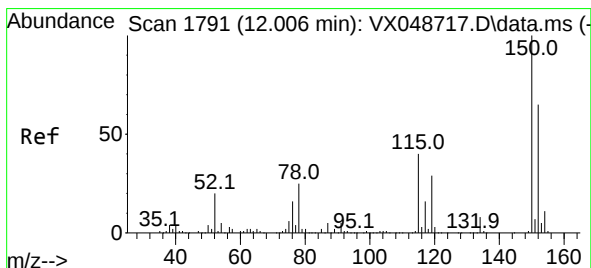
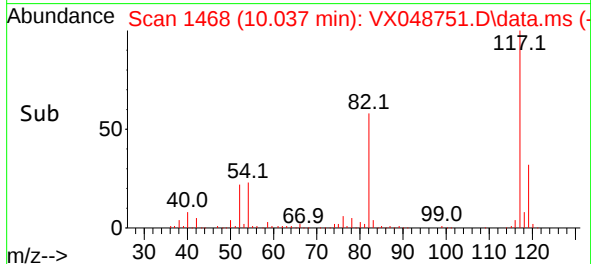
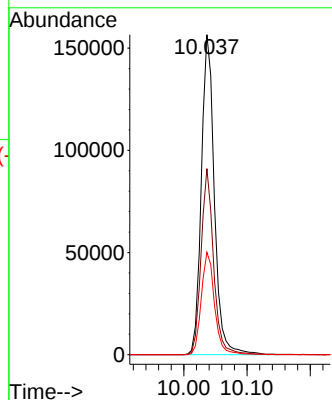
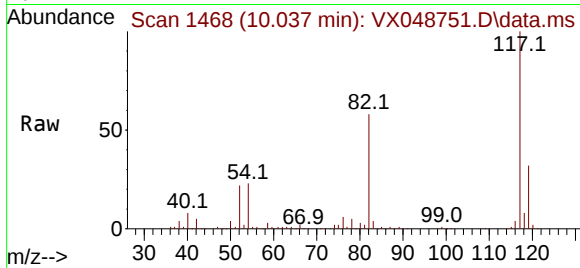




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

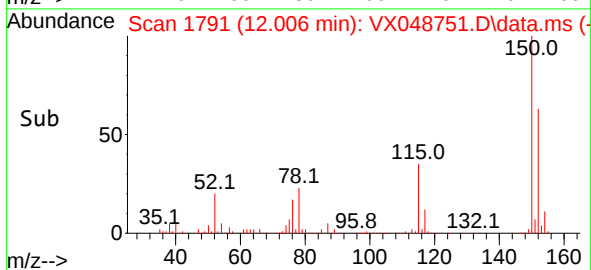
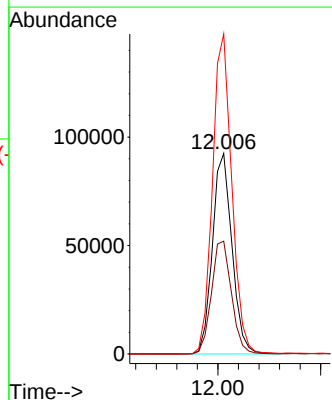
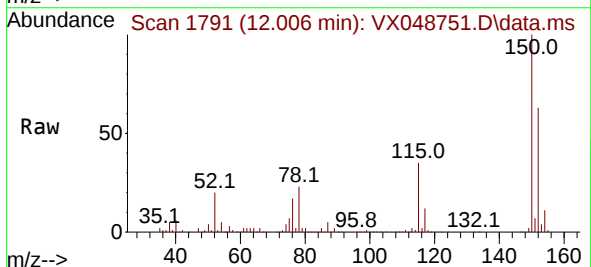
Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425MSD

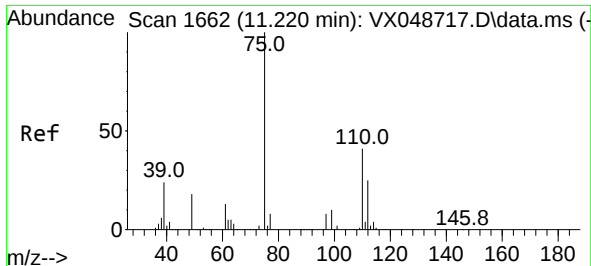
Tgt Ion:117 Resp: 225069
Ion Ratio Lower Upper
117 100
82 58.1 44.1 66.1
119 32.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion:152 Resp: 122026
Ion Ratio Lower Upper
152 100
115 57.4 42.1 126.4
150 157.8 0.0 347.8

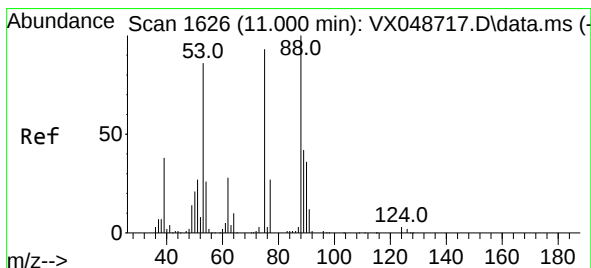
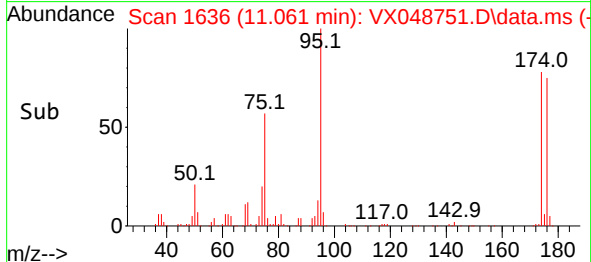
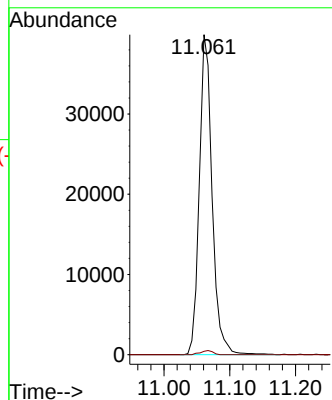
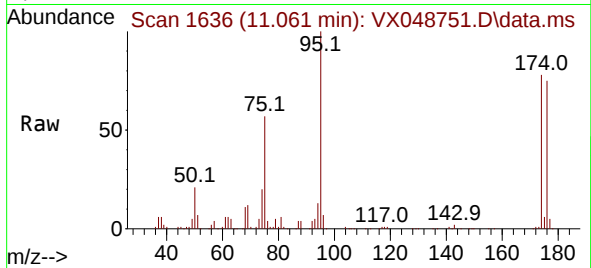




#76
1,2,3-Trichloropropane
Concen: 23.634 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

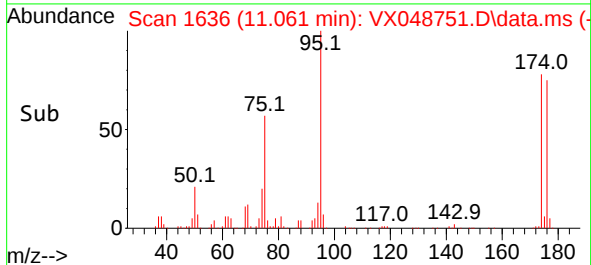
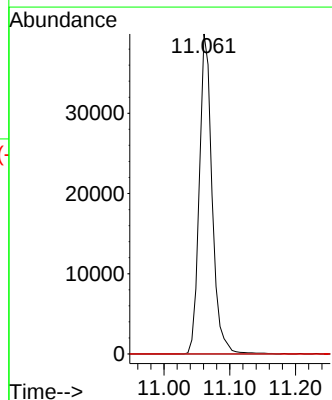
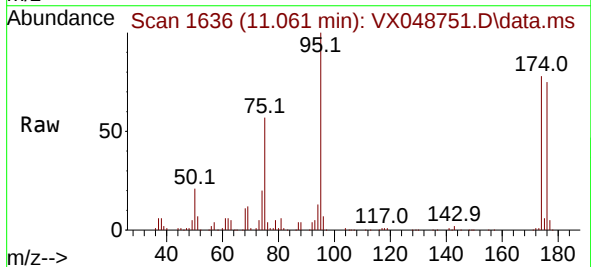
Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425MSD

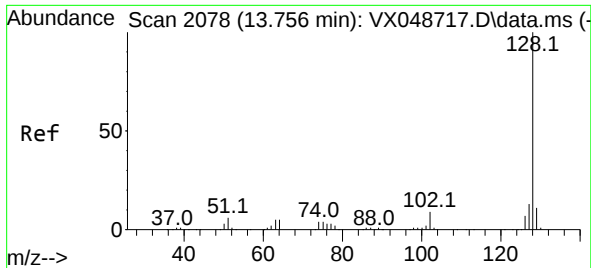
Tgt Ion: 75 Resp: 53715
Ion Ratio Lower Upper
75 100
77 1.3 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.140 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048751.D
Acq: 08 Dec 2025 13:55

Tgt Ion: 75 Resp: 53715
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: 13.761 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX048751.D

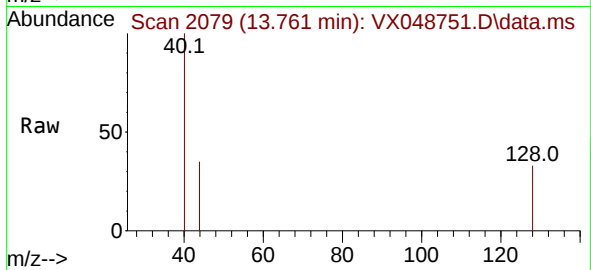
Acq: 08 Dec 2025 13:55

Instrument :

MSVOA_X

ClientSampleId :

MW-15B-42.5-120425MSD



Tgt Ion:128 Resp: 191

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 13.0#

