

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030831.D
 Acq On : 26 Aug 2022 17:49
 Operator : JC/MD
 Sample : N4262-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

Quant Time: Aug 27 02:40:55 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)

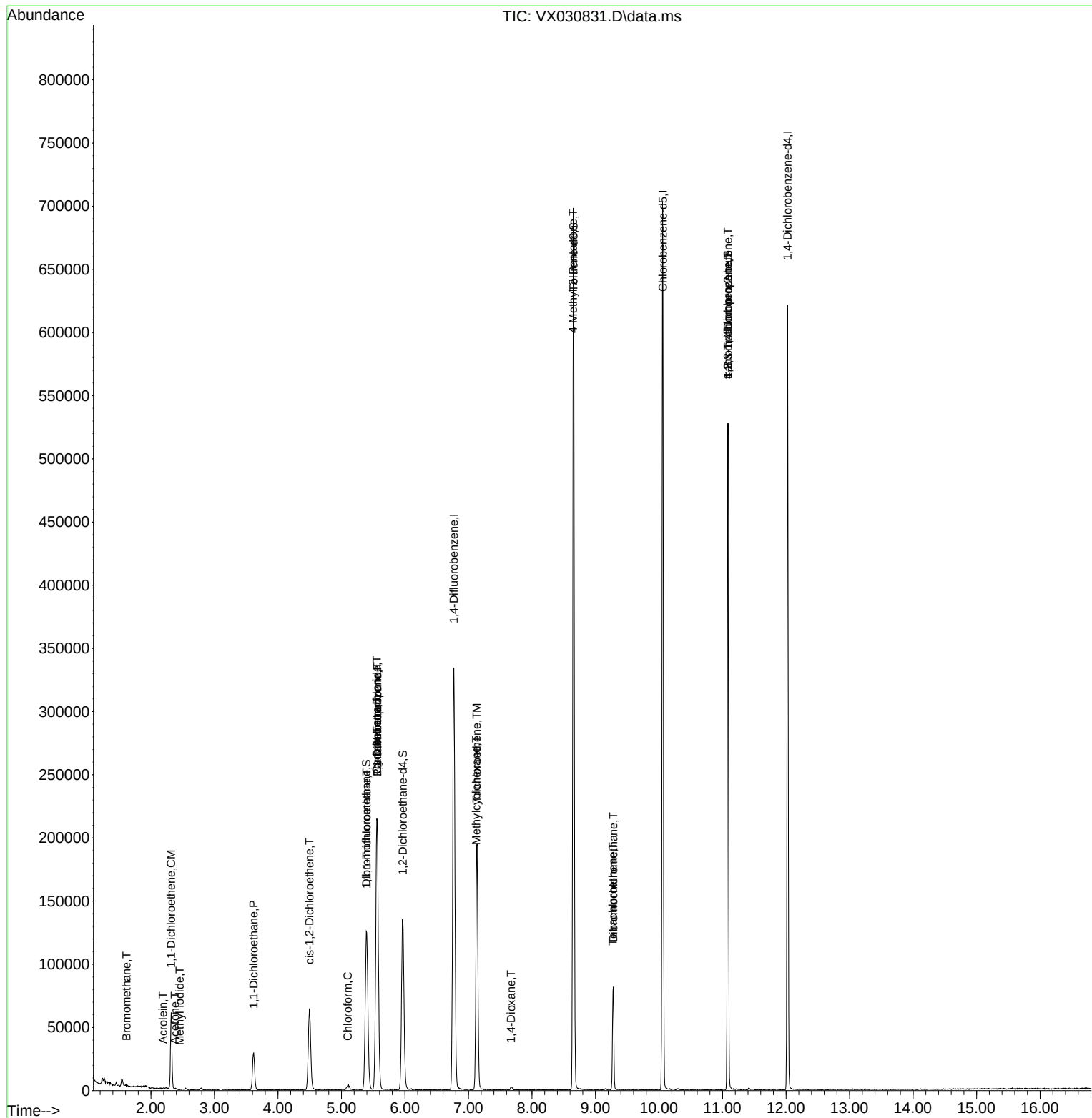
Internal Standards						
1) Pentafluorobenzene	5.562	168	205861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	352849	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	325186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	133777	55.246	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.500%			
35) Dibromofluoromethane	5.391	113	110521	50.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	8.653	98	411364	54.437	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.880%			
62) 4-Bromofluorobenzene	11.085	95	132839	47.217	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.440%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	164	Below Cal	#	42
4) Vinyl Chloride	1.368	62	155	Below Cal	#	1
5) Bromomethane	1.617	94	256	0.267	ug/l	99
6) Chloroethane	1.691	64	109	Below Cal	#	41
10) Methyl Iodide	2.453	142	20	4.041	ug/l	45
12) 1,1-Dichloroethene	2.319	96	20410	10.937	ug/l	94
13) Acrolein	2.191	56	50	10.155	ug/l	14
16) Acetone	2.380	43	1058	0.945	ug/l	79
17) Carbon Disulfide	2.508	76	383	Below Cal	#	74
20) Methylene Chloride	2.794	84	648	Below Cal	#	76
24) 1,1-Dichloroethane	3.617	63	34066	8.666	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	40752	16.456	ug/l	94
30) Chloroform	5.099	83	4709	1.138	ug/l	96
31) Cyclohexane	5.556	56	4456	1.439	ug/l	5
32) 1,1,1-Trichloroethane	5.397	97	3911	1.169	ug/l	51
36) 1,1-Dichloropropene	5.562	75	16780	5.682	ug/l	47
38) Carbon Tetrachloride	5.556	117	20758	6.664	ug/l	17
39) Methylcyclohexane	7.123	83	1133	0.321	ug/l	1
44) Trichloroethene	7.129	130	76483	29.965	ug/l	98
49) 1,4-Dioxane	7.671	88	1848	28.505	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1734	0.488	ug/l	1
60) Dibromochloromethane	9.281	129	15228	5.959	ug/l	11
64) Tetrachloroethene	9.275	164	15961	6.231	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	67375	24.651	ug/l	38
81) trans-1,4-Dichloro-2-b...	11.085	75	67375	79.535	ug/l	12

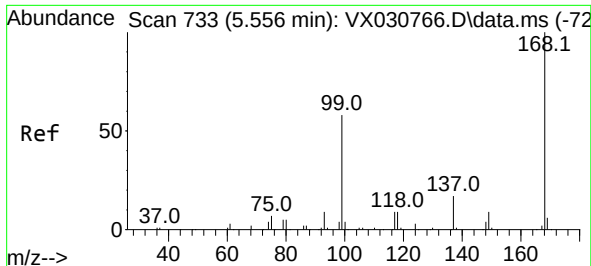
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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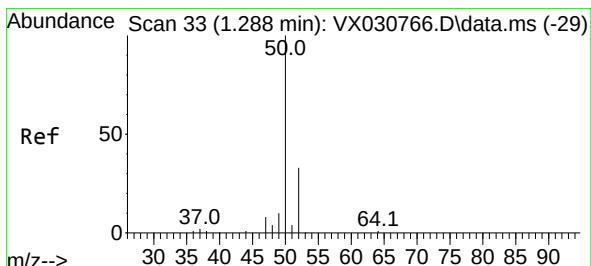
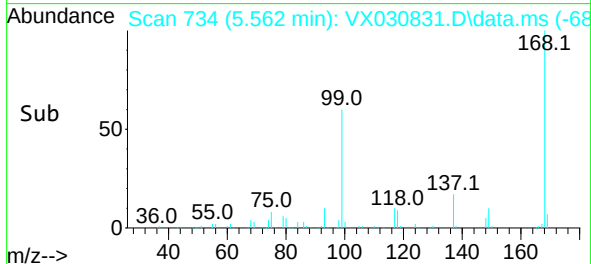
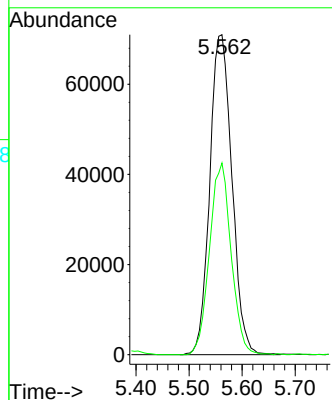
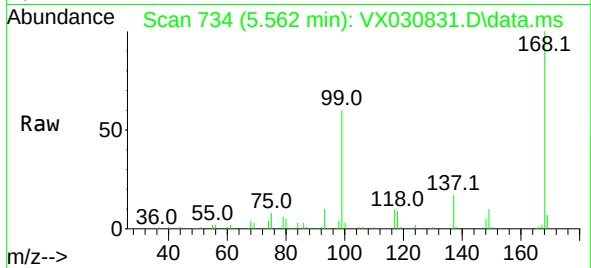




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

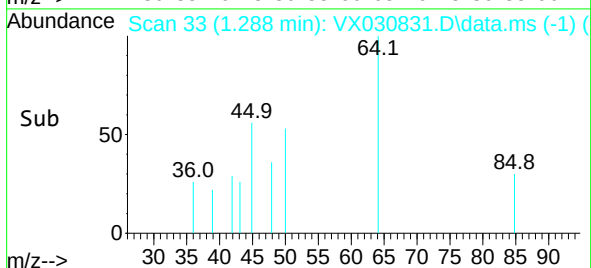
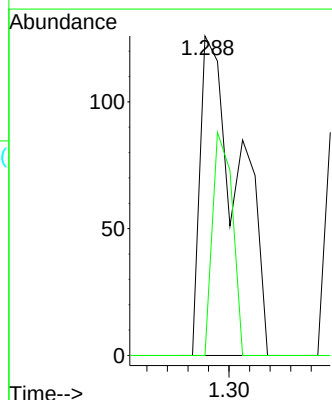
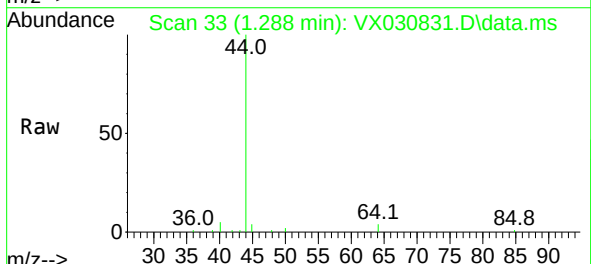
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

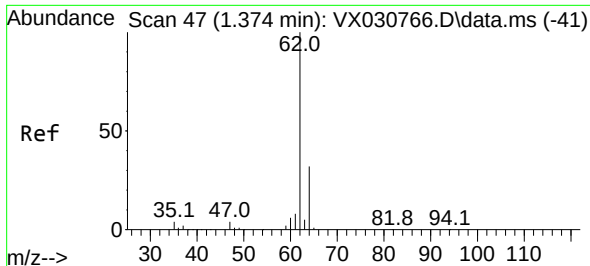
Tgt Ion:168 Resp: 205861
Ion Ratio Lower Upper
168 100
99 59.9 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion: 50 Resp: 164
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

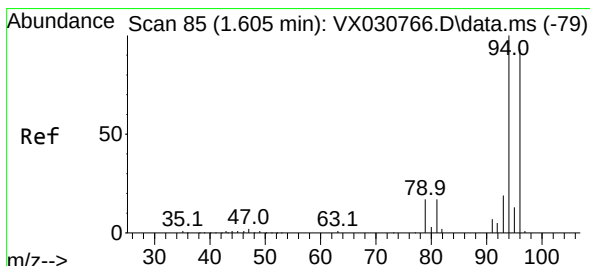
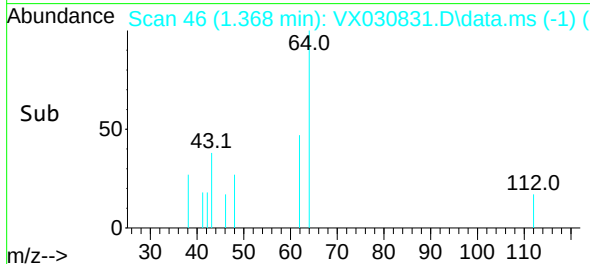
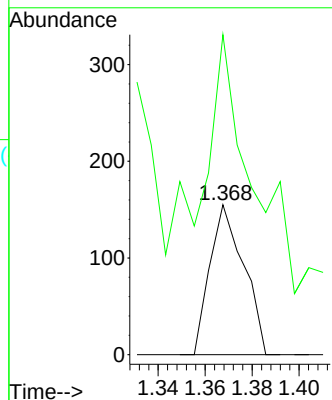
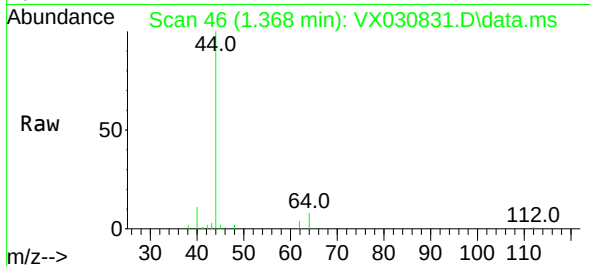




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.368 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX030831.D
 Acq: 26 Aug 2022 17:49

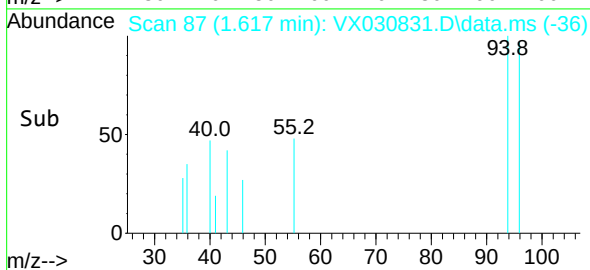
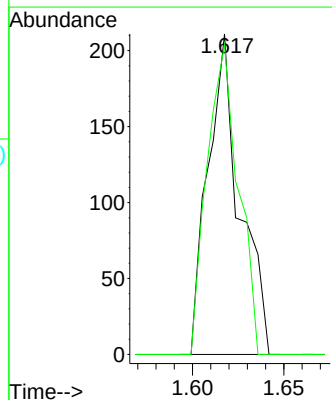
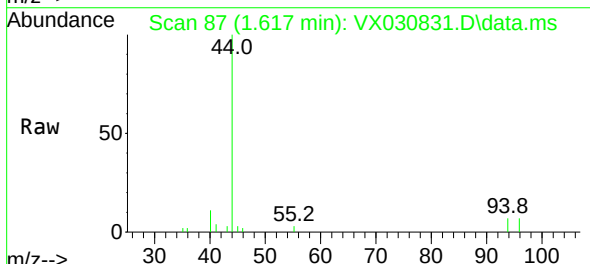
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

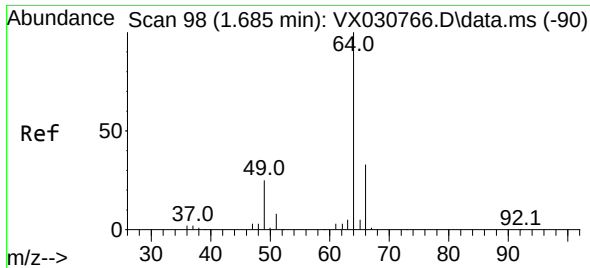
Tgt Ion: 62 Resp: 155
 Ion Ratio Lower Upper
 62 100
 64 98.1 25.2 37.8#



#5
 Bromomethane
 Concen: 0.267 ug/l
 RT: 1.617 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX030831.D
 Acq: 26 Aug 2022 17:49

Tgt Ion: 94 Resp: 256
 Ion Ratio Lower Upper
 94 100
 96 96.7 76.9 115.3

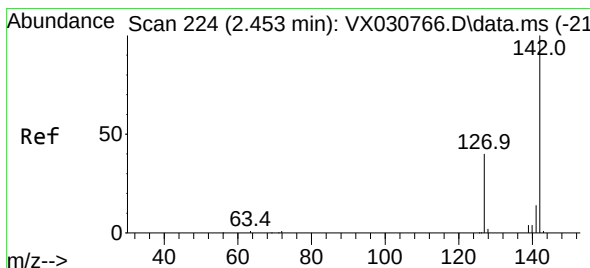
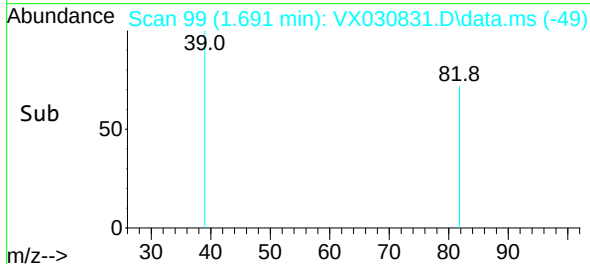
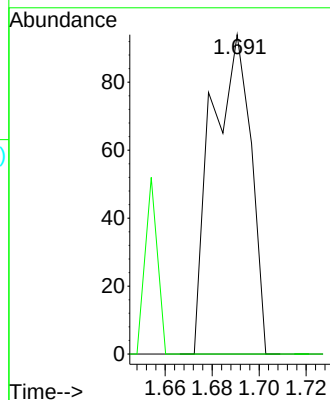
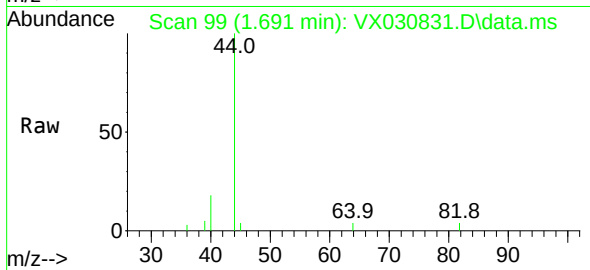




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

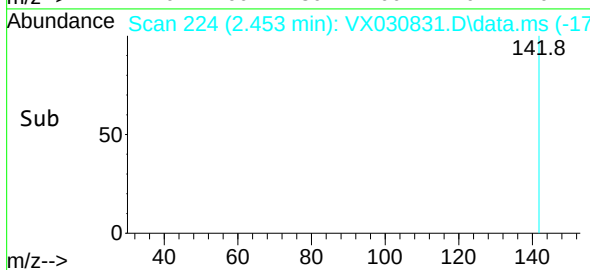
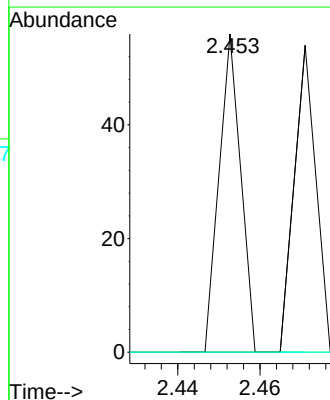
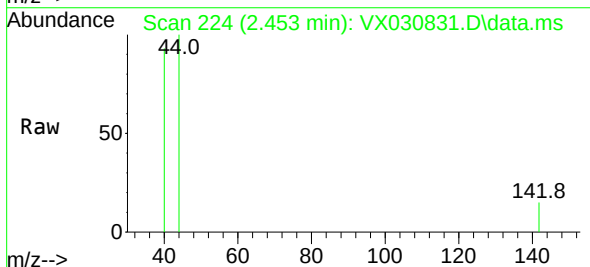
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

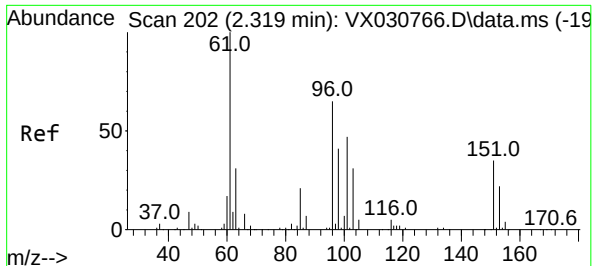
Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.041 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion: 142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

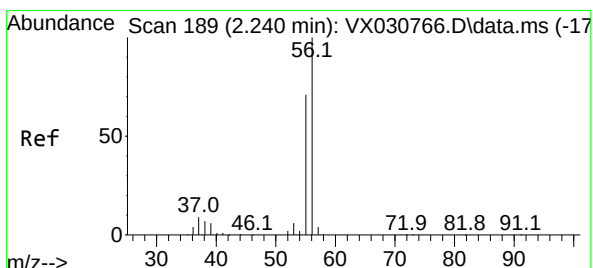
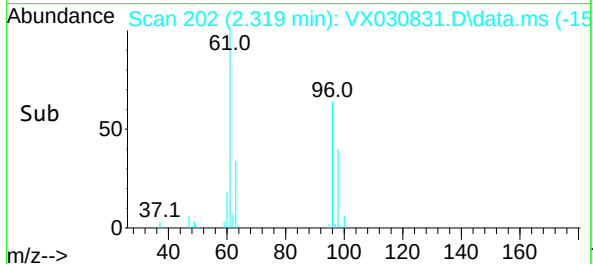
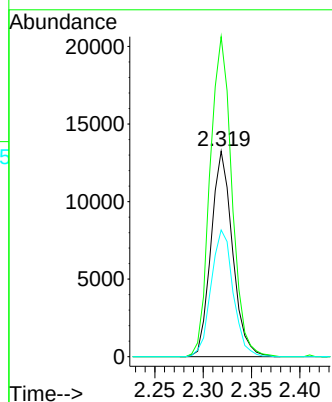
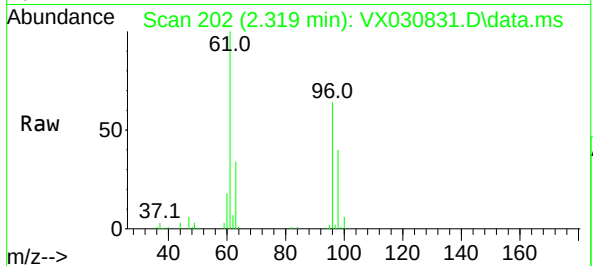




#12
1,1-Dichloroethene
Concen: 10.937 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

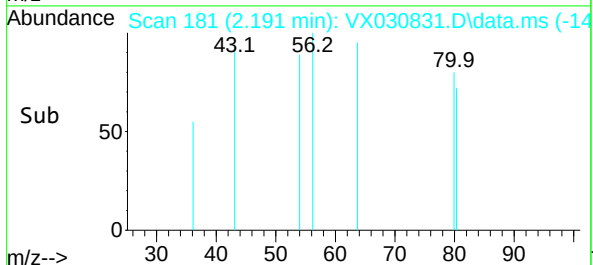
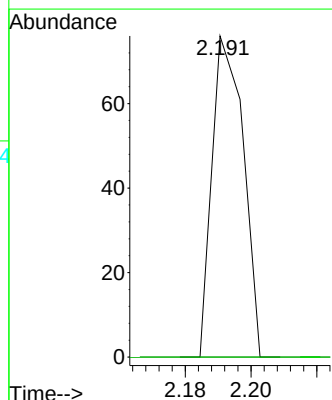
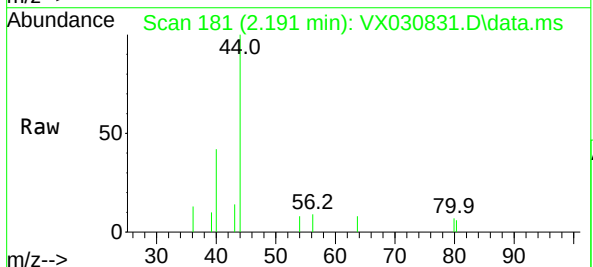
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

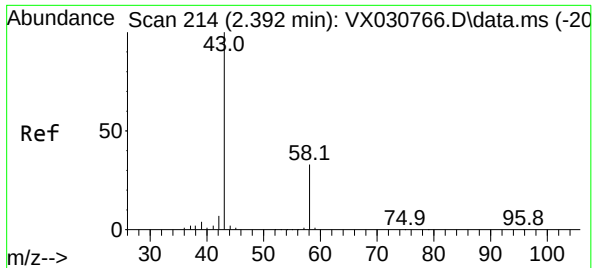
Tgt Ion: 96 Resp: 20410
Ion Ratio Lower Upper
96 100
61 155.8 117.4 176.0
98 61.7 52.2 78.4



#13
Acrolein
Concen: 10.155 ug/l
RT: 2.191 min Scan# 181
Delta R.T. -0.049 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

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

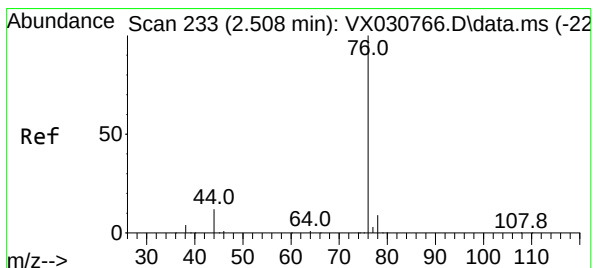
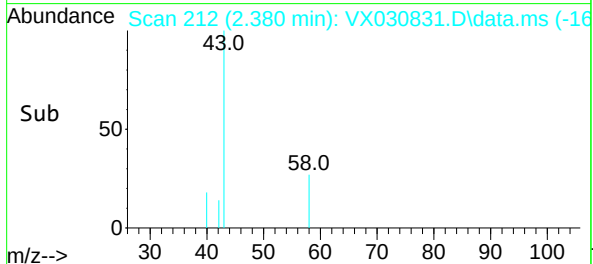
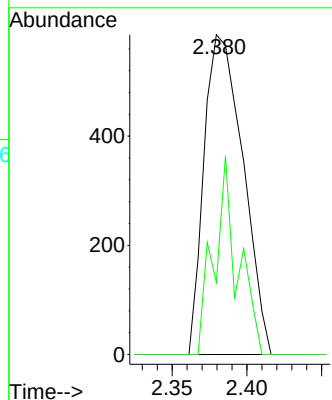
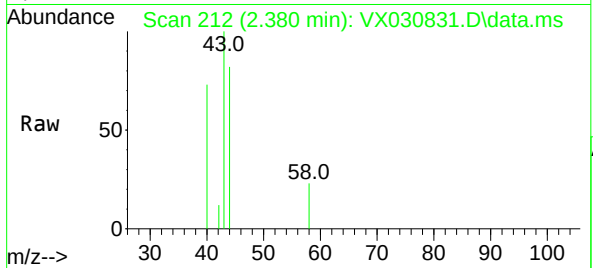




#16
Acetone
Concen: 0.945 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

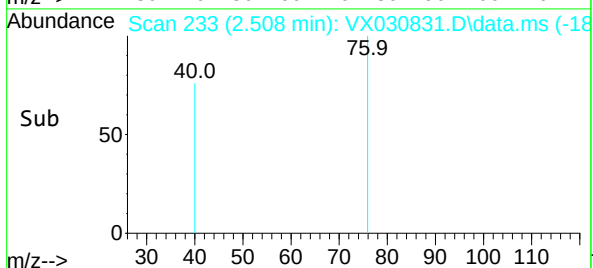
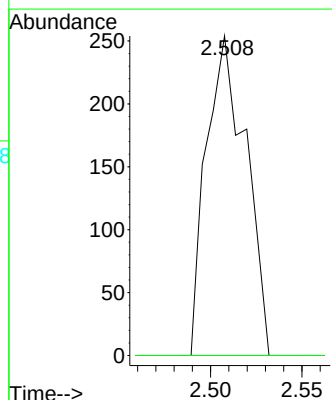
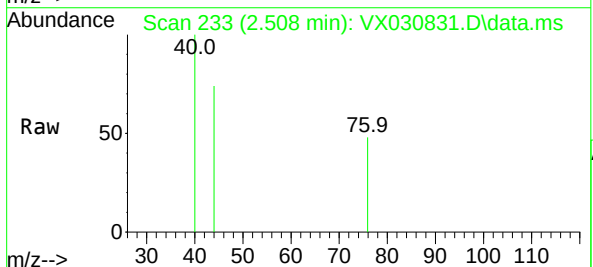
Instrument :
MSVOA_X
ClientSampleId :
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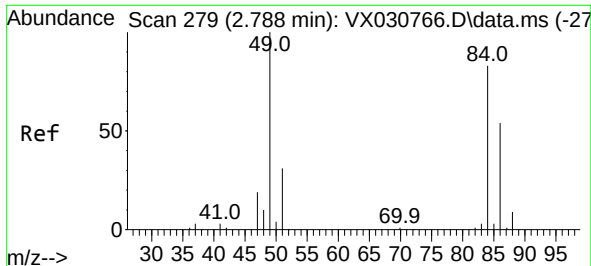
Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
58 22.5 27.7 41.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion: 76 Resp: 383
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030831.D

Acq: 26 Aug 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

MW-101S

Tgt Ion: 84 Resp: 648

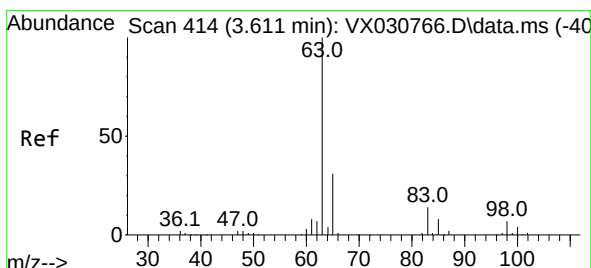
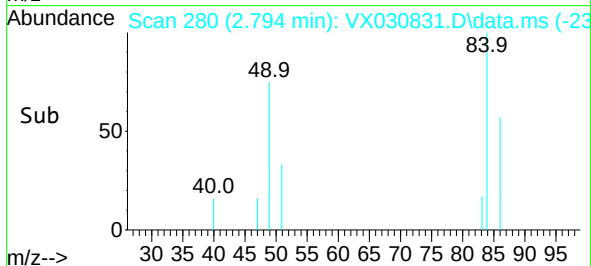
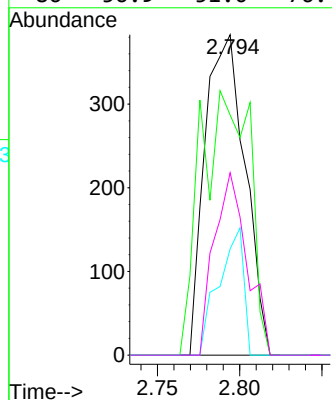
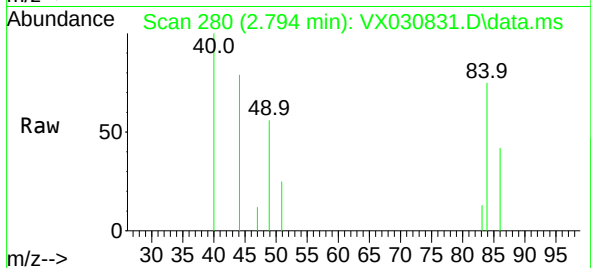
Ion Ratio Lower Upper

84 100

49 74.9 93.8 140.6#

51 33.2 29.4 44.0

86 56.9 51.0 76.4



#24

1,1-Dichloroethane

Concen: 8.666 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX030831.D

Acq: 26 Aug 2022 17:49

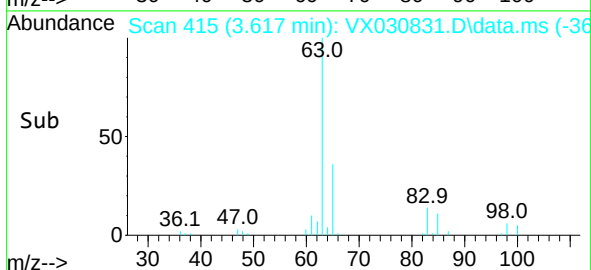
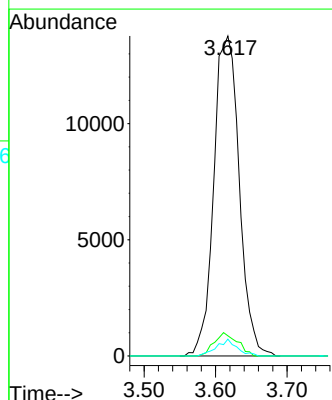
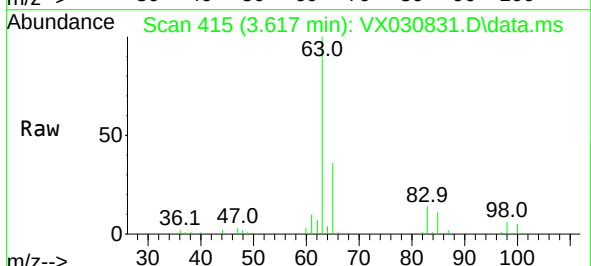
Tgt Ion: 63 Resp: 34066

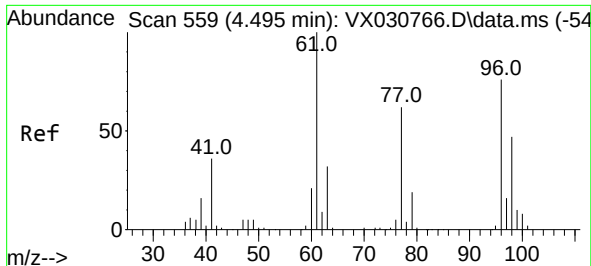
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 5.3 2.3 6.9





#27

cis-1,2-Dichloroethene

Concen: 16.456 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX030831.D

Acq: 26 Aug 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

MW-101S

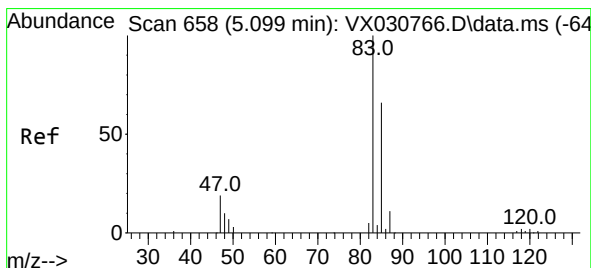
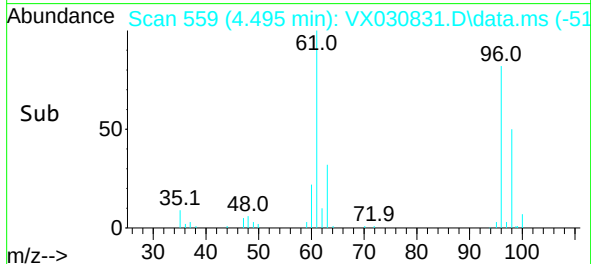
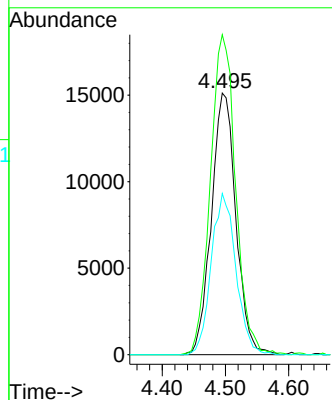
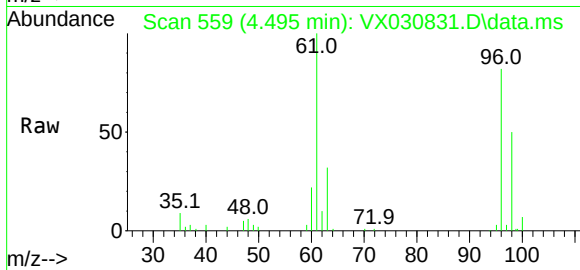
Tgt Ion: 96 Resp: 40752

Ion Ratio Lower Upper

96 100

61 125.8 0.0 270.0

98 61.9 0.0 127.8



#30

Chloroform

Concen: 1.138 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.000 min

Lab File: VX030831.D

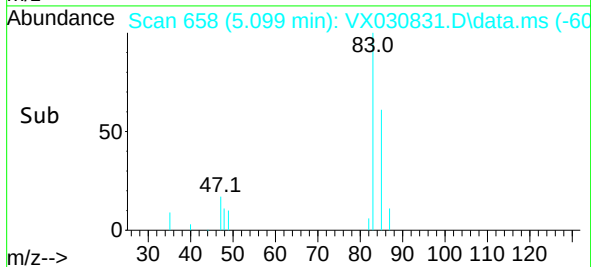
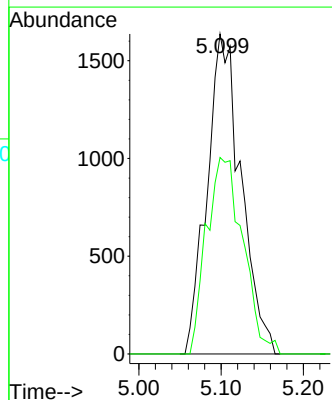
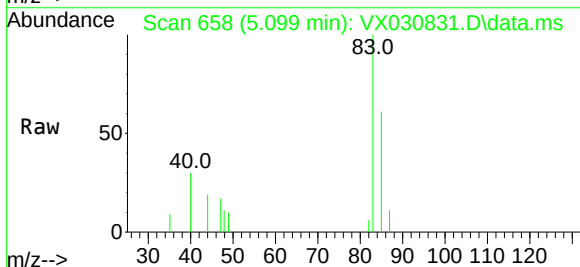
Acq: 26 Aug 2022 17:49

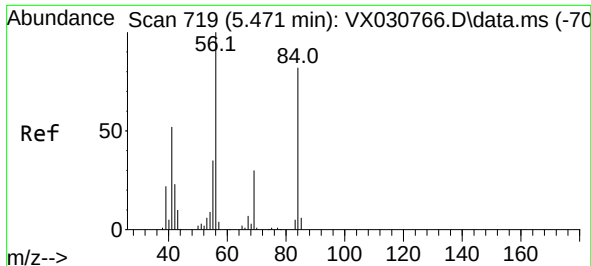
Tgt Ion: 83 Resp: 4709

Ion Ratio Lower Upper

83 100

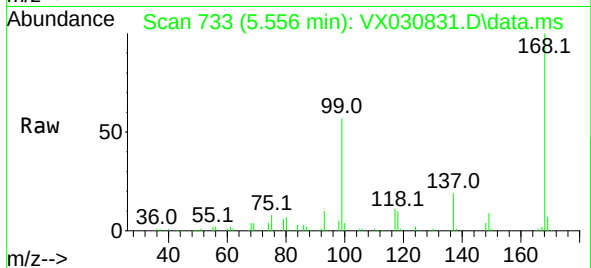
85 61.4 51.5 77.3



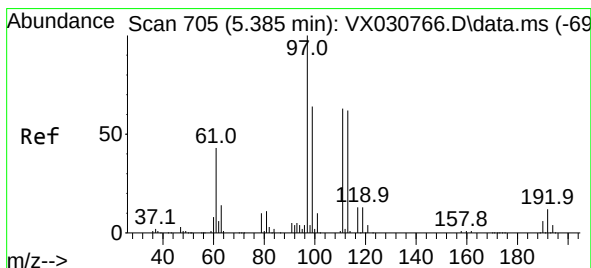
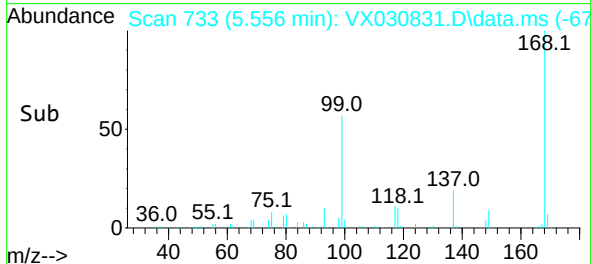
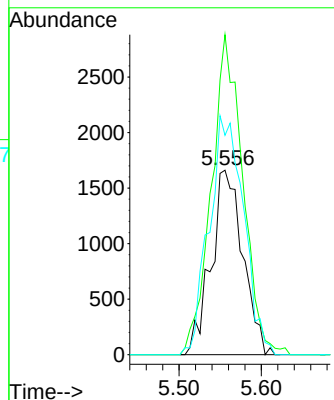


#31
Cyclohexane
Concen: 1.439 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Instrument :
MSVOA_X
ClientSampleId :
MW-101S

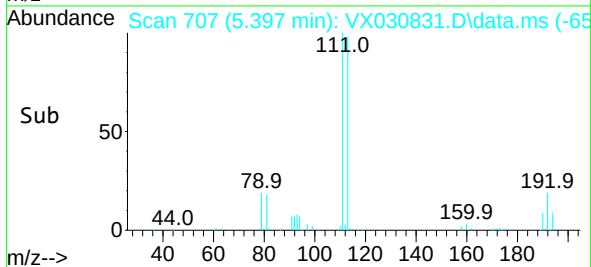
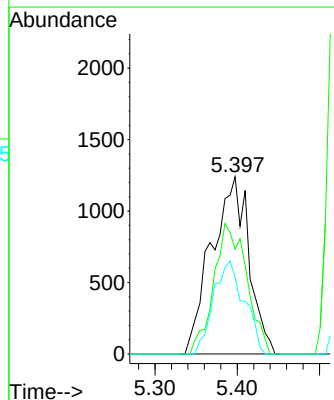
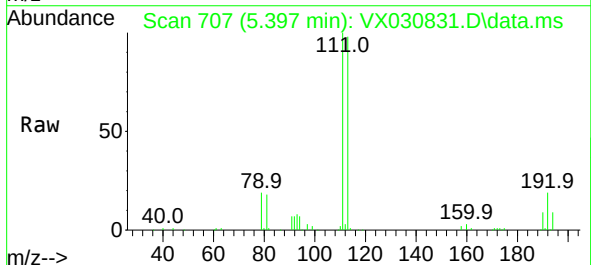


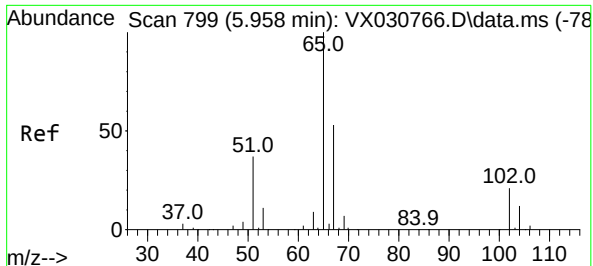
Tgt Ion: 56 Resp: 4456
Ion Ratio Lower Upper
56 100
69 173.4 25.4 38.0#
84 118.9 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 1.169 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.012 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion: 97 Resp: 3911
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 43.3 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 55.246 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030831.D

Acq: 26 Aug 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

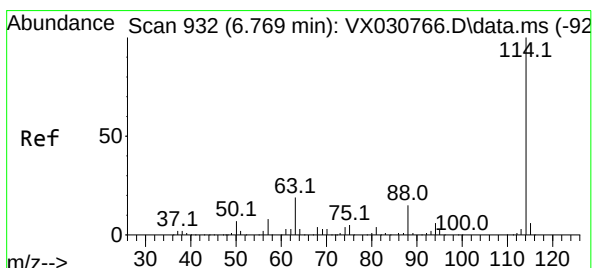
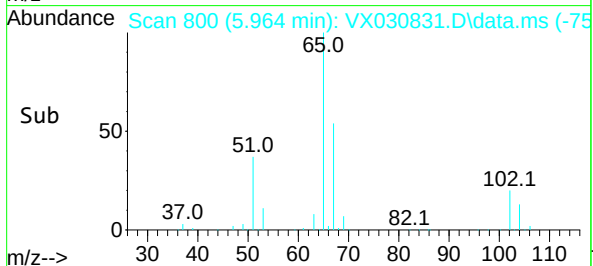
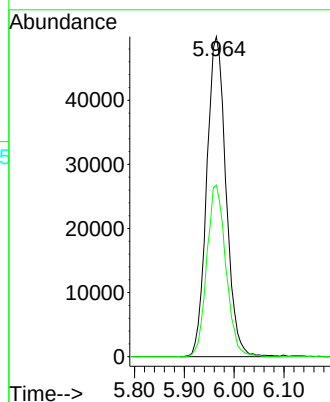
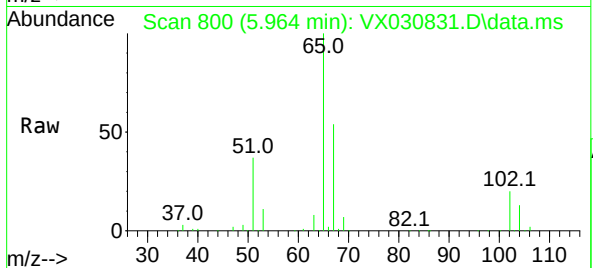
MW-101S

Tgt Ion: 65 Resp: 133777

Ion Ratio Lower Upper

65 100

67 53.2 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: VX030831.D

Acq: 26 Aug 2022 17:49

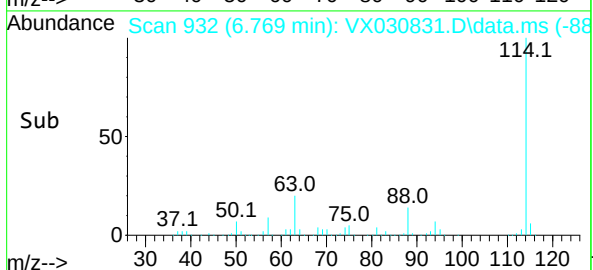
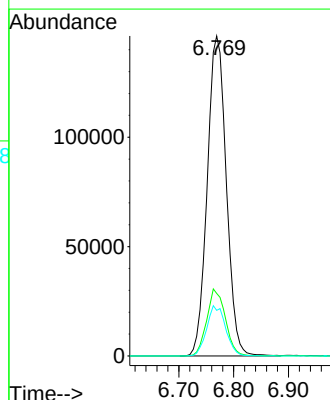
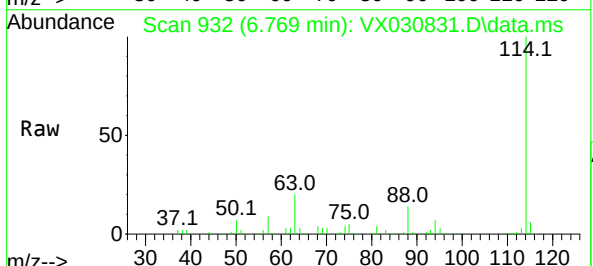
Tgt Ion:114 Resp: 352849

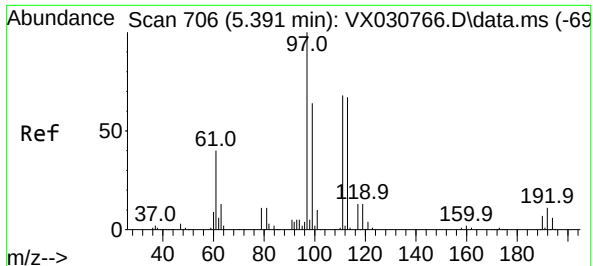
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

88 14.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.965 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030831.D

Acq: 26 Aug 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

MW-101S

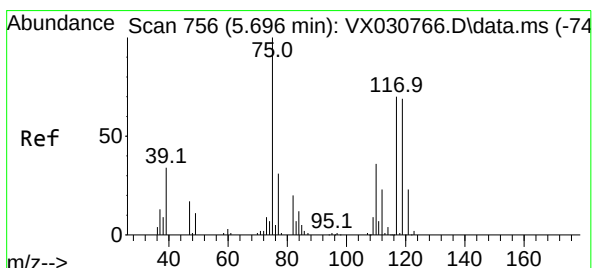
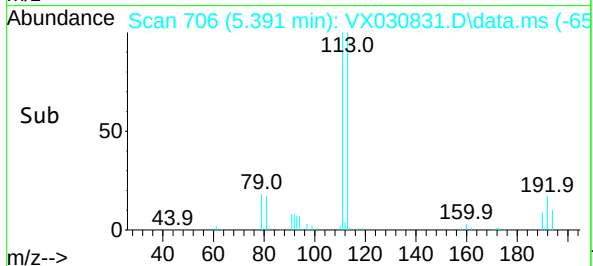
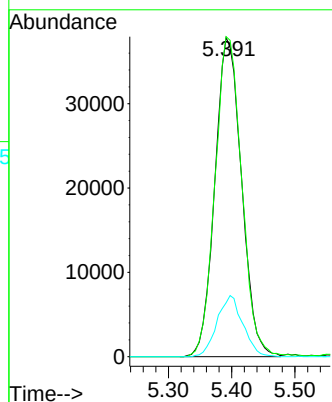
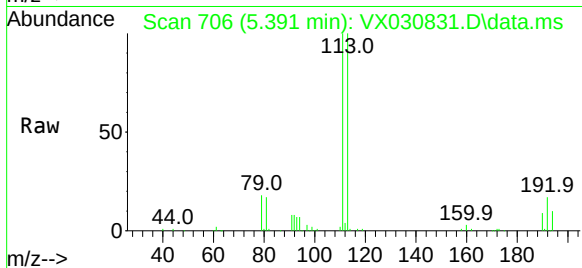
Tgt Ion:113 Resp: 110521

Ion Ratio Lower Upper

113 100

111 100.8 83.2 124.8

192 18.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.682 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030831.D

Acq: 26 Aug 2022 17:49

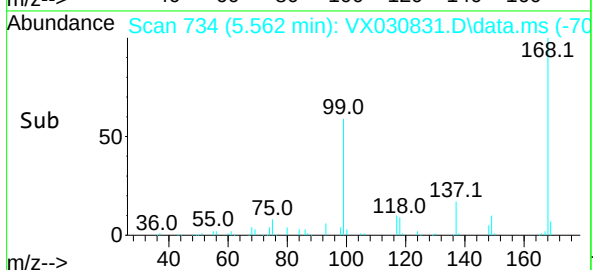
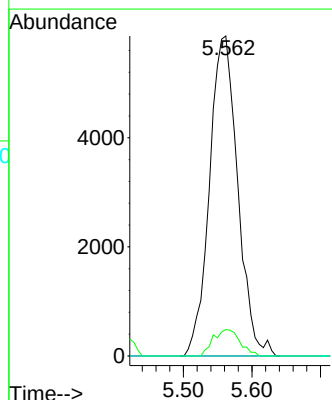
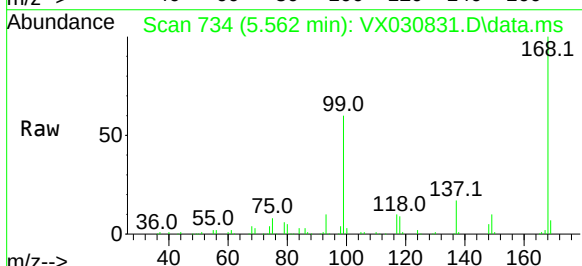
Tgt Ion: 75 Resp: 16780

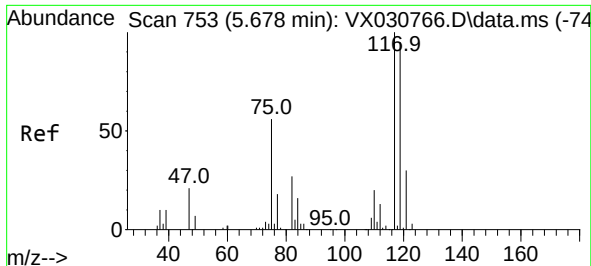
Ion Ratio Lower Upper

75 100

110 7.8 19.3 57.9#

77 0.0 24.4 36.6#

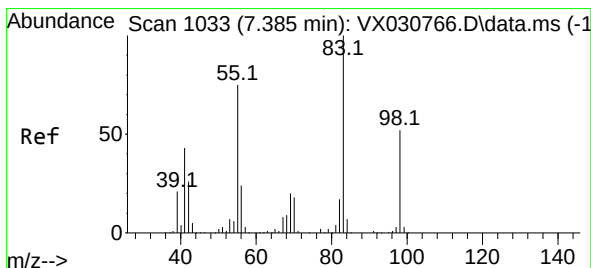
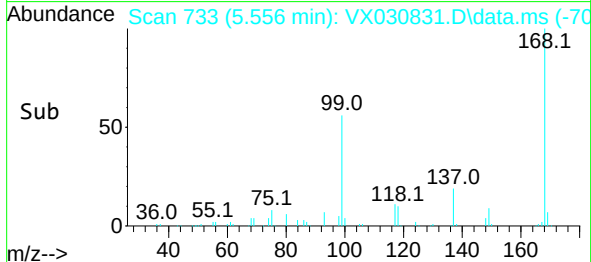
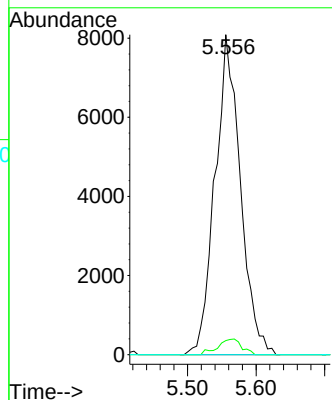
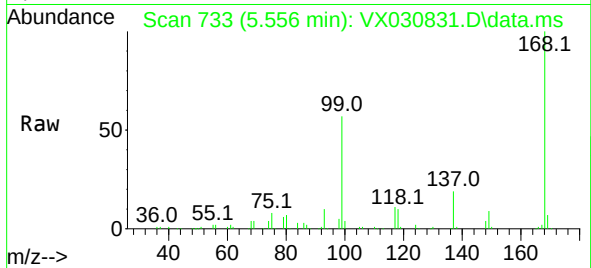




#38
Carbon Tetrachloride
Concen: 6.664 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

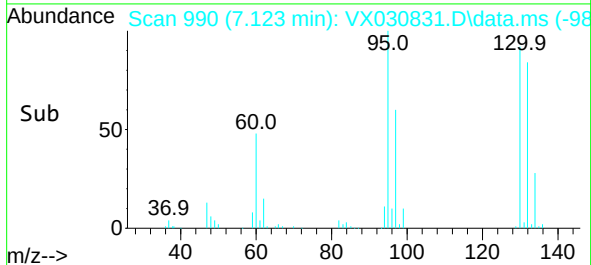
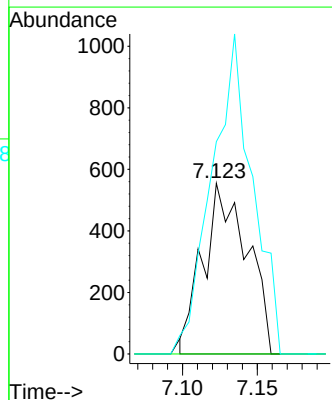
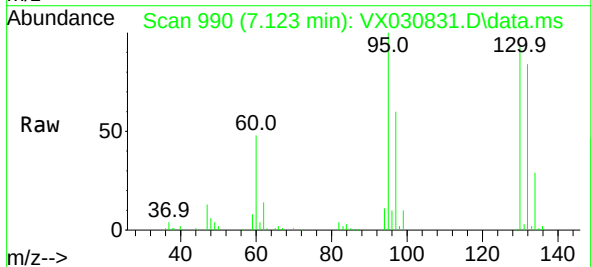
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

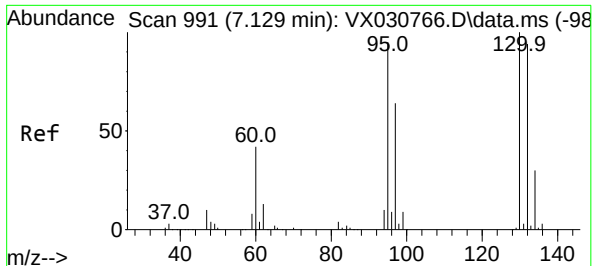
Tgt Ion:117 Resp: 20758
Ion Ratio Lower Upper
117 100
119 4.4 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.321 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion: 83 Resp: 1133
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 136.6 36.5 54.7#

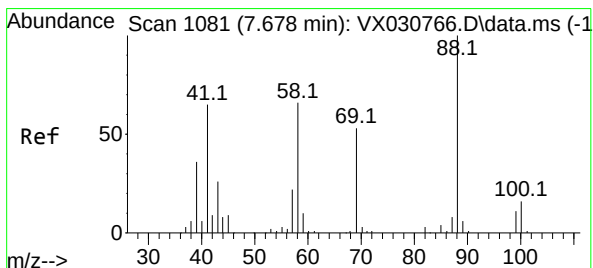
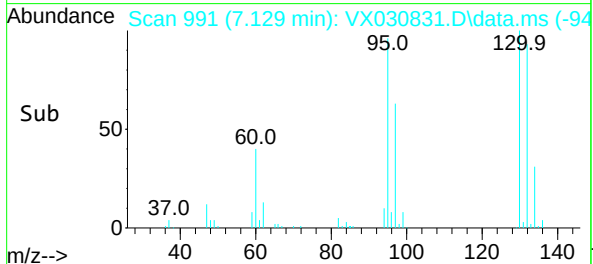
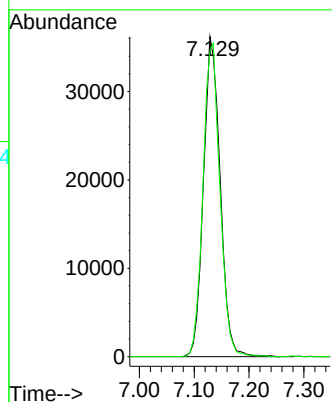
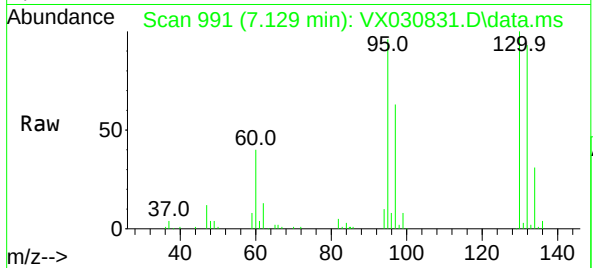




#44
Trichloroethene
Concen: 29.965 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

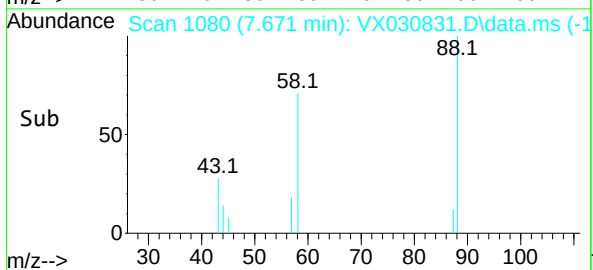
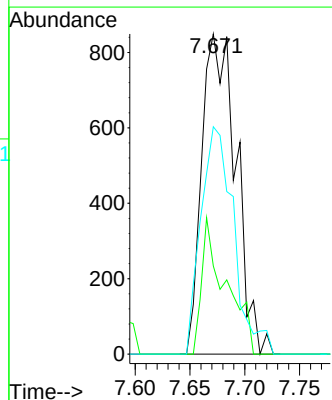
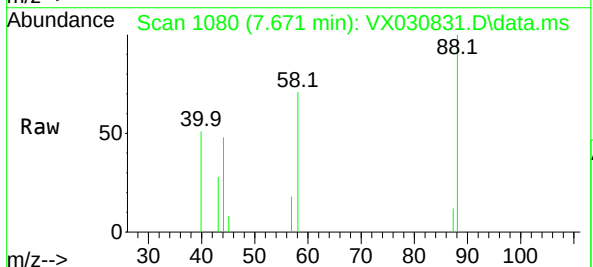
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

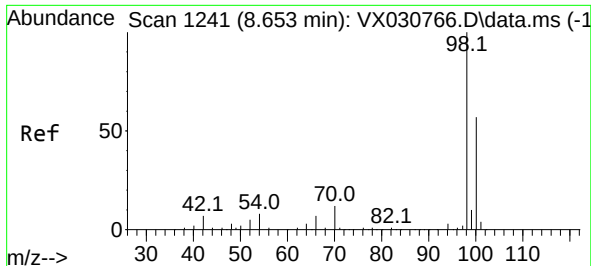
Tgt Ion:130 Resp: 76483
Ion Ratio Lower Upper
130 100
95 95.6 0.0 194.8



#49
1,4-Dioxane
Concen: 28.505 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.007 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion: 88 Resp: 1848
Ion Ratio Lower Upper
88 100
43 30.1 23.8 35.8
58 68.2 53.8 80.6

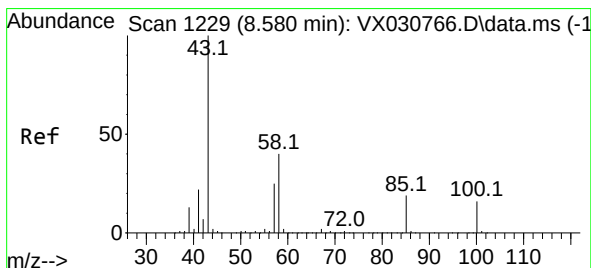
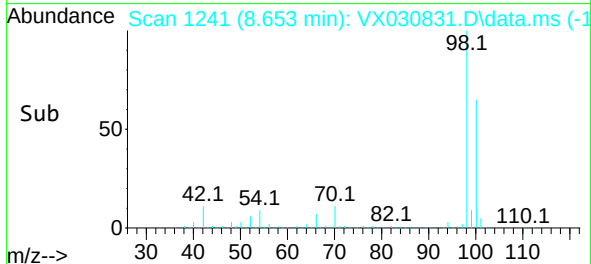
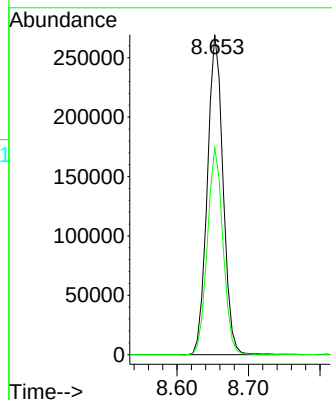
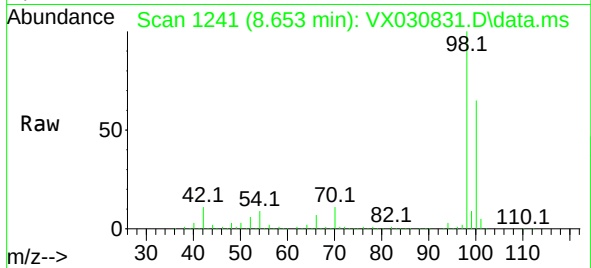




#50
Toluene-d8
Concen: 54.437 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

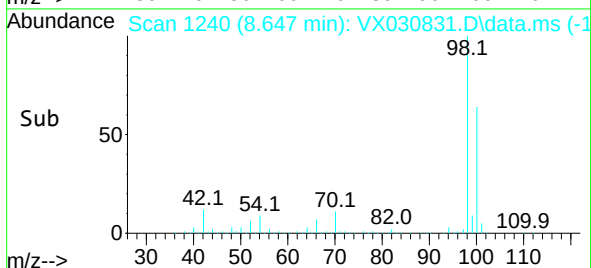
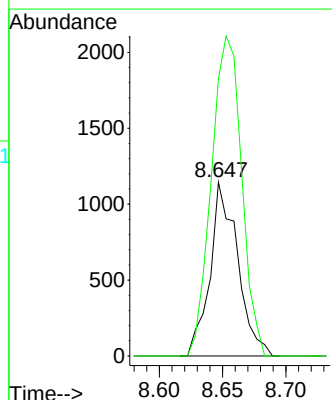
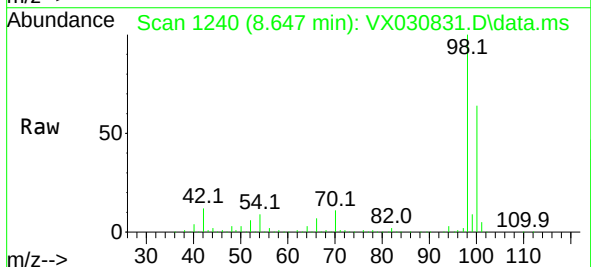
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

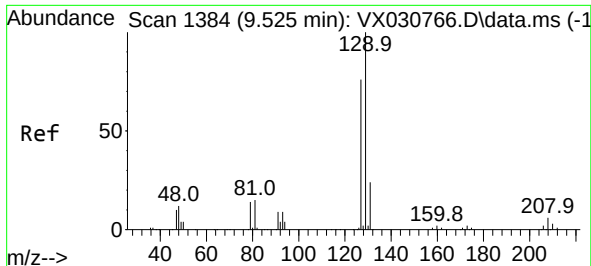
Tgt Ion: 98 Resp: 411364
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.488 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
58 202.0 31.4 47.2#

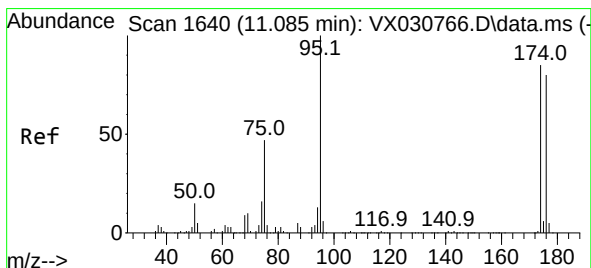
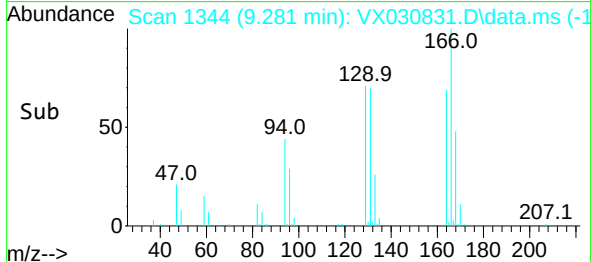
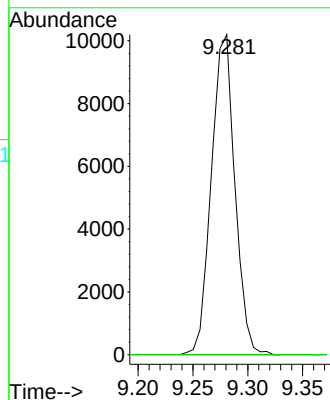
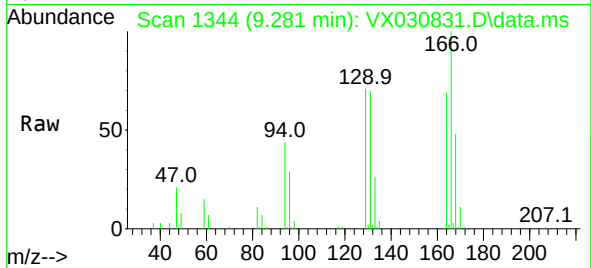




#60
Dibromochloromethane
Concen: 5.959 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

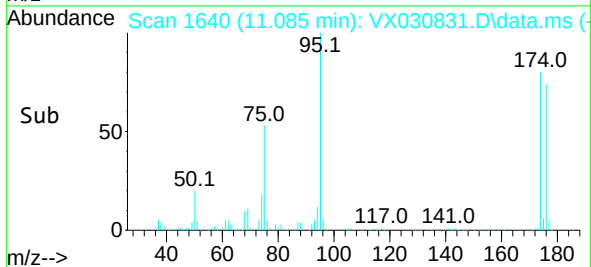
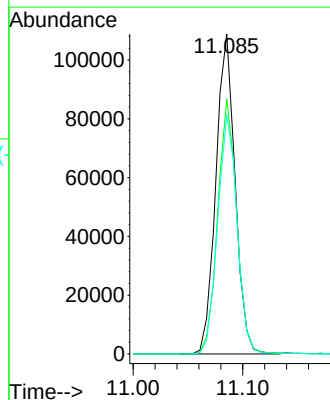
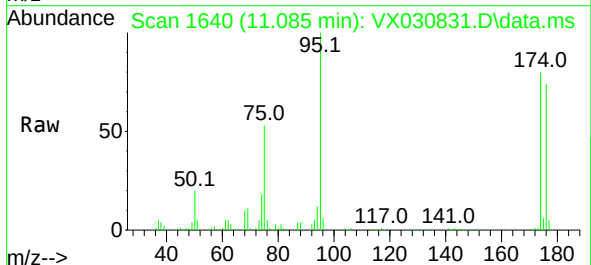
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

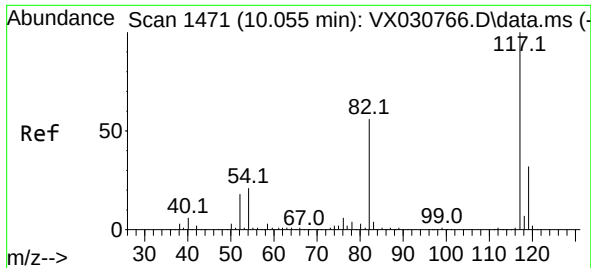
Tgt Ion:129 Resp: 15228
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.217 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion: 95 Resp: 132839
Ion Ratio Lower Upper
95 100
174 79.1 0.0 149.0
176 75.1 0.0 146.0

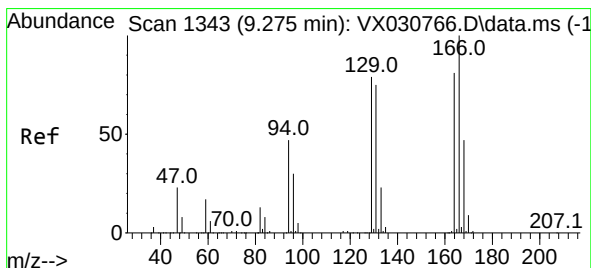
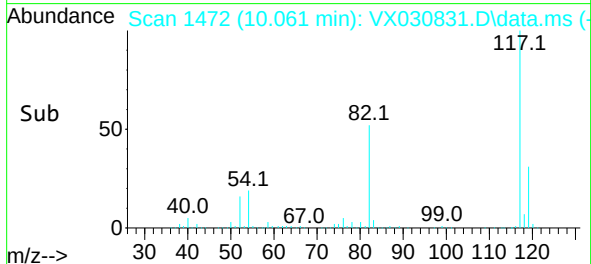
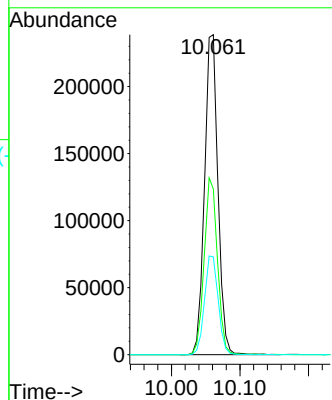
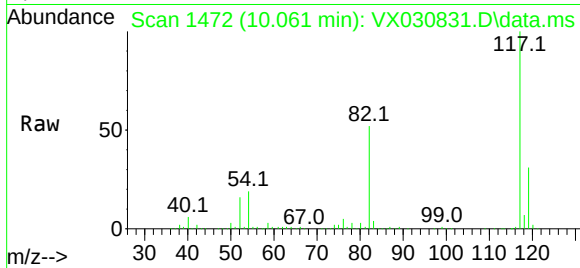




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

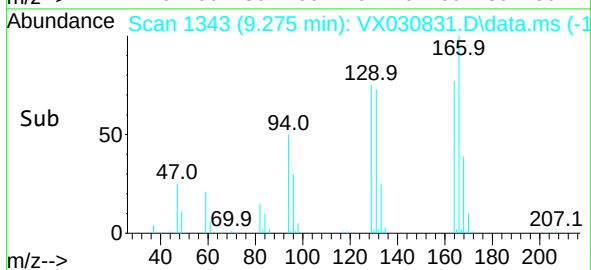
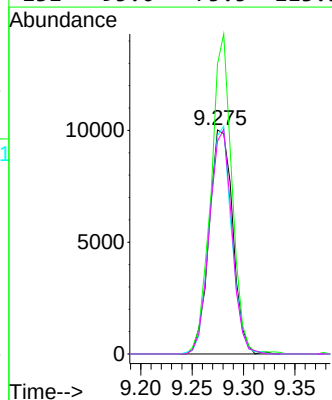
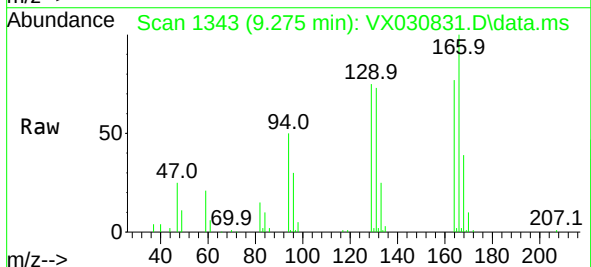
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

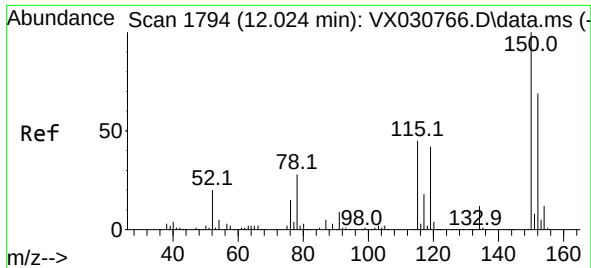
Tgt Ion:117 Resp: 325186
Ion Ratio Lower Upper
117 100
82 51.8 42.7 64.1
119 30.6 25.4 38.2



#64
Tetrachloroethene
Concen: 6.231 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030831.D
Acq: 26 Aug 2022 17:49

Tgt Ion:164 Resp: 15961
Ion Ratio Lower Upper
164 100
166 129.4 98.2 147.4
129 97.4 80.8 121.2
131 95.0 75.5 113.3

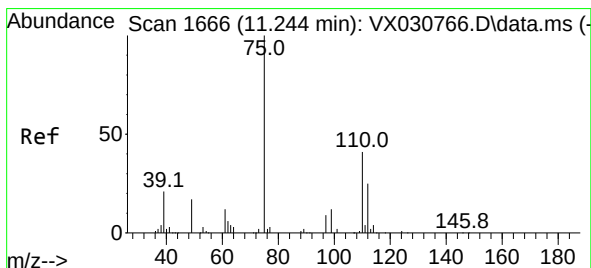
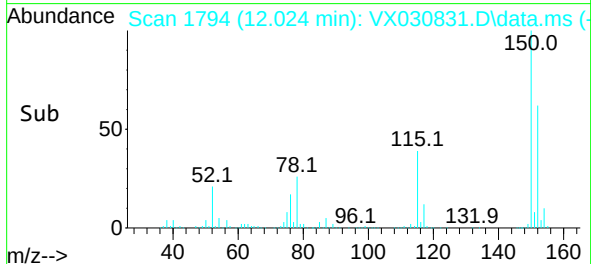
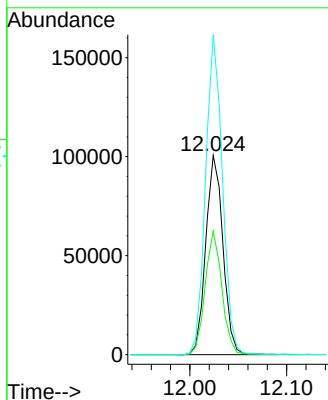
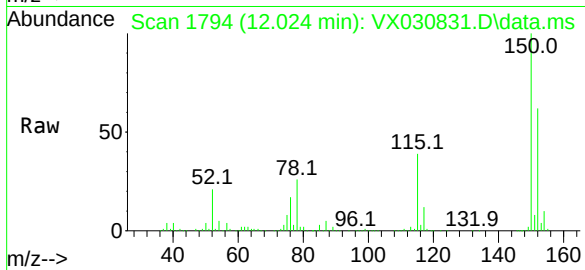




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030831.D
 Acq: 26 Aug 2022 17:49

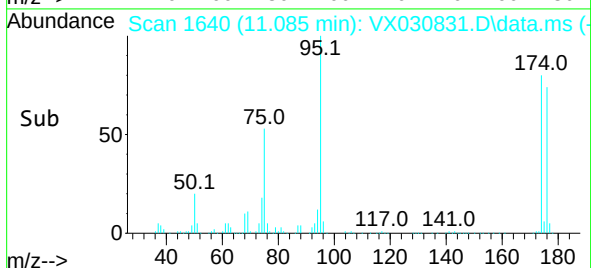
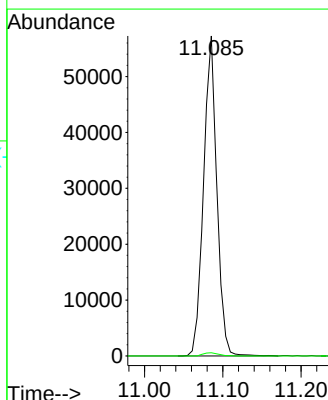
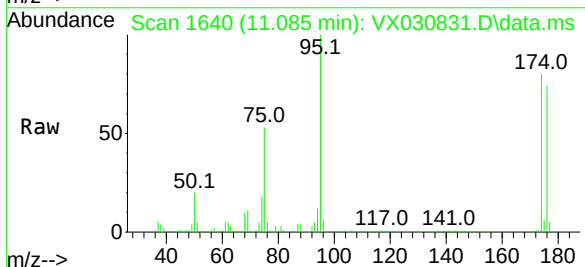
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

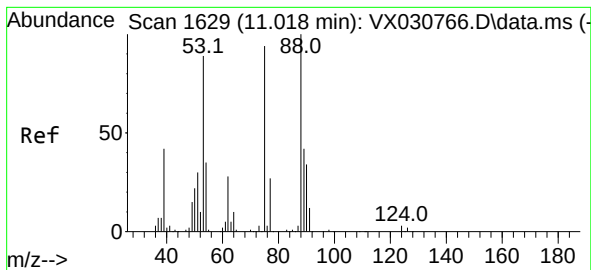
Tgt Ion:152 Resp: 124751
 Ion Ratio Lower Upper
 152 100
 115 60.3 40.5 121.5
 150 157.5 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.651 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030831.D
 Acq: 26 Aug 2022 17:49

Tgt Ion: 75 Resp: 67375
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.535 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030831.D
 Acq: 26 Aug 2022 17:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

Tgt Ion: 75 Resp: 67375
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

