

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042117.D
 Acq On : 01 Jul 2024 16:18
 Operator : JC/MD
 Sample : P3092-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW1A-20240626

Quant Time: Jul 02 02:07:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

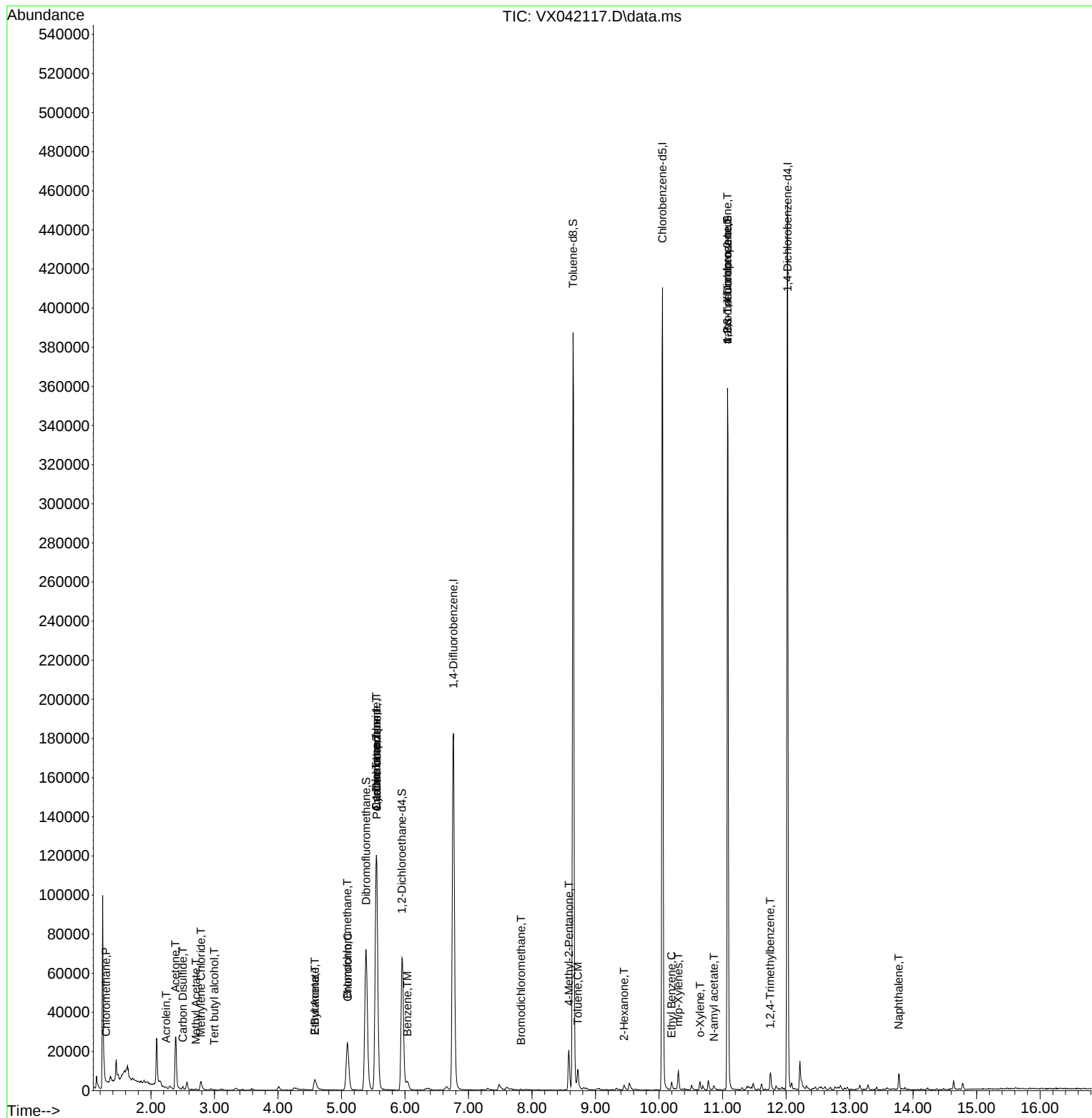
Internal Standards						
1) Pentafluorobenzene	5.556	168	136159	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	209085	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66107	42.104	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.200%		
35) Dibromofluoromethane	5.385	113	64255	43.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.620%		
50) Toluene-d8	8.647	98	240842	46.210	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.420%		
62) 4-Bromofluorobenzene	11.079	95	95222	49.563	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.120%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	508	0.390	ug/l	# 43
6) Chloroethane	1.660	64	1550	Below Cal	#	43
11) Tert butyl alcohol	2.995	59	230	0.772	ug/l	# 78
13) Acrolein	2.239	56	342	1.024	ug/l	85
16) Acetone	2.386	43	32006	46.424	ug/l	92
17) Carbon Disulfide	2.501	76	1816	0.758	ug/l	# 83
18) Methyl Acetate	2.709	43	658	0.350	ug/l	# 53
20) Methylene Chloride	2.788	84	2613	1.731	ug/l	# 81
25) 2-Butanone	4.580	43	12140	11.319	ug/l	91
28) Bromochloromethane	5.092	49	2048	2.169	ug/l	# 16
30) Chloroform	5.099	83	29783	12.967	ug/l	98
31) Cyclohexane	5.550	56	2021	1.101	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7811	4.958	ug/l	# 49
37) Ethyl Acetate	4.580	43	12140	5.916	ug/l	# 69
38) Carbon Tetrachloride	5.550	117	11246	6.461	ug/l	# 16
40) Benzene	6.037	78	5630	1.060	ug/l	100
47) Bromodichloromethane	7.830	83	440	0.252	ug/l	# 97
51) 4-Methyl-2-Pentanone	8.580	43	13242	6.103	ug/l	97
52) Toluene	8.720	92	3990	1.179	ug/l	98
59) 2-Hexanone	9.451	43	2132	1.283	ug/l	96
67) Ethyl Benzene	10.195	91	2830	0.420	ug/l	93
68) m/p-Xylenes	10.305	106	2534	0.931	ug/l	91
69) o-Xylene	10.646	106	1084	0.402	ug/l	99
74) N-amyl acetate	10.866	43	1063	0.363	ug/l	# 68
76) 1,2,3-Trichloropropane	11.079	75	42681	21.661	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	42681	61.514	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.750	105	4756	0.862	ug/l	95
95) Naphthalene	13.774	128	6175	1.530	ug/l	98

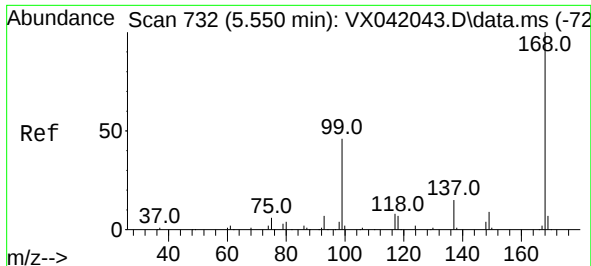
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration

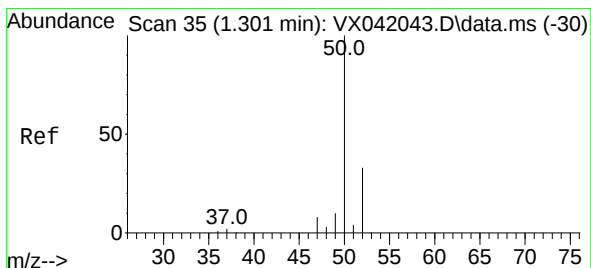
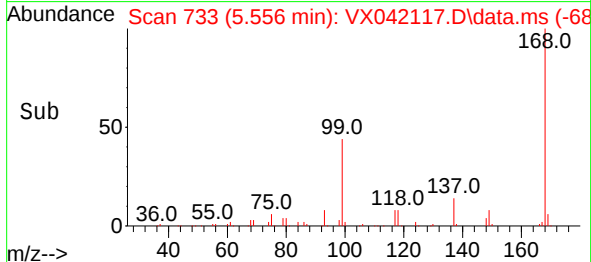
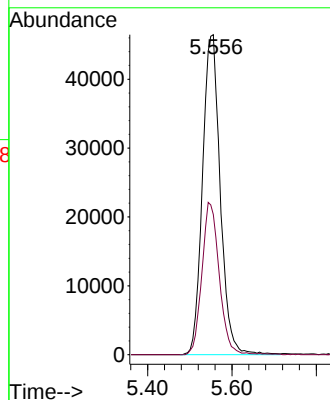
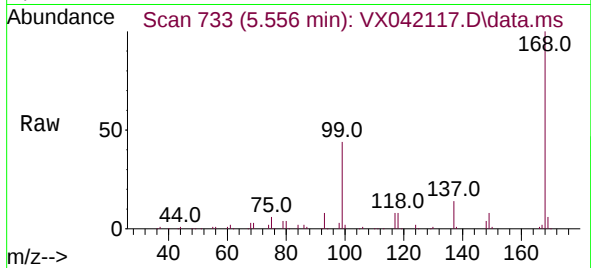




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 74
Delta R.T. 0.006 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

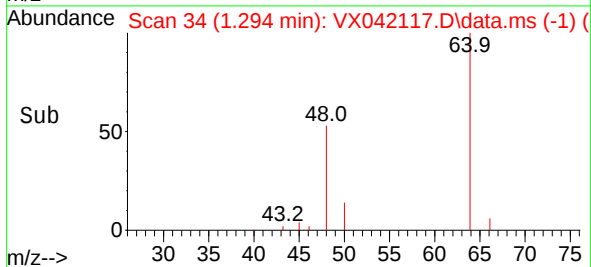
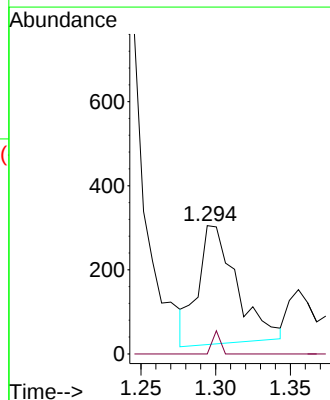
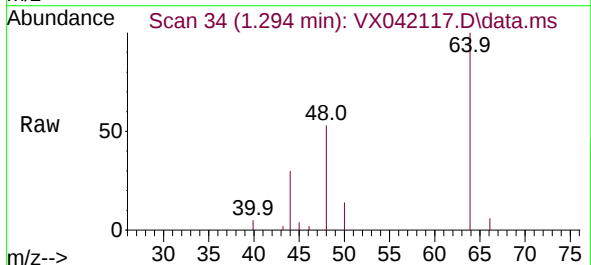
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

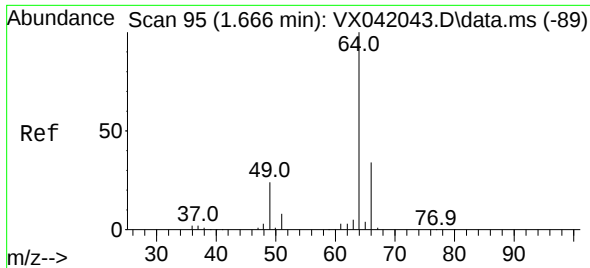
Tgt Ion:168 Resp: 136159
Ion Ratio Lower Upper
168 100
99 43.8 56.6 85.0#



#3
Chloromethane
Concen: 0.390 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 50 Resp: 508
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

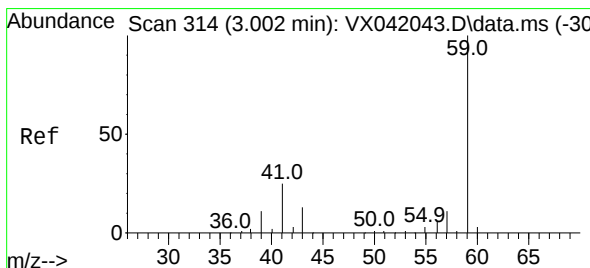
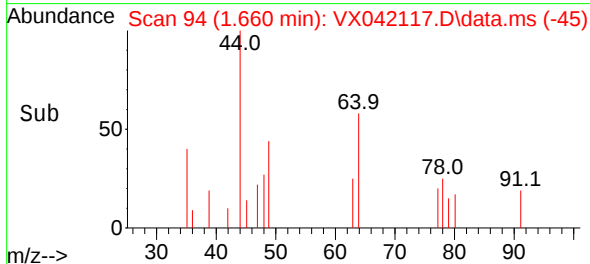
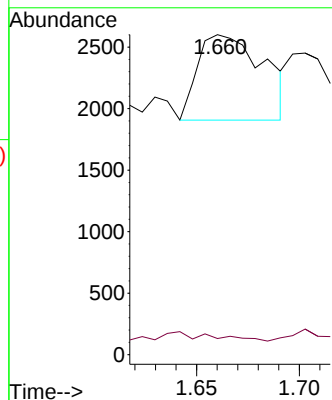
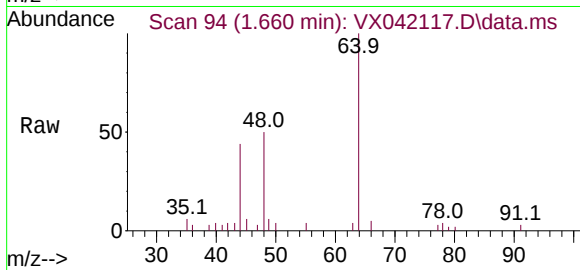




#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

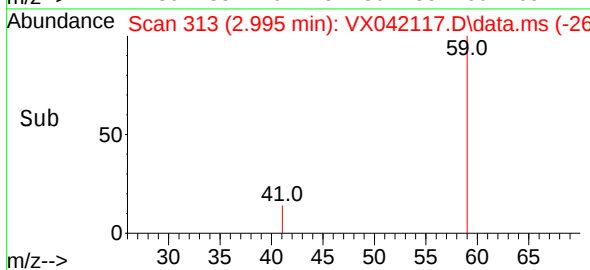
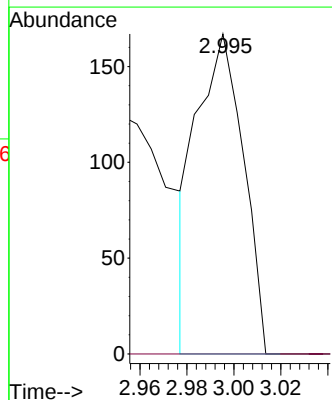
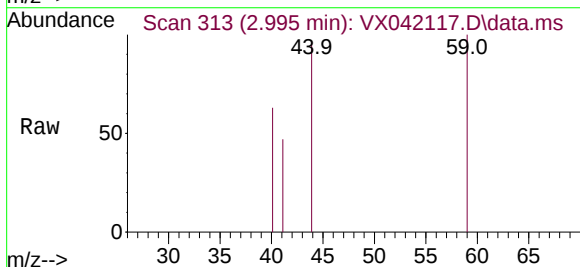
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

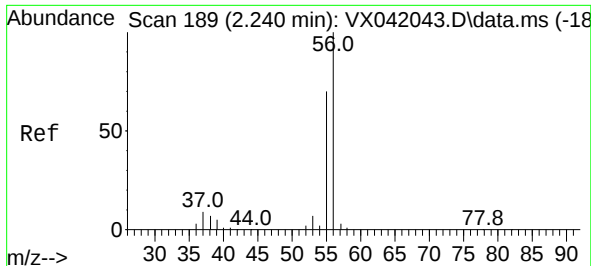
Tgt Ion: 64 Resp: 1550
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.772 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.012 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

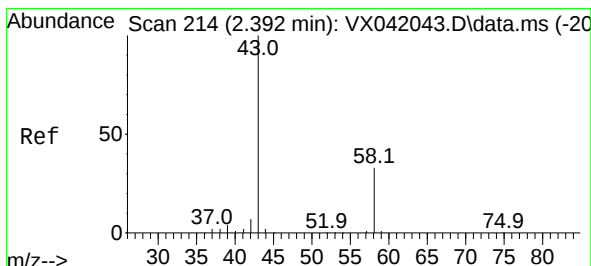
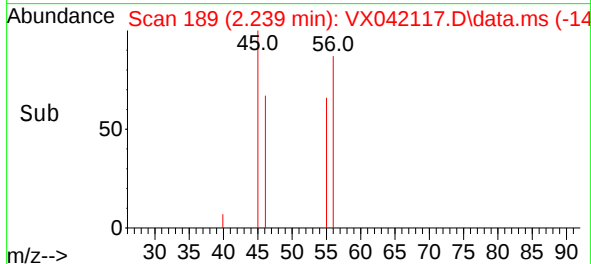
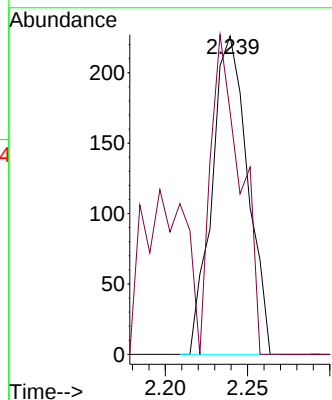
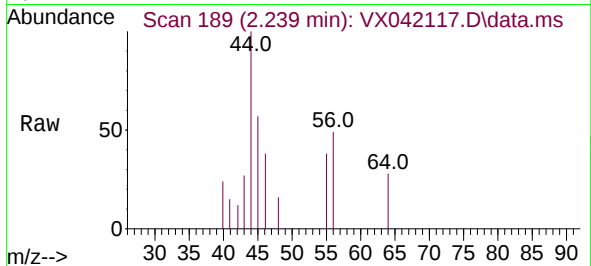




#13
Acrolein
Concen: 1.024 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

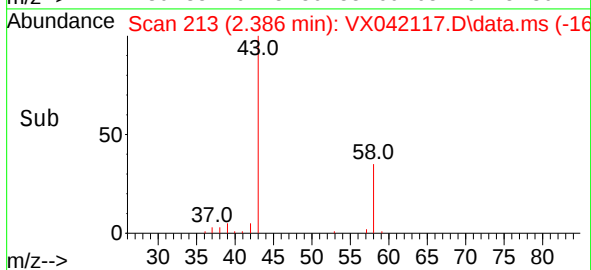
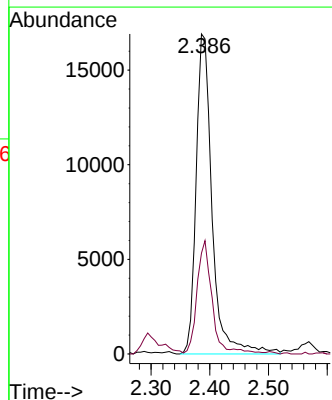
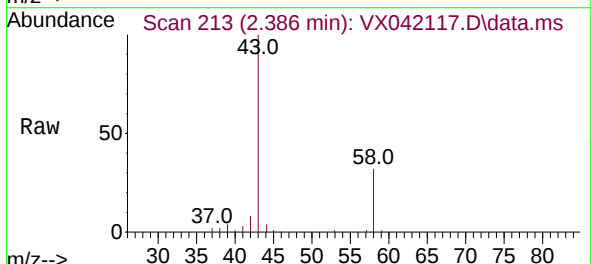
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

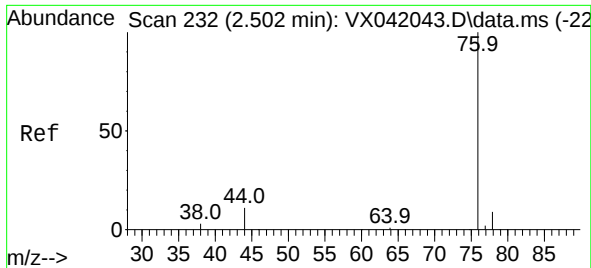
Tgt Ion: 56 Resp: 342
Ion Ratio Lower Upper
56 100
55 83.6 57.1 85.7



#16
Acetone
Concen: 46.424 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 43 Resp: 32006
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9

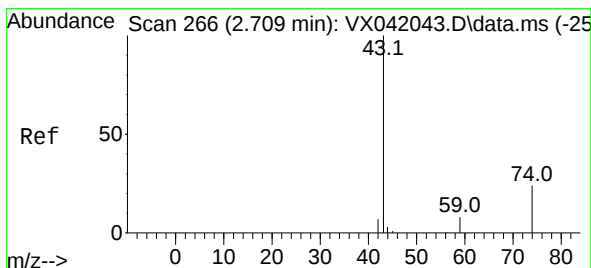
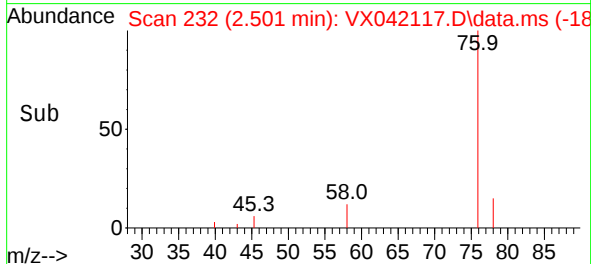
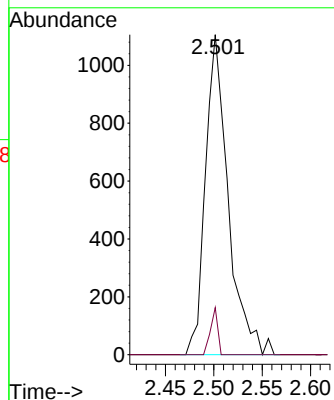
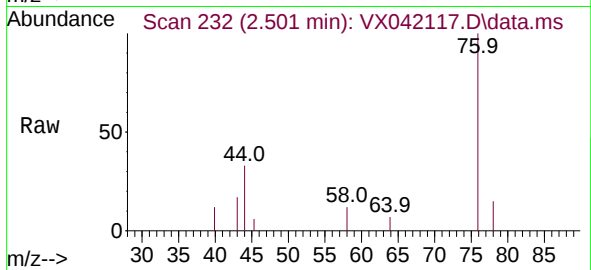




#17
Carbon Disulfide
Concen: 0.758 ug/l
RT: 2.501 min Scan# 241
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

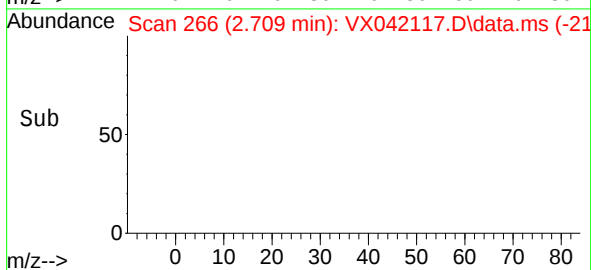
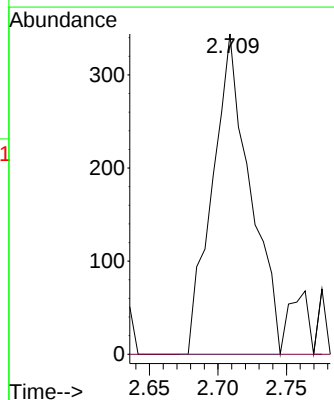
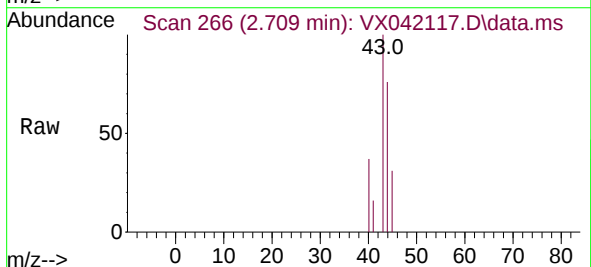
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

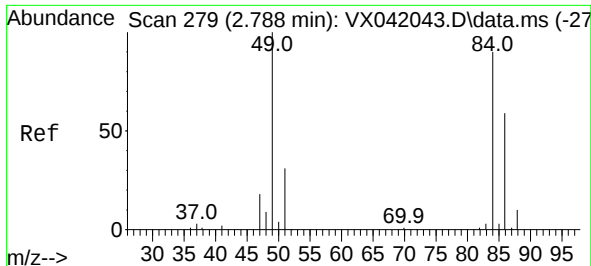
Tgt Ion: 76 Resp: 1816
Ion Ratio Lower Upper
76 100
78 14.7 7.0 10.6#



#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#





#20

Methylene Chloride

Concen: 1.731 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX042117.D

Acq: 01 Jul 2024 16:18

Instrument :

MSVOA_X

ClientSampleId :

MW1A-20240626

Tgt Ion: 84 Resp: 2613

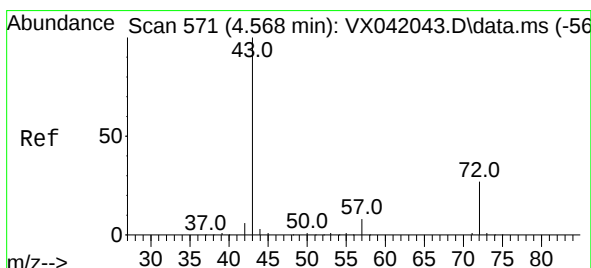
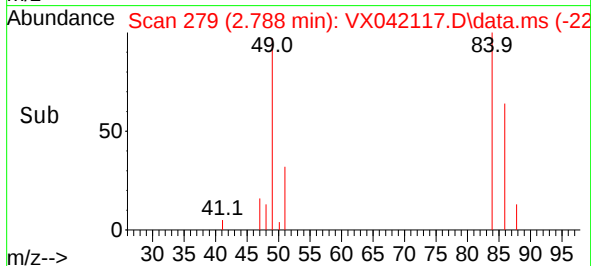
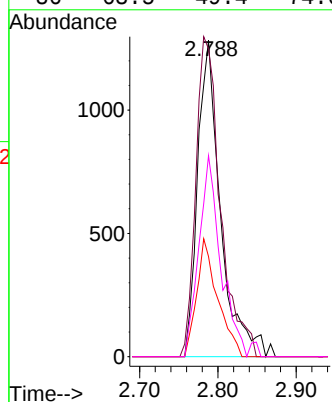
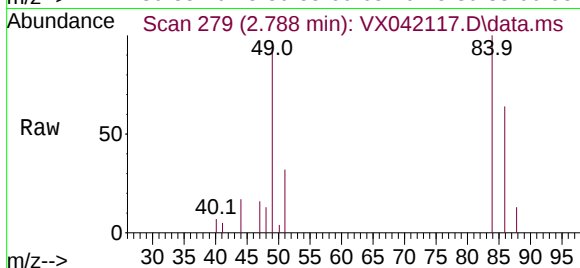
Ion Ratio Lower Upper

84 100

49 97.3 103.6 155.4#

51 31.6 33.8 50.6#

86 63.5 49.4 74.0



#25

2-Butanone

Concen: 11.319 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.006 min

Lab File: VX042117.D

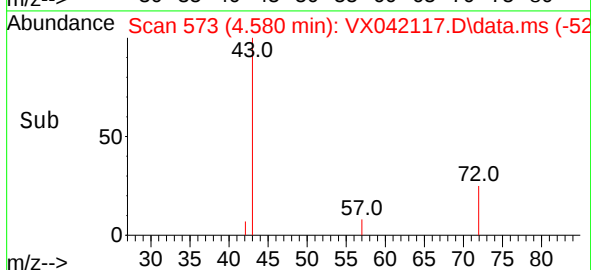
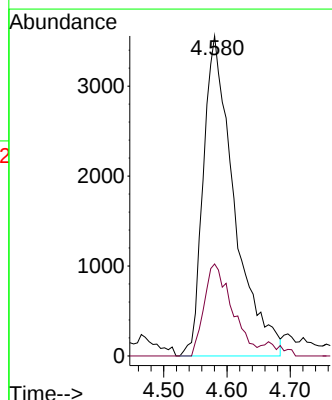
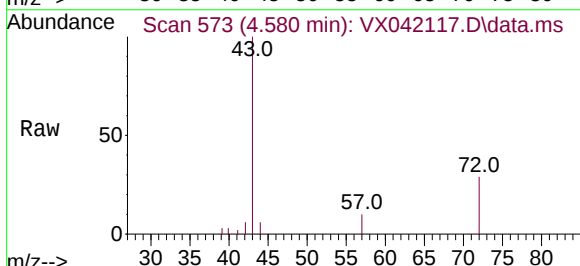
Acq: 01 Jul 2024 16:18

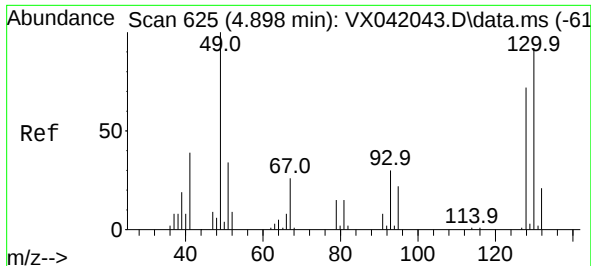
Tgt Ion: 43 Resp: 12140

Ion Ratio Lower Upper

43 100

72 28.7 19.4 29.2

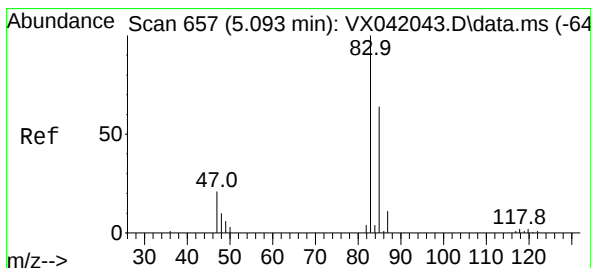
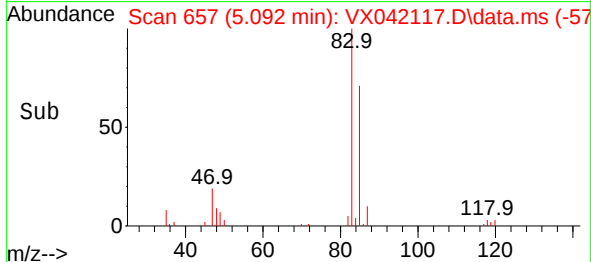
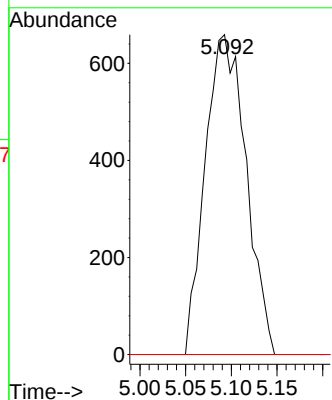
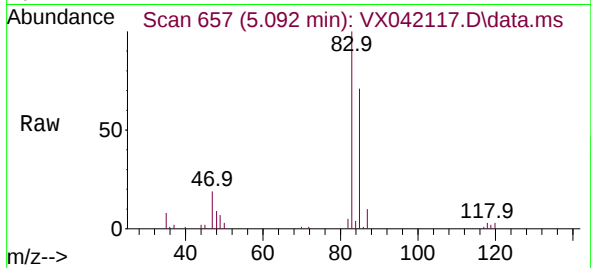




#28
Bromochloromethane
Concen: 2.169 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.189 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

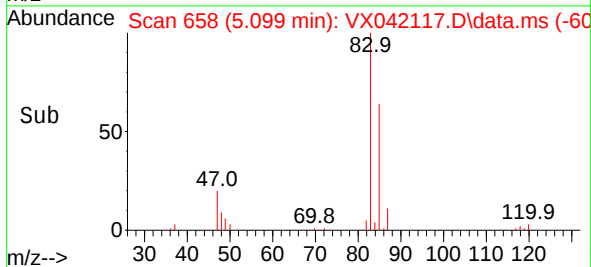
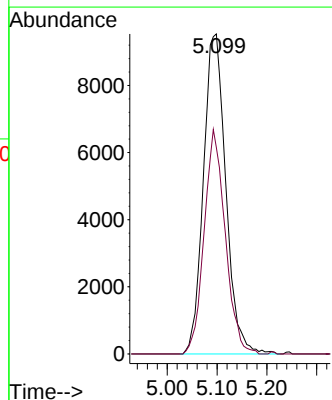
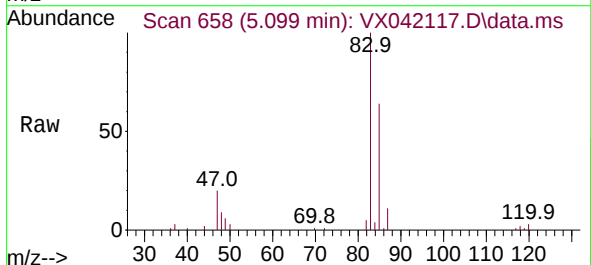
Instrument :
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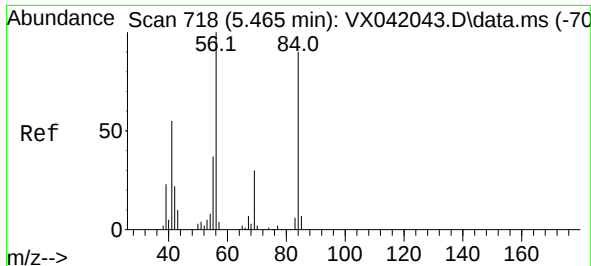
Tgt Ion: 49 Resp: 2048
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 12.967 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

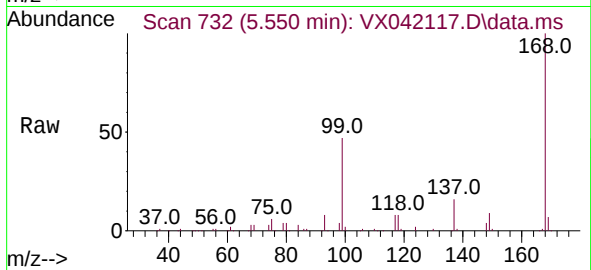
Tgt Ion: 83 Resp: 29783
Ion Ratio Lower Upper
83 100
85 64.5 50.3 75.5



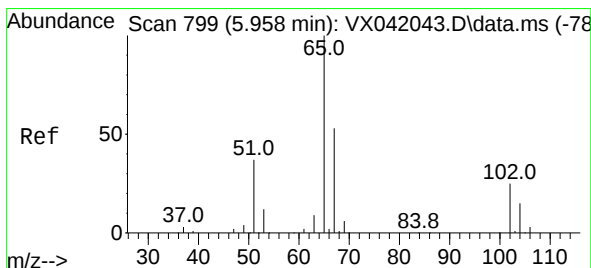
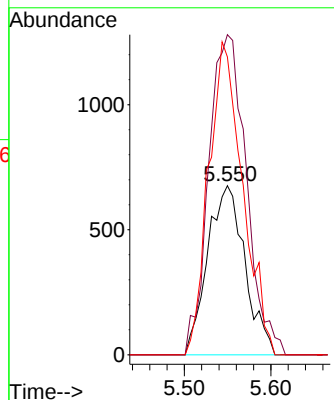
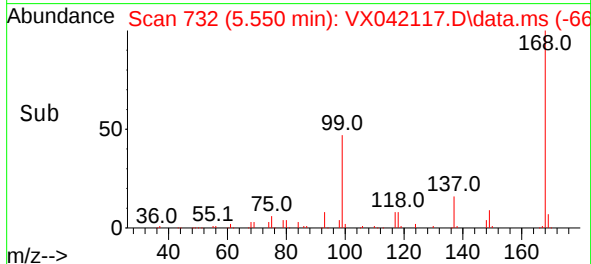


#31
Cyclohexane
Concen: 1.101 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

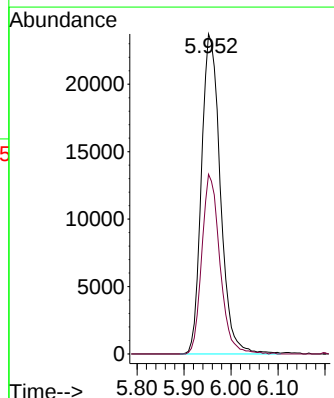
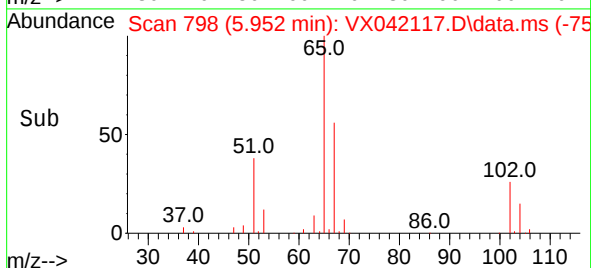
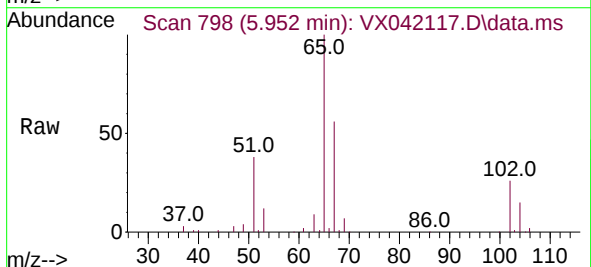


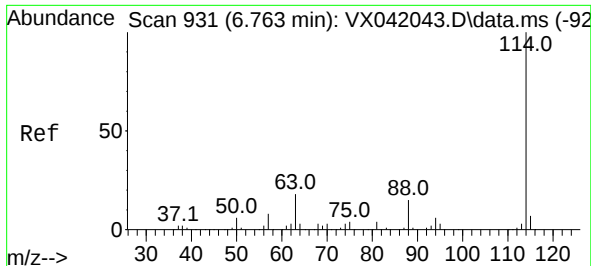
Tgt Ion: 56 Resp: 2021
Ion Ratio Lower Upper
56 100
69 189.3 23.4 35.2#
84 176.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.104 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 65 Resp: 66107
Ion Ratio Lower Upper
65 100
67 53.9 0.0 100.2

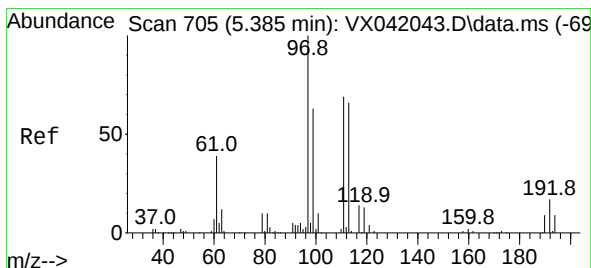
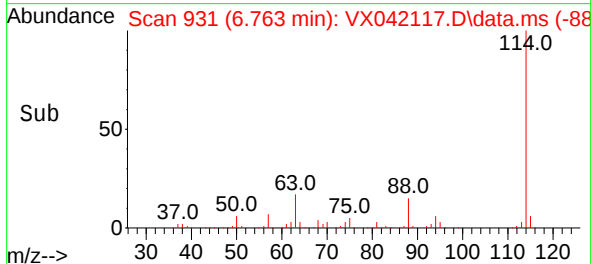
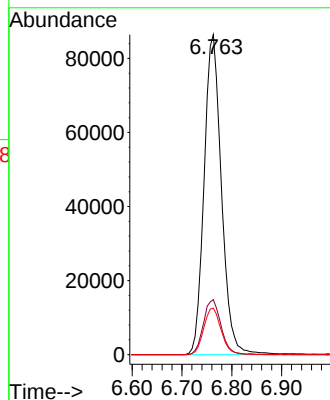
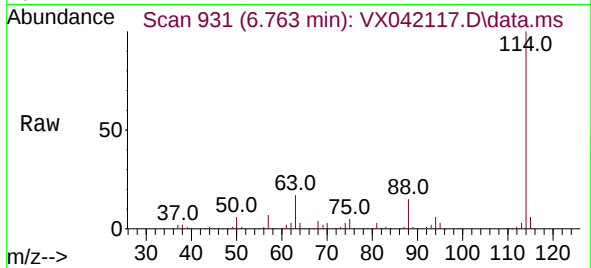




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

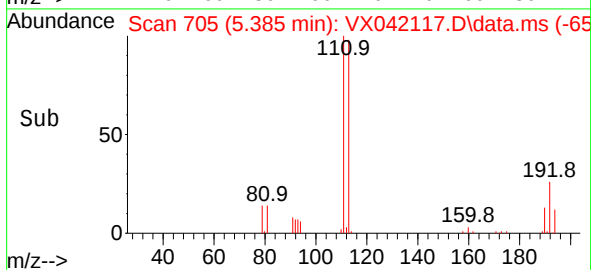
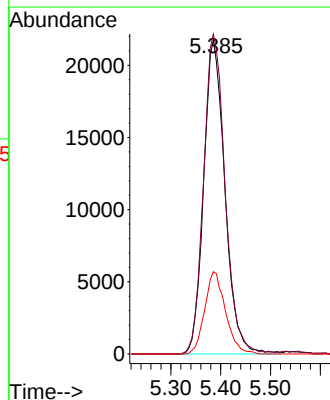
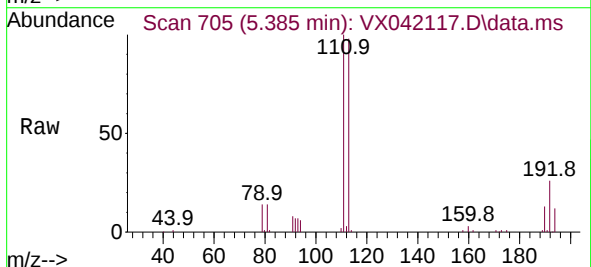
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

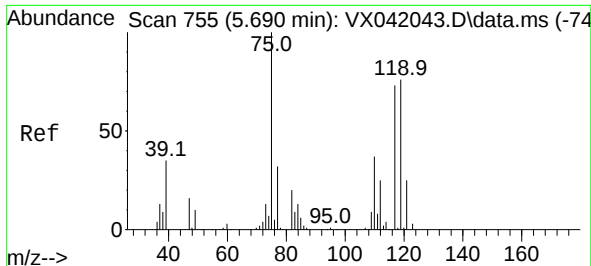
Tgt Ion:114 Resp: 209085
Ion Ratio Lower Upper
114 100
63 17.2 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.311 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion:113 Resp: 64255
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 25.6 13.3 19.9#

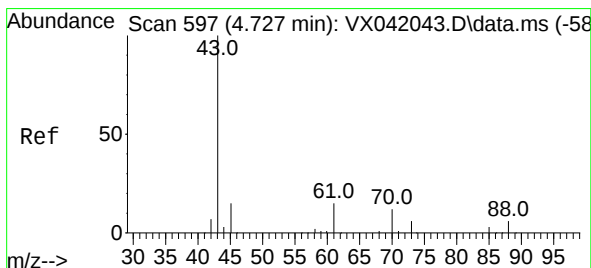
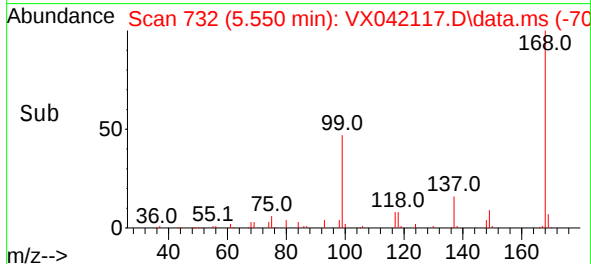
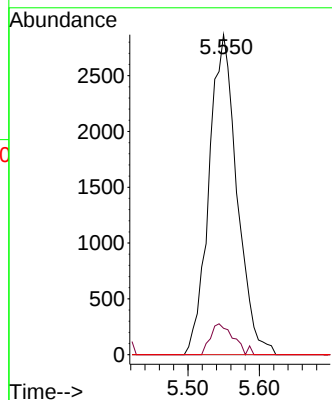
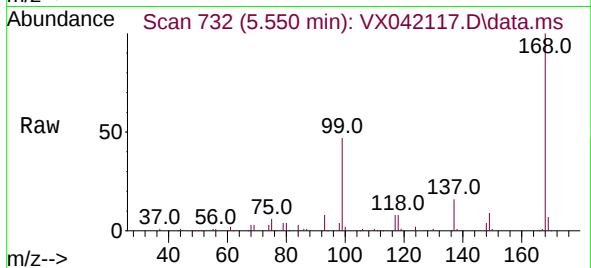




#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.140 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

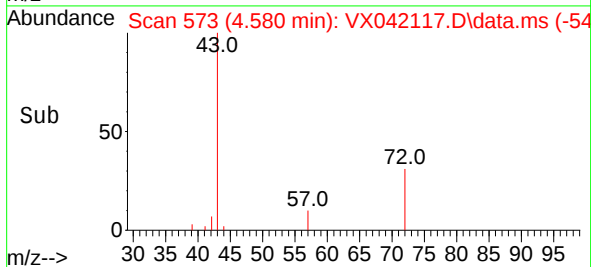
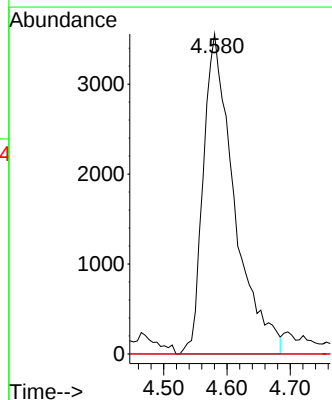
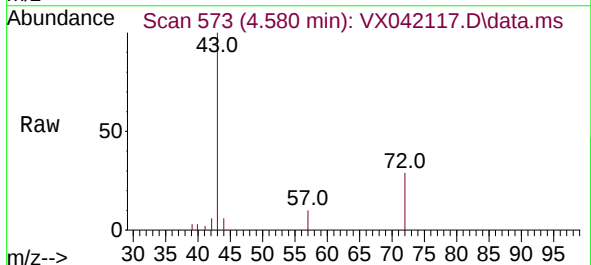
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

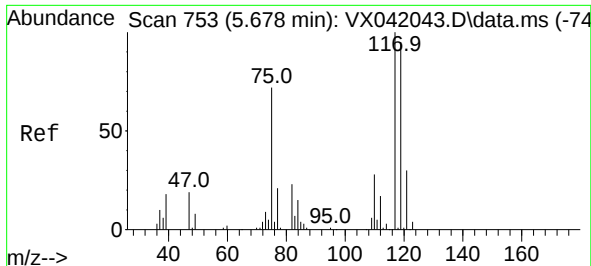
Tgt Ion: 75 Resp: 7811
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 5.916 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.146 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 43 Resp: 12140
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 6.461 ug/l

RT: 5.550 min Scan# 74

Delta R.T. -0.128 min

Lab File: VX042117.D

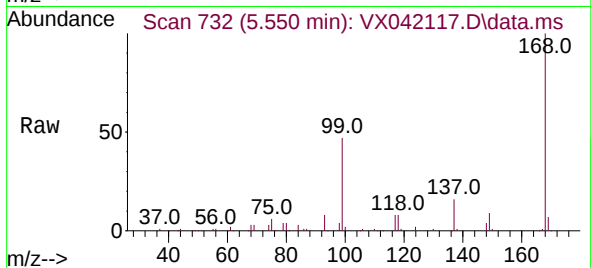
Acq: 01 Jul 2024 16:18

Instrument :

MSVOA_X

ClientSampleId :

MW1A-20240626



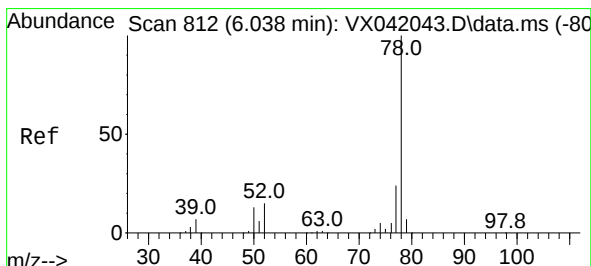
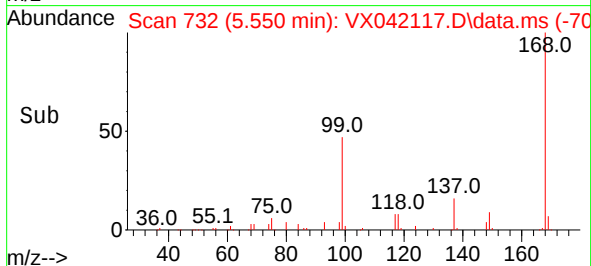
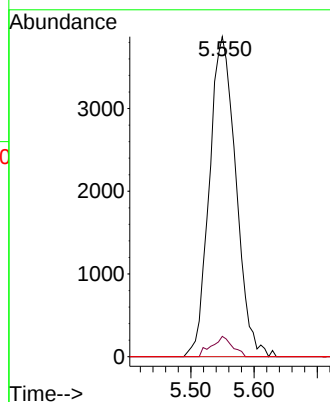
Tgt Ion:117 Resp: 11246

Ion Ratio Lower Upper

117 100

119 6.3 78.2 117.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 1.060 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX042117.D

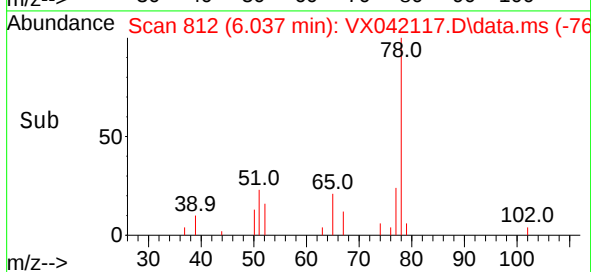
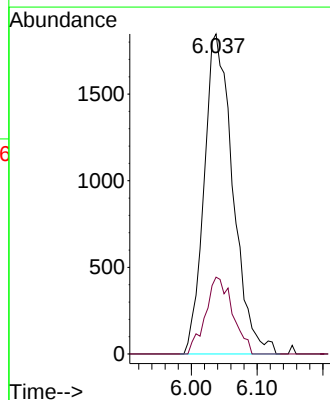
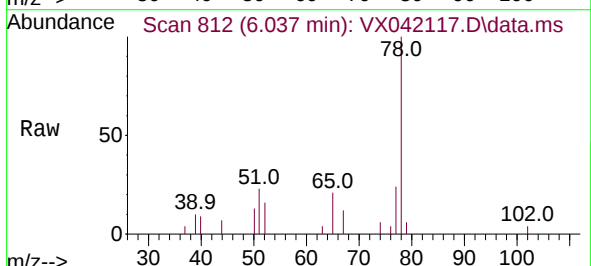
Acq: 01 Jul 2024 16:18

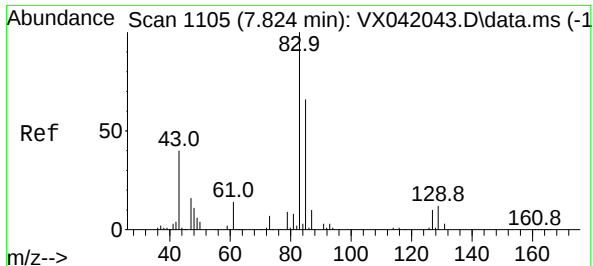
Tgt Ion: 78 Resp: 5630

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9





#47

Bromodichloromethane

Concen: 0.252 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VX042117.D

Acq: 01 Jul 2024 16:18

Instrument :

MSVOA_X

ClientSampleId :

MW1A-20240626

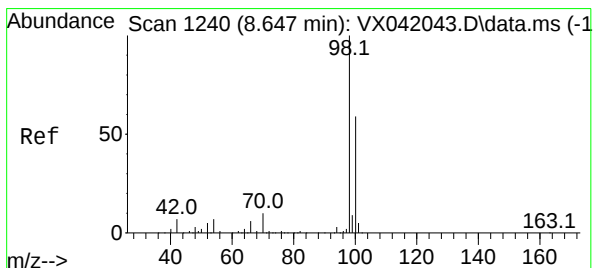
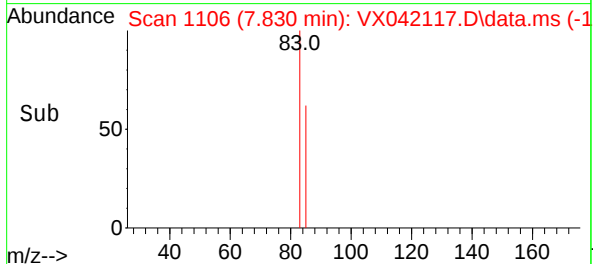
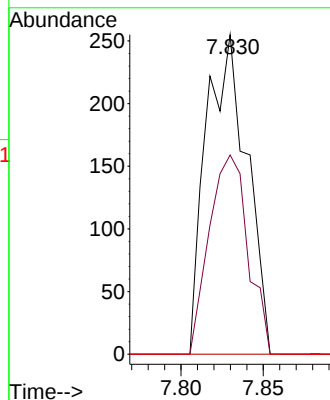
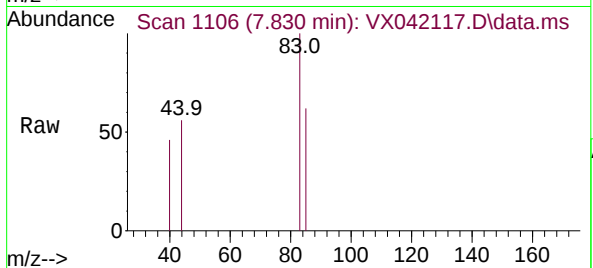
Tgt Ion: 83 Resp: 440

Ion Ratio Lower Upper

83 100

85 62.4 49.8 74.6

127 0.0 7.1 10.7#



#50

Toluene-d8

Concen: 46.210 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX042117.D

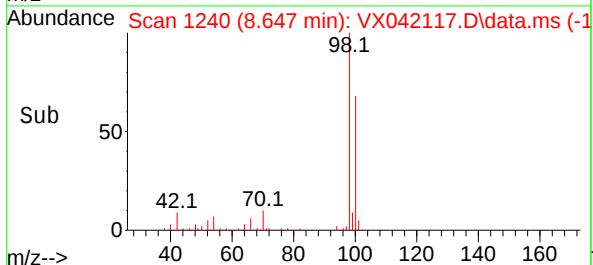
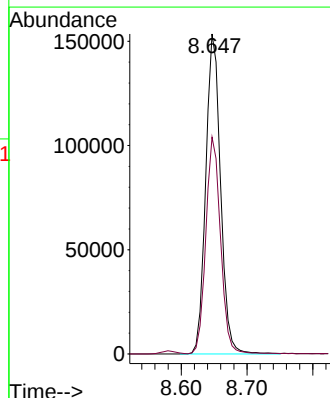
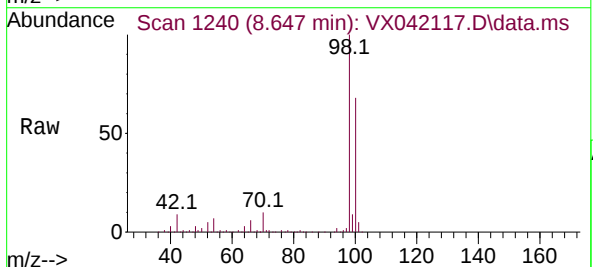
Acq: 01 Jul 2024 16:18

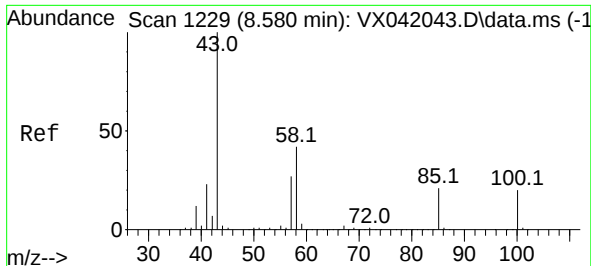
Tgt Ion: 98 Resp: 240842

Ion Ratio Lower Upper

98 100

100 67.1 53.1 79.7

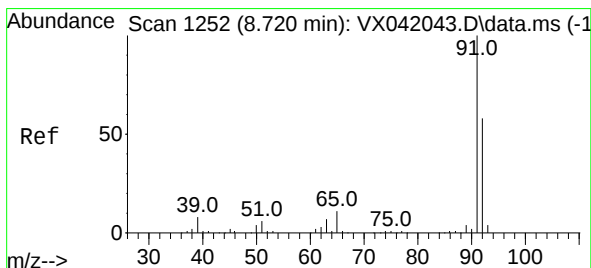
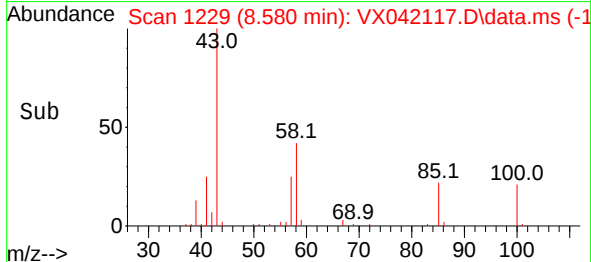
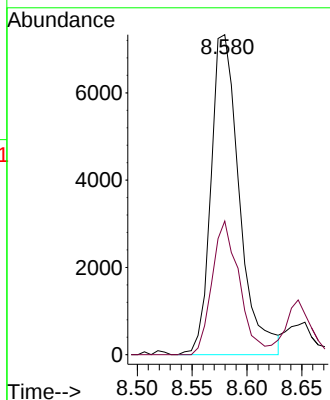
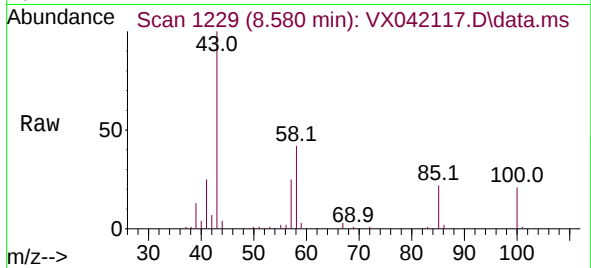




#51
4-Methyl-2-Pentanone
Concen: 6.103 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

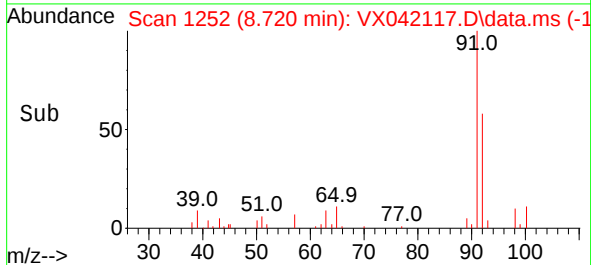
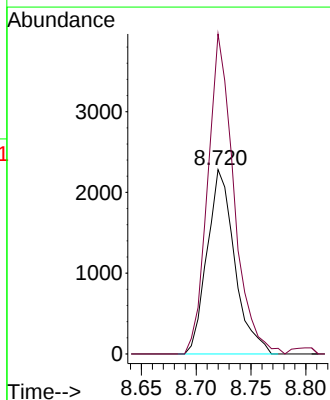
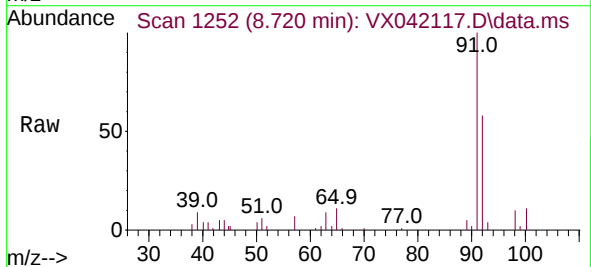
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

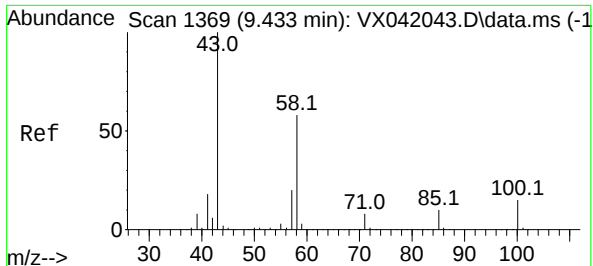
Tgt Ion: 43 Resp: 13242
Ion Ratio Lower Upper
43 100
58 39.8 30.4 45.6



#52
Toluene
Concen: 1.179 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 92 Resp: 3990
Ion Ratio Lower Upper
92 100
91 164.6 134.2 201.2

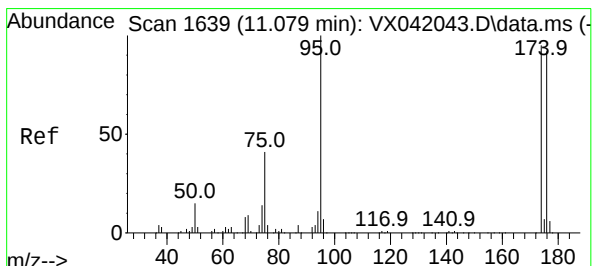
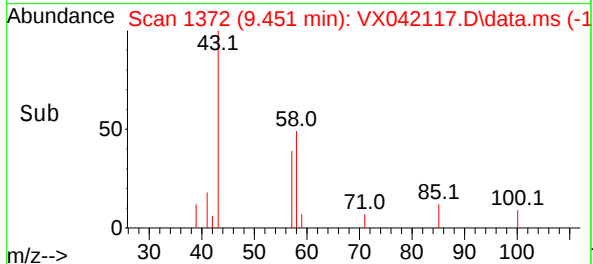
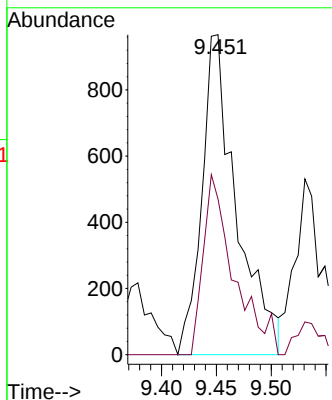
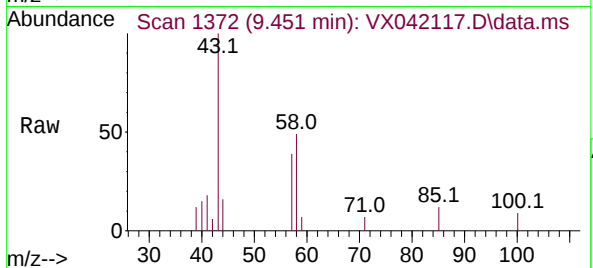




#59
2-Hexanone
Concen: 1.283 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.018 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

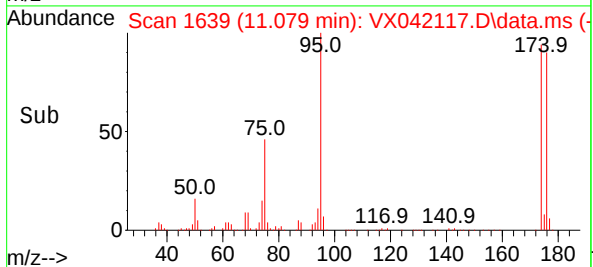
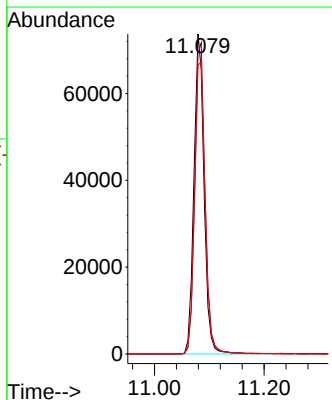
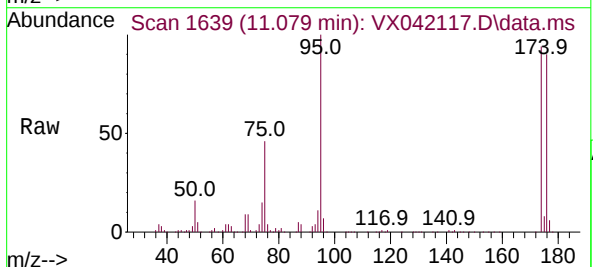
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

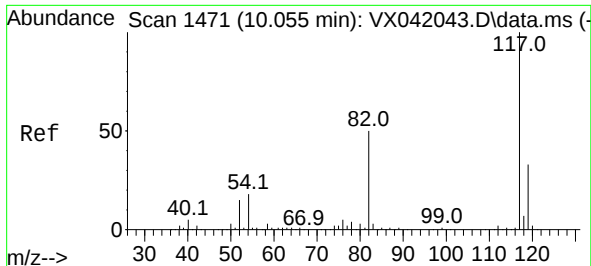
Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
58 49.8 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 49.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 95 Resp: 95222
Ion Ratio Lower Upper
95 100
174 99.7 0.0 135.6
176 94.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042117.D

Acq: 01 Jul 2024 16:18

Instrument :

MSVOA_X

ClientSampleId :

MW1A-20240626

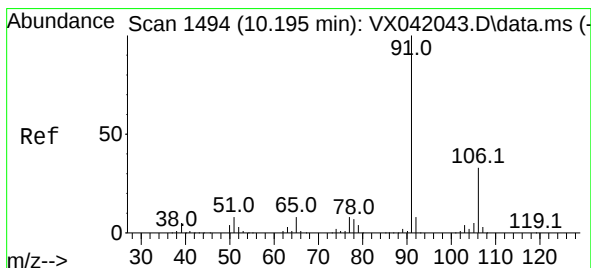
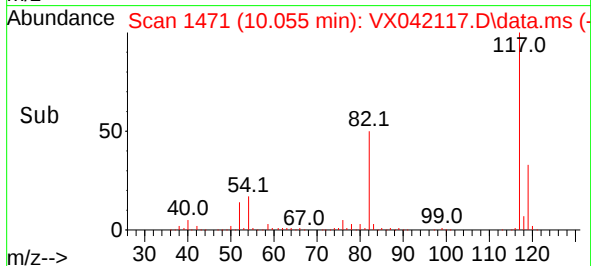
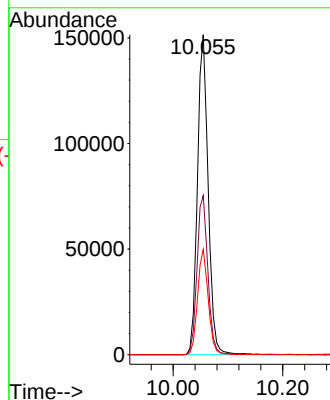
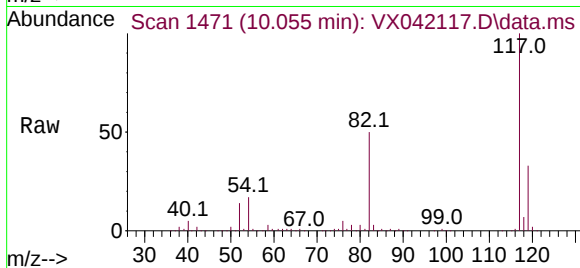
Tgt Ion:117 Resp: 206775

Ion Ratio Lower Upper

117 100

82 49.8 46.2 69.4

119 32.9 25.5 38.3



#67

Ethyl Benzene

Concen: 0.420 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX042117.D

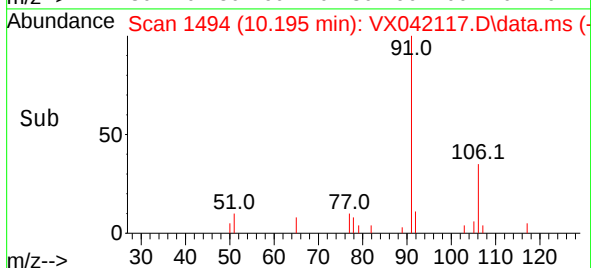
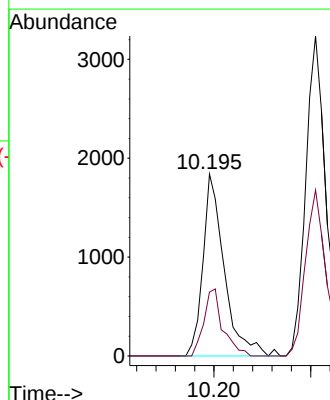
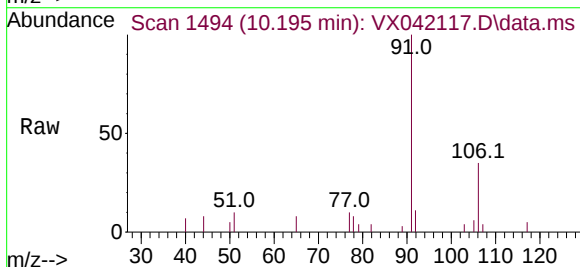
Acq: 01 Jul 2024 16:18

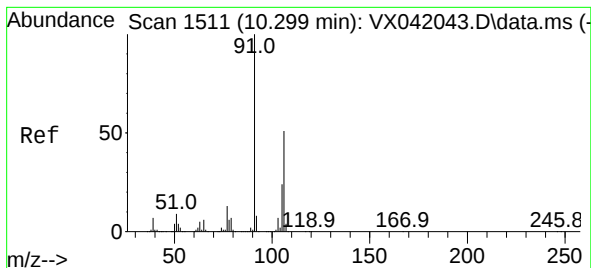
Tgt Ion: 91 Resp: 2830

Ion Ratio Lower Upper

91 100

106 35.1 24.9 37.3





#68

m/p-Xylenes

Concen: 0.931 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX042117.D

Acq: 01 Jul 2024 16:18

Instrument :

MSVOA_X

ClientSampleId :

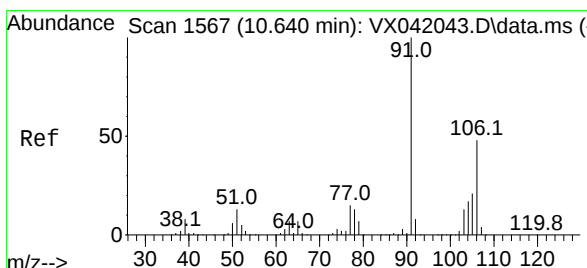
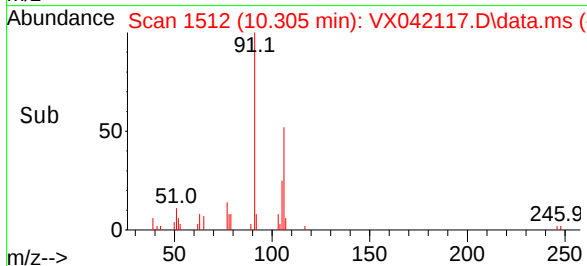
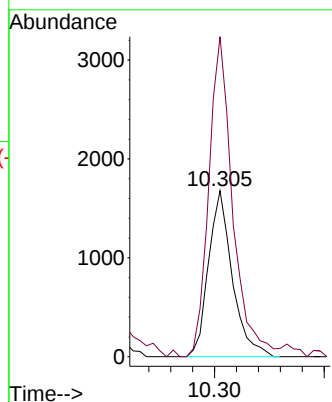
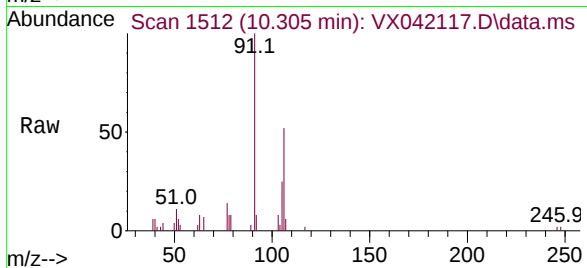
MW1A-20240626

Tgt Ion:106 Resp: 2534

Ion Ratio Lower Upper

106 100

91 193.6 165.5 248.3



#69

o-Xylene

Concen: 0.402 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VX042117.D

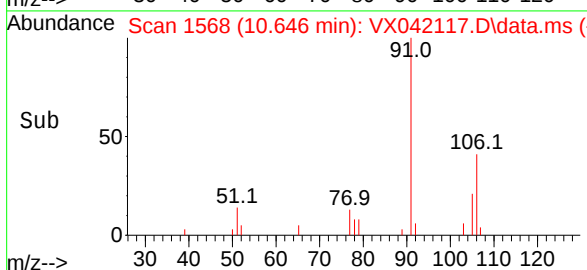
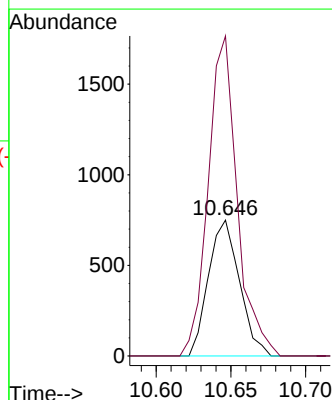
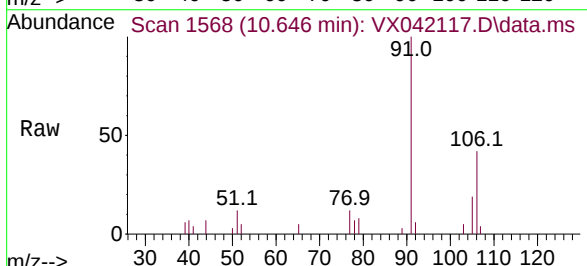
Acq: 01 Jul 2024 16:18

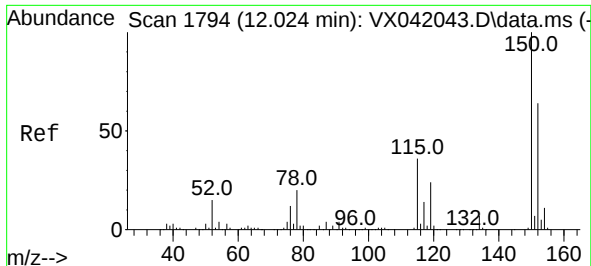
Tgt Ion:106 Resp: 1084

Ion Ratio Lower Upper

106 100

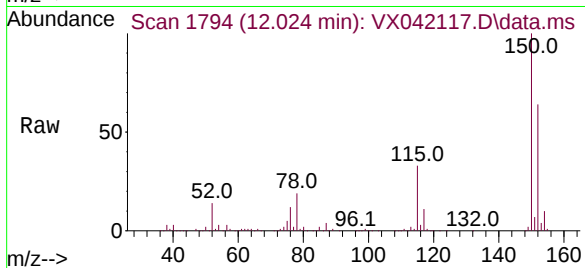
91 219.9 108.9 326.8



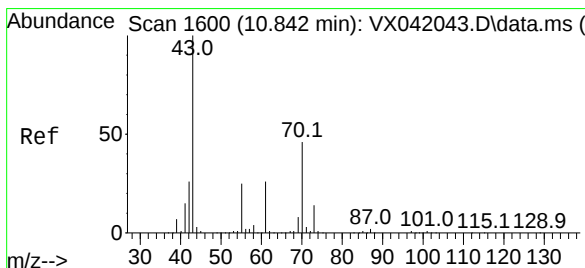
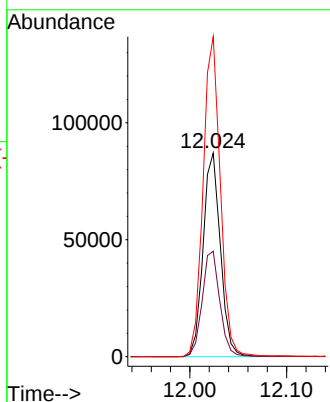
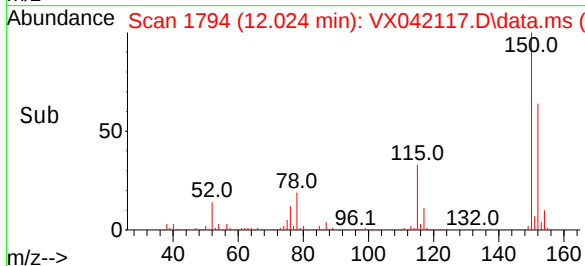


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX042117.D
 Acq: 01 Jul 2024 16:18

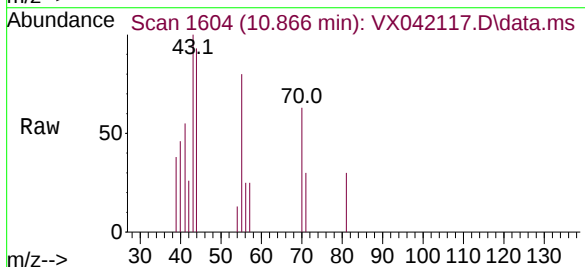
Instrument :
 MSVOA_X
 ClientSampleId :
 MW1A-20240626



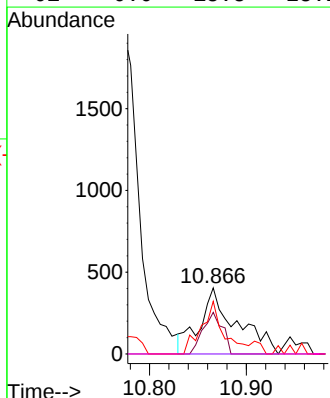
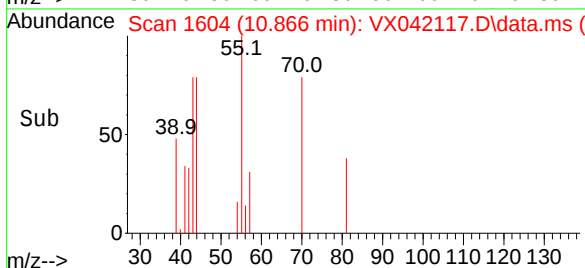
Tgt Ion:152 Resp: 108540
 Ion Ratio Lower Upper
 152 100
 115 52.8 43.3 129.9
 150 157.1 0.0 345.0

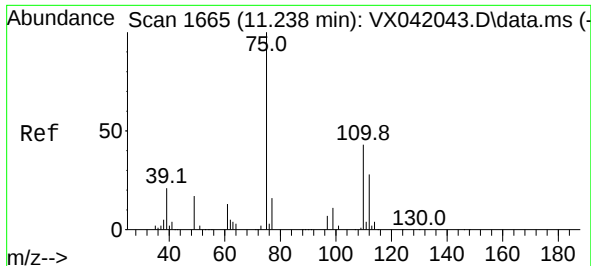


#74
 N-ethyl acetate
 Concen: 0.363 ug/l
 RT: 10.866 min Scan# 1604
 Delta R.T. 0.024 min
 Lab File: VX042117.D
 Acq: 01 Jul 2024 16:18



Tgt Ion: 43 Resp: 1063
 Ion Ratio Lower Upper
 43 100
 70 33.4 32.9 49.3
 55 48.8 19.3 28.9#
 61 0.0 18.8 28.2#

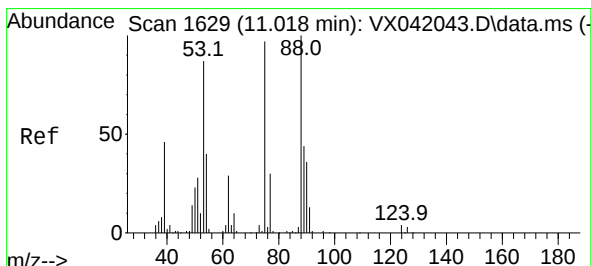
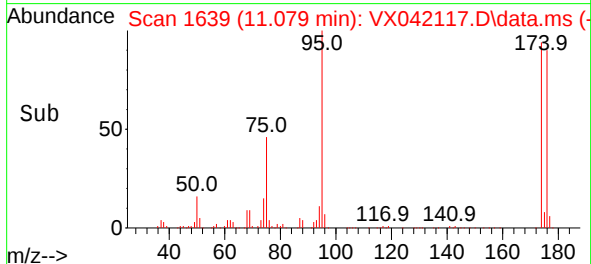
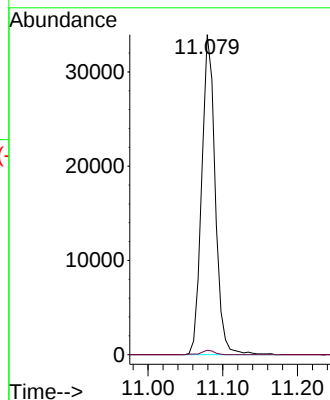
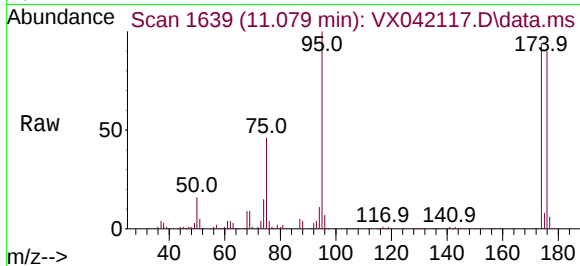




#76
1,2,3-Trichloropropane
Concen: 21.661 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

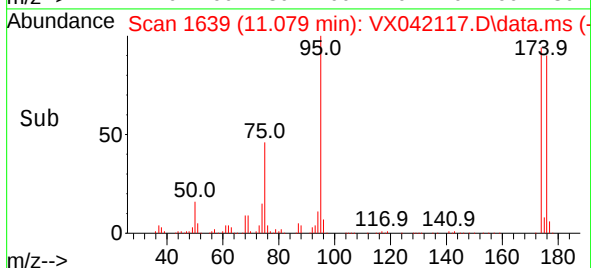
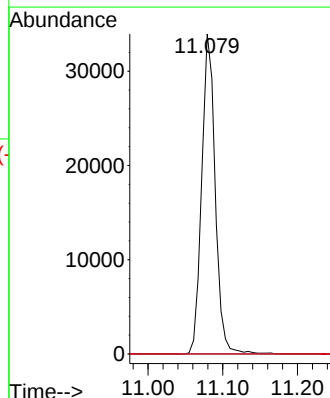
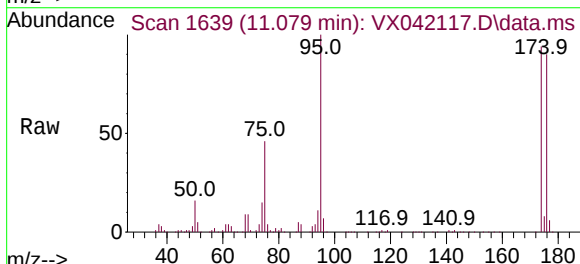
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

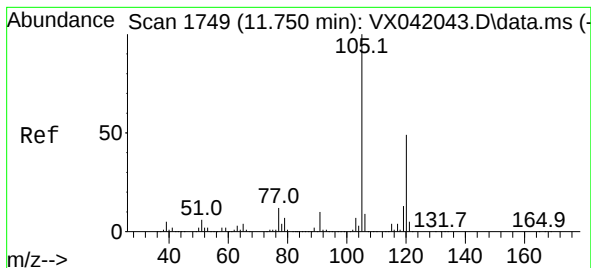
Tgt Ion: 75 Resp: 42681
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.514 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042117.D
Acq: 01 Jul 2024 16:18

Tgt Ion: 75 Resp: 42681
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.862 ug/l

RT: 11.750 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042117.D

Acq: 01 Jul 2024 16:18

Instrument :

MSVOA_X

ClientSampleId :

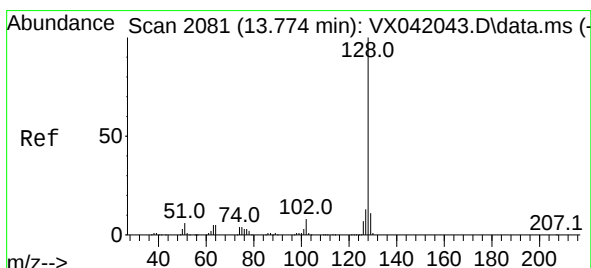
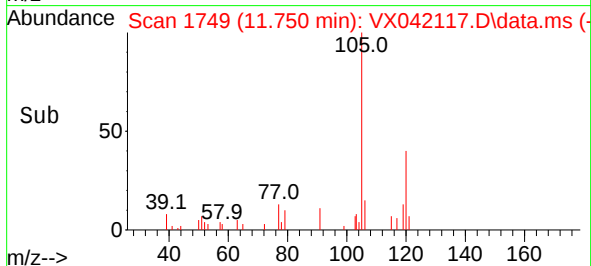
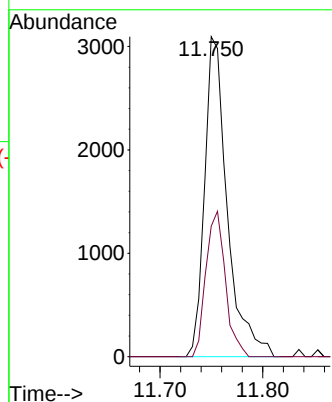
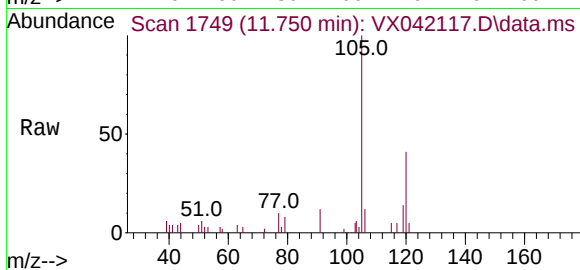
MW1A-20240626

Tgt Ion:105 Resp: 4756

Ion Ratio Lower Upper

105 100

120 39.0 21.2 63.6



#95

Naphthalene

Concen: 1.530 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX042117.D

Acq: 01 Jul 2024 16:18

Tgt Ion:128 Resp: 6175

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 10.5 8.8 13.2

