

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048832.D
 Acq On : 11 Dec 2025 17:21
 Operator : JC/MD
 Sample : Q3835-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-121025

Quant Time: Dec 11 23:53:45 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)

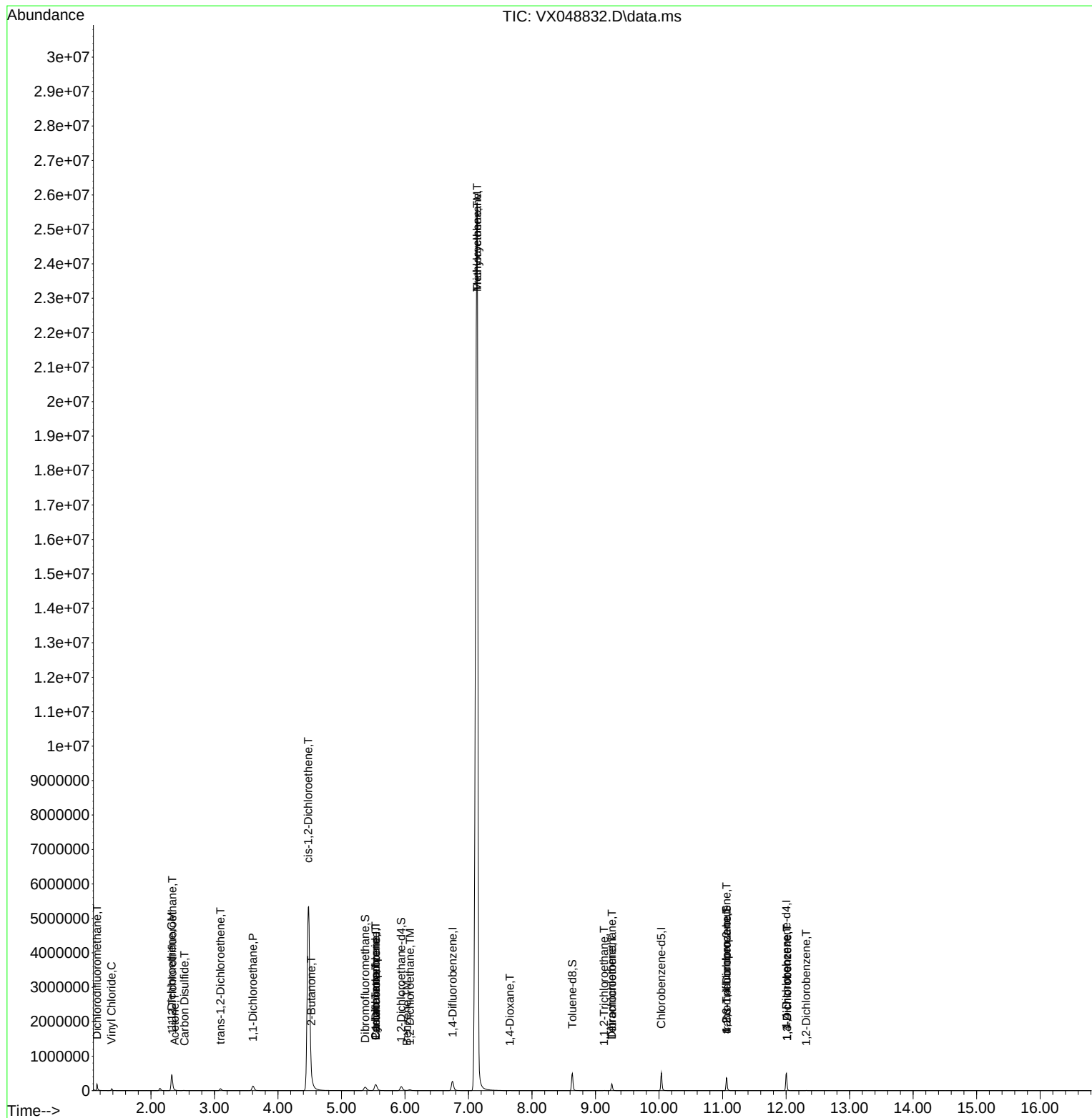
Internal Standards						
1) Pentafluorobenzene	5.544	168	184411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	307688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125762	50.810	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.620%		
35) Dibromofluoromethane	5.373	113	101654	47.983	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 95.960%		
50) Toluene-d8	8.635	98	319681	43.048	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 86.100%#		
62) 4-Bromofluorobenzene	11.061	95	107610	42.022	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 84.040%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.148	85	21269	11.320	ug/l	100
4) Vinyl Chloride	1.380	62	42502	16.831	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	25655	12.228	ug/l	98
12) 1,1-Dichloroethene	2.325	96	167588	78.261	ug/l	98
16) Acetone	2.374	43	963	1.016	ug/l	96
17) Carbon Disulfide	2.526	76	1599	0.257	ug/l #	74
21) trans-1,2-Dichloroethene	3.093	96	26424	12.090	ug/l	92
24) 1,1-Dichloroethane	3.605	63	171562	45.787	ug/l	100
25) 2-Butanone	4.526	43	462	0.330	ug/l #	1
27) cis-1,2-Dichloroethene	4.477	96	3881386	1573.792	ug/l	95
31) Cyclohexane	5.538	56	3578	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	14069	4.849	ug/l #	49
38) Carbon Tetrachloride	5.538	117	19313	5.876	ug/l #	15
39) Methylcyclohexane	7.135	83	155220	45.239	ug/l #	1
40) Benzene	6.031	78	4915	0.571	ug/l	96
42) 1,2-Dichloroethane	6.080	62	30409	9.988	ug/l	98
44) Trichloroethene	7.135	130	11882791	5294.317	ug/l	89
49) 1,4-Dioxane	7.653	88	1566	43.114	ug/l #	93
55) 1,1,2-Trichloroethane	9.135	97	1425	0.683	ug/l	94
60) Dibromochloromethane	9.257	129	36843	14.276	ug/l #	11
64) Tetrachloroethene	9.257	164	39330	21.758	ug/l	97
76) 1,2,3-Trichloropropane	11.061	75	54355	25.843	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	54355	61.387	ug/l #	3
87) 1,3-Dichlorobenzene	12.018	146	6458	1.725	ug/l	82
88) 1,4-Dichlorobenzene	12.018	146	6458	1.669	ug/l #	80
91) 1,2-Dichlorobenzene	12.317	146	2160	0.595	ug/l	96
95) Naphthalene	13.768	128	210	Below Cal	#	69

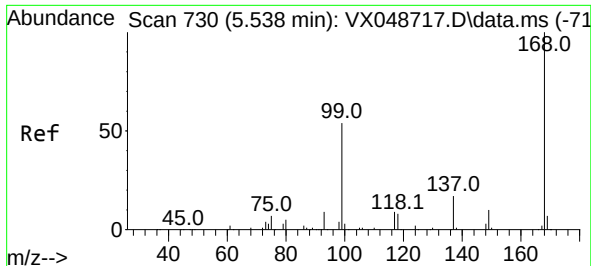
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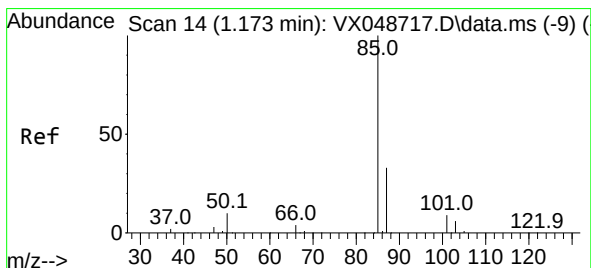
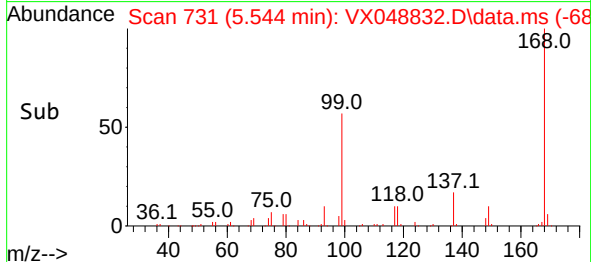
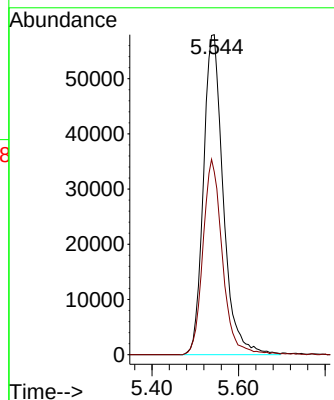
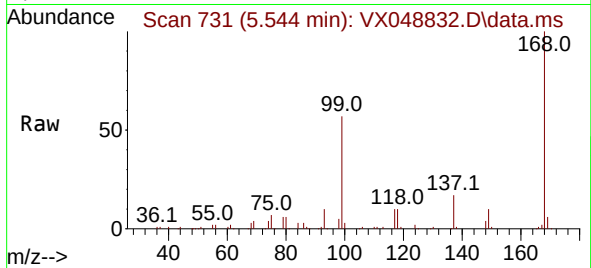




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

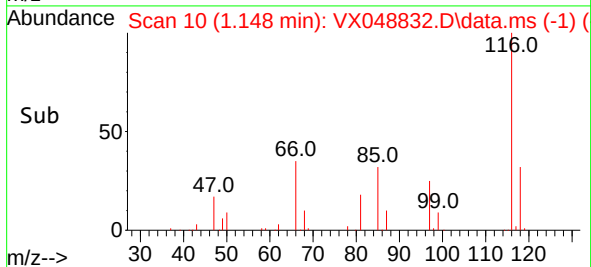
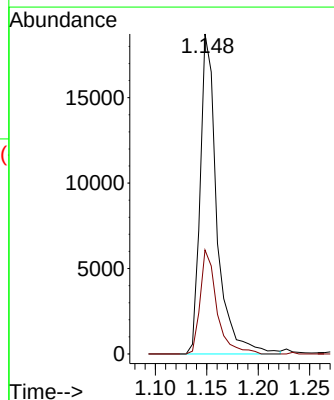
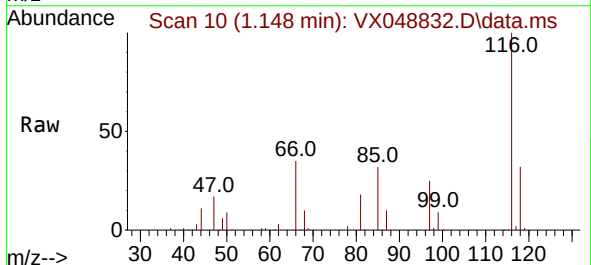
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

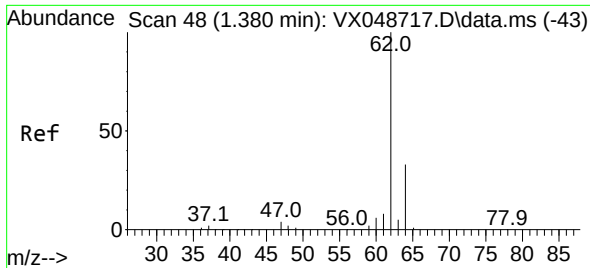
Tgt Ion:168 Resp: 184411
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 11.320 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 85 Resp: 21269
Ion Ratio Lower Upper
85 100
87 32.5 16.4 49.1

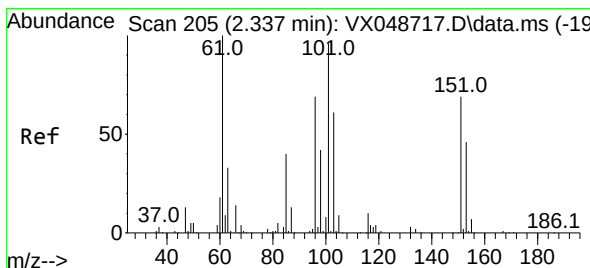
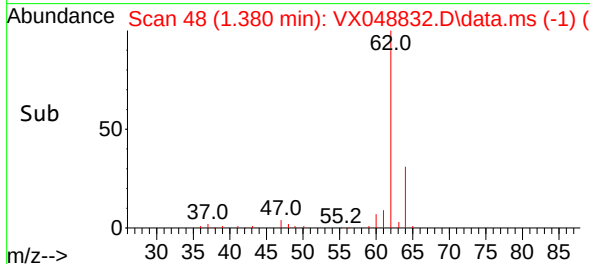
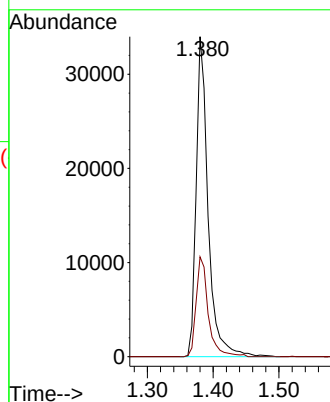
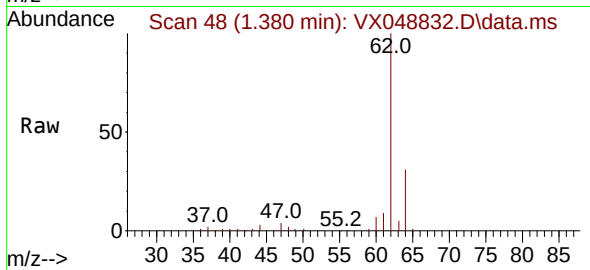




#4
 Vinyl Chloride
 Concen: 16.831 ug/l
 RT: 1.380 min Scan# 48
 Delta R.T. 0.000 min
 Lab File: VX048832.D
 Acq: 11 Dec 2025 17:21

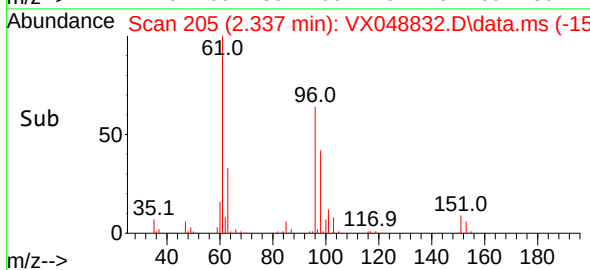
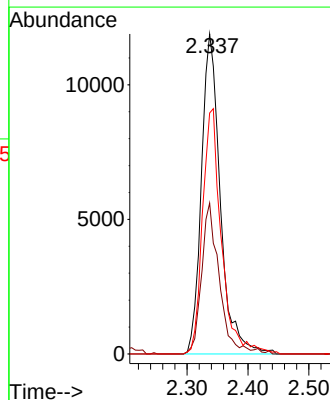
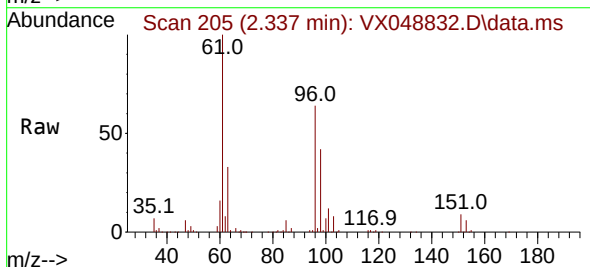
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-121025

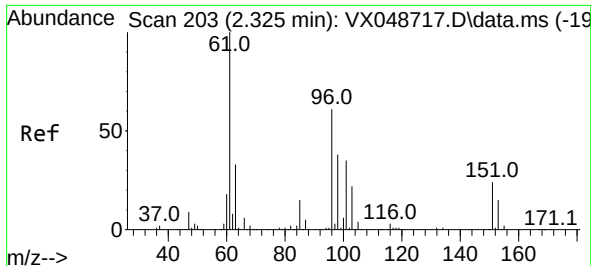
Tgt Ion: 62 Resp: 42502
 Ion Ratio Lower Upper
 62 100
 64 31.2 26.0 39.0



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.228 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. 0.000 min
 Lab File: VX048832.D
 Acq: 11 Dec 2025 17:21

Tgt Ion: 101 Resp: 25655
 Ion Ratio Lower Upper
 101 100
 85 44.4 34.2 51.2
 151 76.5 60.2 90.4





#12

1,1-Dichloroethene

Concen: 78.261 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX048832.D

Acq: 11 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-121025

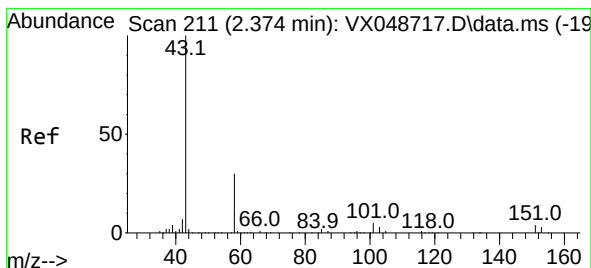
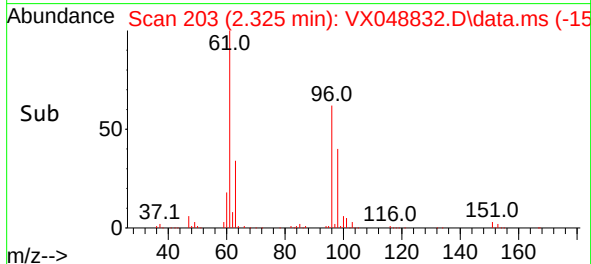
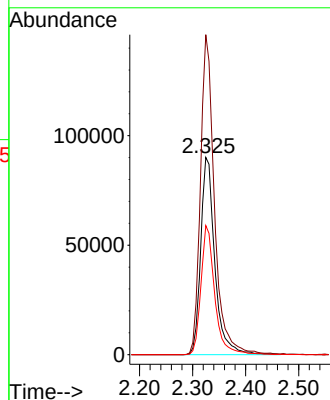
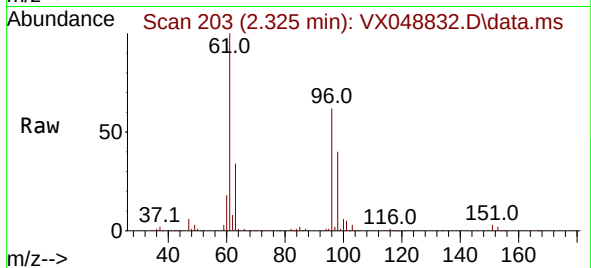
Tgt Ion: 96 Resp: 167588

Ion Ratio Lower Upper

96 100

61 162.2 130.7 196.1

98 65.4 49.8 74.8



#16

Acetone

Concen: 1.016 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX048832.D

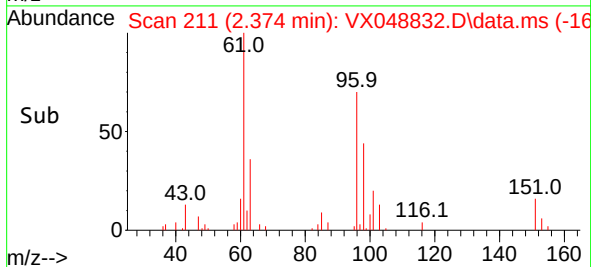
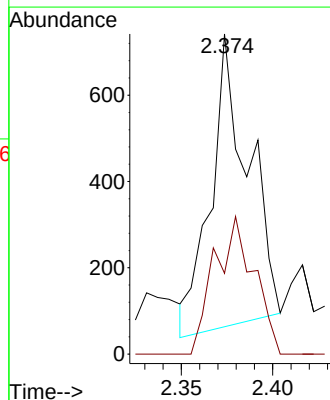
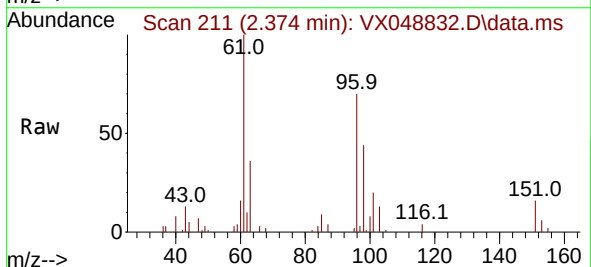
Acq: 11 Dec 2025 17:21

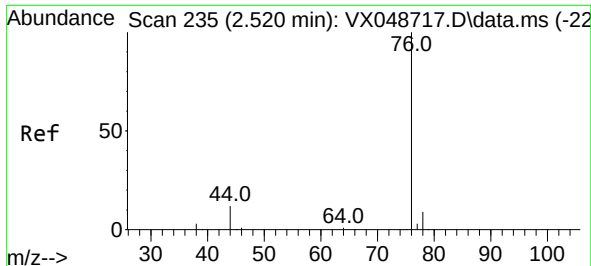
Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 28.9 25.0 37.4

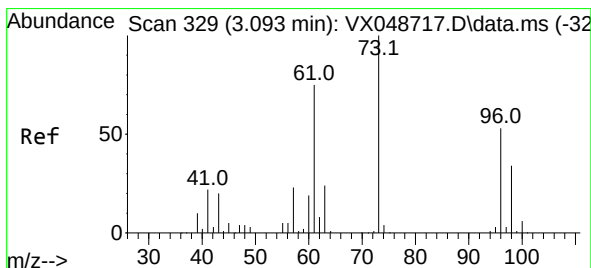
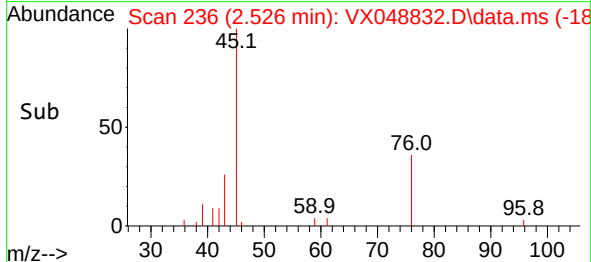
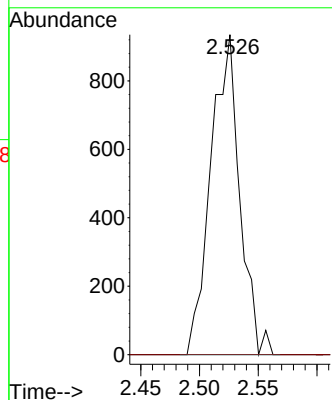
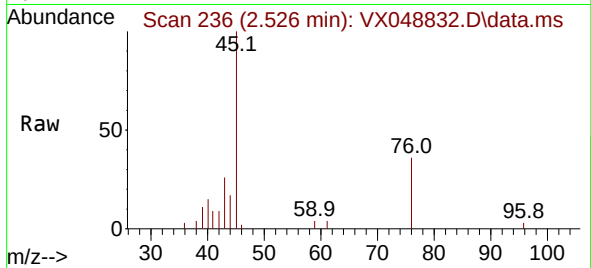




#17
Carbon Disulfide
Concen: 0.257 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

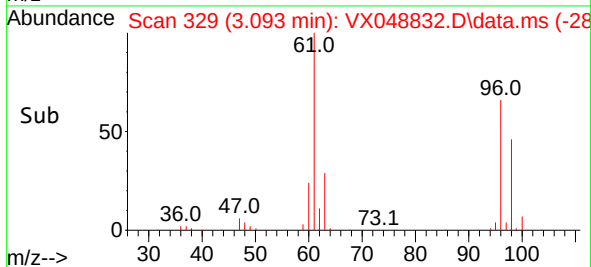
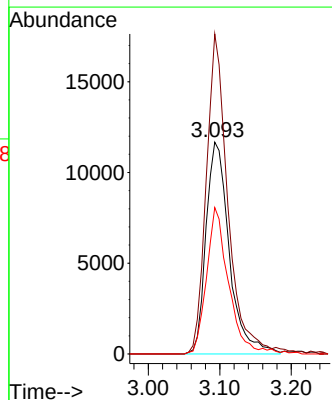
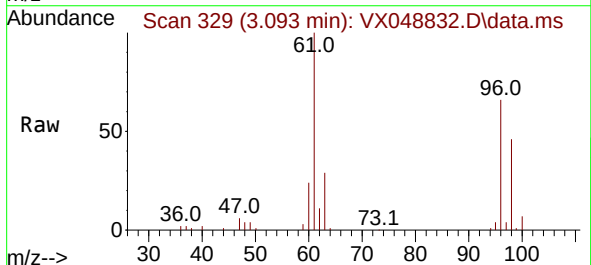
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MW-11B-37.5-121025

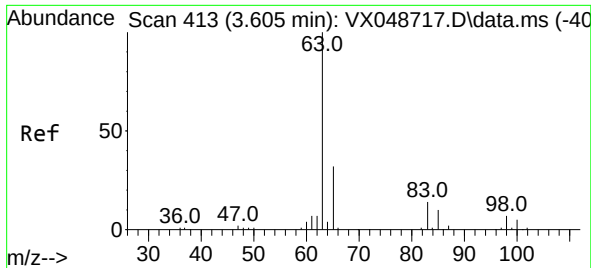
Tgt Ion: 76 Resp: 1599
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#21
trans-1,2-Dichloroethene
Concen: 12.090 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 96 Resp: 26424
Ion Ratio Lower Upper
96 100
61 151.0 112.8 169.2
98 69.1 51.0 76.4

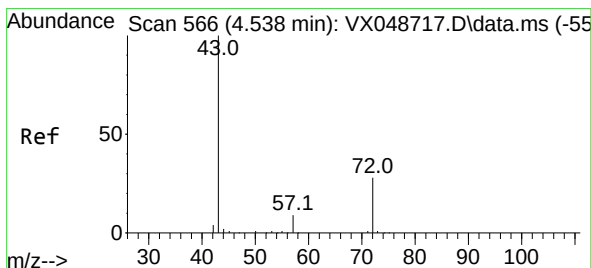
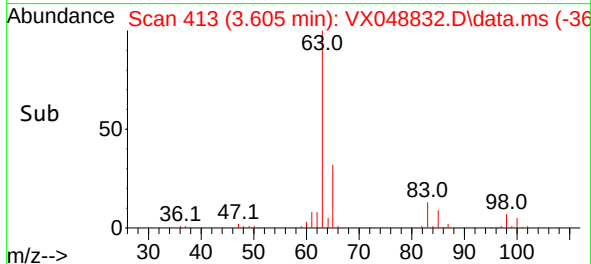
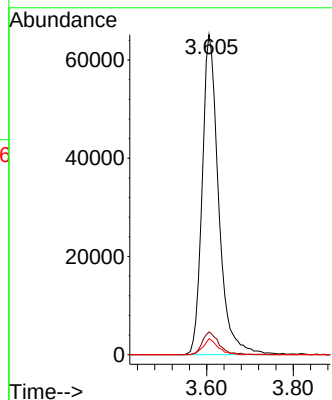
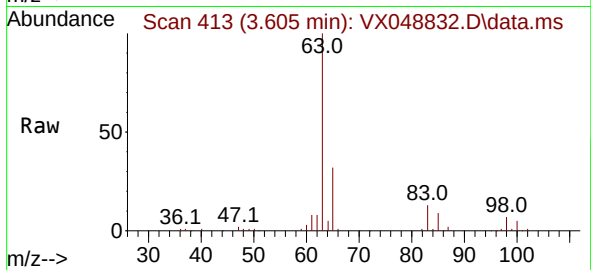




#24
 1,1-Dichloroethane
 Concen: 45.787 ug/l
 RT: 3.605 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX048832.D
 Acq: 11 Dec 2025 17:21

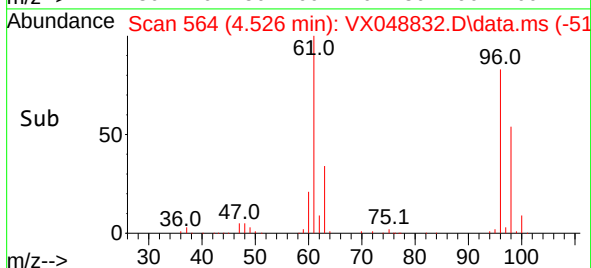
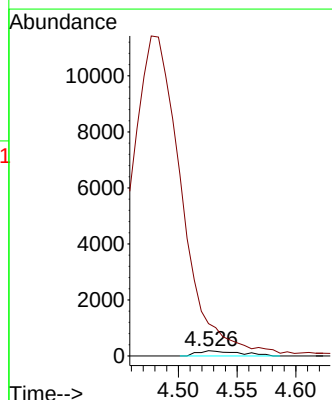
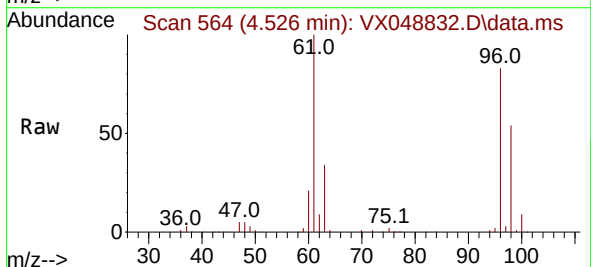
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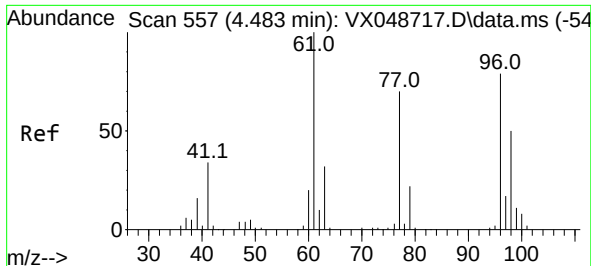
Tgt Ion: 63 Resp: 171562
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.6
 100 5.0 2.5 7.4



#25
 2-Butanone
 Concen: 0.330 ug/l
 RT: 4.526 min Scan# 564
 Delta R.T. -0.012 min
 Lab File: VX048832.D
 Acq: 11 Dec 2025 17:21

Tgt Ion: 43 Resp: 462
 Ion Ratio Lower Upper
 43 100
 72 563.1 22.6 34.0#





#27

cis-1,2-Dichloroethene

Concen: 1573.792 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX048832.D

Acq: 11 Dec 2025 17:21

Instrument :

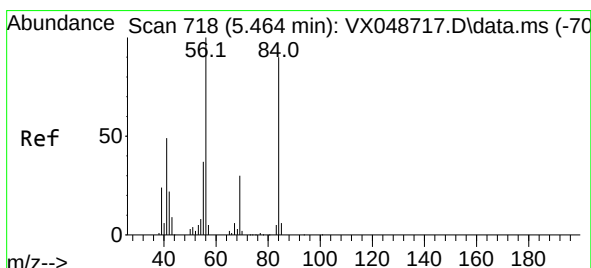
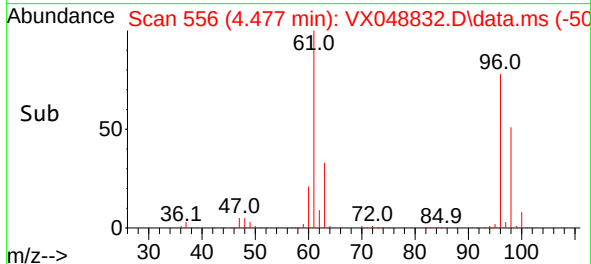
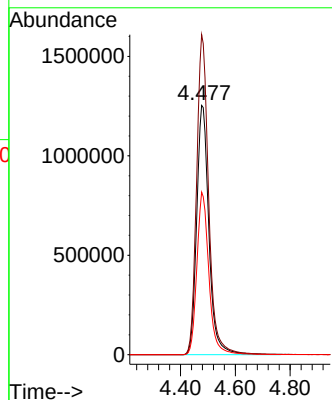
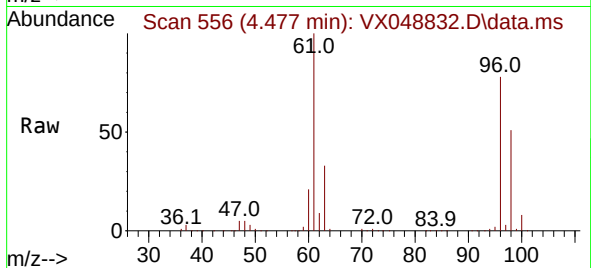
MSVOA_X

ClientSampleId :

MW-11B-37.5-121025

Tgt Ion: 96 Resp: 3881386

Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	271.0
98	64.0	0.0	130.2



#31

Cyclohexane

Concen: 1.070 ug/l

RT: 5.538 min Scan# 730

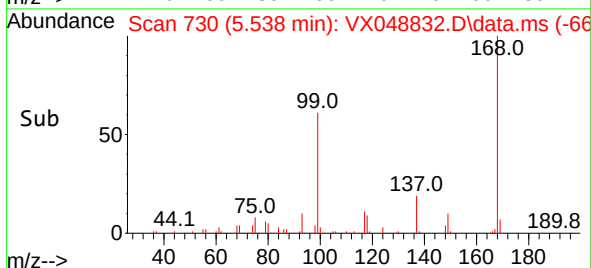
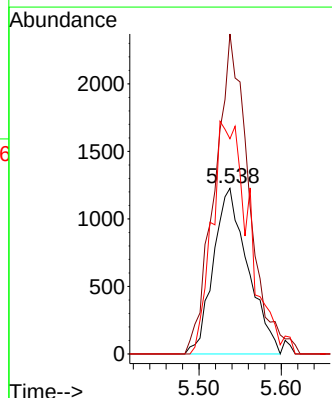
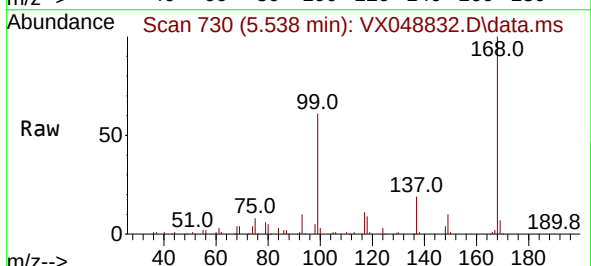
Delta R.T. 0.073 min

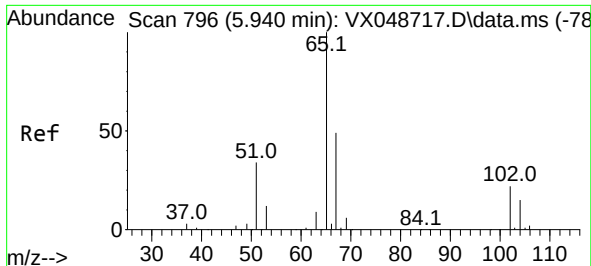
Lab File: VX048832.D

Acq: 11 Dec 2025 17:21

Tgt Ion: 56 Resp: 3578

Ion	Ratio	Lower	Upper
56	100		
69	193.2	24.2	36.2#
84	129.9	72.1	108.1#





#33

1,2-Dichloroethane-d4

Concen: 50.810 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048832.D

Acq: 11 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

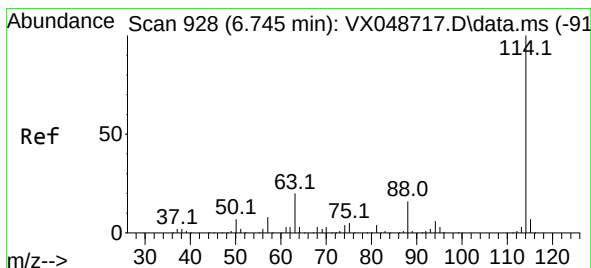
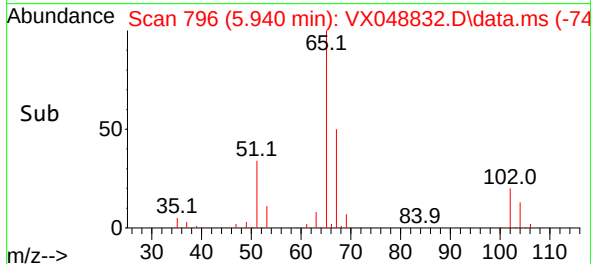
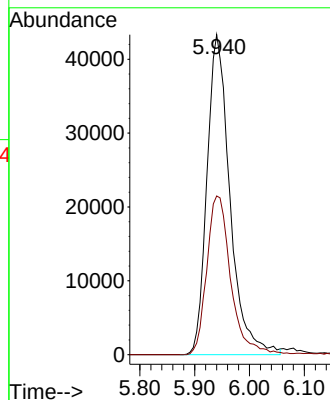
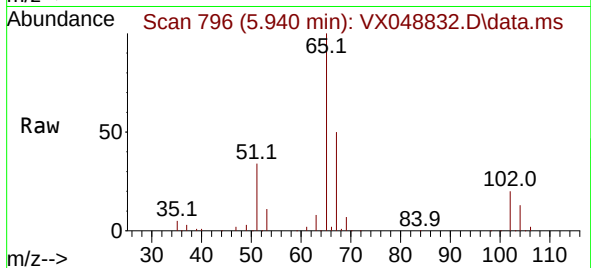
MW-11B-37.5-121025

Tgt Ion: 65 Resp: 125762

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048832.D

Acq: 11 Dec 2025 17:21

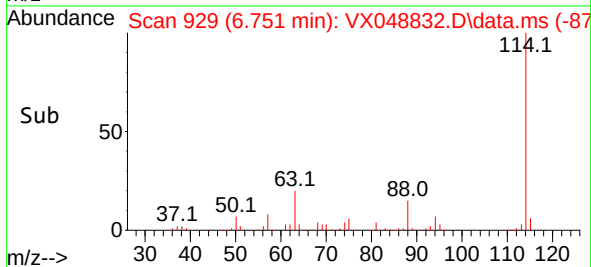
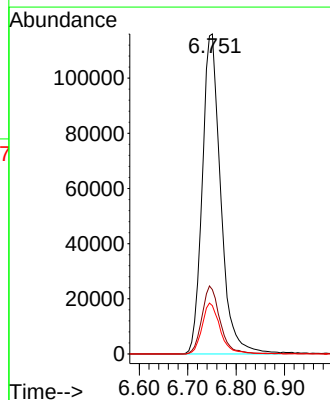
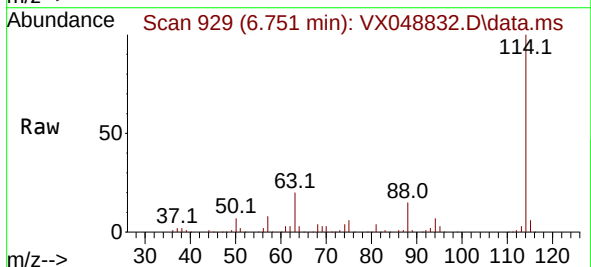
Tgt Ion: 114 Resp: 307688

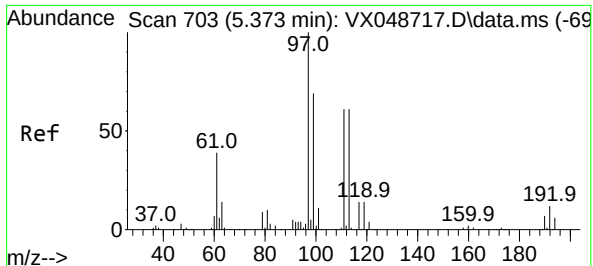
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 15.1 0.0 31.8

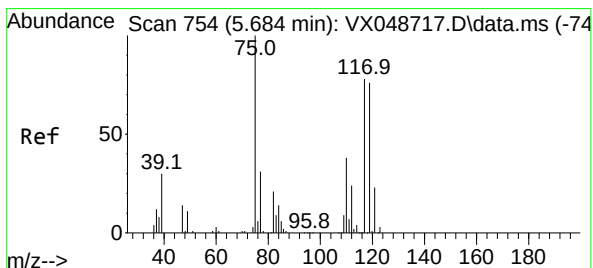
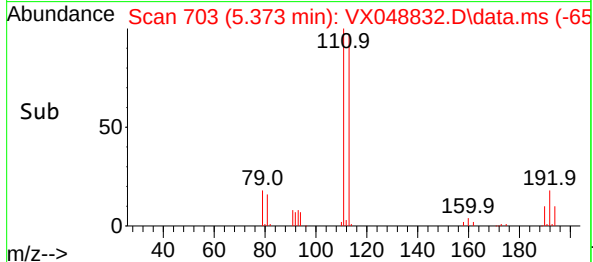
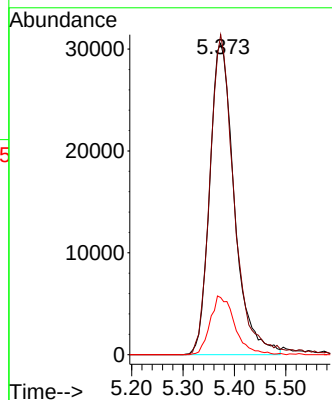
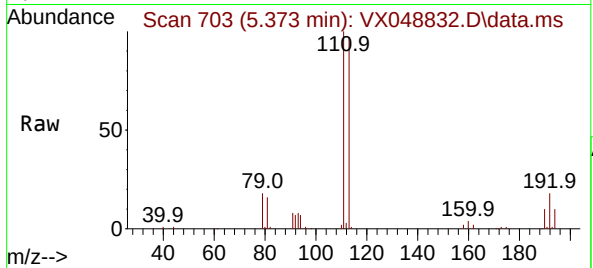




#35
Dibromofluoromethane
Concen: 47.983 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

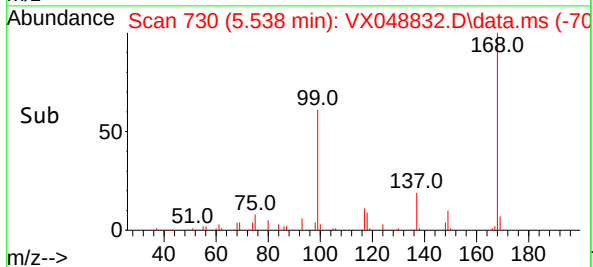
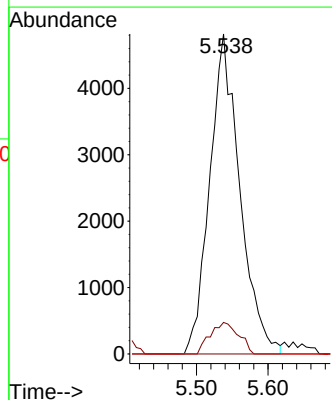
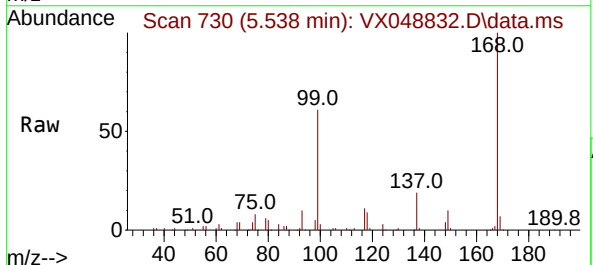
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

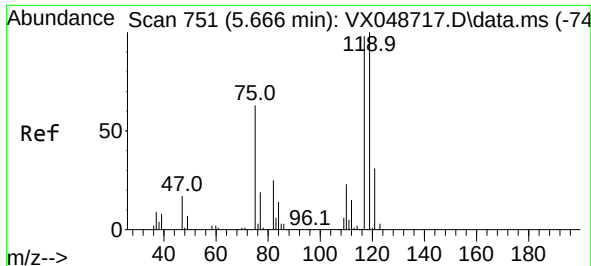
Tgt Ion:113 Resp: 101654
Ion Ratio Lower Upper
113 100
111 102.1 79.5 119.3
192 18.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.849 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 75 Resp: 14069
Ion Ratio Lower Upper
75 100
110 9.4 18.6 55.8#
77 0.0 25.3 37.9#

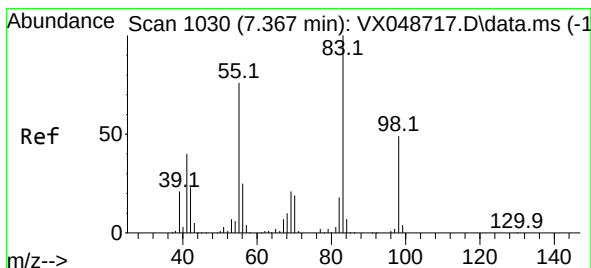
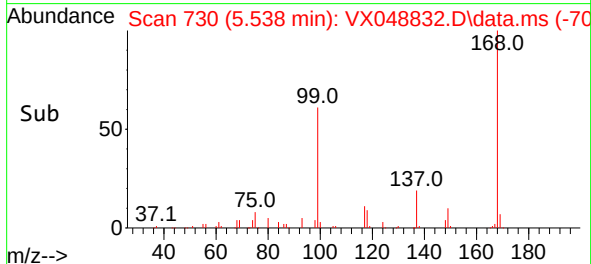
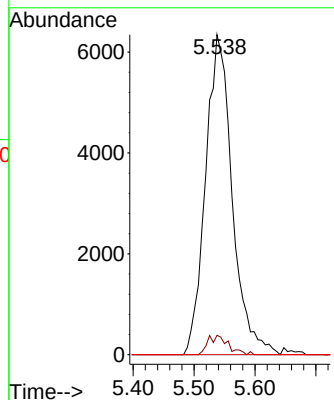
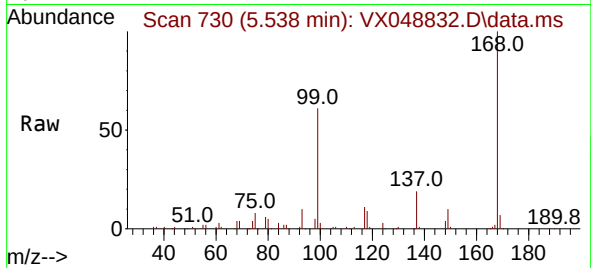




#38
Carbon Tetrachloride
Concen: 5.876 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

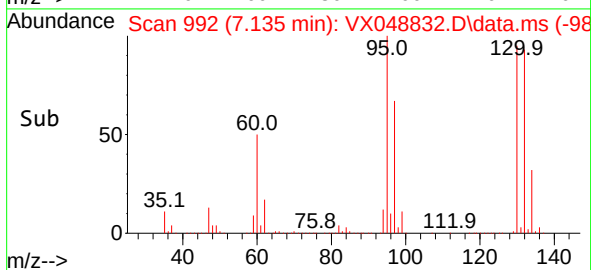
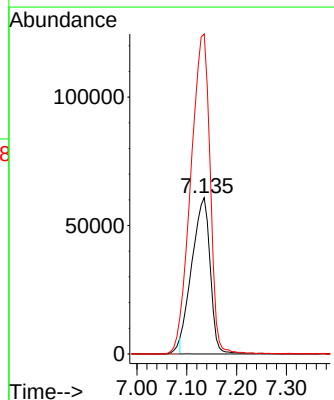
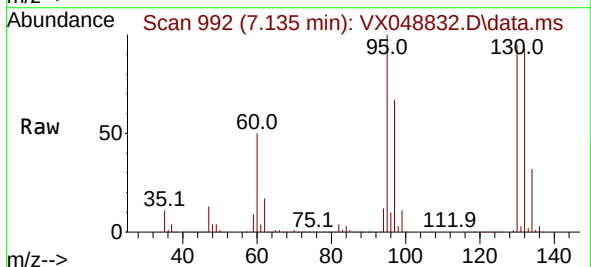
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

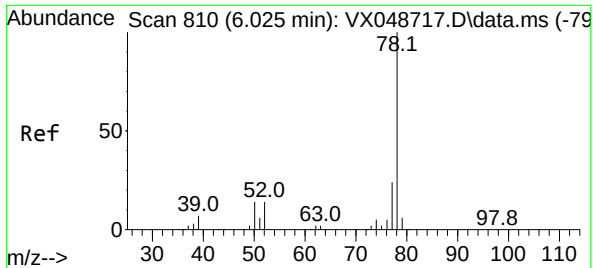
Tgt Ion:117 Resp: 19313
Ion Ratio Lower Upper
117 100
119 6.1 80.5 120.7#
121 0.0 25.4 38.0#



#39
Methylcyclohexane
Concen: 45.239 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.232 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 83 Resp: 155220
Ion Ratio Lower Upper
83 100
55 0.0 60.6 90.8#
98 204.4 39.3 58.9#

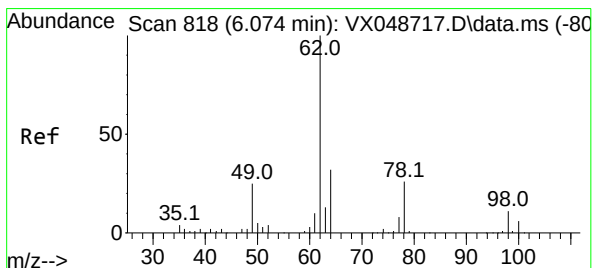
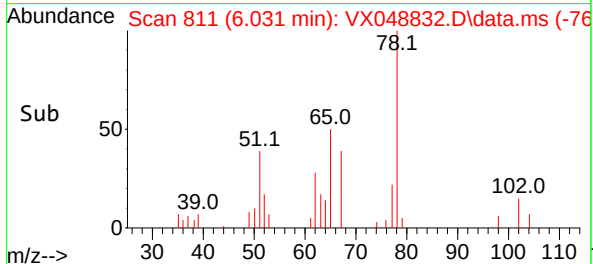
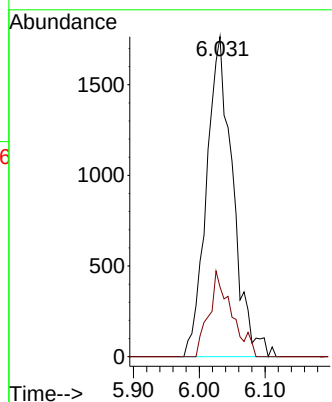
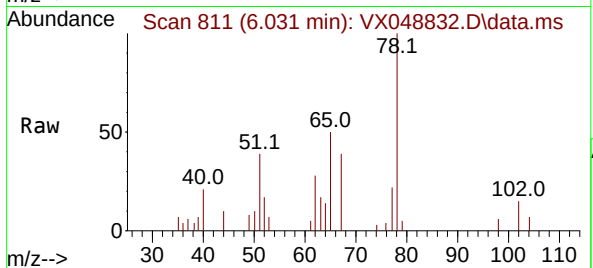




#40
Benzene
Concen: 0.571 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

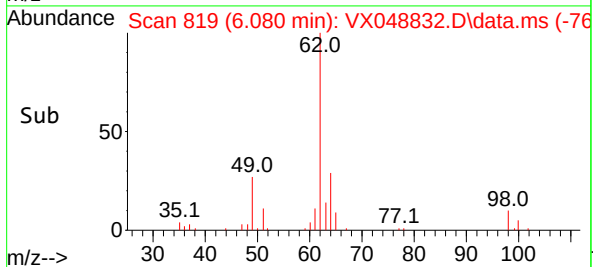
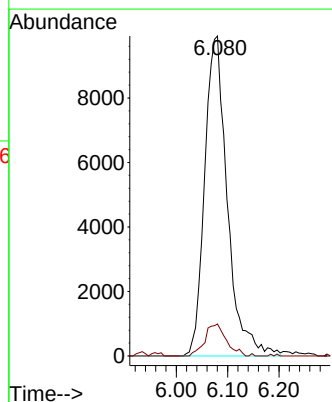
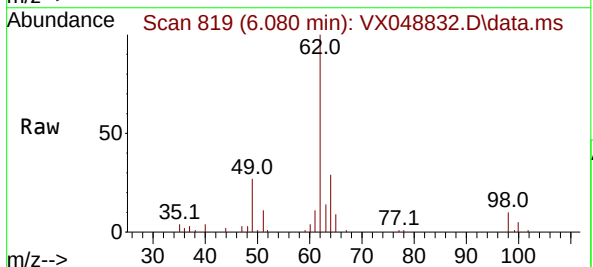
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

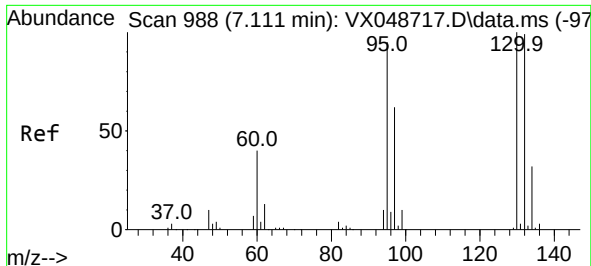
Tgt Ion: 78 Resp: 4915
Ion Ratio Lower Upper
78 100
77 21.8 18.8 28.2



#42
1,2-Dichloroethane
Concen: 9.988 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 62 Resp: 30409
Ion Ratio Lower Upper
62 100
98 9.4 0.0 20.2

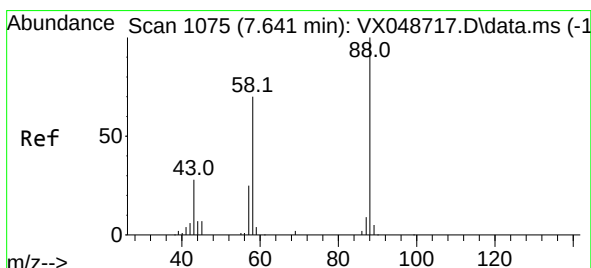
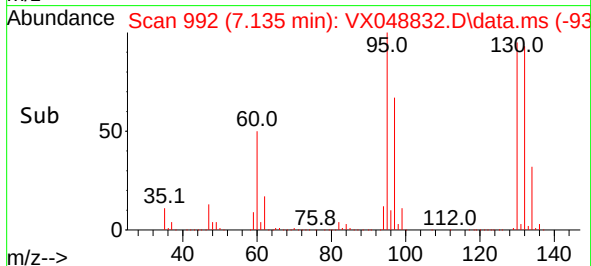
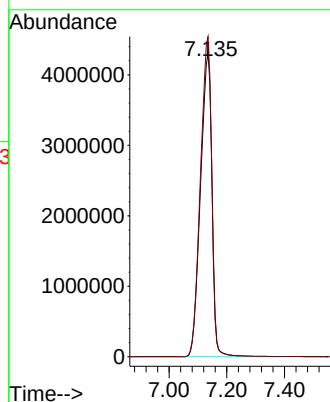
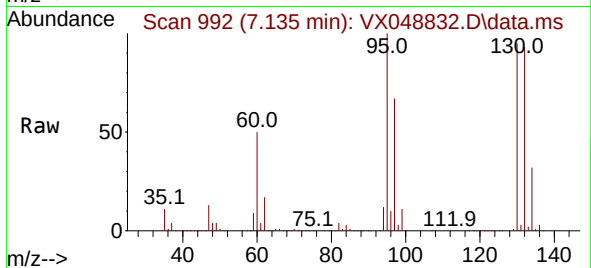




#44
Trichloroethene
Concen: 5294.317 ug/l
RT: 7.135 min Scan# 91
Delta R.T. 0.024 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

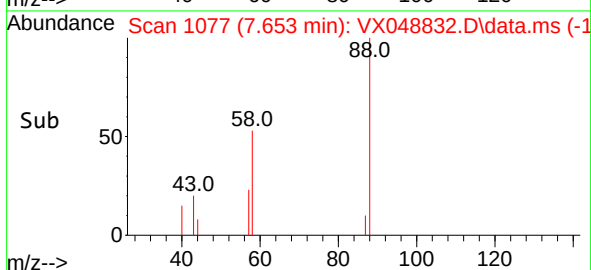
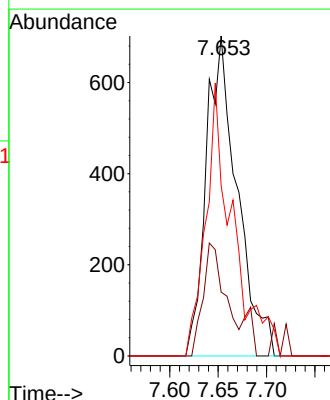
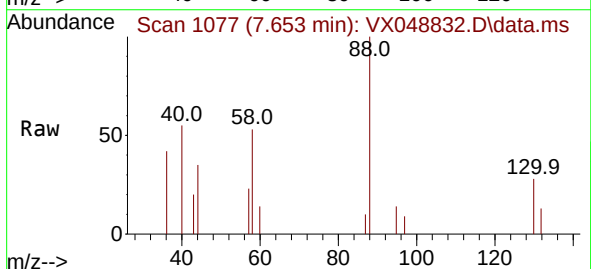
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

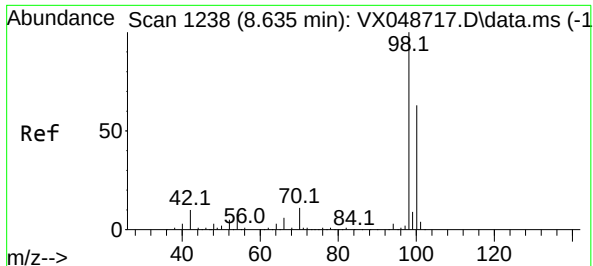
Tgt Ion:130 Resp:11882791
Ion Ratio Lower Upper
130 100
95 105.4 0.0 189.6



#49
1,4-Dioxane
Concen: 43.114 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. 0.012 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 88 Resp: 1566
Ion Ratio Lower Upper
88 100
43 25.6 28.6 43.0#
58 73.8 58.0 87.0

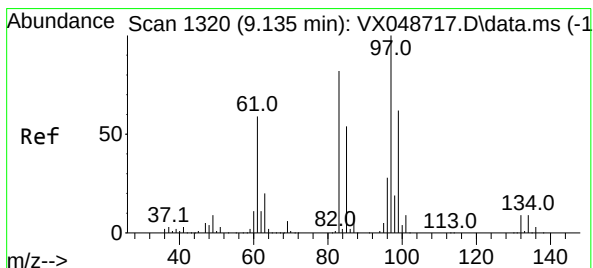
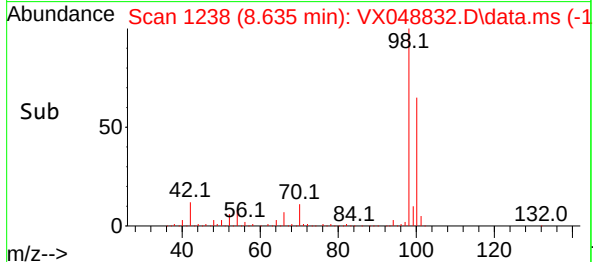
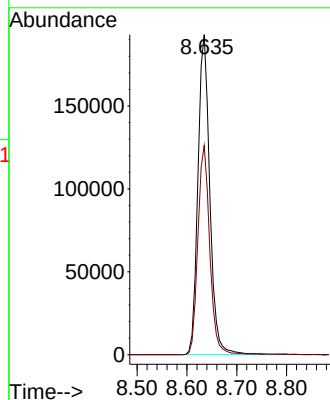
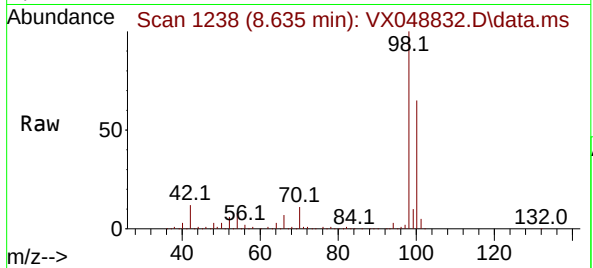




#50
Toluene-d8
Concen: 43.048 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

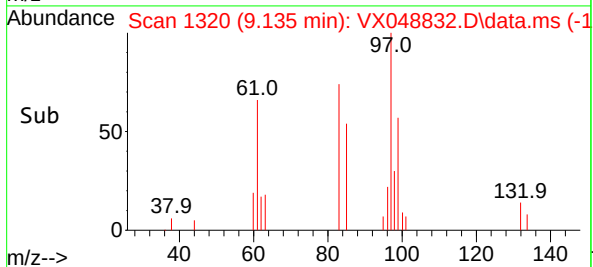
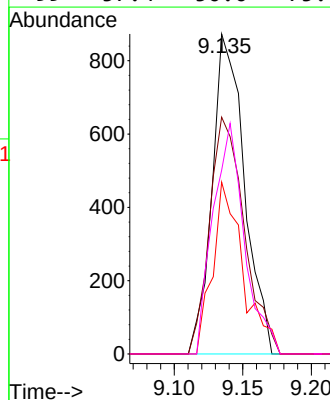
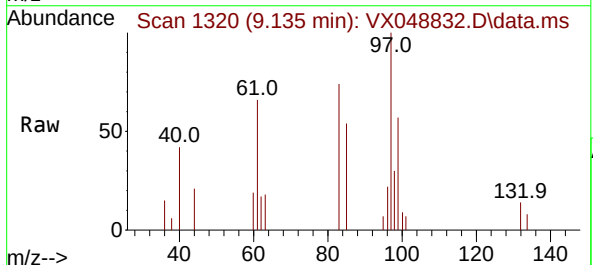
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

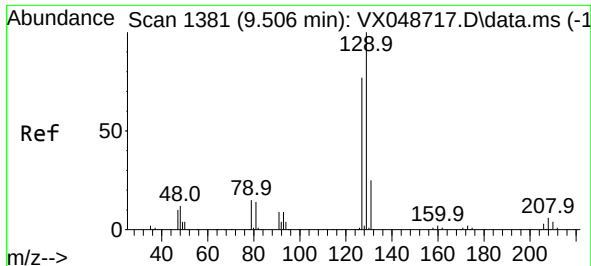
Tgt Ion: 98 Resp: 319681
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.0



#55
1,1,2-Trichloroethane
Concen: 0.683 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 97 Resp: 1425
Ion Ratio Lower Upper
97 100
83 74.0 66.0 99.0
85 53.7 43.2 64.8
99 57.4 50.0 75.0

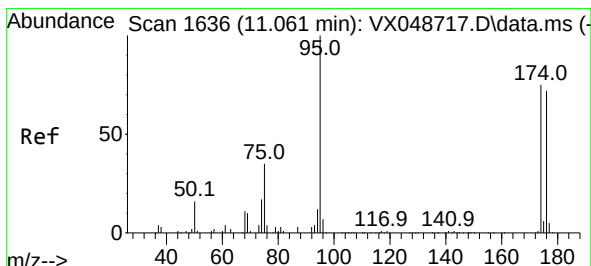
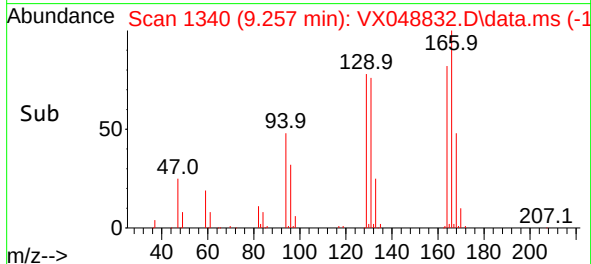
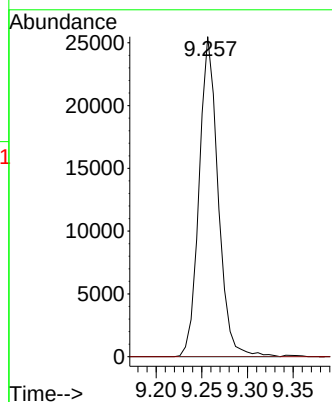
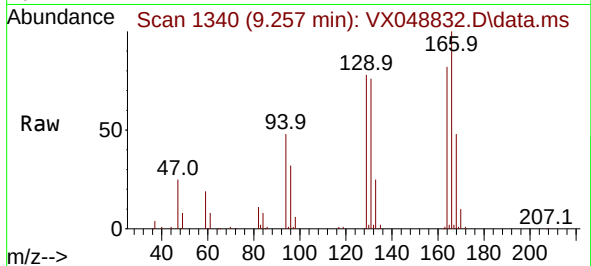




#60
Dibromochloromethane
Concen: 14.276 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

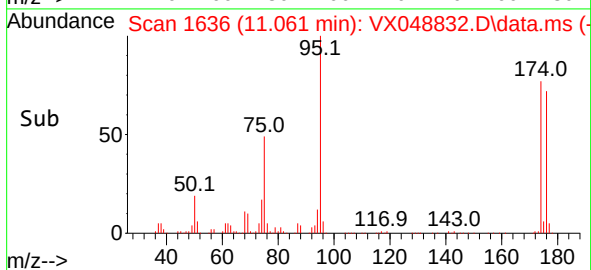
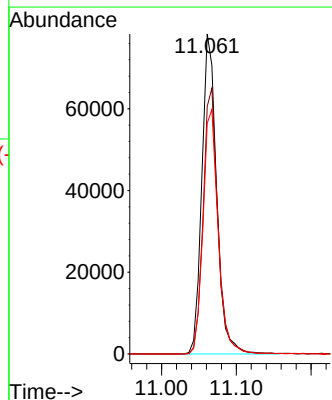
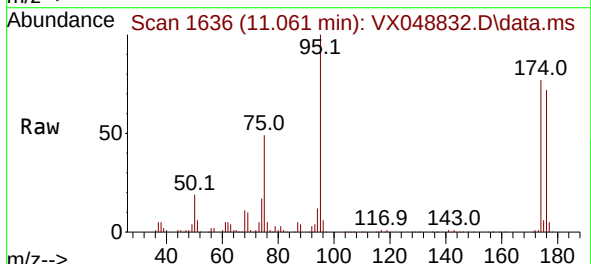
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

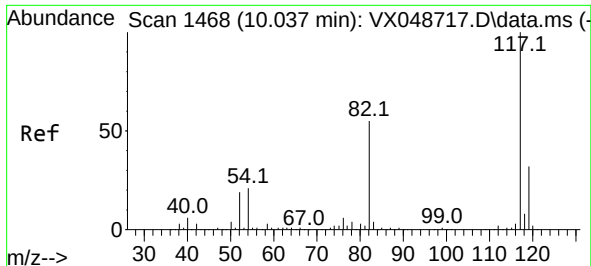
Tgt Ion:129 Resp: 36843
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 42.022 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 95 Resp: 107610
Ion Ratio Lower Upper
95 100
174 83.6 0.0 157.8
176 78.2 0.0 154.0

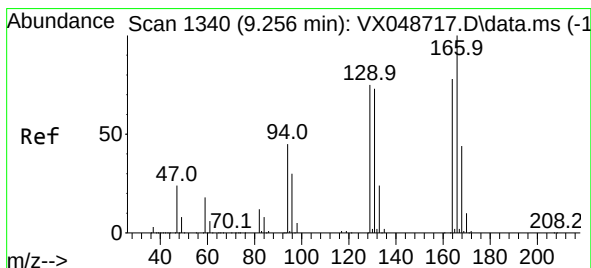
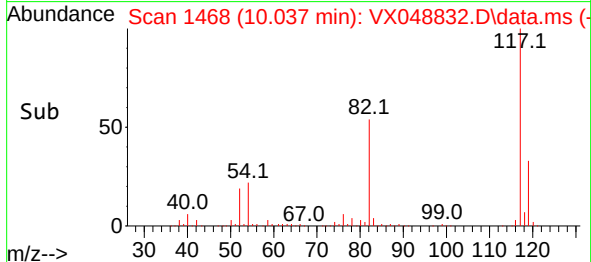
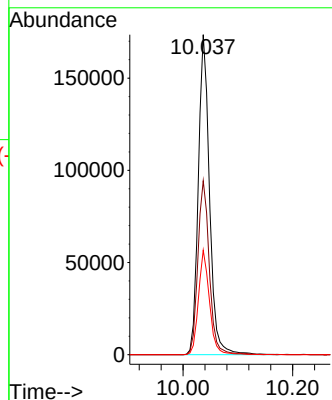
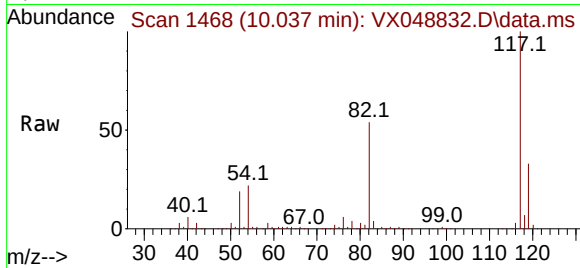




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

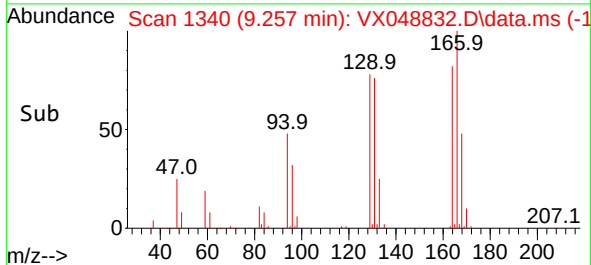
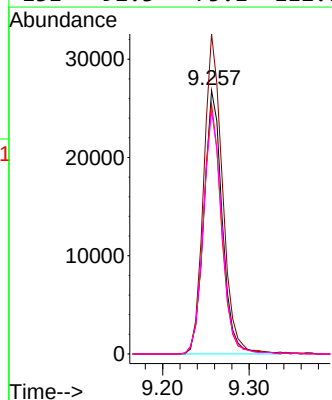
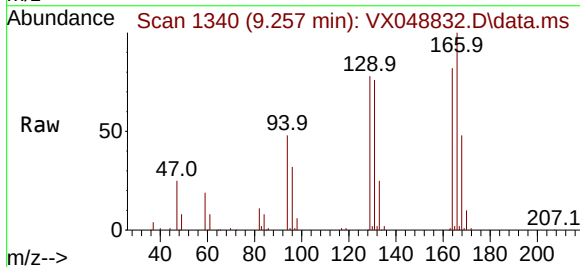
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

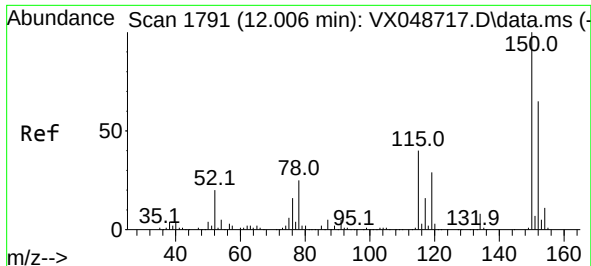
Tgt Ion:117 Resp: 247986
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 32.7 25.2 37.8



#64
Tetrachloroethene
Concen: 21.758 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion:164 Resp: 39330
Ion Ratio Lower Upper
164 100
166 121.4 103.1 154.7
129 95.0 76.9 115.3
131 92.3 75.1 112.7

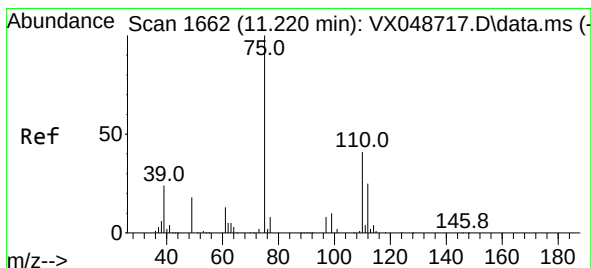
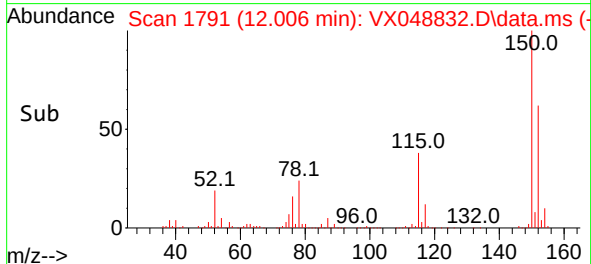
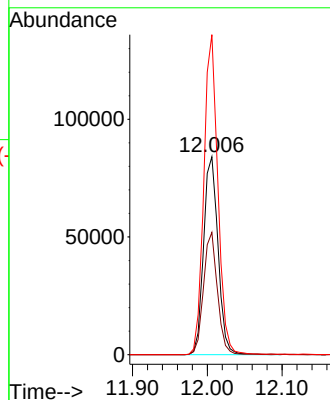
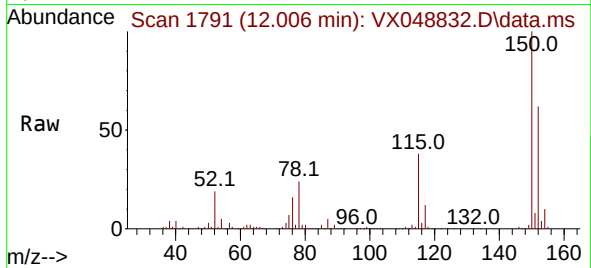




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

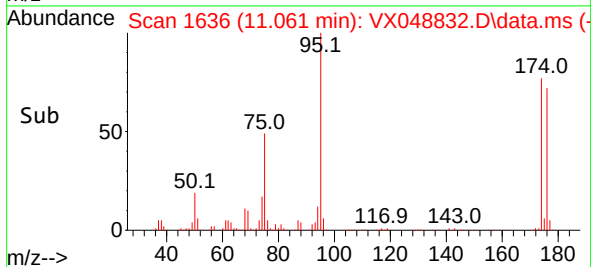
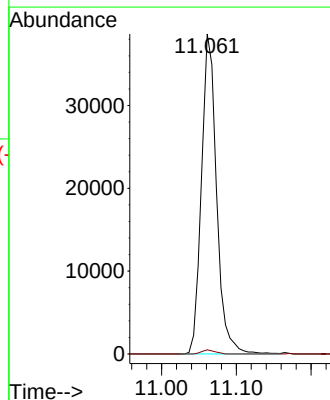
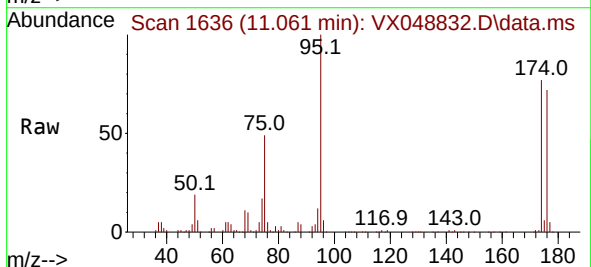
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

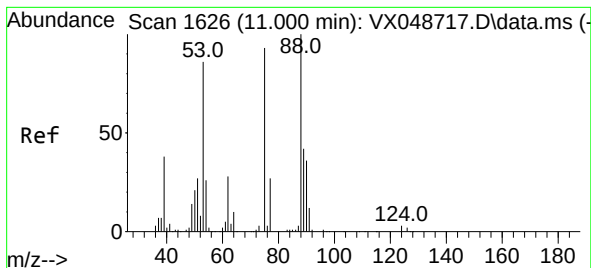
Tgt Ion:152 Resp: 112926
Ion Ratio Lower Upper
152 100
115 59.6 42.1 126.4
150 157.1 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 25.843 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 75 Resp: 54355
Ion Ratio Lower Upper
75 100
77 1.1 24.3 73.0#

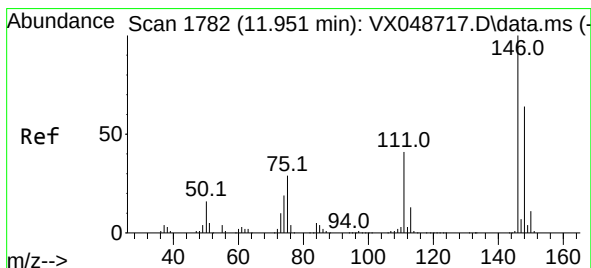
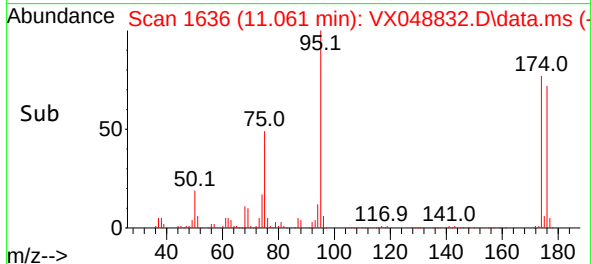
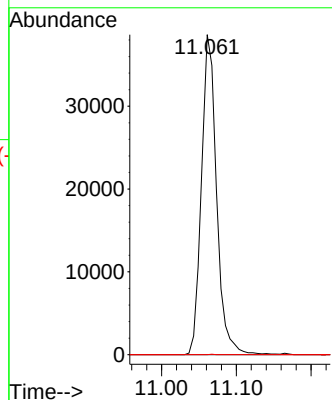
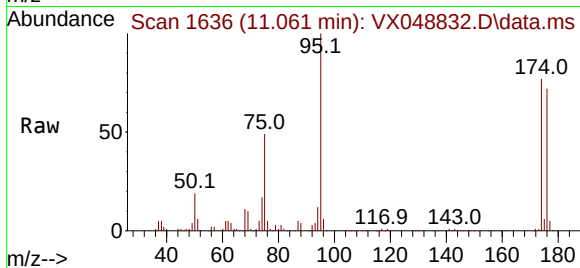




#81
trans-1,4-Dichloro-2-butene
Concen: 61.387 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

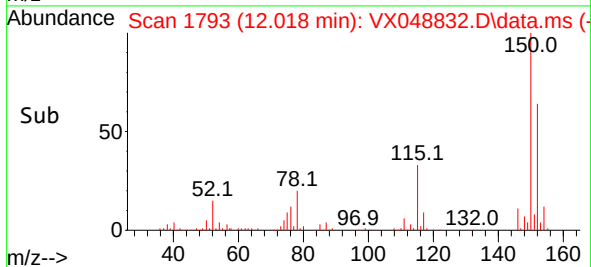
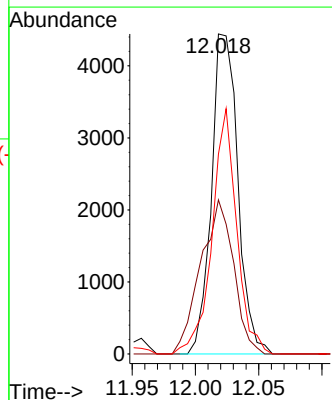
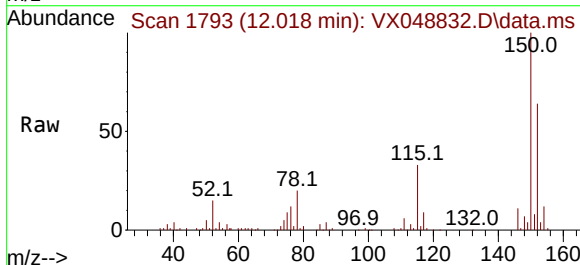
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

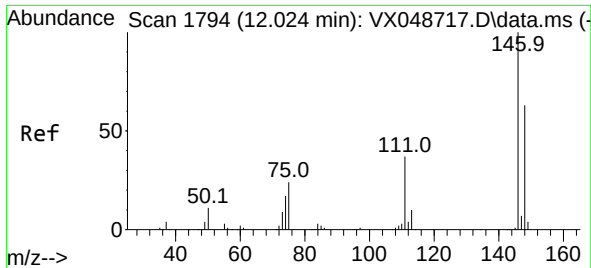
Tgt Ion: 75 Resp: 54355
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#87
1,3-Dichlorobenzene
Concen: 1.725 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.067 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 146 Resp: 6458
Ion Ratio Lower Upper
146 100
111 59.9 20.3 60.8
148 71.3 32.1 96.5

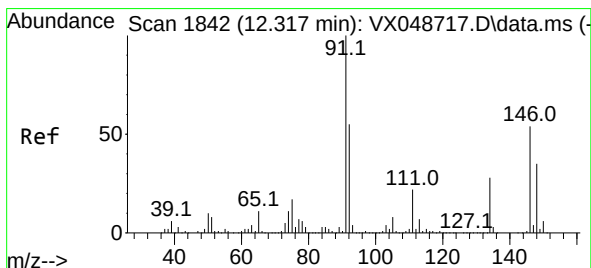
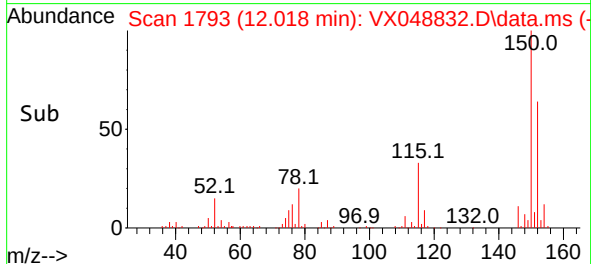
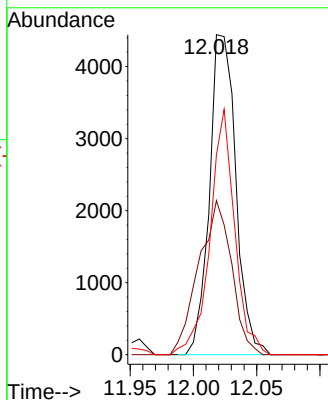
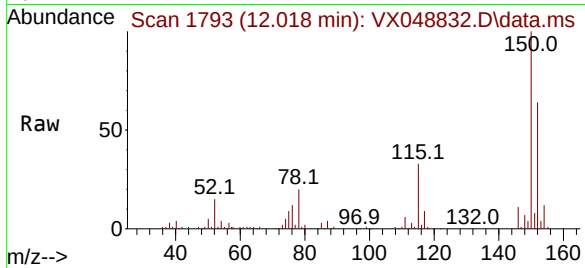




#88
1,4-Dichlorobenzene
Concen: 1.669 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

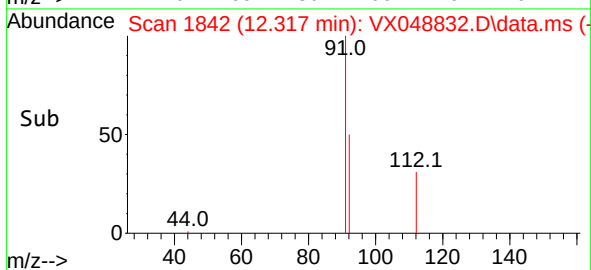
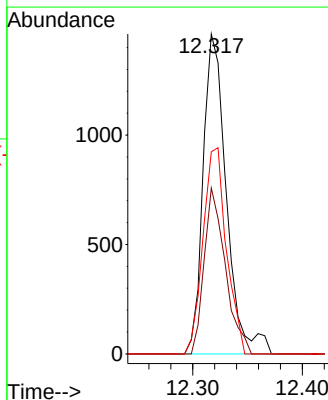
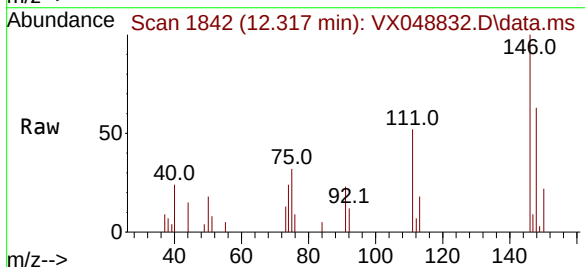
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

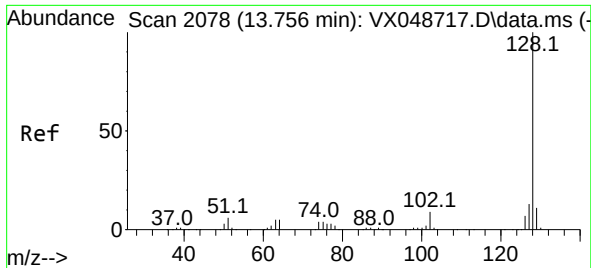
Tgt Ion:146 Resp: 6458
Ion Ratio Lower Upper
146 100
111 59.9 19.6 58.7#
148 71.3 31.6 94.7



#91
1,2-Dichlorobenzene
Concen: 0.595 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion:146 Resp: 2160
Ion Ratio Lower Upper
146 100
111 47.1 20.8 62.5
148 64.7 32.0 96.0





#95

Naphthalene

Concen: Below Cal

RT: 13.768 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX048832.D

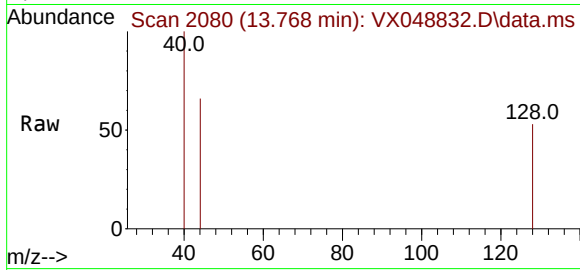
Acq: 11 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-121025



Tgt Ion:128 Resp: 210

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 13.0#

