

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030833.D
 Acq On : 26 Aug 2022 18:36
 Operator : JC/MD
 Sample : N4262-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

Quant Time: Aug 27 02:41:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

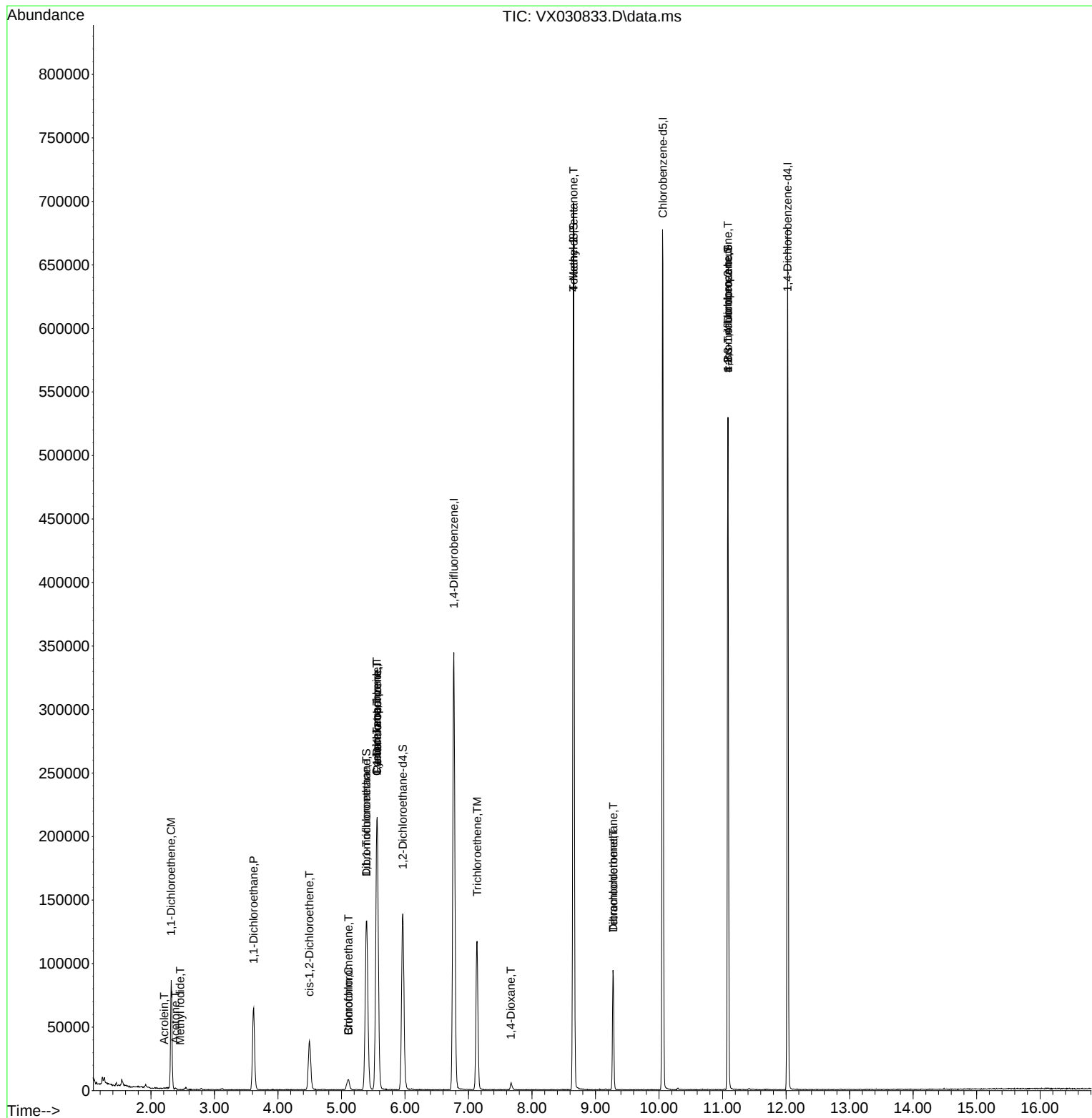
Internal Standards						
1) Pentafluorobenzene	5.562	168	202923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	351211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	314814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	132858	55.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.320%			
35) Dibromofluoromethane	5.391	113	111077	51.461	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.920%			
50) Toluene-d8	8.653	98	412856	54.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.780%			
62) 4-Bromofluorobenzene	11.085	95	138546	49.476	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.960%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	166	Below Cal	#	42
4) Vinyl Chloride	1.374	62	101	Below Cal	#	43
6) Chloroethane	1.666	64	36	Below Cal	#	41
10) Methyl Iodide	2.459	142	32	4.048	ug/l #	45
12) 1,1-Dichloroethene	2.319	96	28054	15.251	ug/l	92
13) Acrolein	2.209	56	23	10.100	ug/l #	14
16) Acetone	2.386	43	1067	0.967	ug/l	92
17) Carbon Disulfide	2.501	76	265	Below Cal	#	74
20) Methylene Chloride	2.794	84	489	Below Cal	#	61
24) 1,1-Dichloroethane	3.617	63	72559	18.725	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	25039	10.257	ug/l	93
28) Bromochloromethane	5.111	49	747	0.448	ug/l #	12
30) Chloroform	5.111	83	10801	2.648	ug/l	91
31) Cyclohexane	5.556	56	4504	1.476	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	9316	2.825	ug/l	100
36) 1,1-Dichloropropene	5.556	75	16310	5.549	ug/l #	48
38) Carbon Tetrachloride	5.556	117	21609	6.970	ug/l #	18
44) Trichloroethene	7.135	130	45710	17.992	ug/l	94
49) 1,4-Dioxane	7.665	88	4083	63.273	ug/l	94
51) 4-Methyl-2-Pentanone	8.653	43	1751	0.495	ug/l #	1
60) Dibromochloromethane	9.281	129	16994	6.681	ug/l #	11
64) Tetrachloroethene	9.281	164	17613	7.102	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	69864	23.819	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	69864	76.850	ug/l #	13

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

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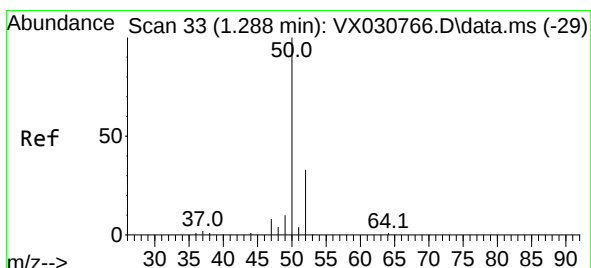
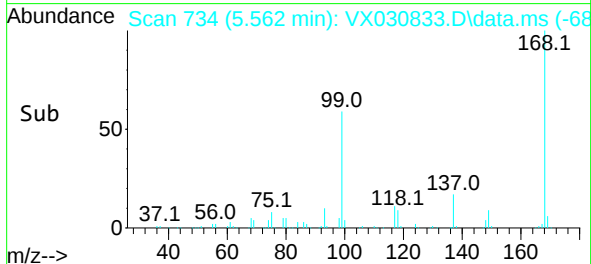
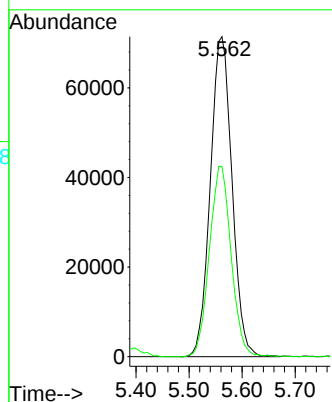
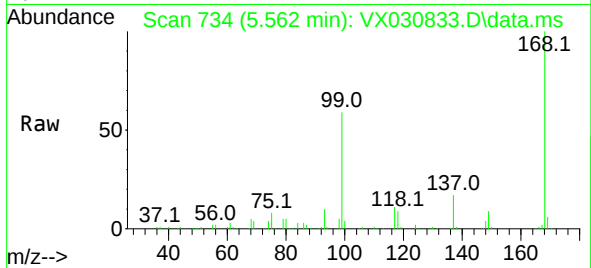




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

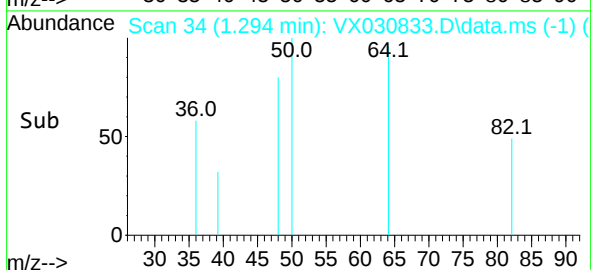
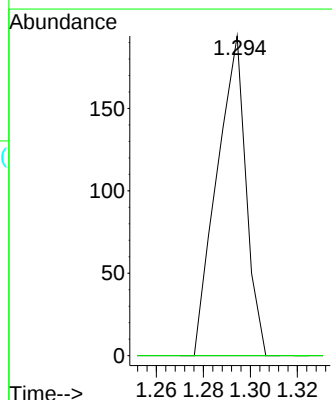
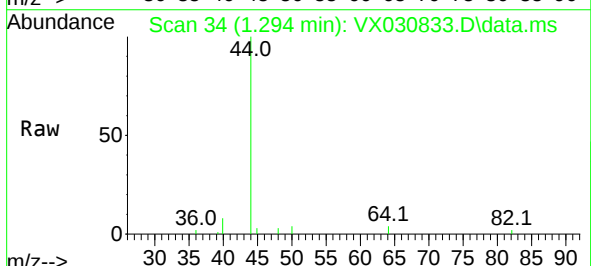
Instrument :
MSVOA_X
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MW-101D

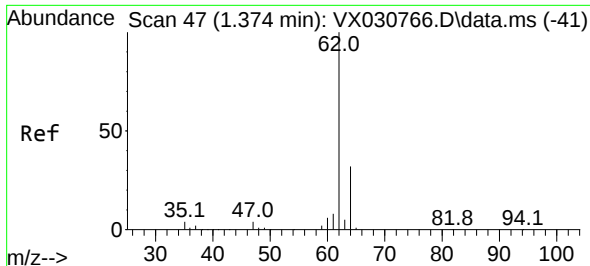
Tgt Ion:168 Resp: 202923
Ion Ratio Lower Upper
168 100
99 59.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 50 Resp: 166
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

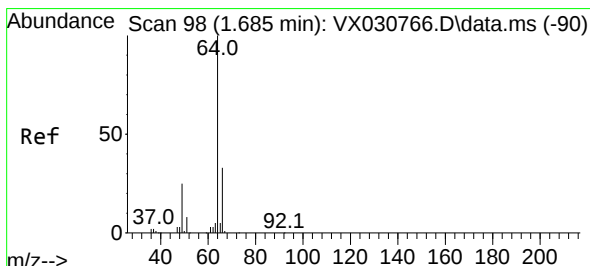
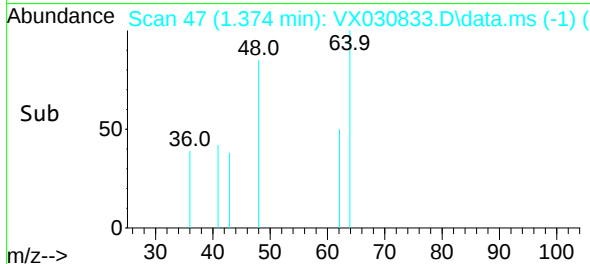
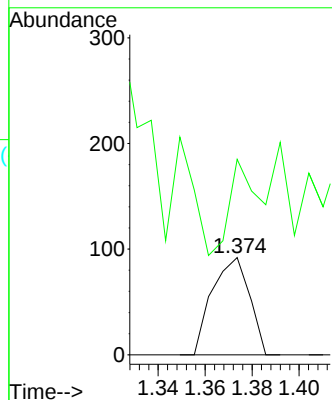
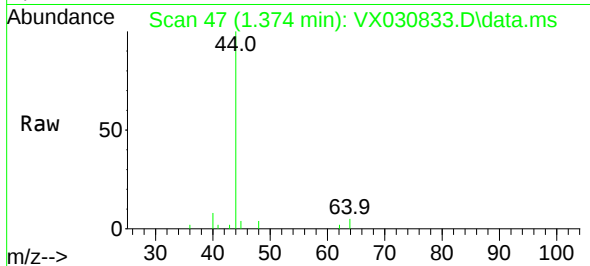




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030833.D
 Acq: 26 Aug 2022 18:36

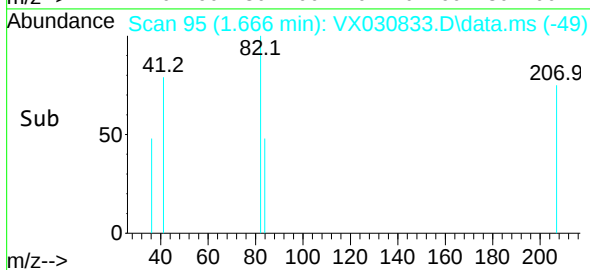
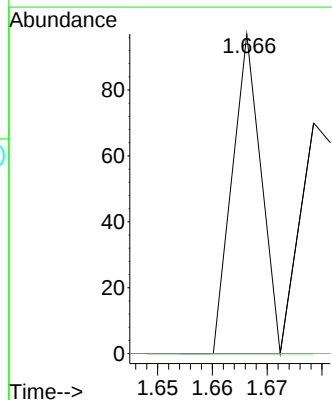
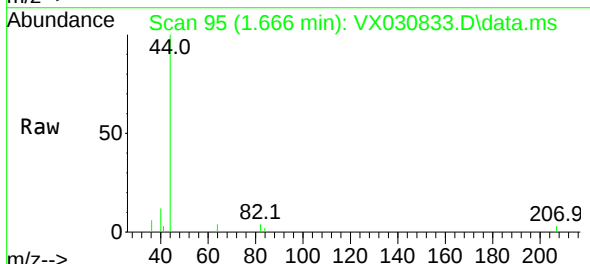
Instrument :
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 ClientSampleId :
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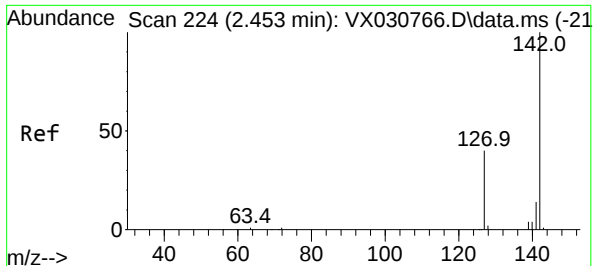
Tgt Ion: 62 Resp: 101
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#6
 Chloroethane
 Concen: Below Cal
 RT: 1.666 min Scan# 95
 Delta R.T. -0.019 min
 Lab File: VX030833.D
 Acq: 26 Aug 2022 18:36

Tgt Ion: 64 Resp: 36
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#

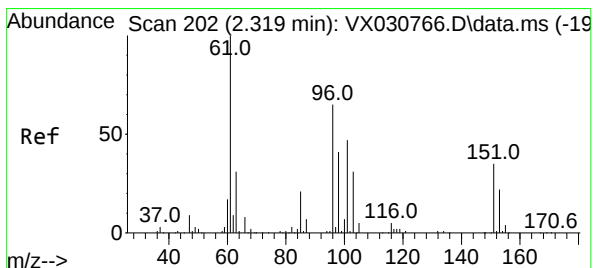
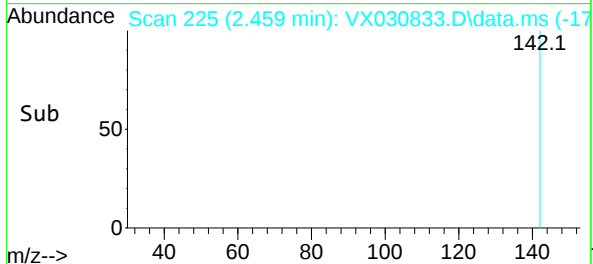
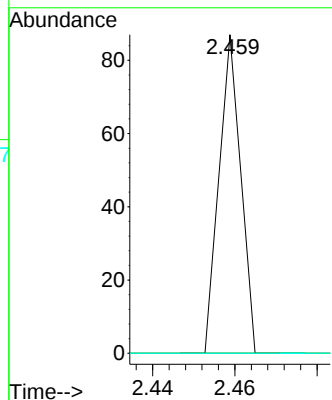
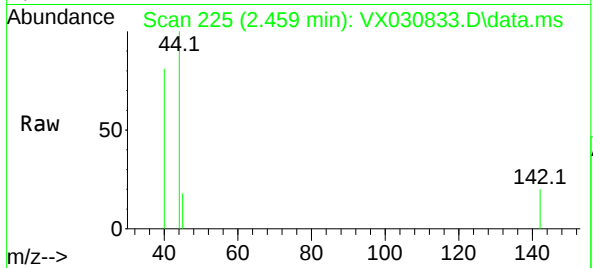




#10
Methyl Iodide
Concen: 4.048 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

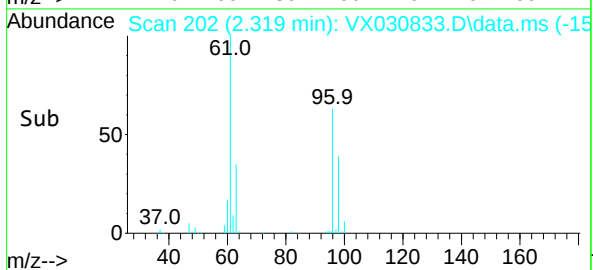
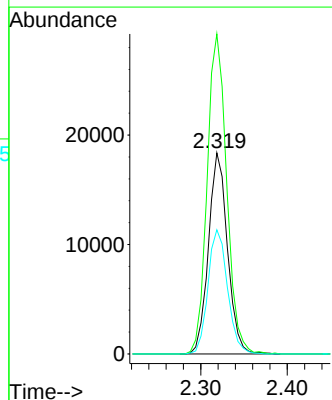
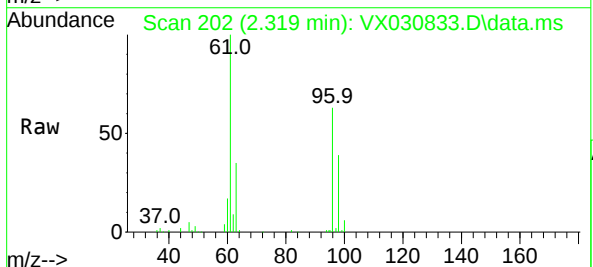
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

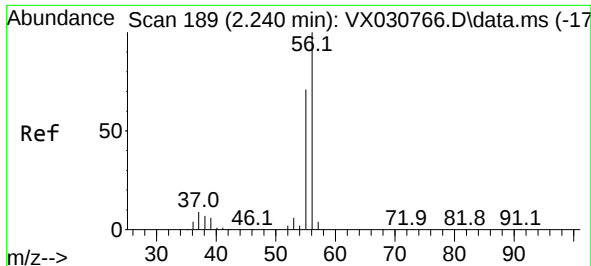
Tgt Ion:142 Resp: 32
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 15.251 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 96 Resp: 28054
Ion Ratio Lower Upper
96 100
61 159.1 117.4 176.0
98 61.7 52.2 78.4

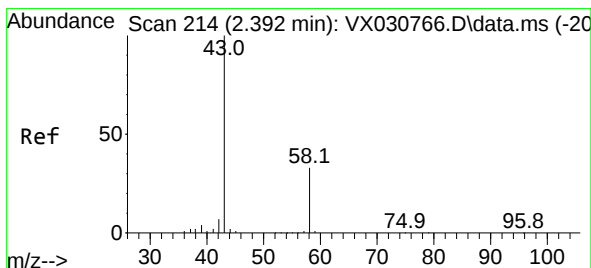
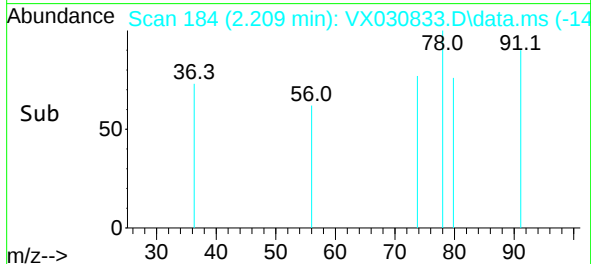
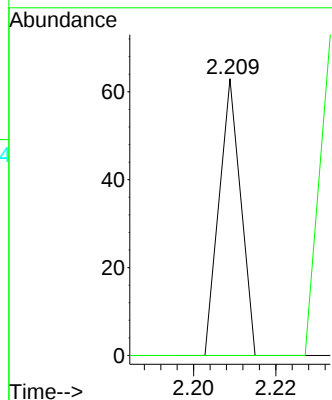
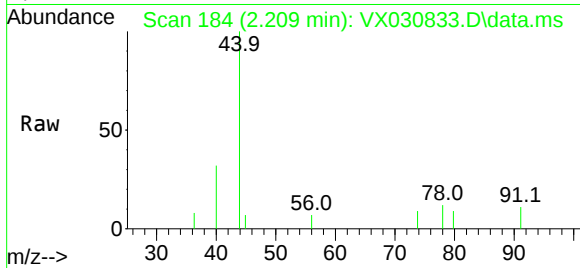




#13
Acrolein
Concen: 10.100 ug/l
RT: 2.209 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

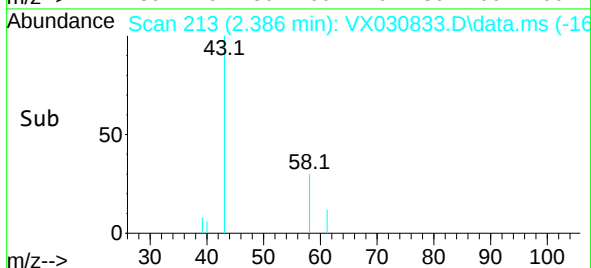
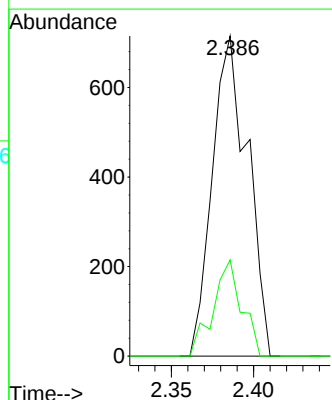
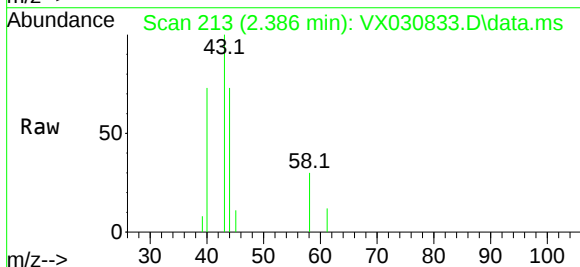
Instrument :
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ClientSampleId :
MW-101D

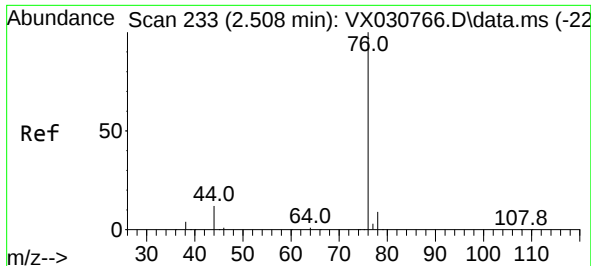
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 0.967 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
58 30.1 27.7 41.5

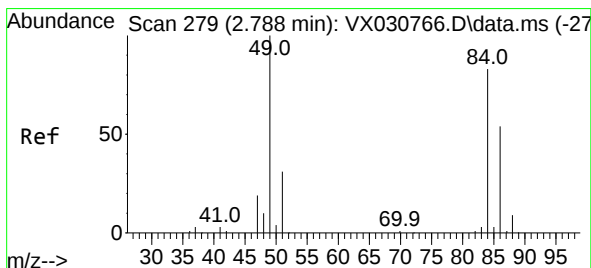
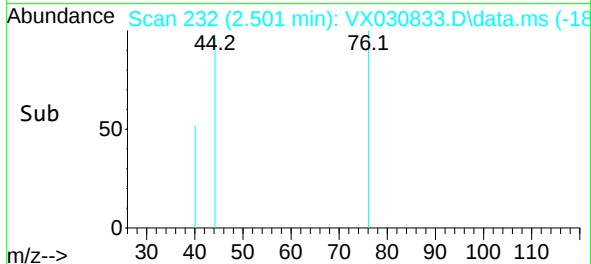
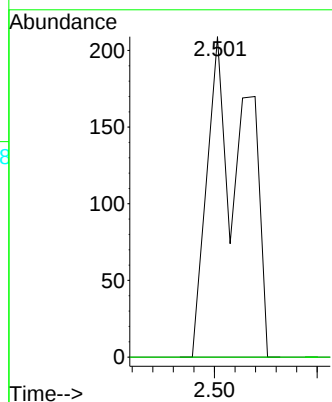
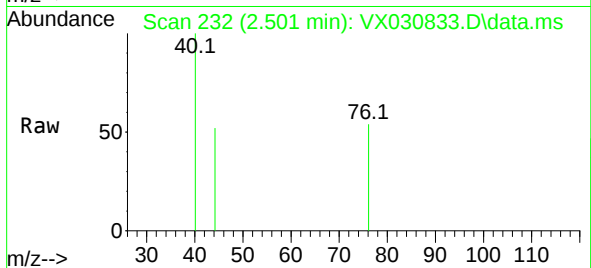




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.501 min Scan# 21
Delta R.T. -0.007 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

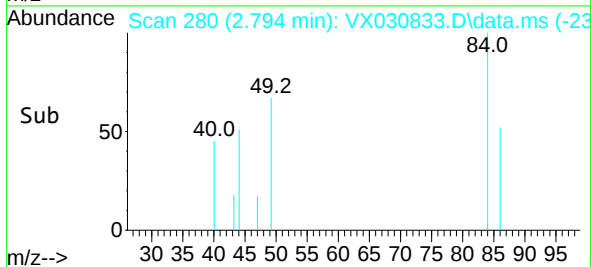
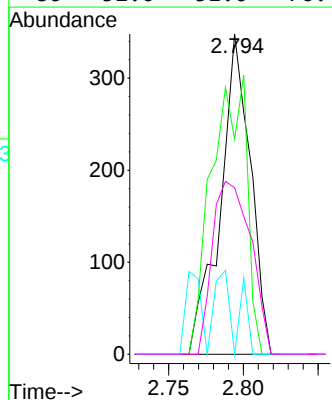
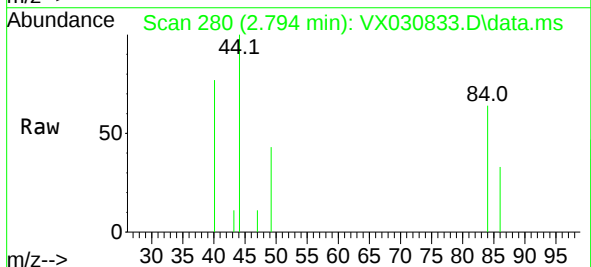
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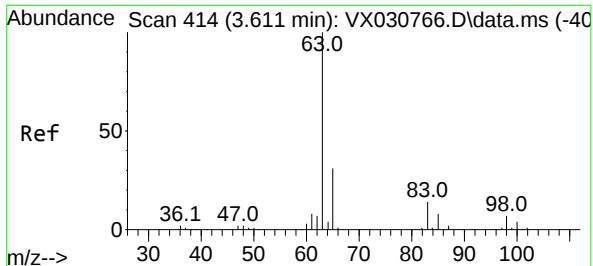
Tgt Ion: 76 Resp: 265
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 84 Resp: 489
Ion Ratio Lower Upper
84 100
49 67.2 93.8 140.6#
51 0.0 29.4 44.0#
86 52.0 51.0 76.4

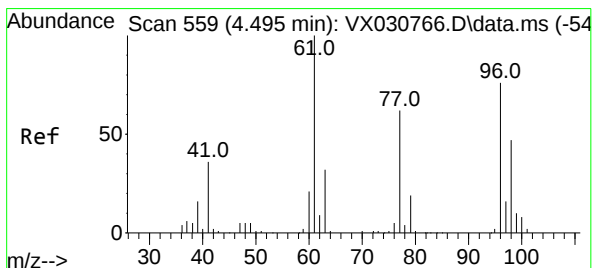
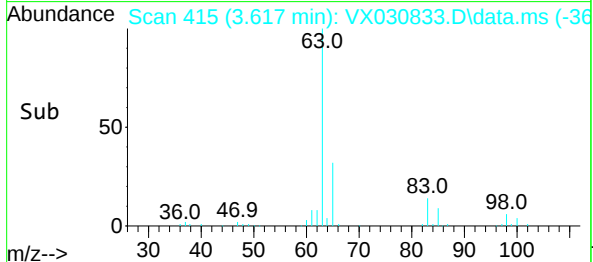
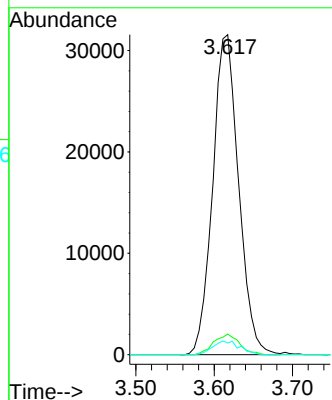
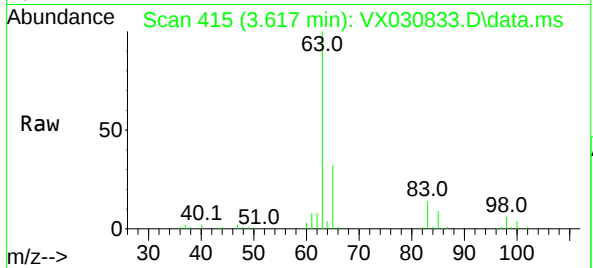




#24
 1,1-Dichloroethane
 Concen: 18.725 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX030833.D
 Acq: 26 Aug 2022 18:36

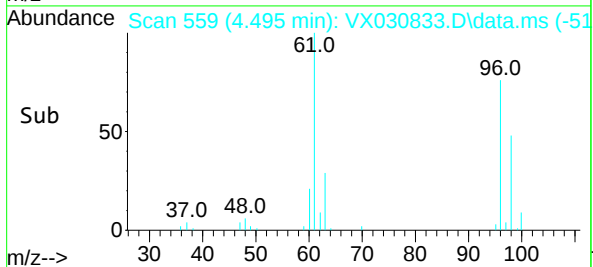
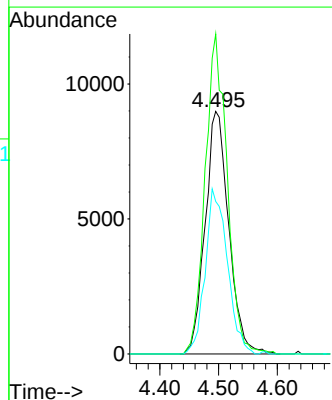
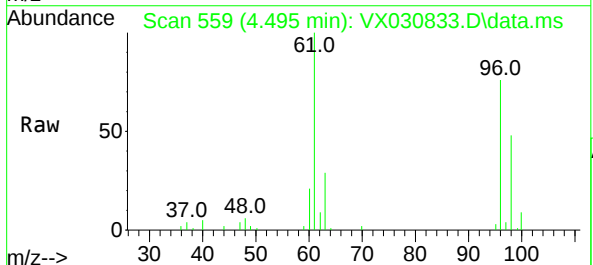
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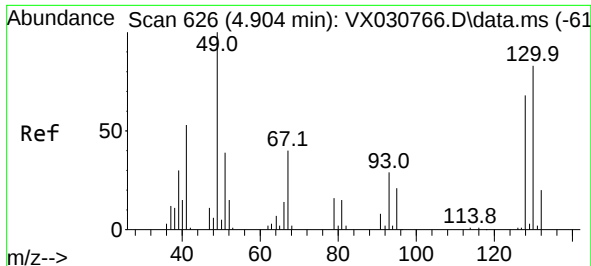
Tgt Ion: 63 Resp: 72559
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 3.7 2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 10.257 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.000 min
 Lab File: VX030833.D
 Acq: 26 Aug 2022 18:36

Tgt Ion: 96 Resp: 25039
 Ion Ratio Lower Upper
 96 100
 61 123.2 0.0 270.0
 98 63.7 0.0 127.8

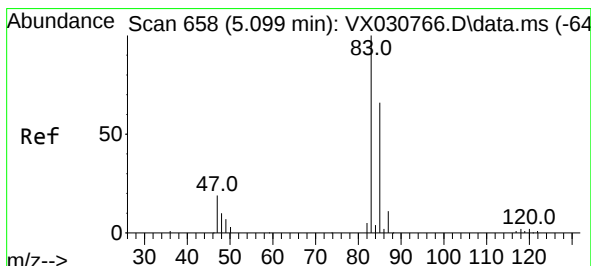
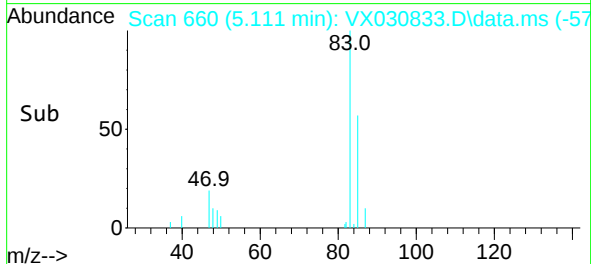
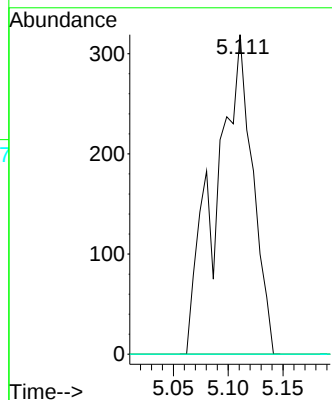
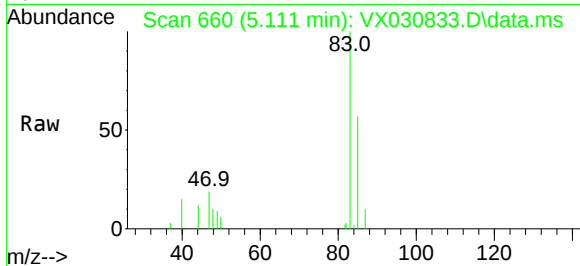




#28
Bromochloromethane
Concen: 0.448 ug/l
RT: 5.111 min Scan# 60
Delta R.T. 0.207 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

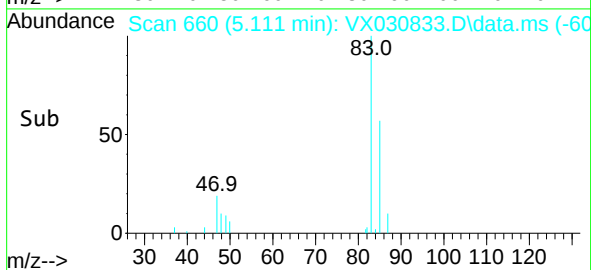
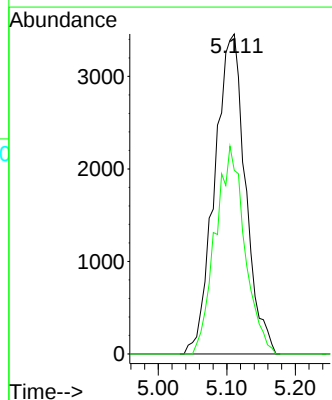
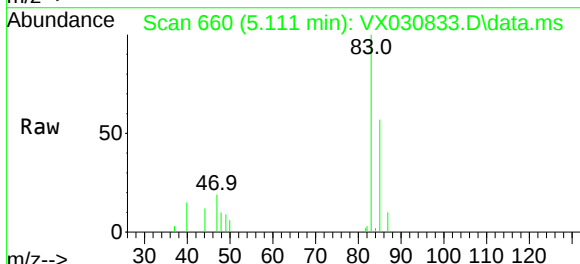
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

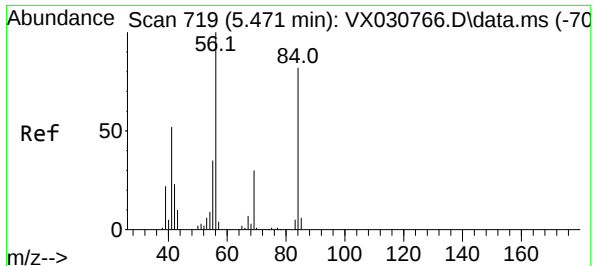
Tgt Ion: 49 Resp: 747
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 62.8 94.2#



#30
Chloroform
Concen: 2.648 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.012 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 83 Resp: 10801
Ion Ratio Lower Upper
83 100
85 57.4 51.5 77.3

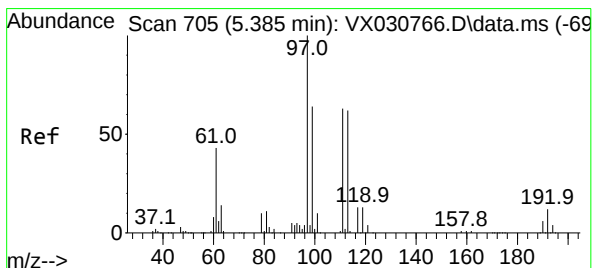
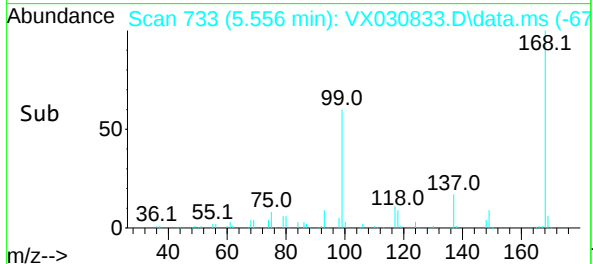
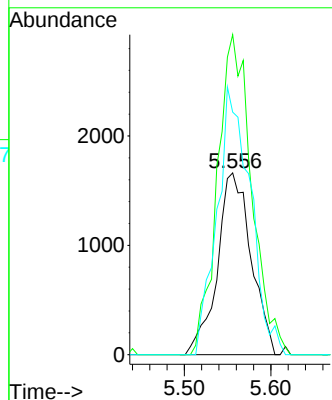
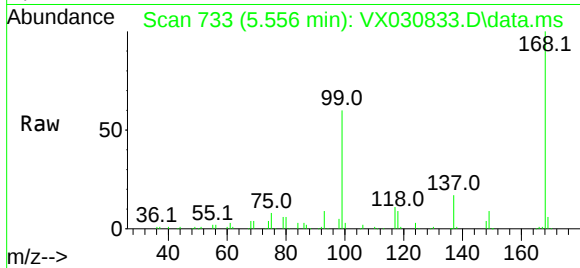




#31
Cyclohexane
Concen: 1.476 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

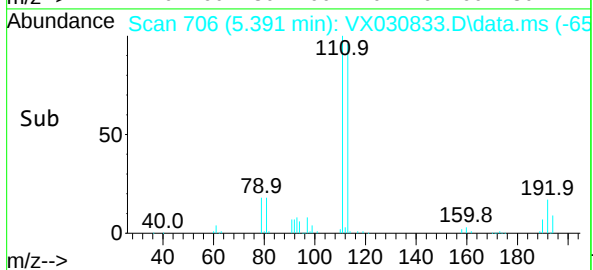
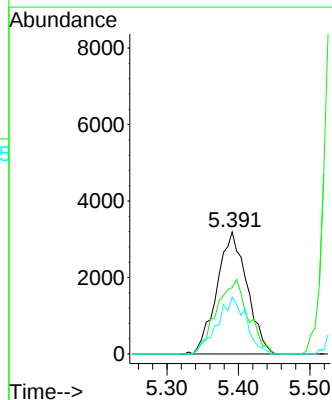
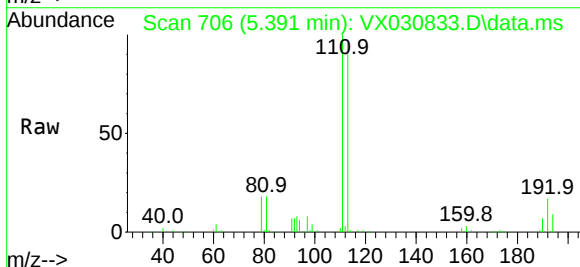
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

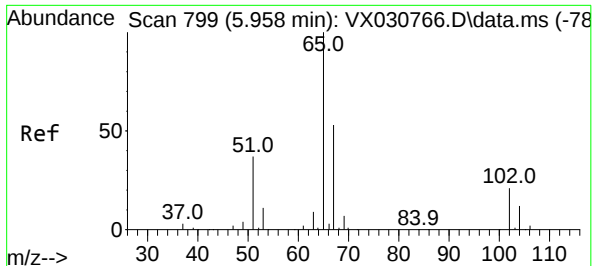
Tgt Ion: 56 Resp: 4504
Ion Ratio Lower Upper
56 100
69 176.1 25.4 38.0#
84 133.5 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 2.825 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 97 Resp: 9316
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 45.1 35.8 53.8

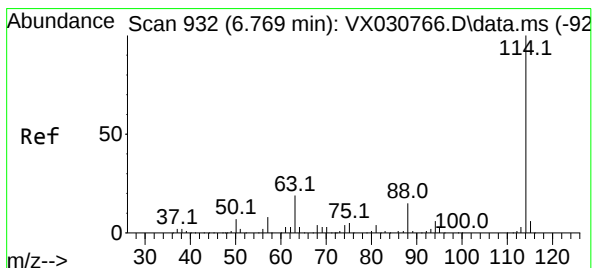
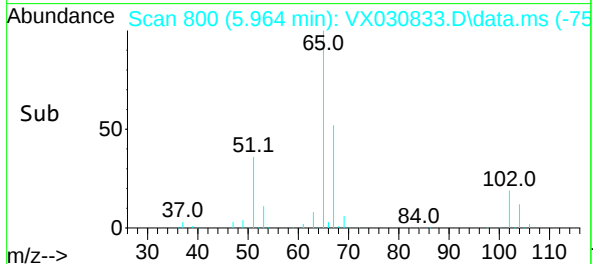
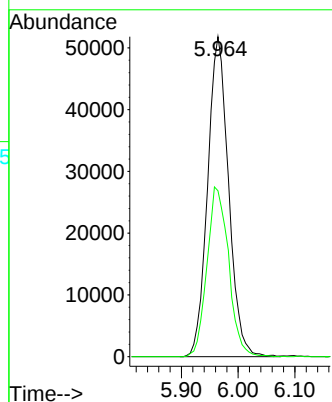
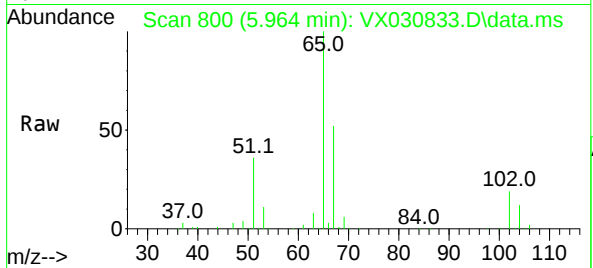




#33
1,2-Dichloroethane-d4
Concen: 55.661 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

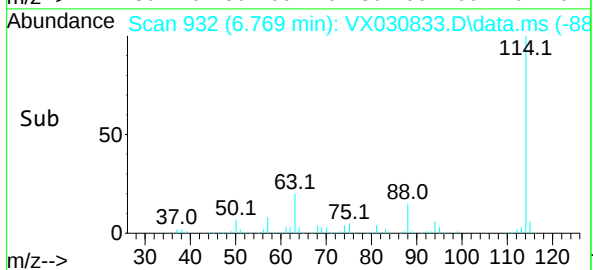
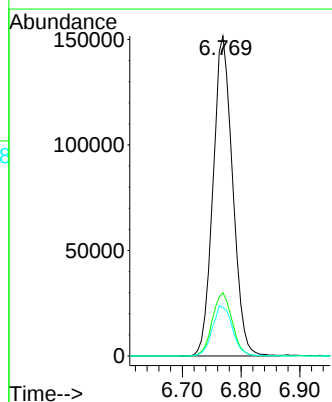
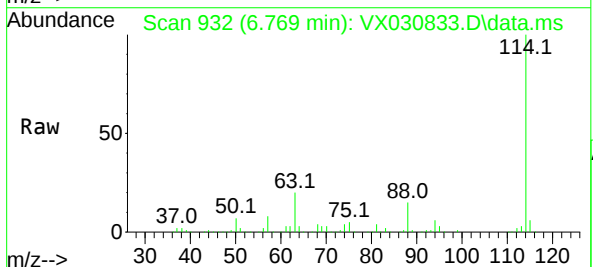
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

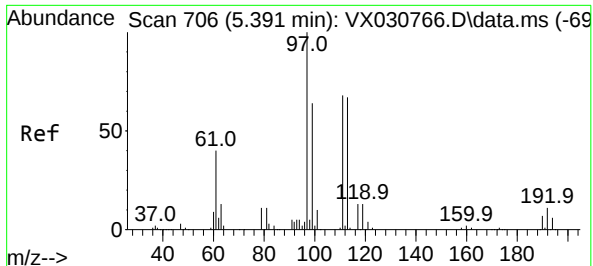
Tgt Ion: 65 Resp: 132858
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 114 Resp: 351211
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.461 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030833.D

Acq: 26 Aug 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-101D

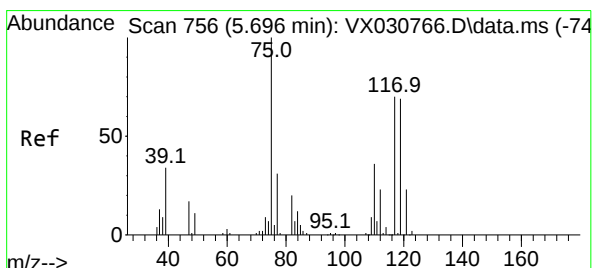
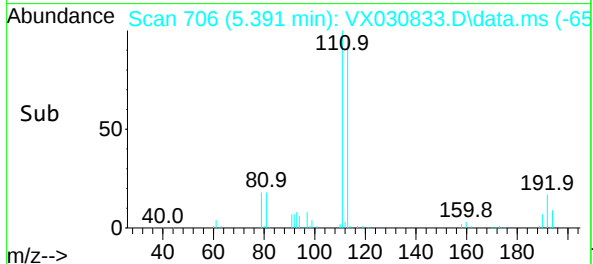
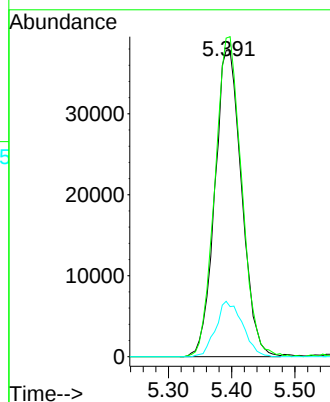
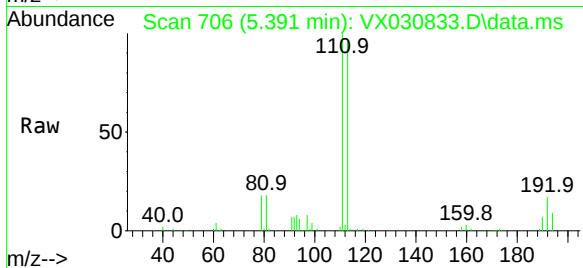
Tgt Ion:113 Resp: 111077

Ion Ratio Lower Upper

113 100

111 104.3 83.2 124.8

192 18.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.549 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030833.D

Acq: 26 Aug 2022 18:36

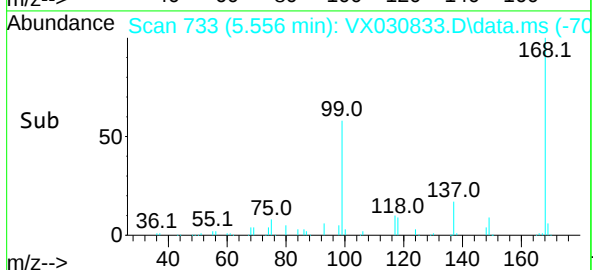
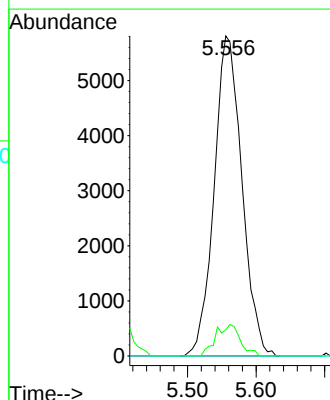
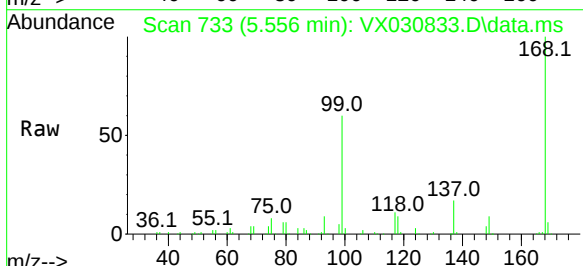
Tgt Ion: 75 Resp: 16310

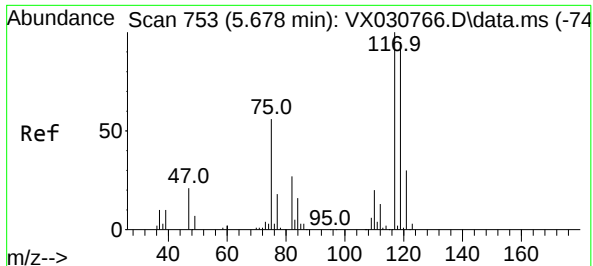
Ion Ratio Lower Upper

75 100

110 8.7 19.3 57.9#

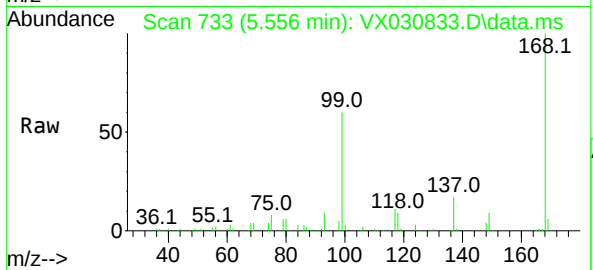
77 0.0 24.4 36.6#



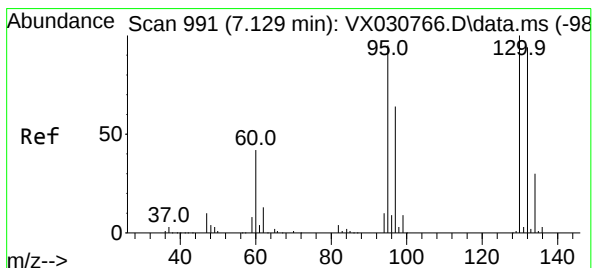
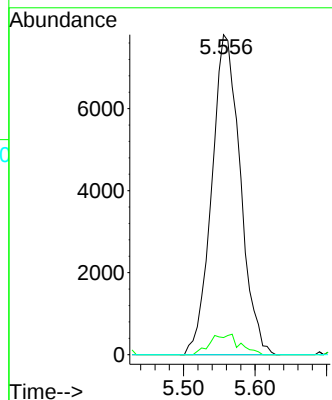
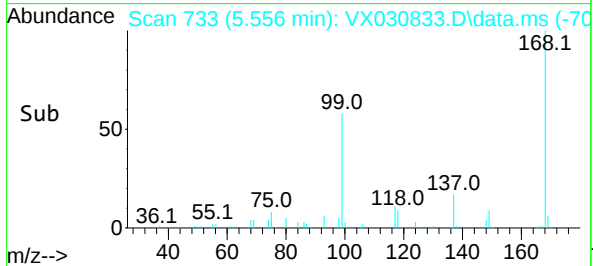


#38
Carbon Tetrachloride
Concen: 6.970 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Instrument :
MSVOA_X
ClientSampleId :
MW-101D

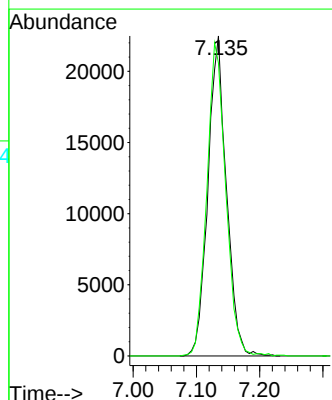
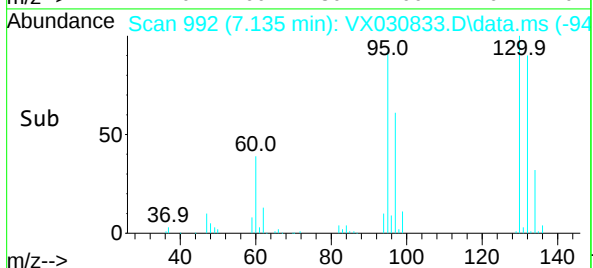
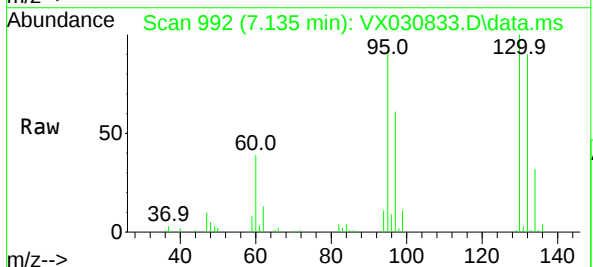


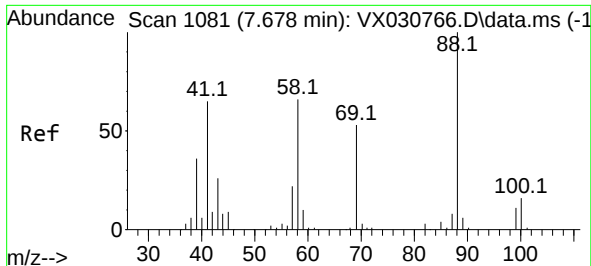
Tgt Ion:117 Resp: 21609
Ion Ratio Lower Upper
117 100
119 5.4 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 17.992 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion:130 Resp: 45710
Ion Ratio Lower Upper
130 100
95 91.5 0.0 194.8





#49

1,4-Dioxane

Concen: 63.273 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.013 min

Lab File: VX030833.D

Acq: 26 Aug 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-101D

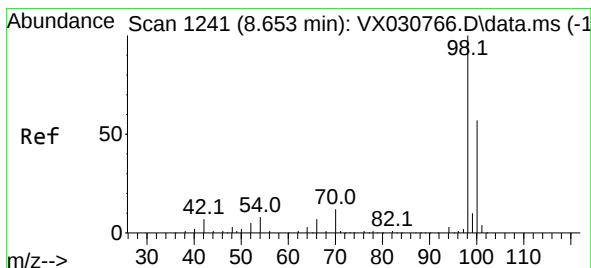
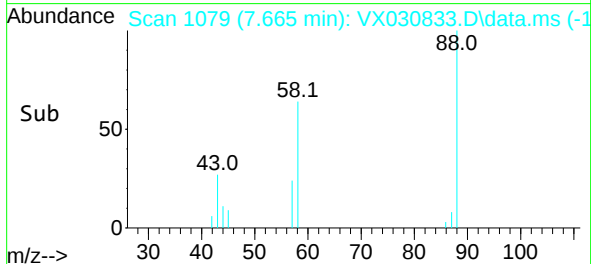
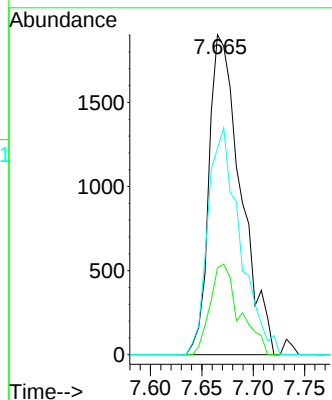
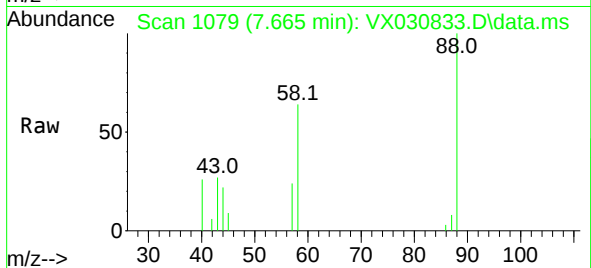
Tgt Ion: 88 Resp: 4083

Ion Ratio Lower Upper

88 100

43 26.4 23.8 35.8

58 71.8 53.8 80.6



#50

Toluene-d8

Concen: 54.889 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030833.D

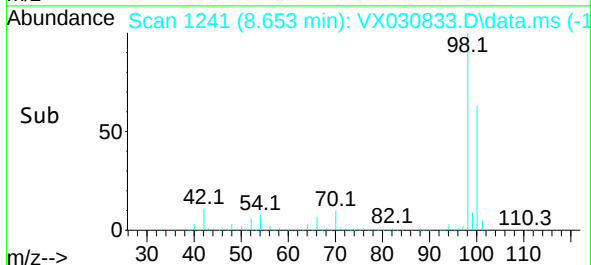
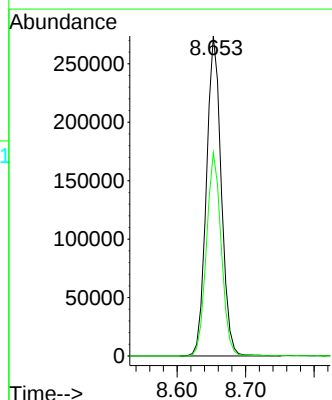
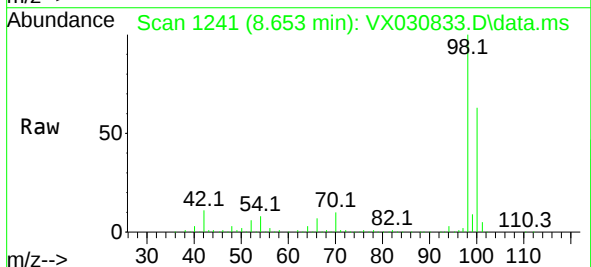
Acq: 26 Aug 2022 18:36

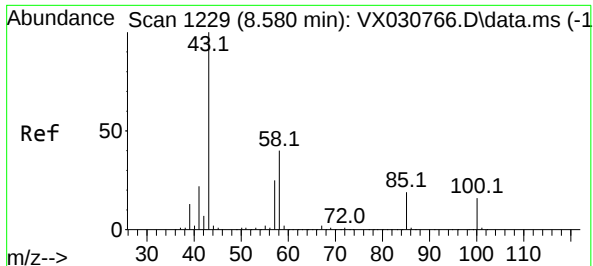
Tgt Ion: 98 Resp: 412856

Ion Ratio Lower Upper

98 100

100 63.3 52.3 78.5

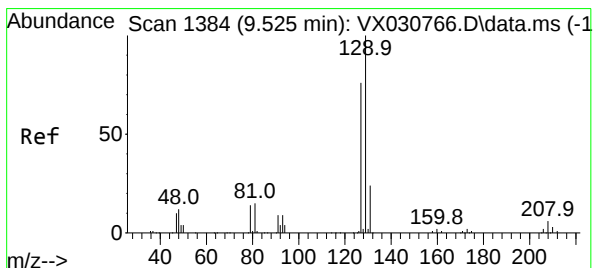
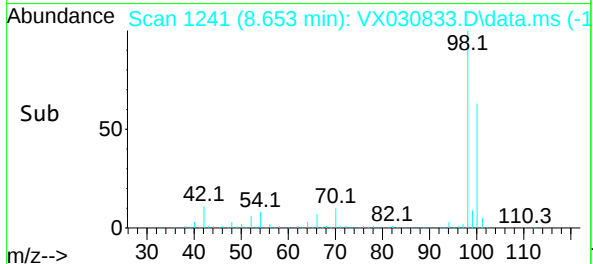
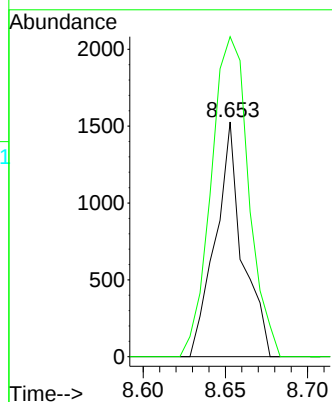
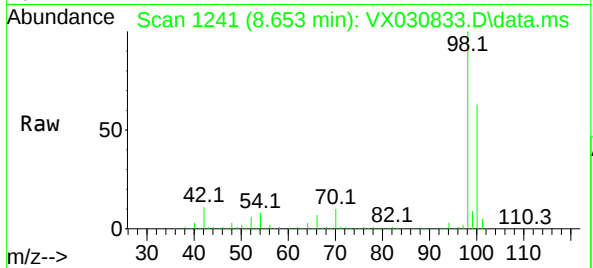




#51
4-Methyl-2-Pentanone
Concen: 0.495 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

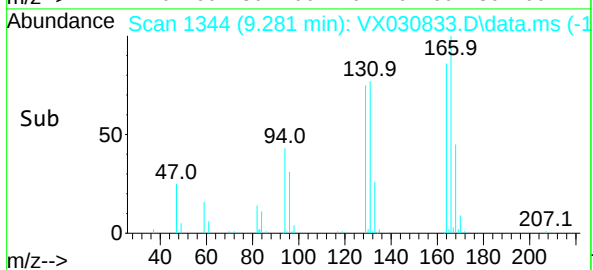
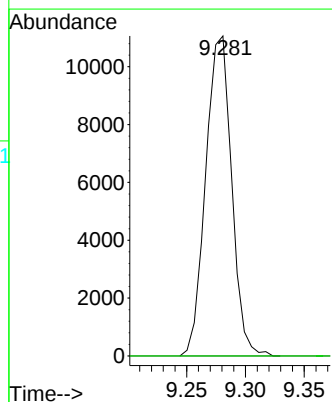
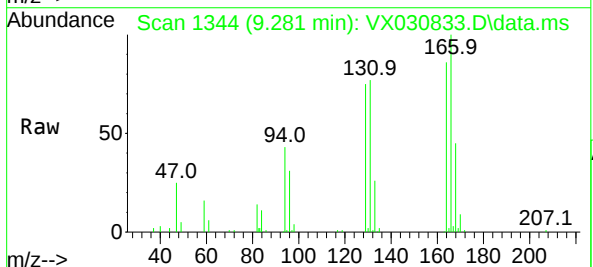
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

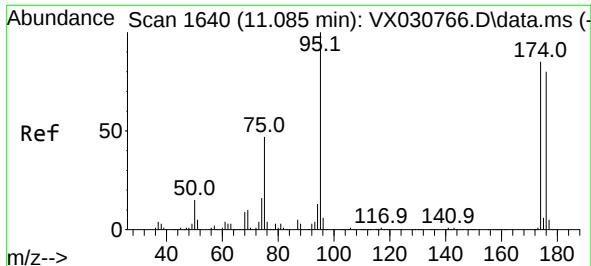
Tgt Ion: 43 Resp: 1751
Ion Ratio Lower Upper
43 100
58 189.1 31.4 47.2#



#60
Dibromochloromethane
Concen: 6.681 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 129 Resp: 16994
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

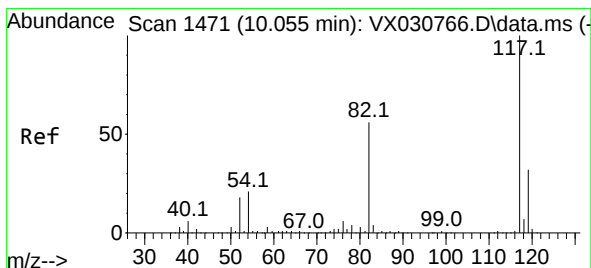
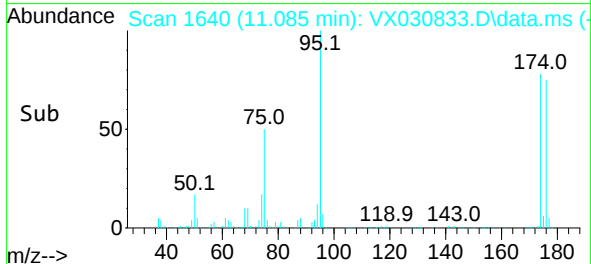
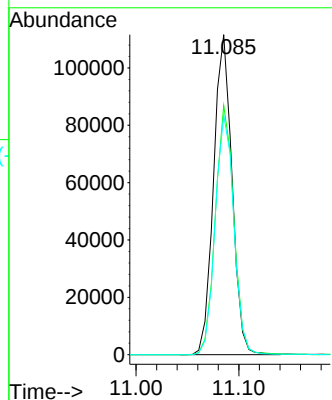
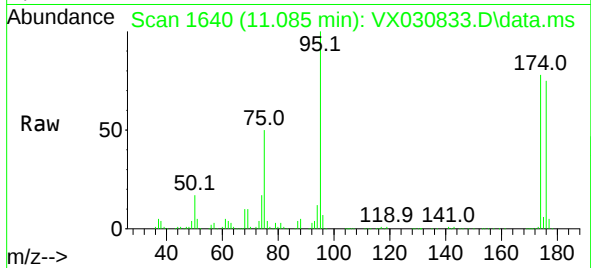




#62
4-Bromofluorobenzene
Concen: 49.476 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

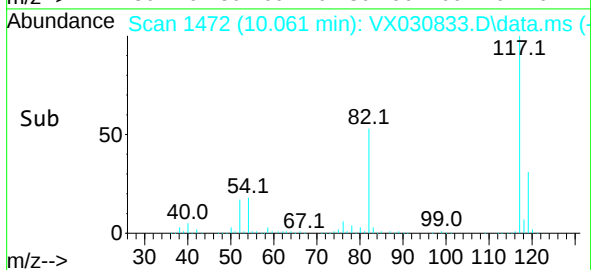
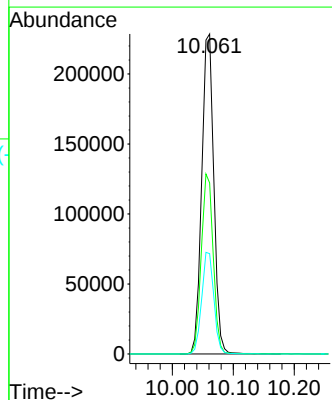
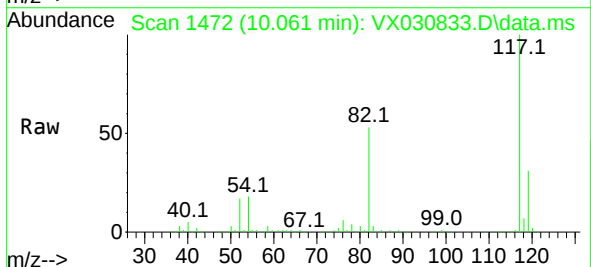
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

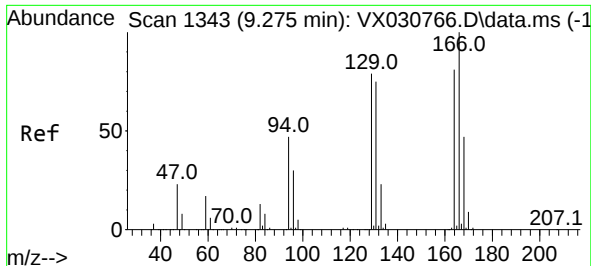
Tgt Ion: 95 Resp: 138546
Ion Ratio Lower Upper
95 100
174 78.2 0.0 149.0
176 76.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion: 117 Resp: 314814
Ion Ratio Lower Upper
117 100
82 53.5 42.7 64.1
119 31.3 25.4 38.2

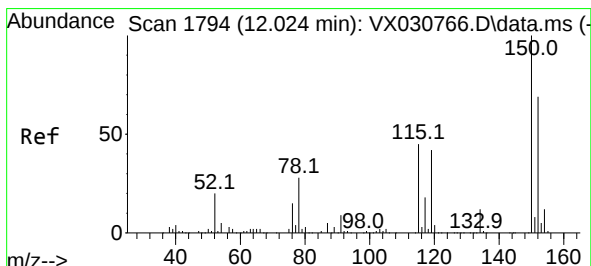
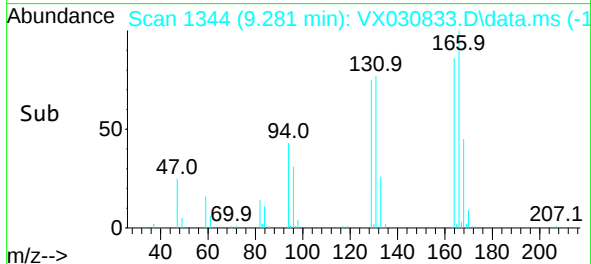
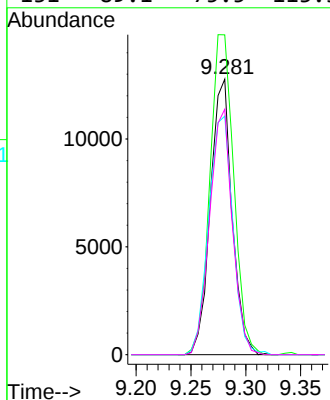
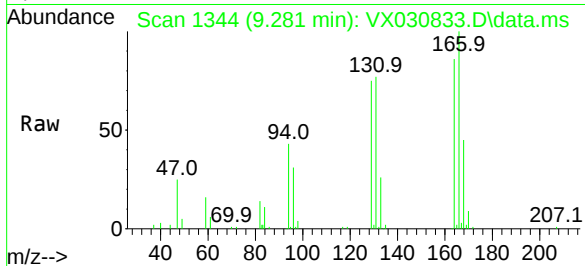




#64
Tetrachloroethene
Concen: 7.102 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

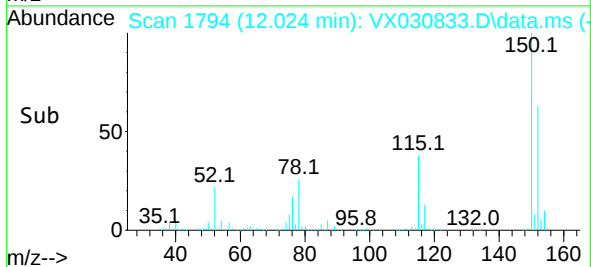
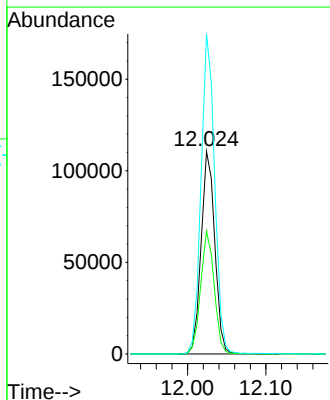
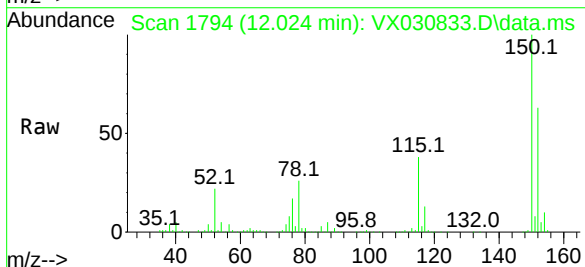
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

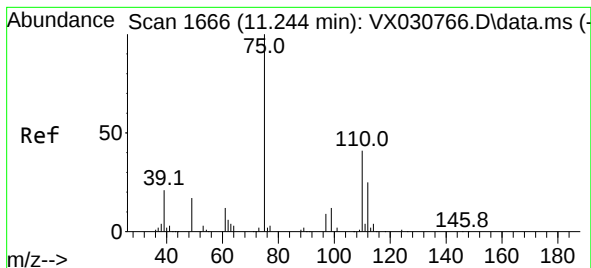
Tgt Ion:164 Resp: 17613
Ion Ratio Lower Upper
164 100
166 116.1 98.2 147.4
129 86.6 80.8 121.2
131 89.1 75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030833.D
Acq: 26 Aug 2022 18:36

Tgt Ion:152 Resp: 133880
Ion Ratio Lower Upper
152 100
115 60.2 40.5 121.5
150 157.5 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 23.819 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030833.D

Acq: 26 Aug 2022 18:36

Instrument :

MSVOA_X

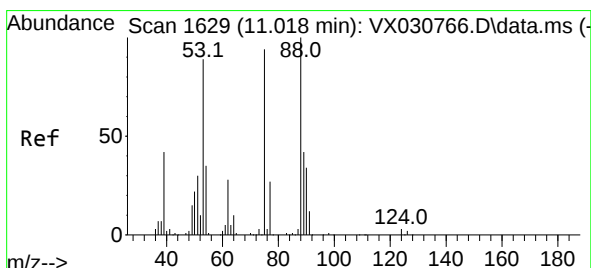
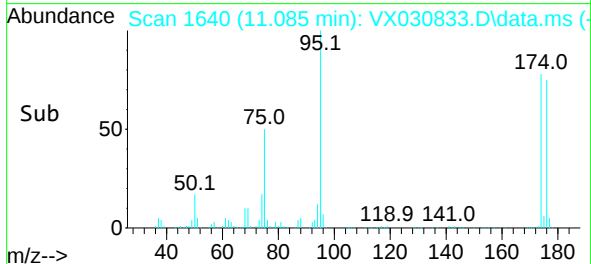
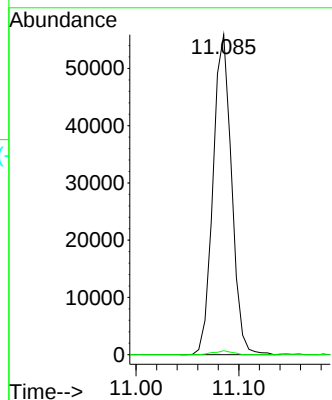
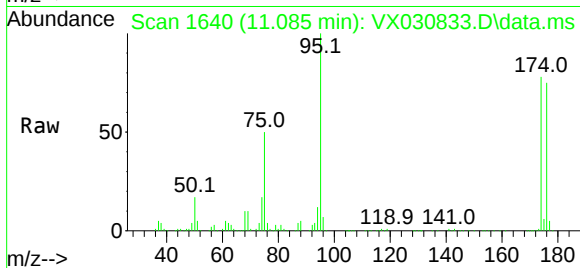
ClientSampleId :

MW-101D

Tgt Ion: 75 Resp: 69864

Ion Ratio Lower Upper

75 100
77 1.2 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.850 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX030833.D

Acq: 26 Aug 2022 18:36

Tgt Ion: 75 Resp: 69864

Ion Ratio Lower Upper

75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

