

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082522\
 Data File : VX030804.D
 Acq On : 26 Aug 2022 04:57
 Operator : JC/MD
 Sample : N4262-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

Quant Time: Aug 26 05:38:44 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)

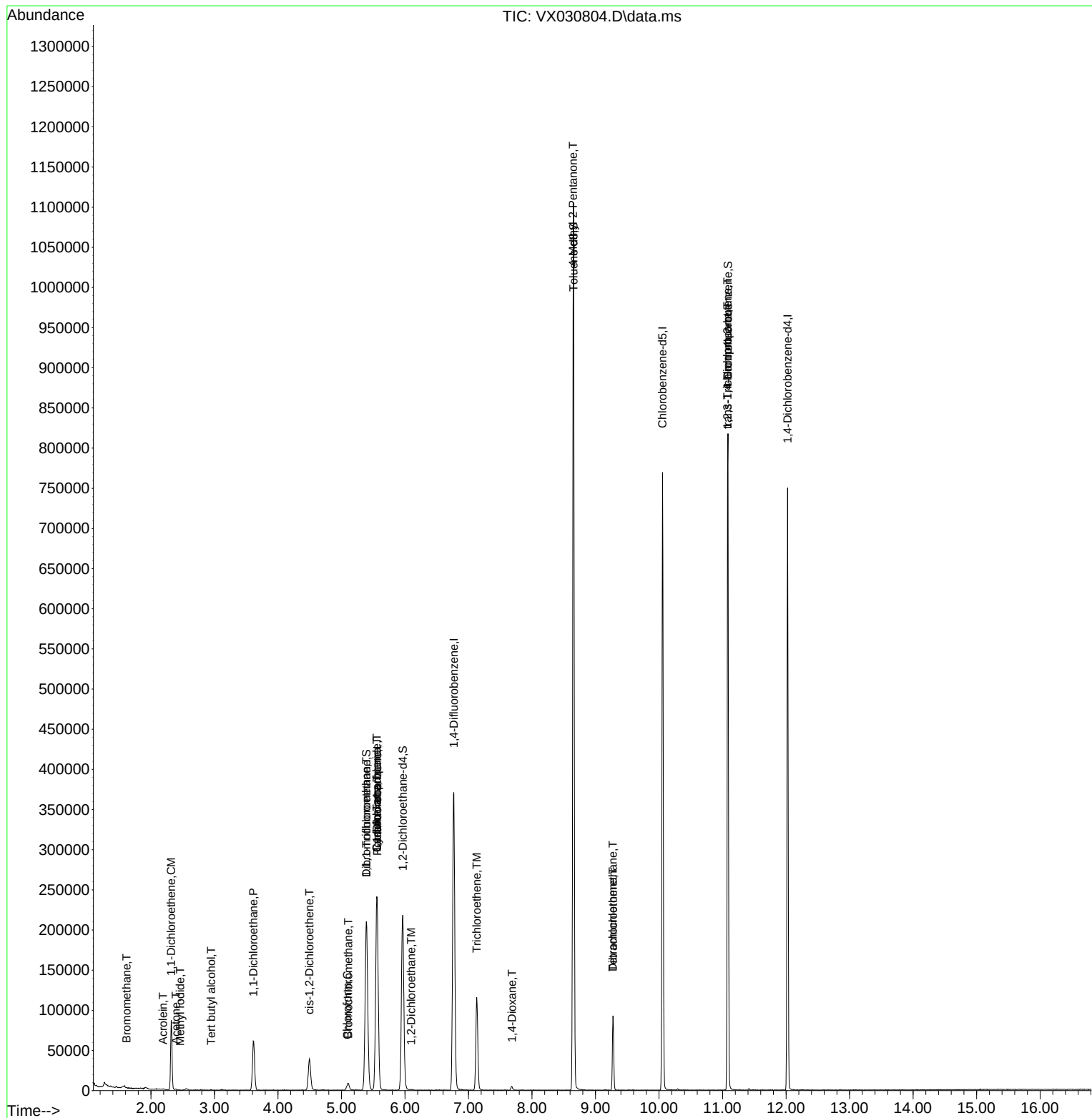
Internal Standards						
1) Pentafluorobenzene	5.562	168	234095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	389323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	354417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	207912	75.506	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 151.020%#			
35) Dibromofluoromethane	5.391	113	180492	75.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 150.860%#			
50) Toluene-d8	8.653	98	659563	79.105	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 158.220%#			
62) 4-Bromofluorobenzene	11.085	95	224018	72.167	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 144.340%#			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	302	Below Cal	#	42
4) Vinyl Chloride	1.374	62	41	Below Cal	#	79
5) Bromomethane	1.618	94	252	0.231	ug/l #	72
6) Chloroethane	1.685	64	246	Below Cal	#	41
10) Methyl Iodide	2.459	142	50	4.054	ug/l #	45
11) Tert butyl alcohol	2.947	59	234	0.391	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	29469	13.887	ug/l	95
13) Acrolein	2.191	56	50	10.143	ug/l #	14
16) Acetone	2.392	43	1140	0.896	ug/l	95
17) Carbon Disulfide	2.520	76	158	Below Cal	#	74
20) Methylene Chloride	2.800	84	394	Below Cal	#	62
24) 1,1-Dichloroethane	3.611	63	70243	15.713	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	25183	8.943	ug/l	92
28) Bromochloromethane	5.105	49	665	0.346	ug/l #	12
30) Chloroform	5.093	83	10532	2.238	ug/l	93
31) Cyclohexane	5.556	56	4351	1.236	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	8977	2.360	ug/l	99
36) 1,1-Dichloropropene	5.556	75	17804	5.464	ug/l #	48
38) Carbon Tetrachloride	5.556	117	23064	6.711	ug/l #	17
42) 1,2-Dichloroethane	6.098	62	886	0.256	ug/l #	73
44) Trichloroethene	7.129	130	45935	16.310	ug/l	98
49) 1,4-Dioxane	7.684	88	3732	52.172	ug/l #	91
51) 4-Methyl-2-Pentanone	8.647	43	2378	0.607	ug/l #	1
60) Dibromochloromethane	9.275	129	17447	6.188	ug/l #	11
64) Tetrachloroethene	9.275	164	17341	6.211	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	110272	32.880	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	110272	106.086	ug/l #	13

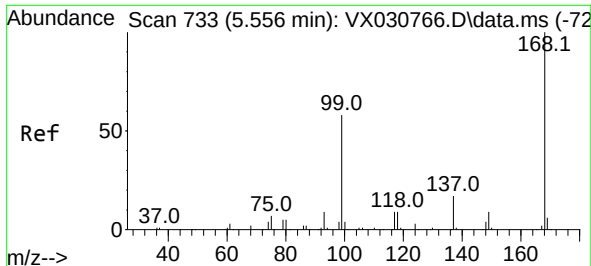
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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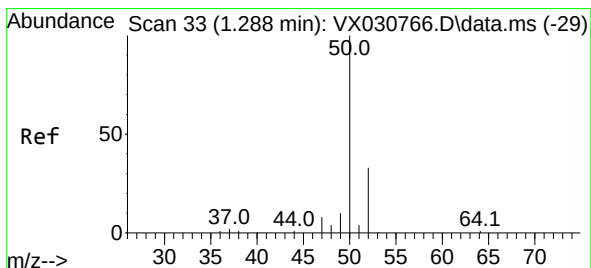
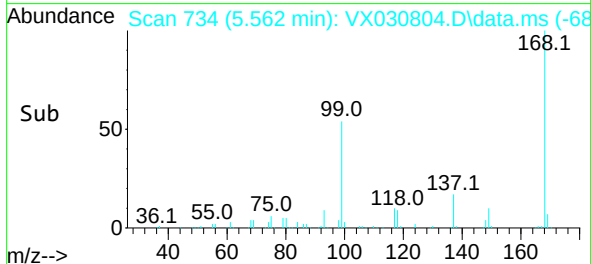
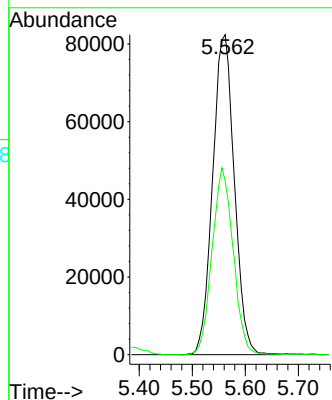
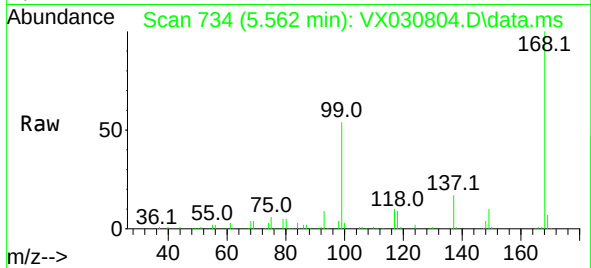




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

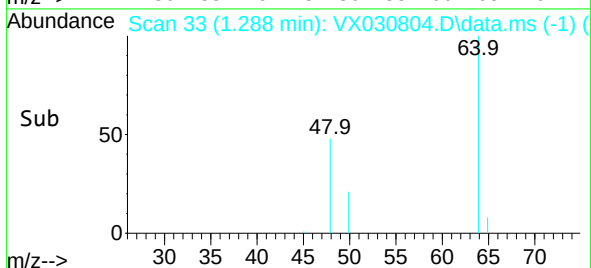
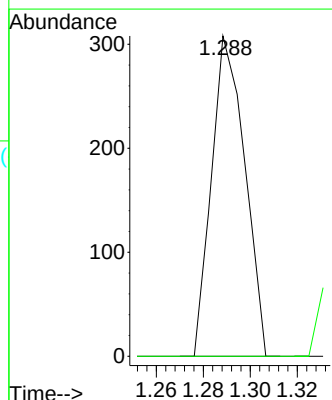
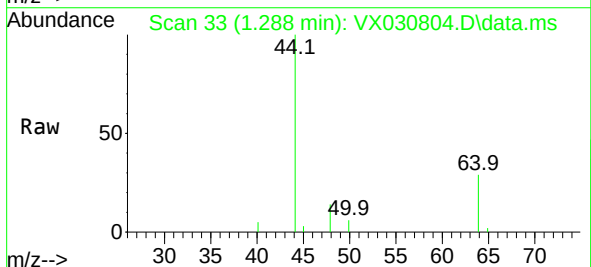
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

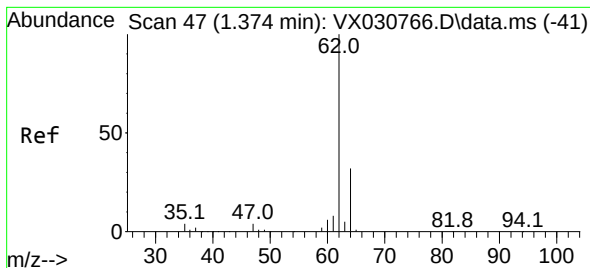
Tgt Ion:168 Resp: 234095
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 50 Resp: 302
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

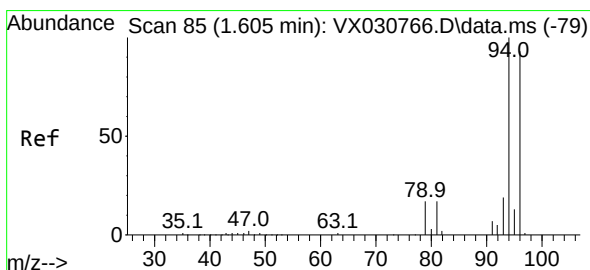
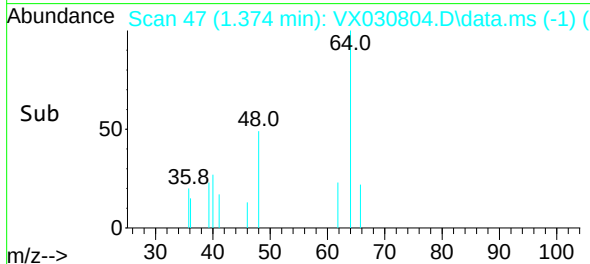
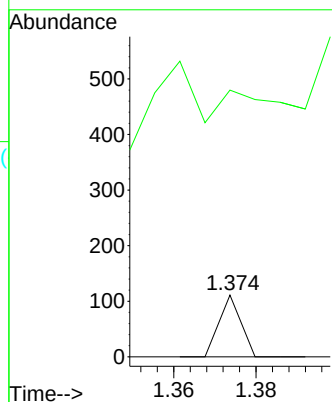
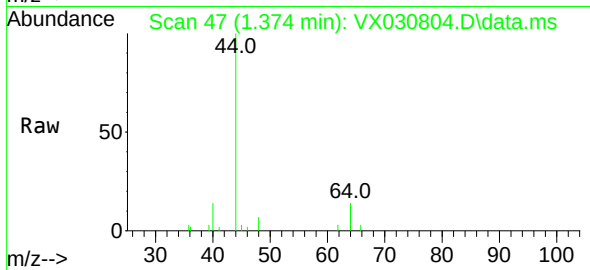




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030804.D
 Acq: 26 Aug 2022 04:57

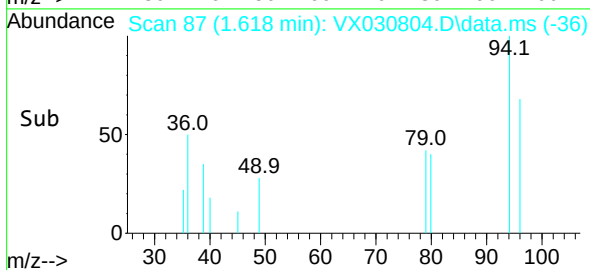
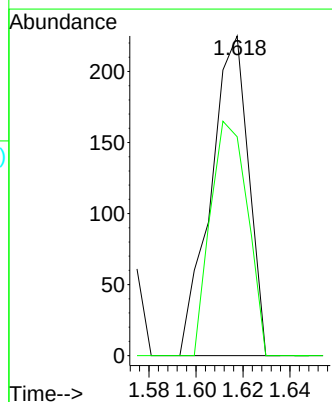
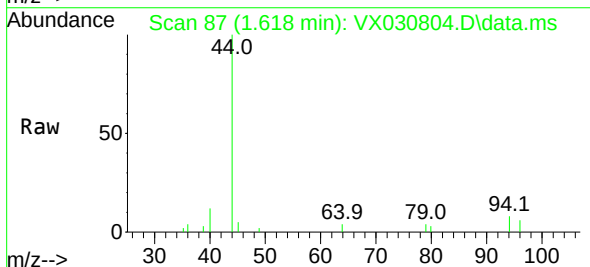
Instrument :
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 ClientSampleId :
 MW-101D

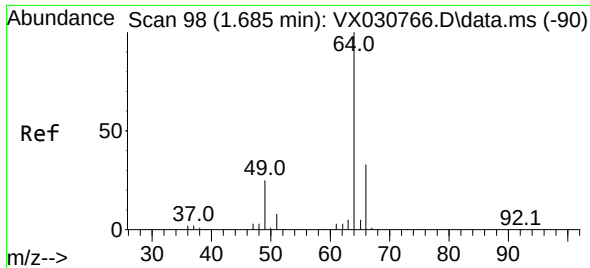
Tgt Ion: 62 Resp: 41
 Ion Ratio Lower Upper
 62 100
 64 19.8 25.2 37.8#



#5
 Bromomethane
 Concen: 0.231 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX030804.D
 Acq: 26 Aug 2022 04:57

Tgt Ion: 94 Resp: 252
 Ion Ratio Lower Upper
 94 100
 96 68.4 76.9 115.3#

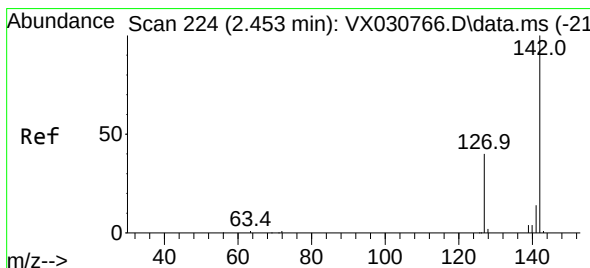
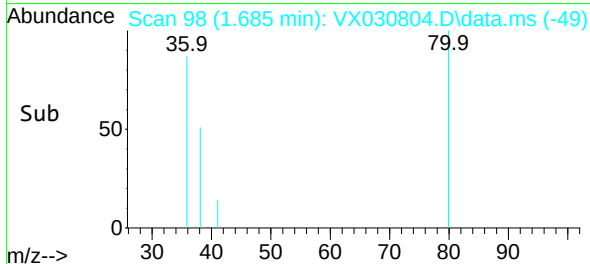
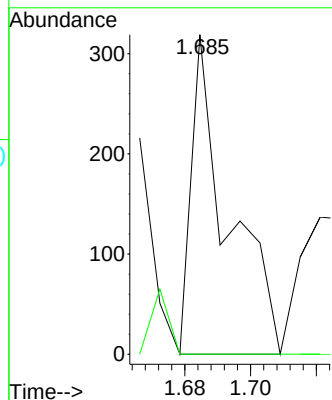
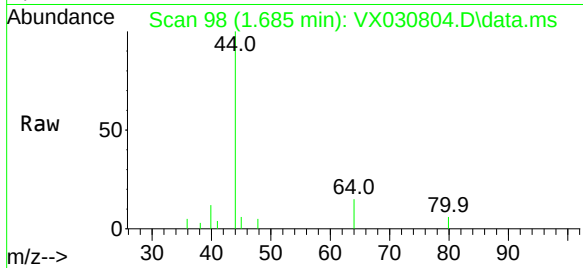




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

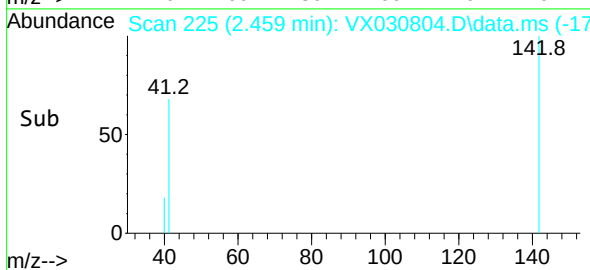
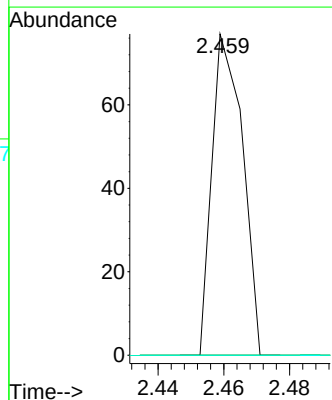
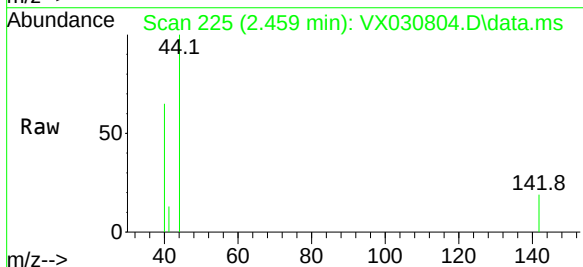
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

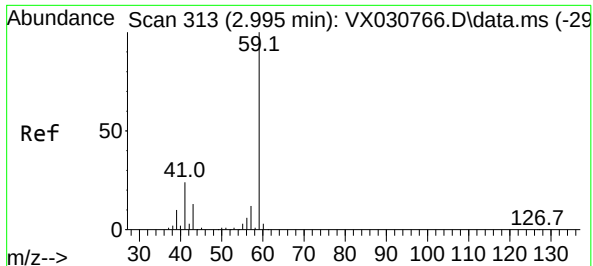
Tgt Ion: 64 Resp: 246
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.054 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 0.391 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX030804.D

Acq: 26 Aug 2022 04:57

Instrument :

MSVOA_X

ClientSampleId :

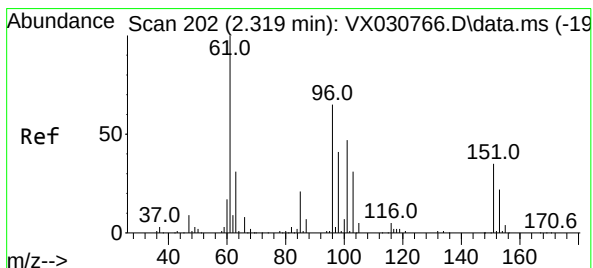
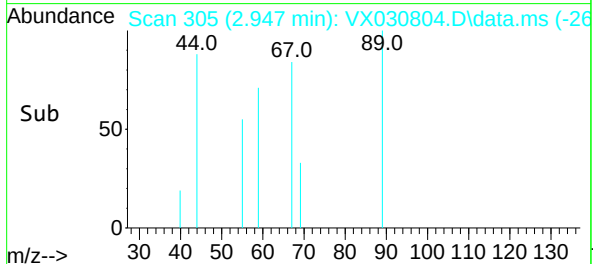
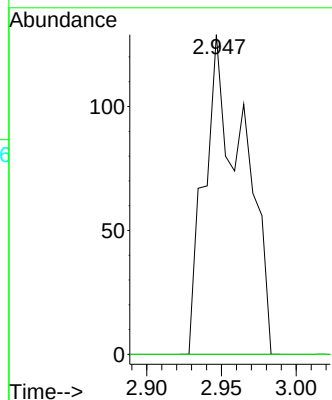
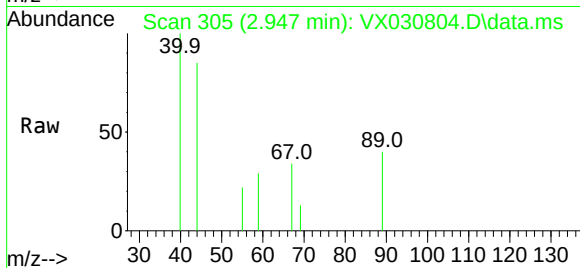
MW-101D

Tgt Ion: 59 Resp: 234

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 13.887 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX030804.D

Acq: 26 Aug 2022 04:57

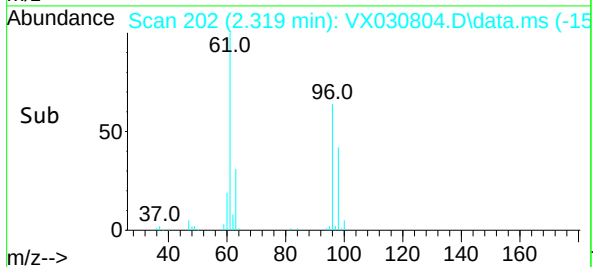
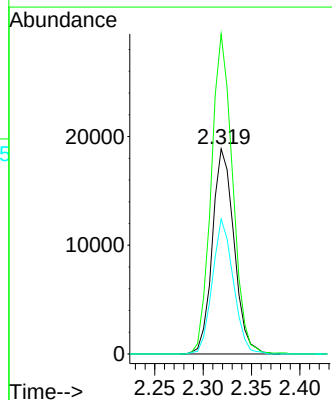
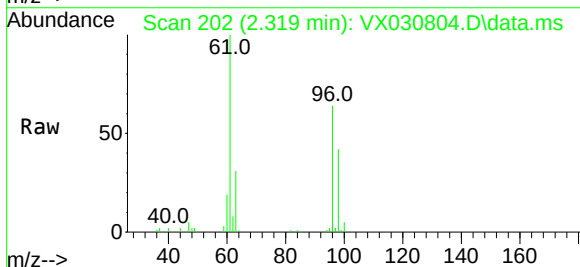
Tgt Ion: 96 Resp: 29469

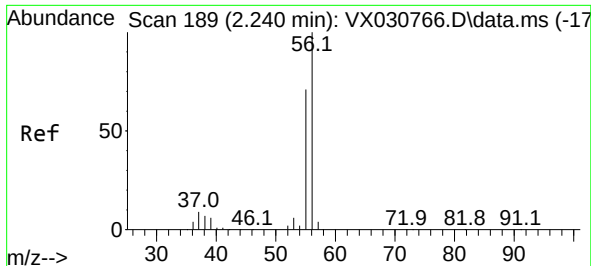
Ion Ratio Lower Upper

96 100

61 156.0 117.4 176.0

98 65.8 52.2 78.4

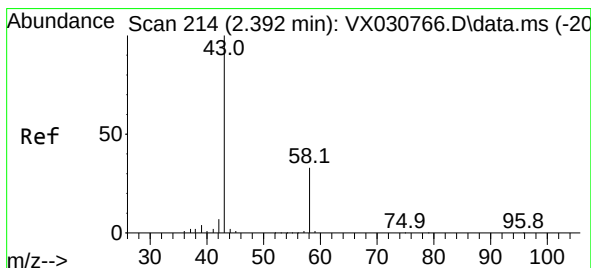
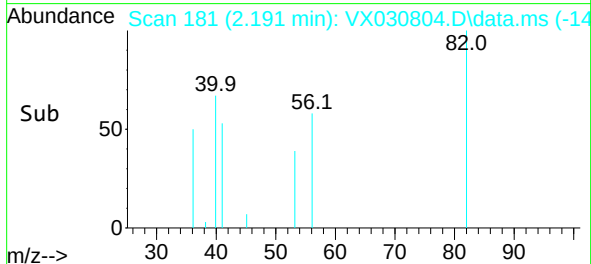
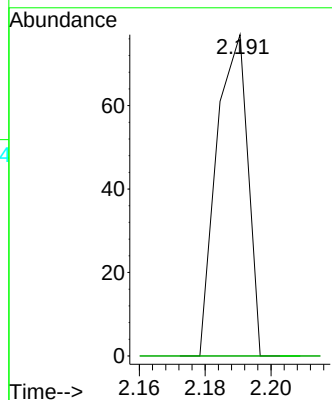
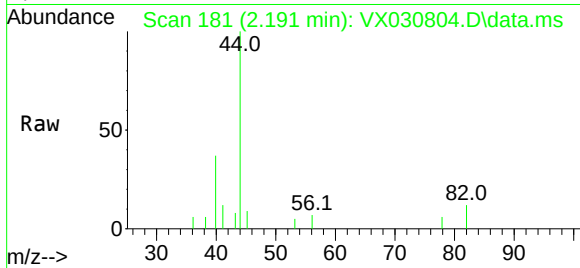




#13
Acrolein
Concen: 10.143 ug/l
RT: 2.191 min Scan# 189
Delta R.T. -0.049 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

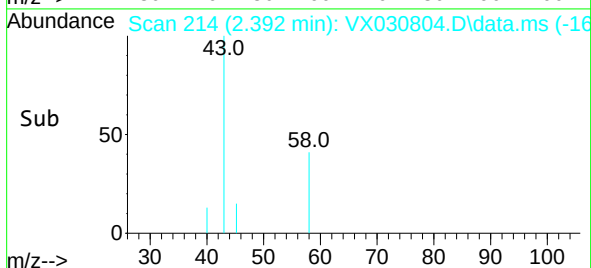
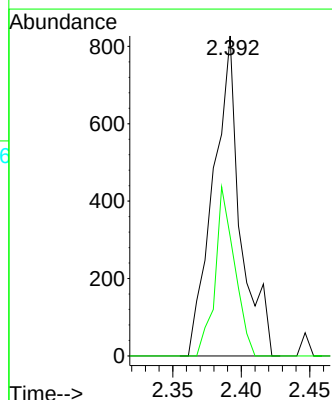
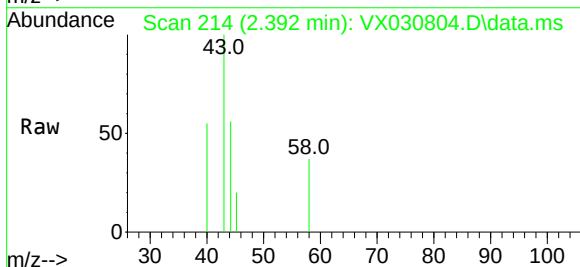
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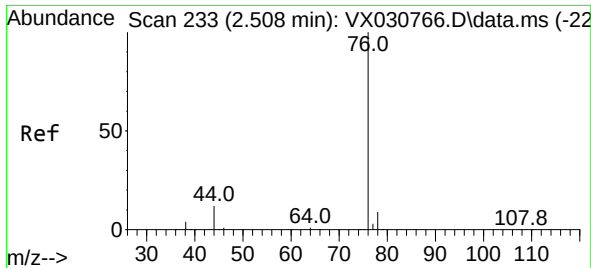
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 0.896 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
58 37.4 27.7 41.5

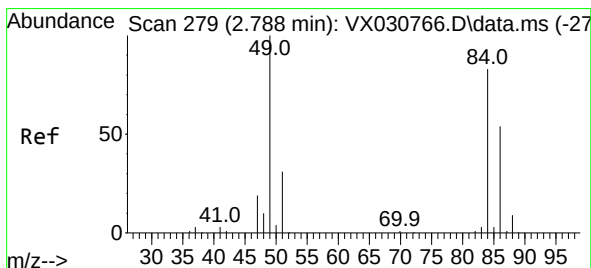
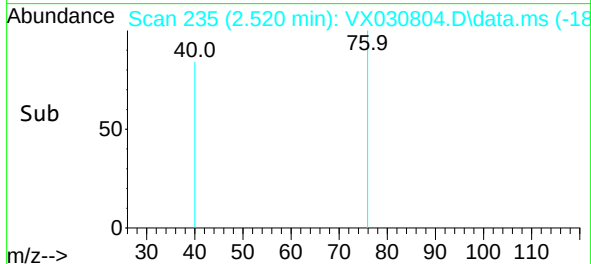
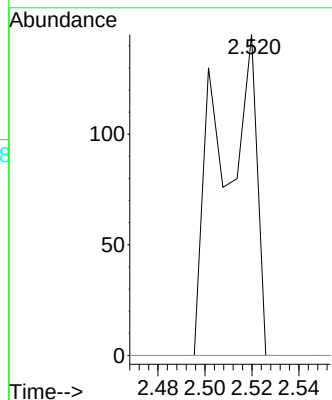
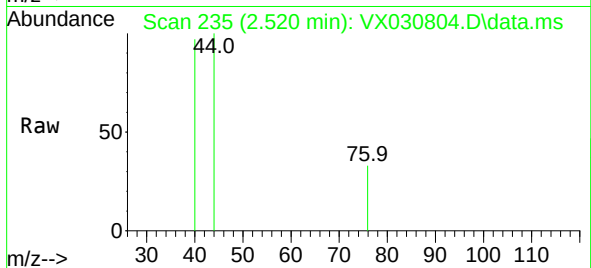




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

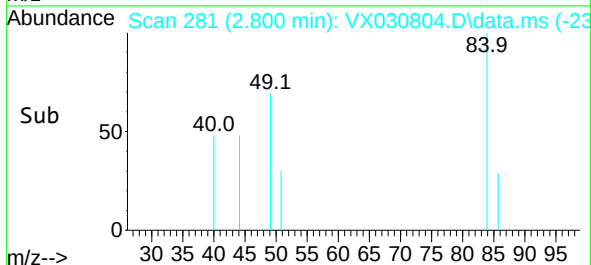
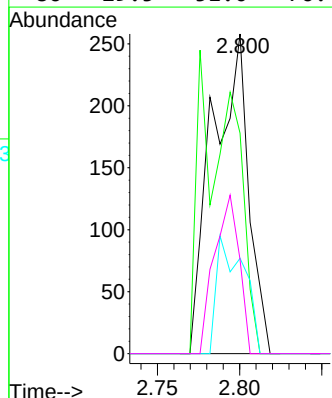
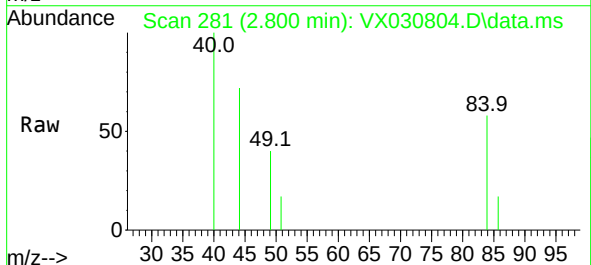
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

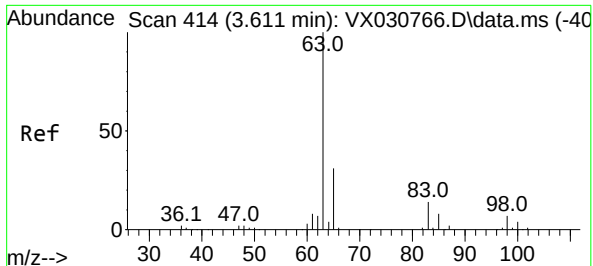
Tgt Ion: 76 Resp: 158
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 84 Resp: 394
Ion Ratio Lower Upper
84 100
49 69.0 93.8 140.6#
51 29.8 29.4 44.0
86 29.5 51.0 76.4#

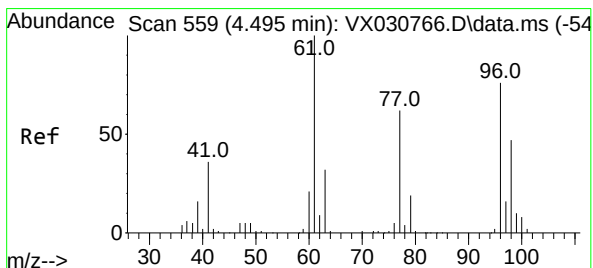
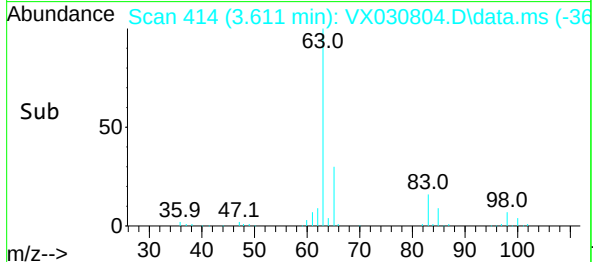
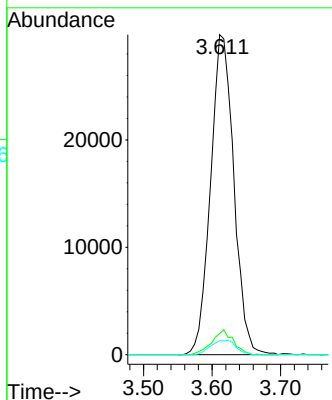
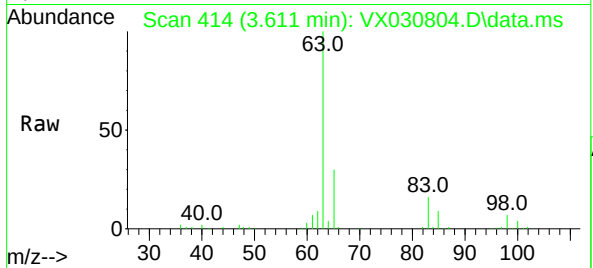




#24
 1,1-Dichloroethane
 Concen: 15.713 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX030804.D
 Acq: 26 Aug 2022 04:57

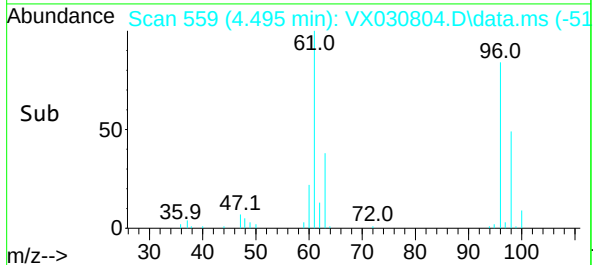
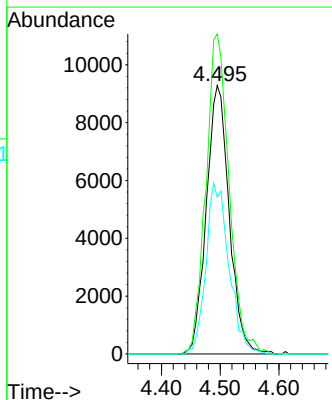
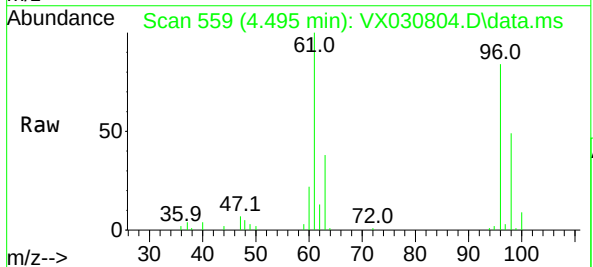
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

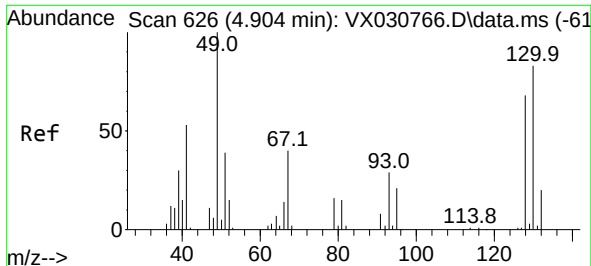
Tgt Ion: 63 Resp: 70243
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 4.3 2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 8.943 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.000 min
 Lab File: VX030804.D
 Acq: 26 Aug 2022 04:57

Tgt Ion: 96 Resp: 25183
 Ion Ratio Lower Upper
 96 100
 61 121.1 0.0 270.0
 98 63.9 0.0 127.8

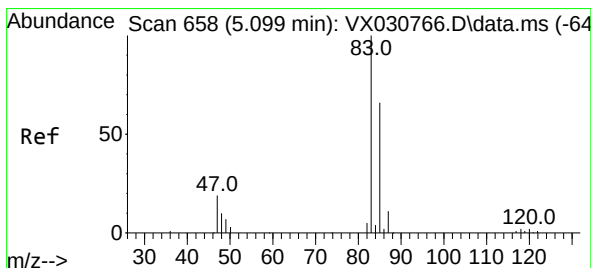
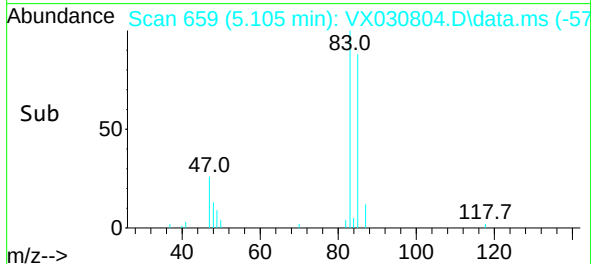
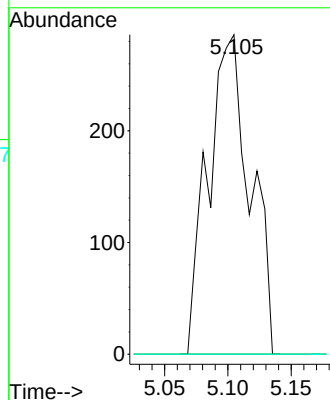
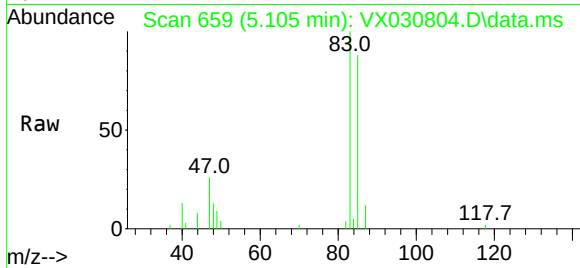




#28
Bromochloromethane
Concen: 0.346 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.201 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

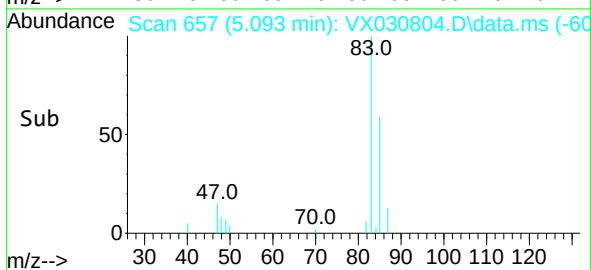
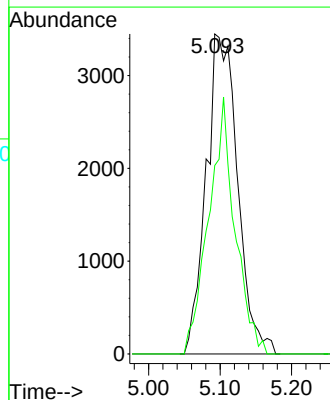
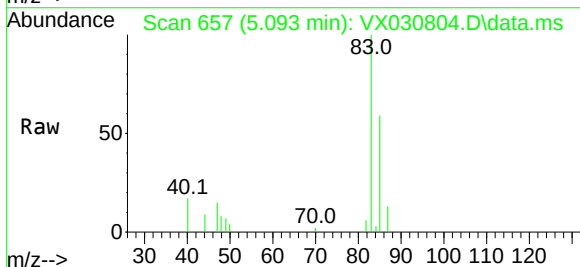
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

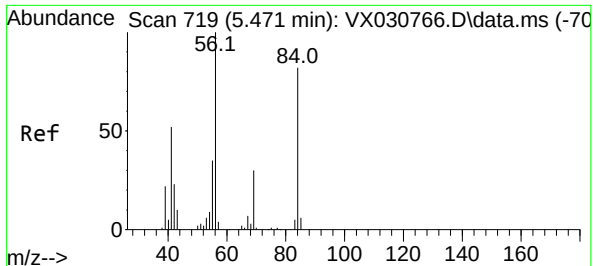
Tgt Ion: 49 Resp: 665
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 62.8 94.2#



#30
Chloroform
Concen: 2.238 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.006 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 83 Resp: 10532
Ion Ratio Lower Upper
83 100
85 58.9 51.5 77.3

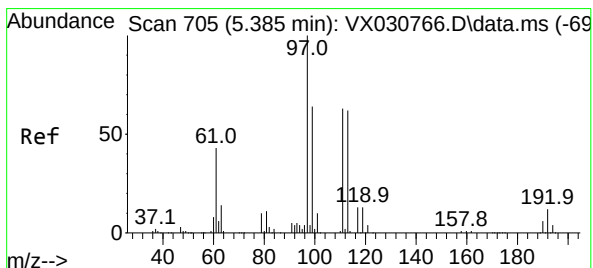
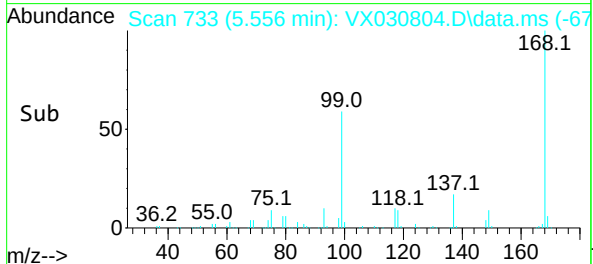
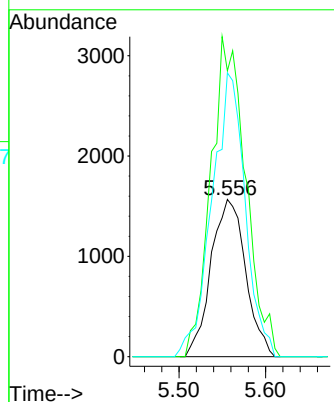
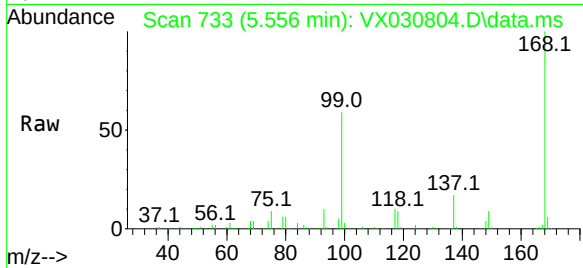




#31
Cyclohexane
Concen: 1.236 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

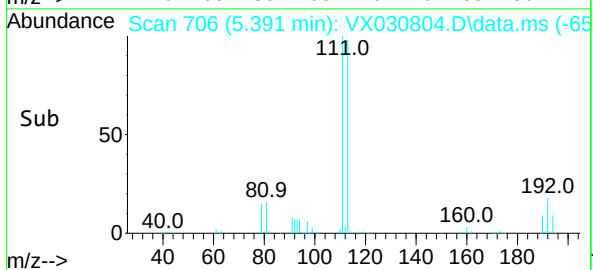
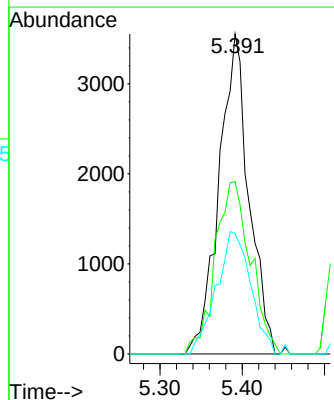
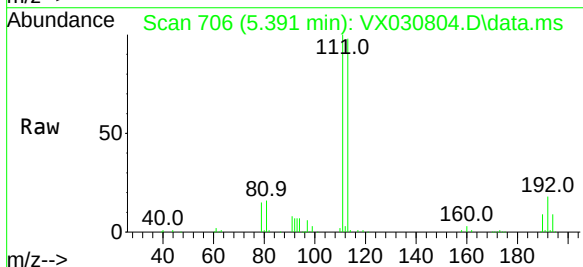
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

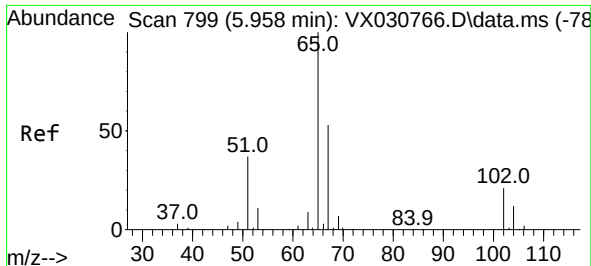
Tgt Ion: 56 Resp: 4351
Ion Ratio Lower Upper
56 100
69 181.7 25.4 38.0#
84 180.5 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 2.360 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 97 Resp: 8977
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 43.9 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 75.506 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030804.D

Acq: 26 Aug 2022 04:57

Instrument :

MSVOA_X

ClientSampleId :

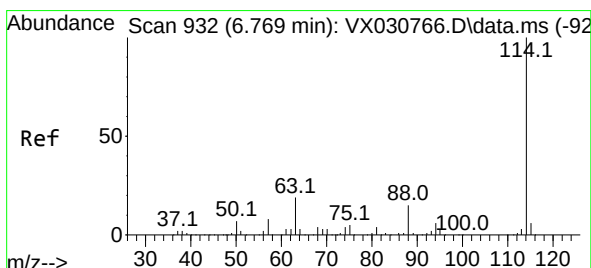
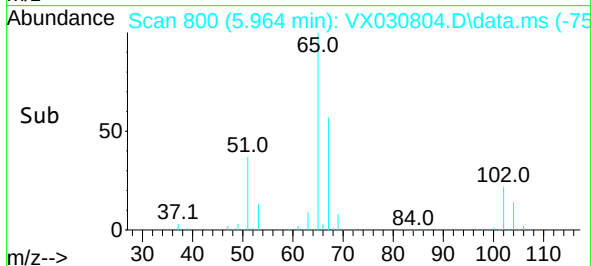
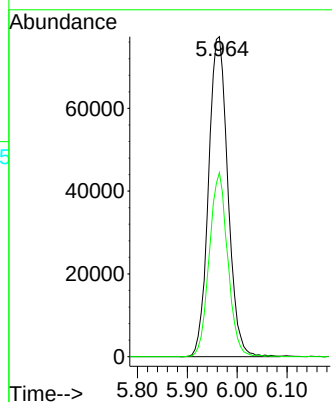
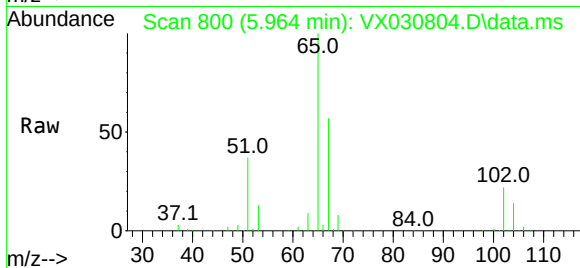
MW-101D

Tgt Ion: 65 Resp: 207912

Ion Ratio Lower Upper

65 100

67 55.0 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: VX030804.D

Acq: 26 Aug 2022 04:57

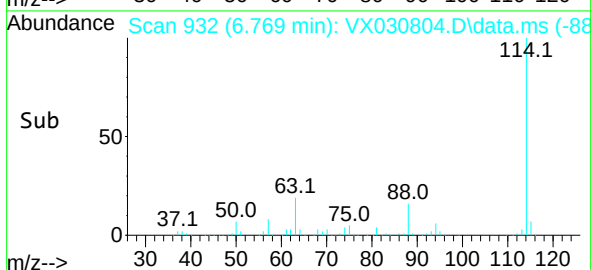
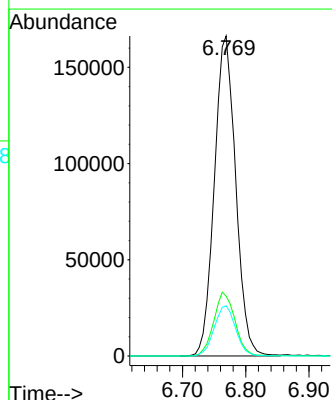
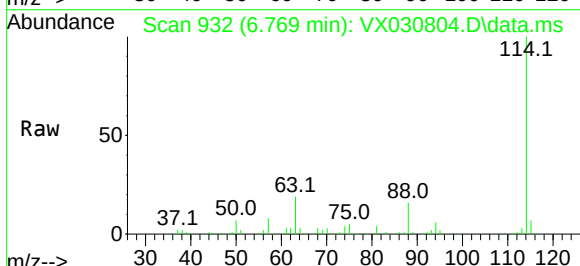
Tgt Ion: 114 Resp: 389323

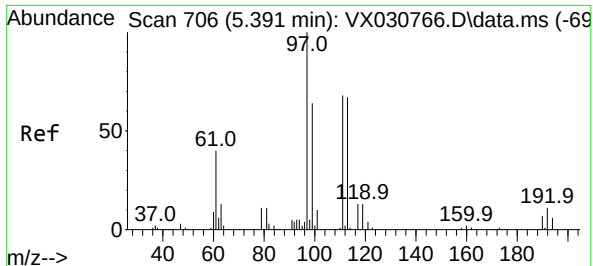
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.7 0.0 31.8

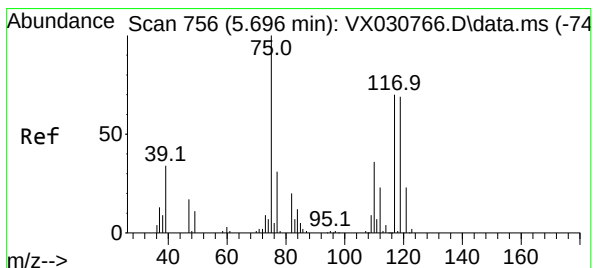
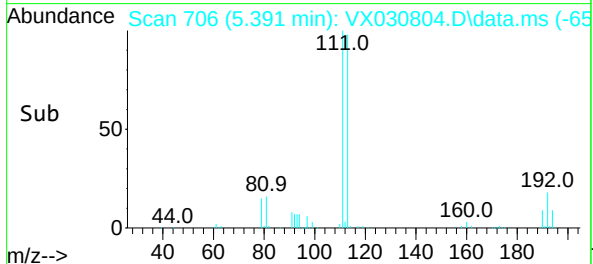
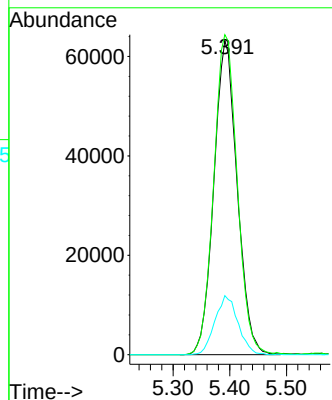
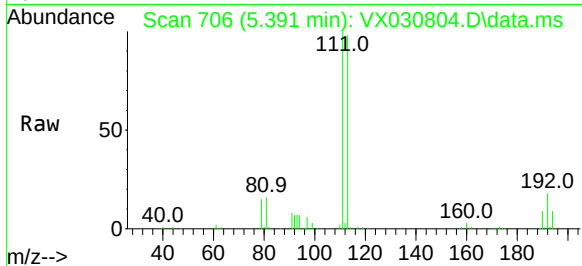




#35
Dibromofluoromethane
Concen: 75.434 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

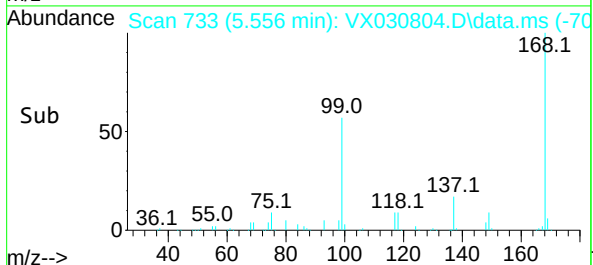
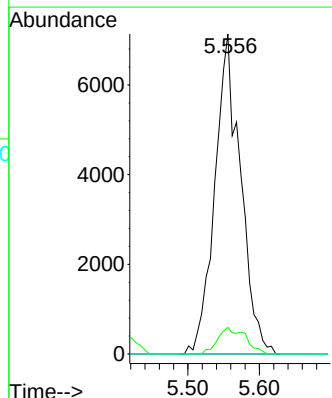
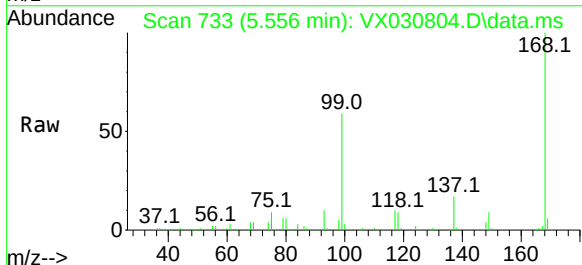
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

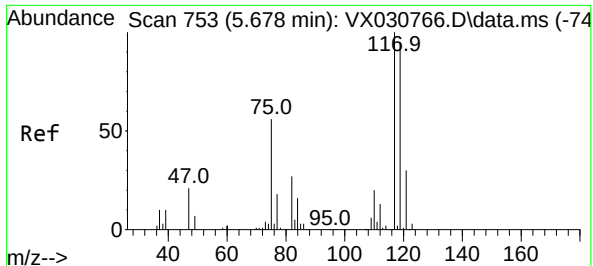
Tgt Ion:113 Resp: 180492
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 18.6 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.464 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

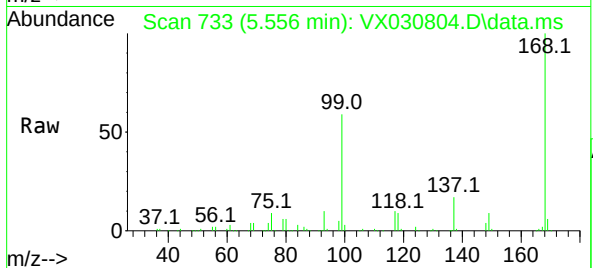
Tgt Ion: 75 Resp: 17804
Ion Ratio Lower Upper
75 100
110 8.9 19.3 57.9#
77 0.0 24.4 36.6#



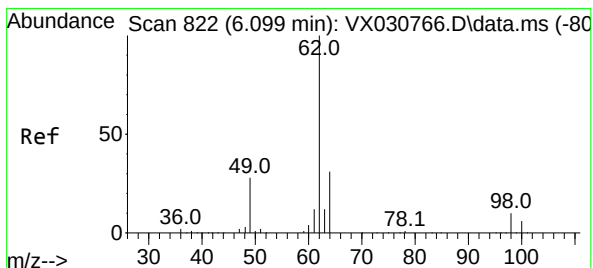
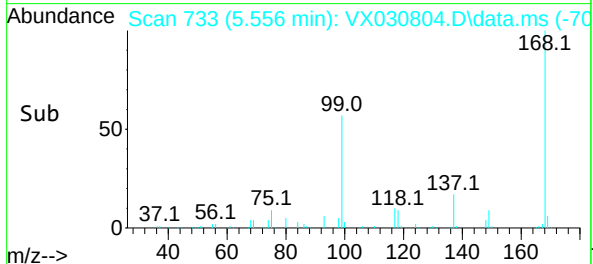
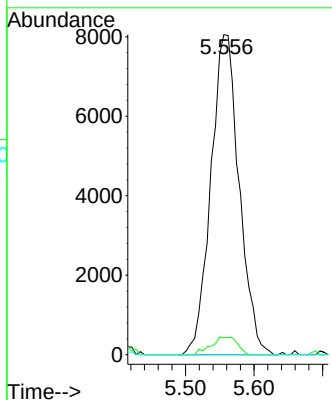


#38
Carbon Tetrachloride
Concen: 6.711 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Instrument :
MSVOA_X
ClientSampleId :
MW-101D

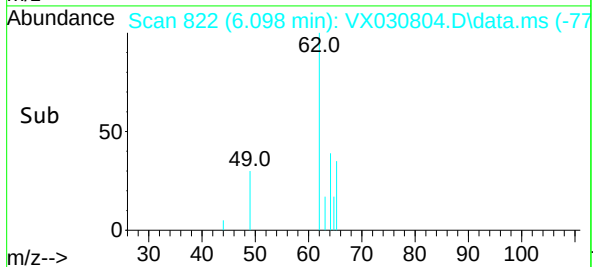
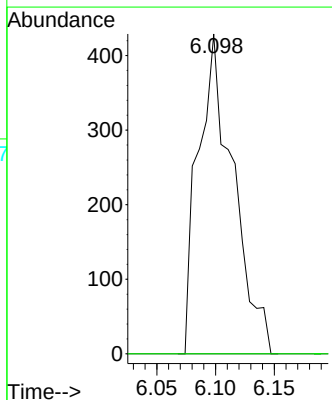
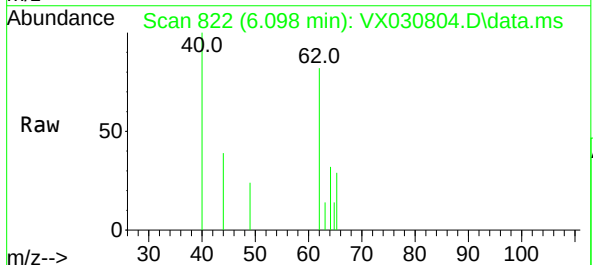


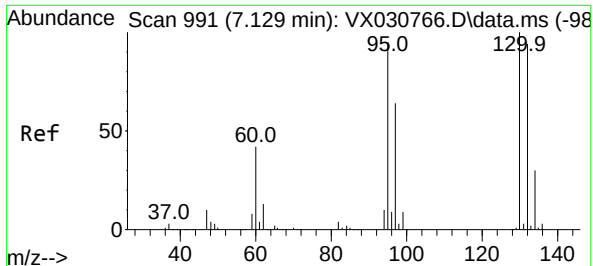
Tgt Ion:117 Resp: 23064
Ion Ratio Lower Upper
117 100
119 5.2 74.1 111.1#
121 0.0 25.8 38.8#



#42
1,2-Dichloroethane
Concen: 0.256 ug/l
RT: 6.098 min Scan# 822
Delta R.T. -0.001 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 62 Resp: 886
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

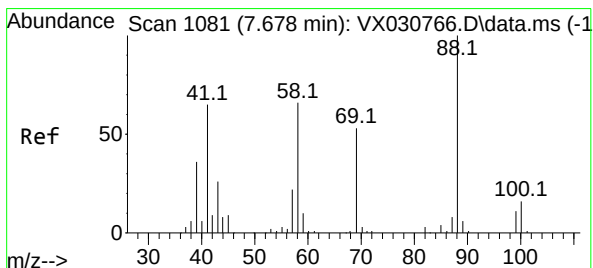
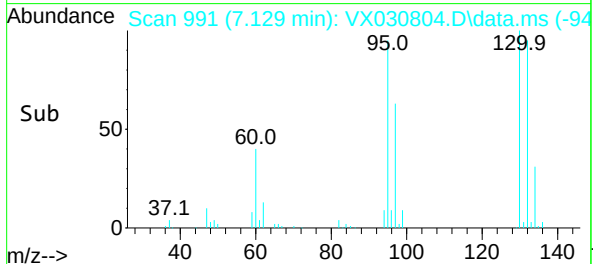
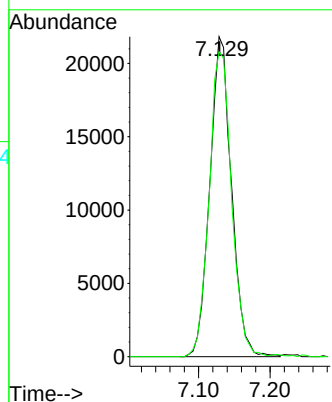
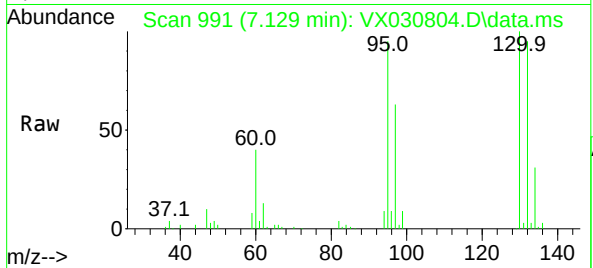




#44
Trichloroethene
Concen: 16.310 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

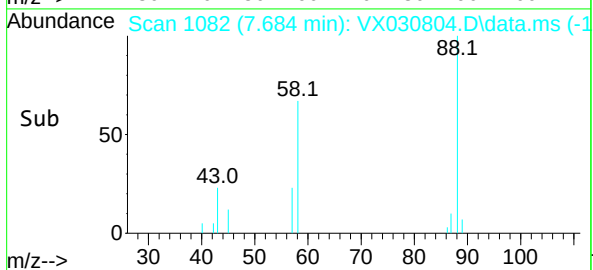
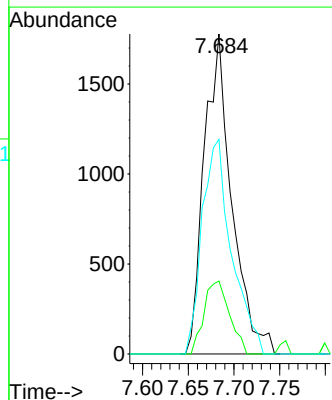
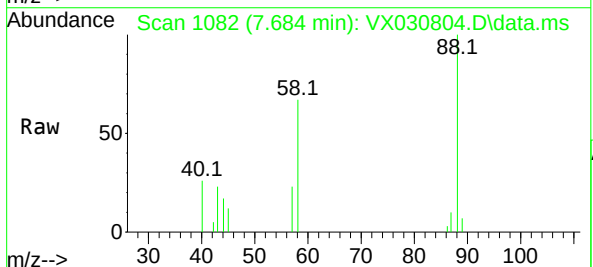
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

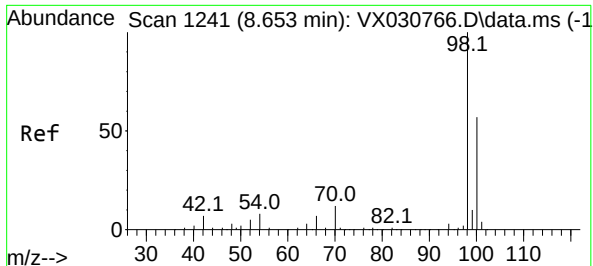
Tgt Ion:130 Resp: 45935
Ion Ratio Lower Upper
130 100
95 95.3 0.0 194.8



#49
1,4-Dioxane
Concen: 52.172 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 88 Resp: 3732
Ion Ratio Lower Upper
88 100
43 21.1 23.8 35.8#
58 71.5 53.8 80.6

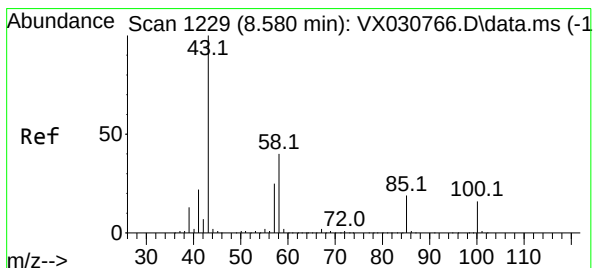
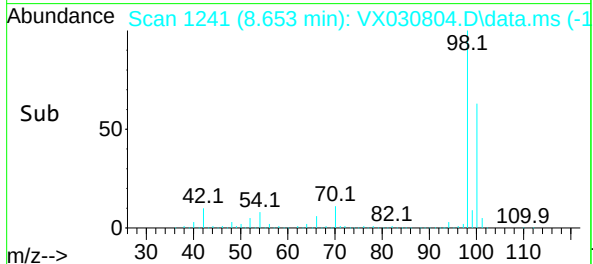
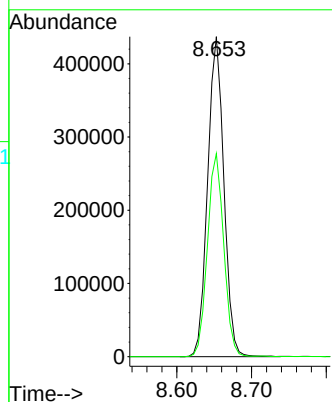
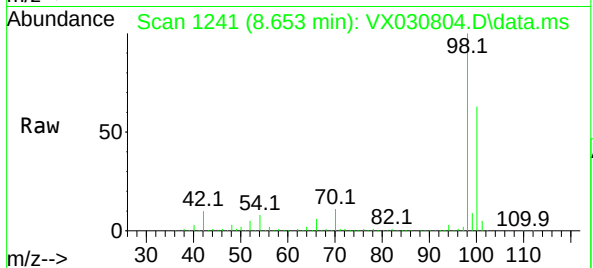




#50
Toluene-d8
Concen: 79.105 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

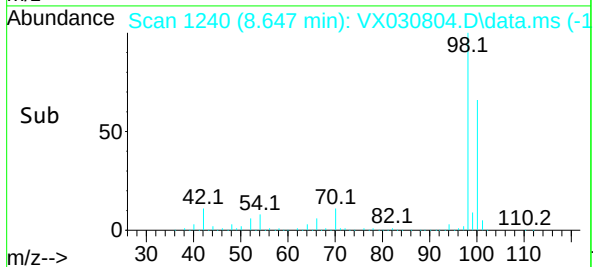
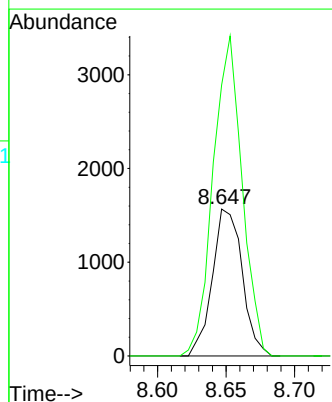
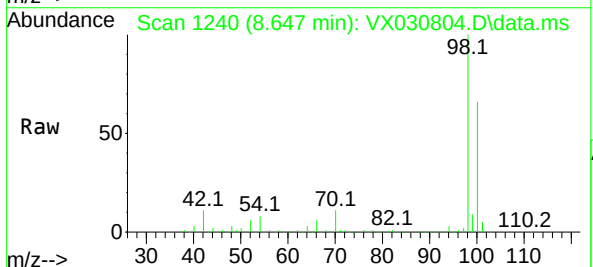
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

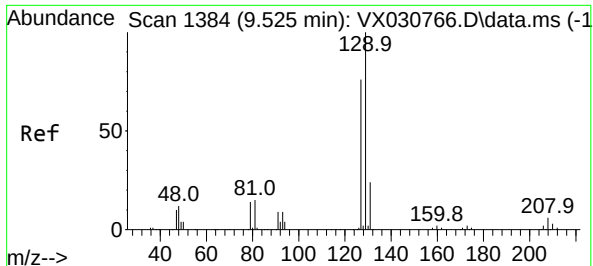
Tgt Ion: 98 Resp: 659563
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.607 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
58 211.3 31.4 47.2#

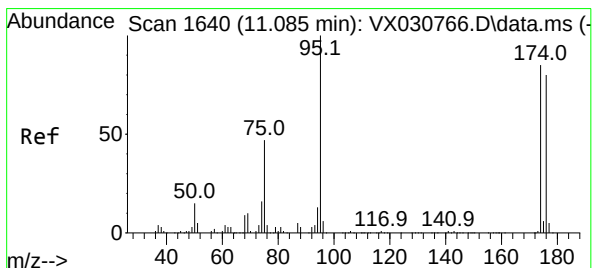
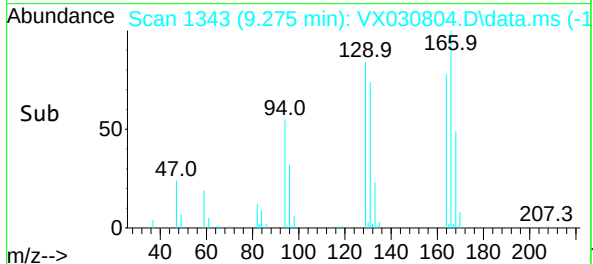
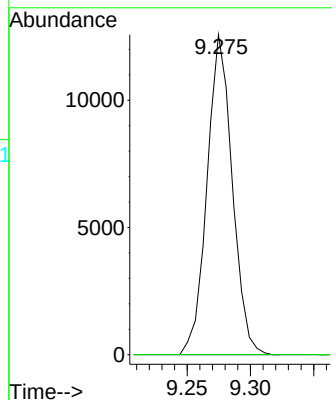
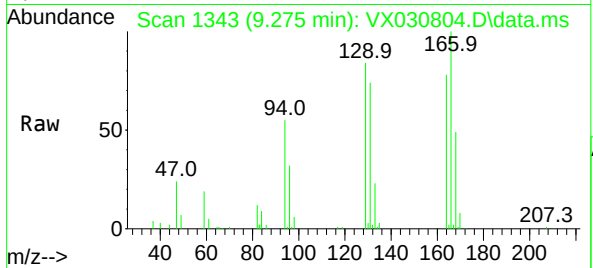




#60
Dibromochloromethane
Concen: 6.188 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

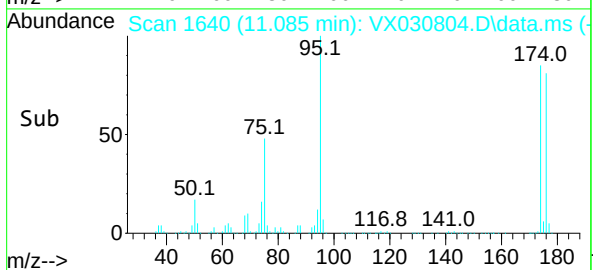
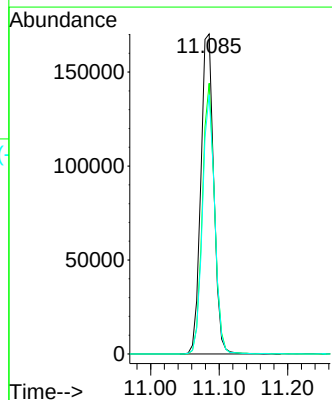
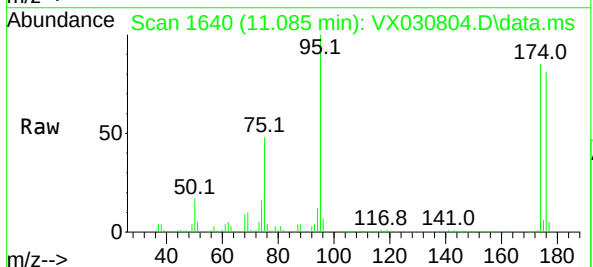
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

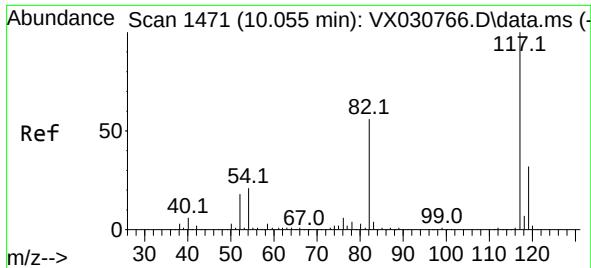
Tgt Ion:129 Resp: 17447
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 72.167 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion: 95 Resp: 224018
Ion Ratio Lower Upper
95 100
174 79.7 0.0 149.0
176 76.9 0.0 146.0

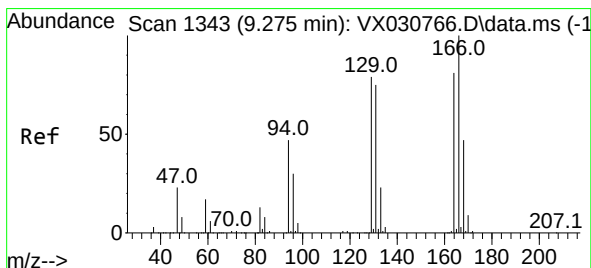
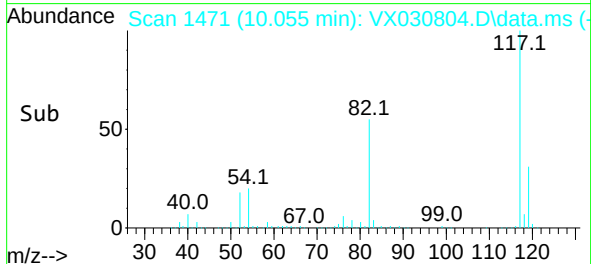
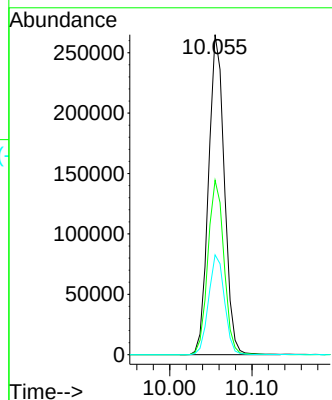
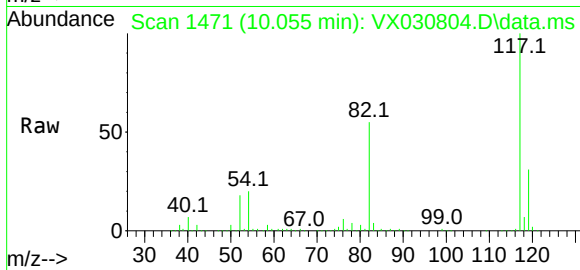




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

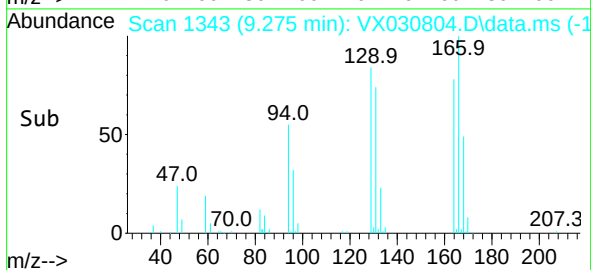
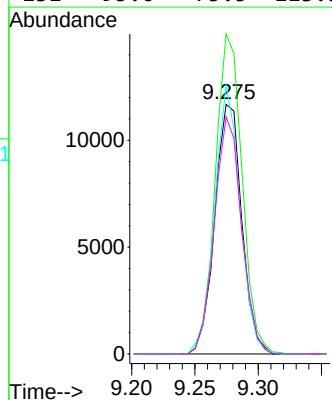
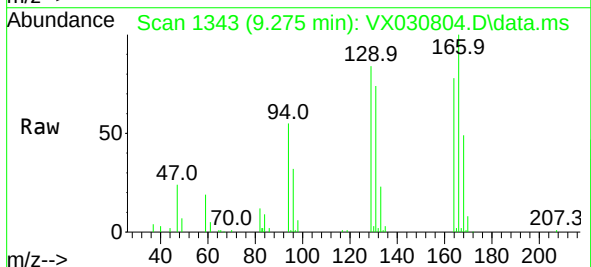
Instrument :
MSVOA_X
ClientSampleId :
MW-101D

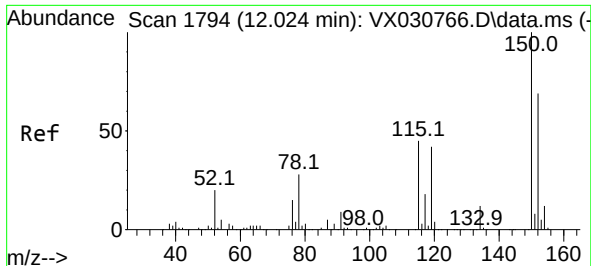
Tgt Ion:117 Resp: 354417
Ion Ratio Lower Upper
117 100
82 54.5 42.7 64.1
119 31.2 25.4 38.2



#64
Tetrachloroethene
Concen: 6.211 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030804.D
Acq: 26 Aug 2022 04:57

Tgt Ion:164 Resp: 17341
Ion Ratio Lower Upper
164 100
166 128.2 98.2 147.4
129 107.7 80.8 121.2
131 95.0 75.5 113.3

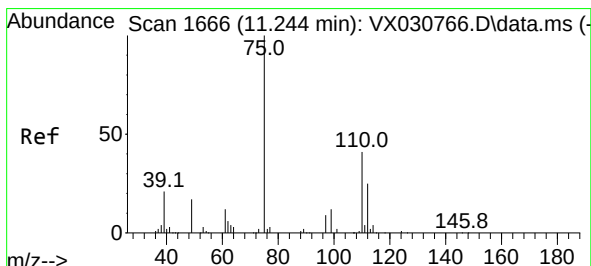
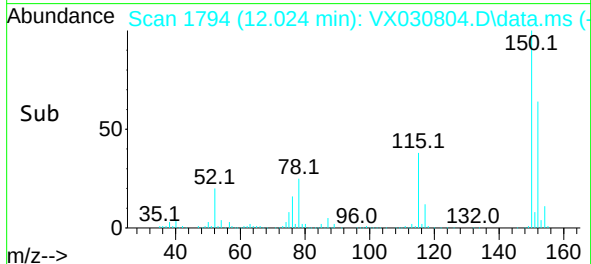
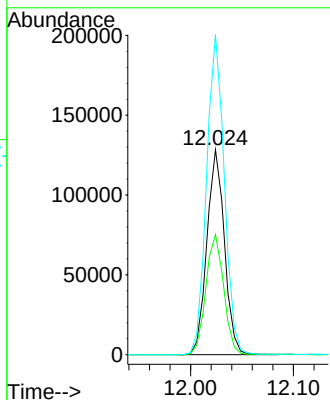
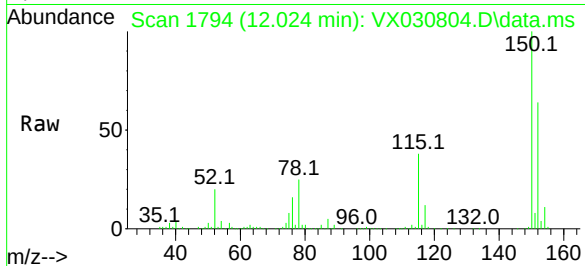




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030804.D
 Acq: 26 Aug 2022 04:57

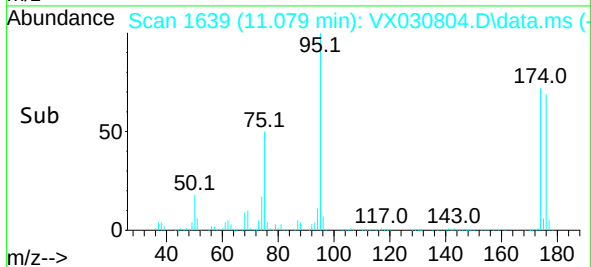
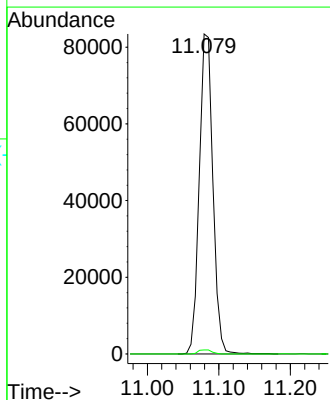
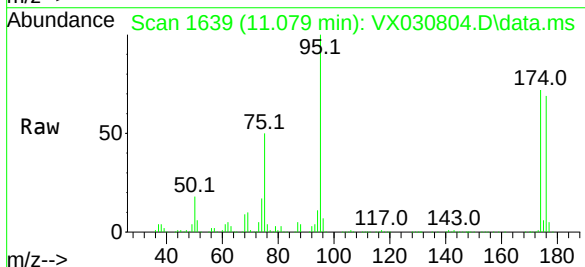
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

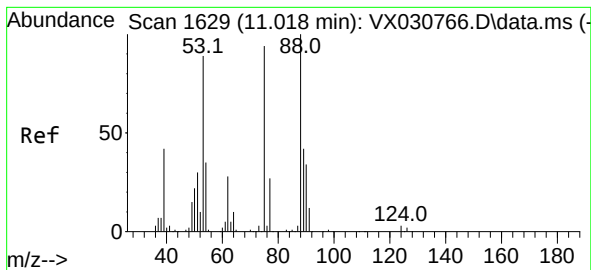
Tgt Ion:152 Resp: 153078
 Ion Ratio Lower Upper
 152 100
 115 59.6 40.5 121.5
 150 157.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 32.880 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX030804.D
 Acq: 26 Aug 2022 04:57

Tgt Ion: 75 Resp: 110272
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.086 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030804.D
 Acq: 26 Aug 2022 04:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101D

Tgt Ion: 75 Resp: 110272
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

