

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031550.D
 Acq On : 22 Sep 2022 05:19
 Operator : JC/MD
 Sample : N4642-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4R

Quant Time: Sep 22 09:21:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

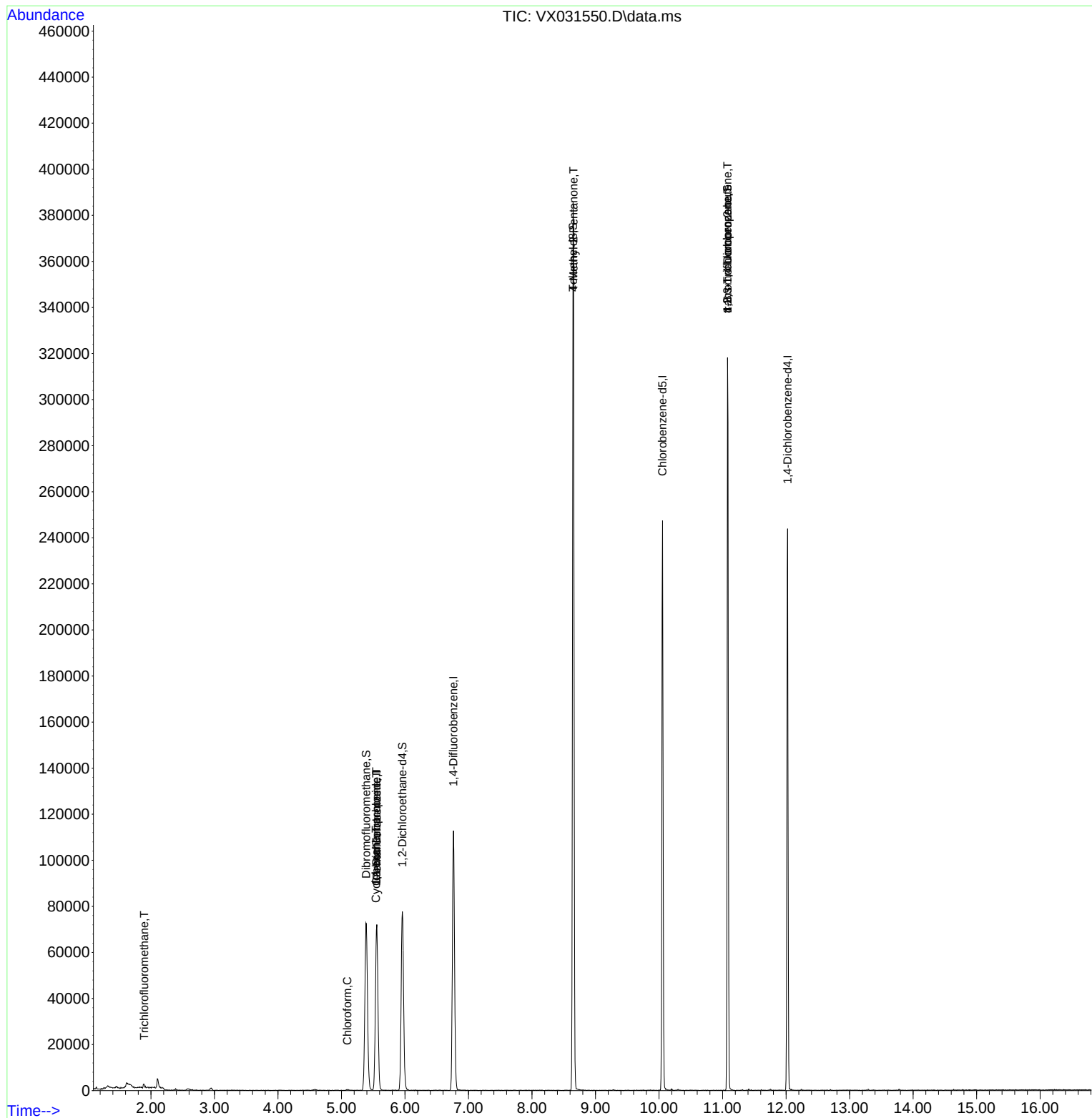
Internal Standards						
1) Pentafluorobenzene	5.556	168	69882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	115988	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	104936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68771	53.639	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.280%	
35) Dibromofluoromethane	5.385	113	59194	49.366	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.740%	
50) Toluene-d8	8.647	98	227131	49.151	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	11.079	95	69895	44.653	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.300%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.697	64	94	Below Cal	#	43
7) Trichlorofluoromethane	1.892	101	910	0.264	ug/l	96
11) Tert butyl alcohol	2.941	59	637	Below Cal	#	73
13) Acrolein	2.063	56	19	Below Cal	#	63
16) Acetone	2.386	43	545	Below Cal		97
30) Chloroform	5.093	83	567	0.238	ug/l #	80
31) Cyclohexane	5.544	56	1725	0.907	ug/l #	63
36) 1,1-Dichloropropene	5.550	75	5390	2.924	ug/l #	49
38) Carbon Tetrachloride	5.550	117	6590	3.225	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1151	0.529	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.079	83	148	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	40094	36.386	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	40094	117.158	ug/l #	11

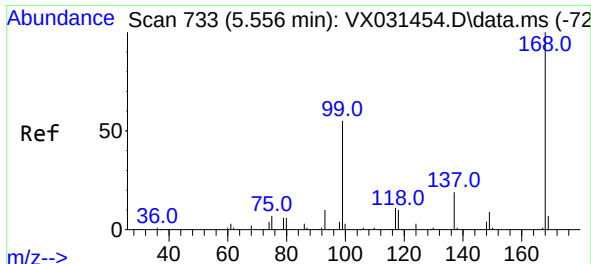
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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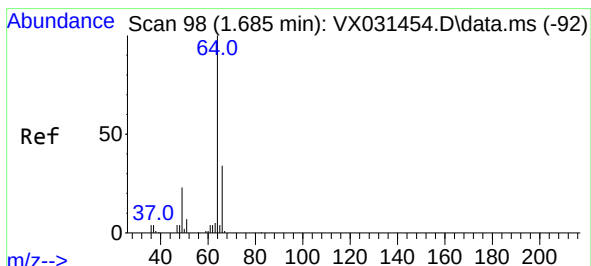
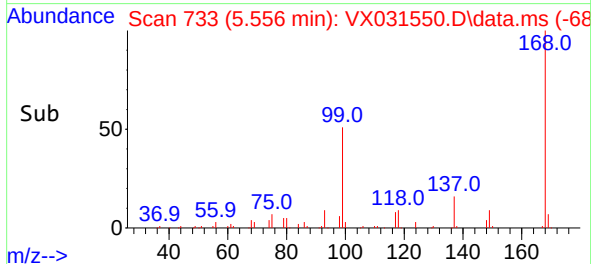
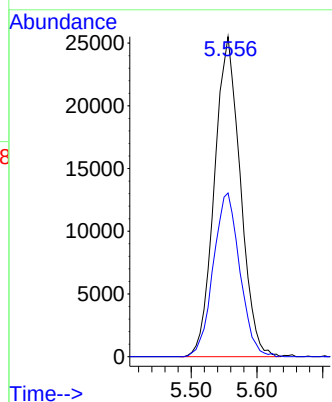
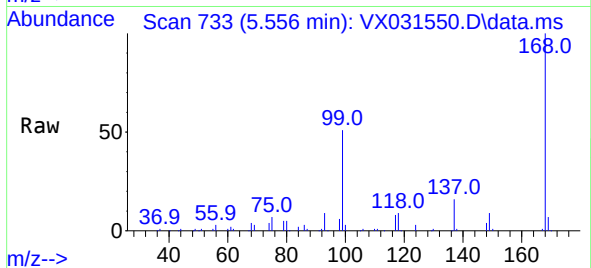




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

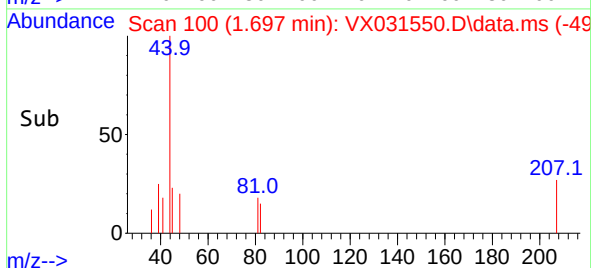
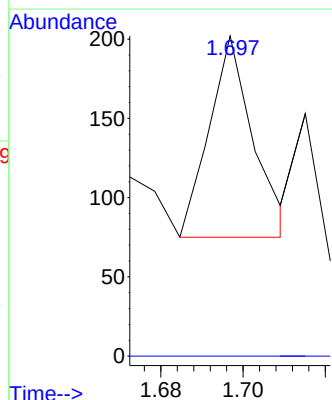
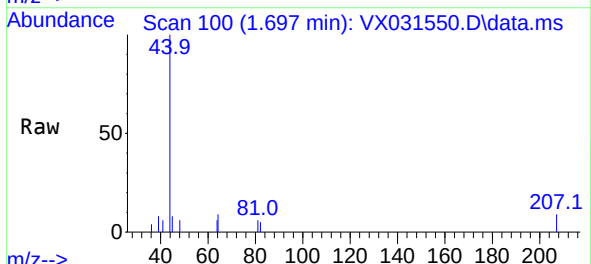
Instrument :
MSVOA_X
ClientSampleId :
MW-4R

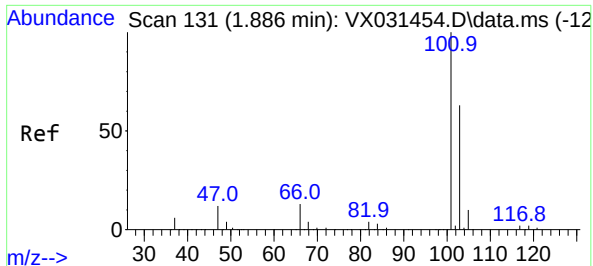
Tgt Ion:168 Resp: 69882
Ion Ratio Lower Upper
168 100
99 51.2 48.8 73.2



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

Tgt Ion: 64 Resp: 94
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

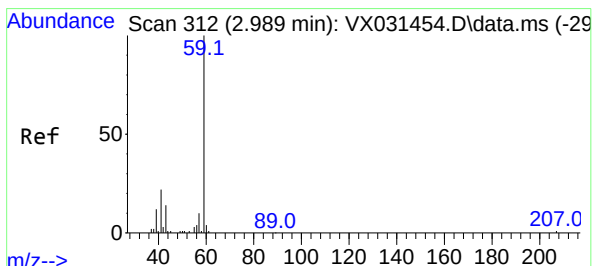
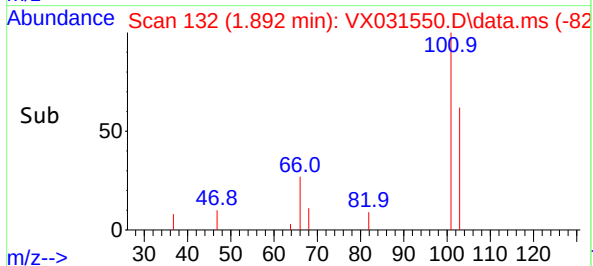
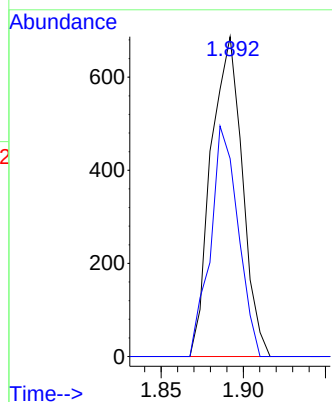
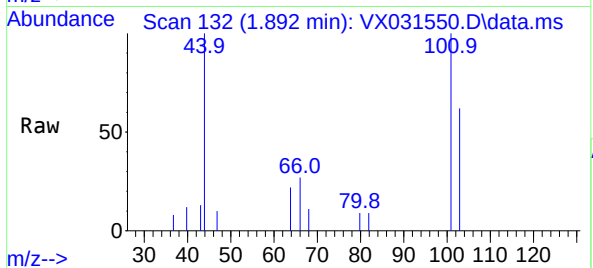




#7
Trichlorofluoromethane
Concen: 0.264 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

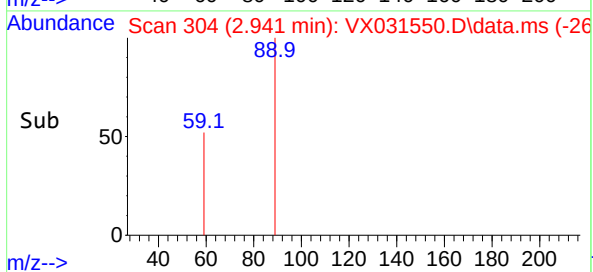
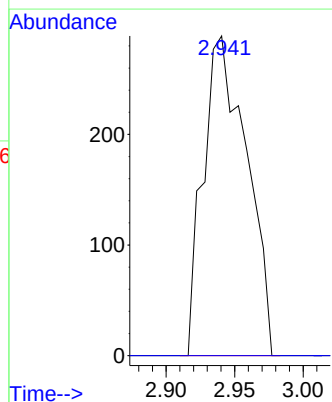
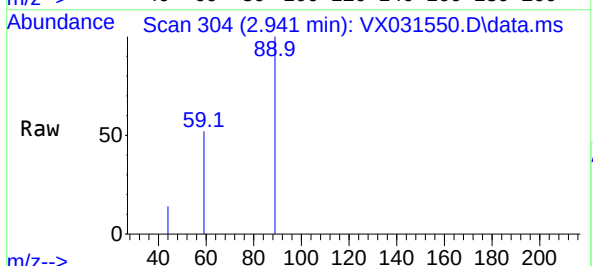
Instrument :
MSVOA_X
ClientSampleId :
MW-4R

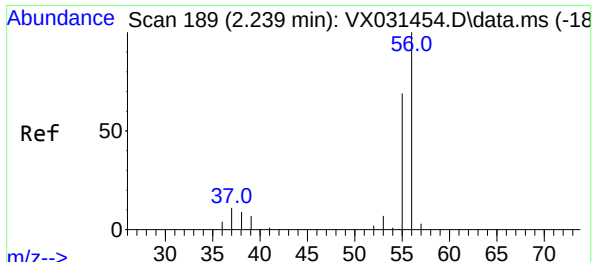
Tgt Ion:101 Resp: 910
Ion Ratio Lower Upper
101 100
103 61.9 51.8 77.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

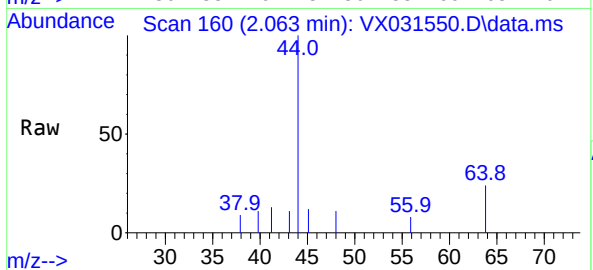
Tgt Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



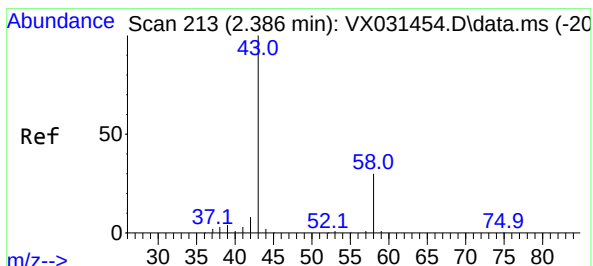
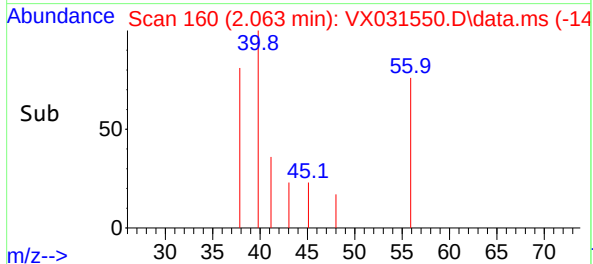
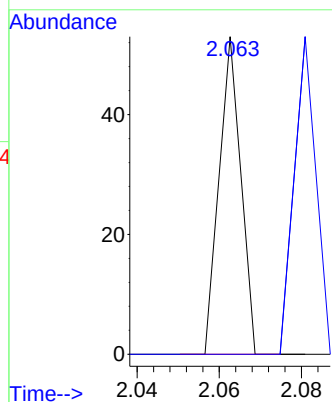


#13
Acrolein
Concen: Below Cal
RT: 2.063 min Scan# 1
Delta R.T. -0.176 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

Instrument :
MSVOA_X
ClientSampleId :
MW-4R

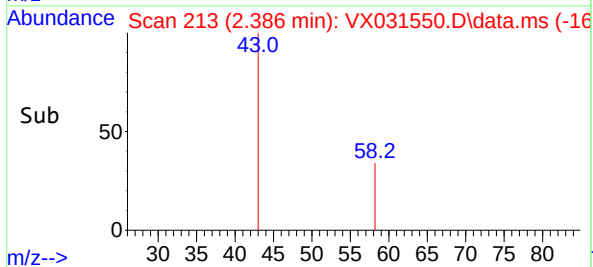
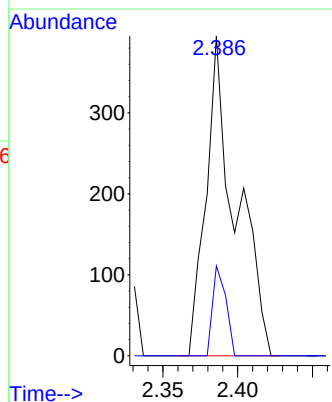
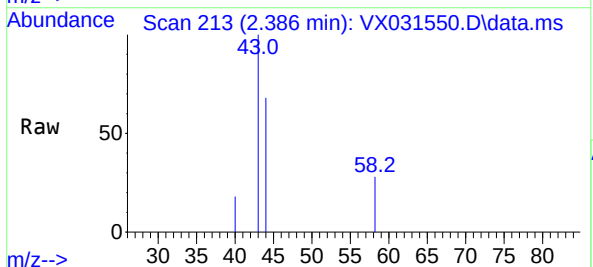


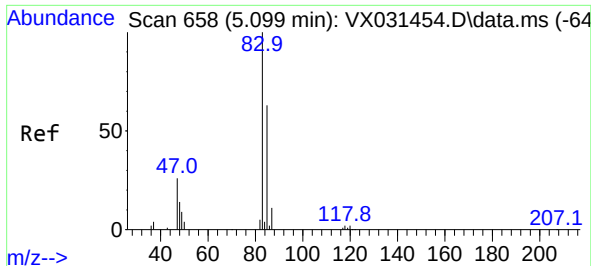
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 100.0 56.0 84.0#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.8





#30

Chloroform

Concen: 0.238 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX031550.D

Acq: 22 Sep 2022 05:19

Instrument :

MSVOA_X

ClientSampleId :

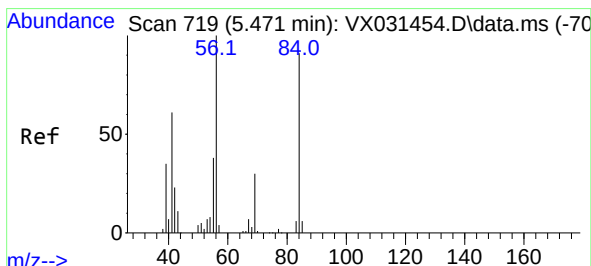
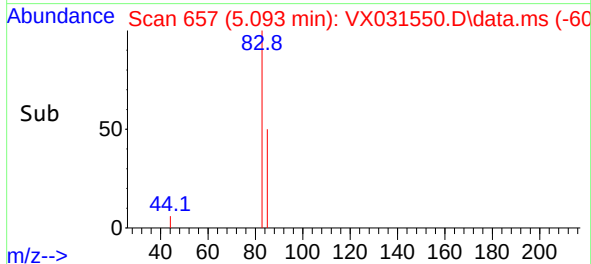
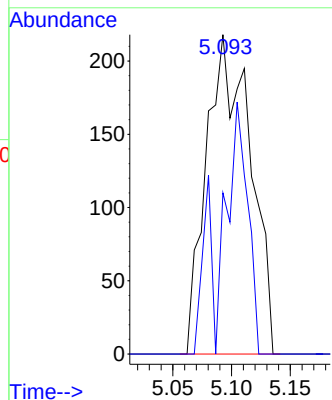
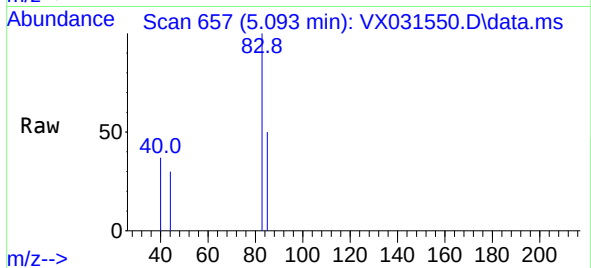
MW-4R

Tgt Ion: 83 Resp: 567

Ion Ratio Lower Upper

83 100

85 50.5 52.8 79.2#



#31

Cyclohexane

Concen: 0.907 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX031550.D

Acq: 22 Sep 2022 05:19

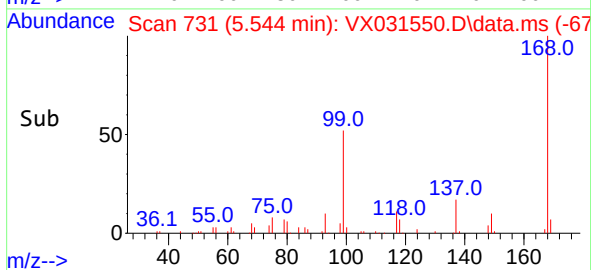
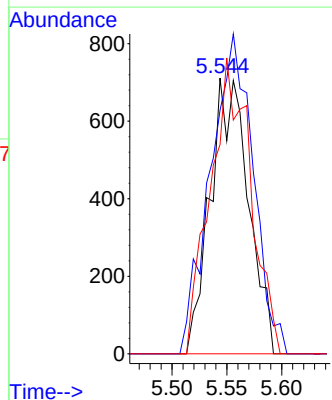
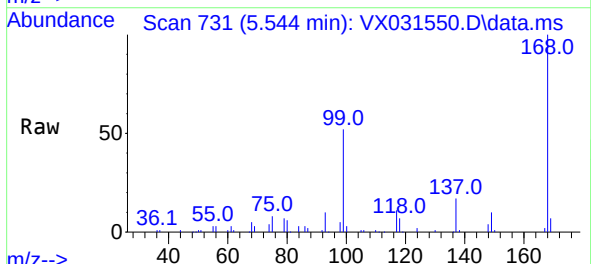
Tgt Ion: 56 Resp: 1725

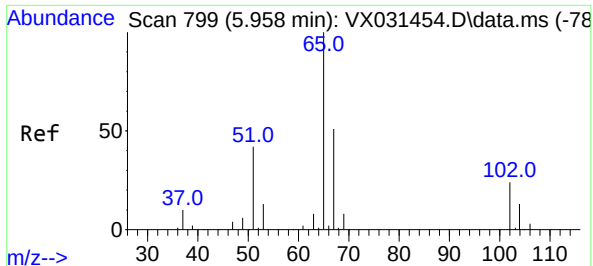
Ion Ratio Lower Upper

56 100

69 88.3 25.1 37.7#

84 75.9 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 53.639 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031550.D

Acq: 22 Sep 2022 05:19

Instrument :

MSVOA_X

ClientSampleId :

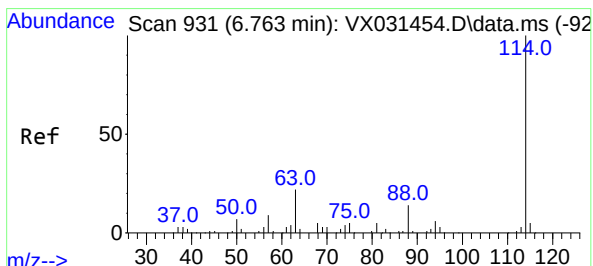
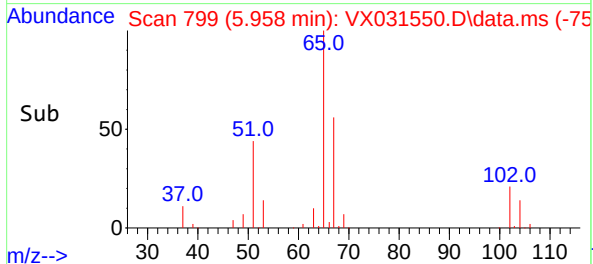
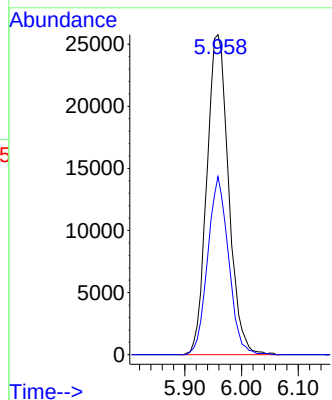
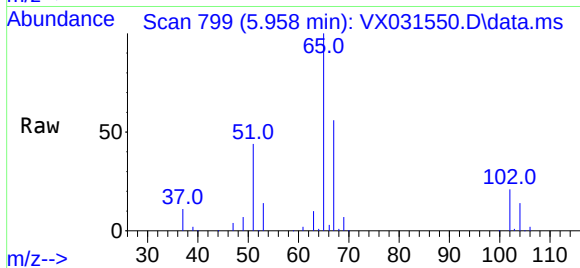
MW-4R

Tgt Ion: 65 Resp: 68771

Ion Ratio Lower Upper

65 100

67 53.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031550.D

Acq: 22 Sep 2022 05:19

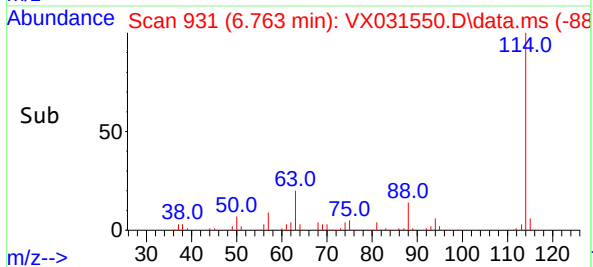
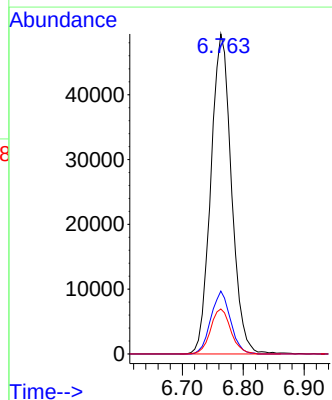
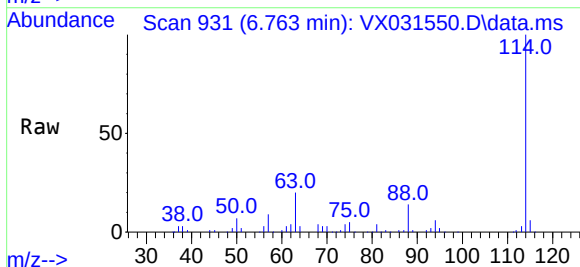
Tgt Ion: 114 Resp: 115988

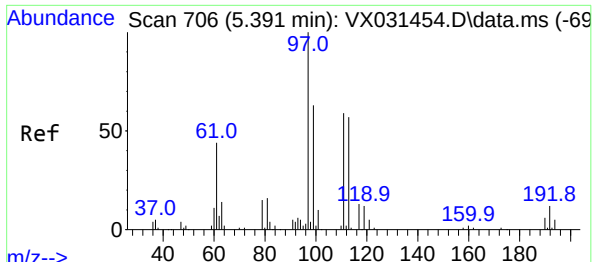
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.366 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX031550.D

Acq: 22 Sep 2022 05:19

Instrument :

MSVOA_X

ClientSampleId :

MW-4R

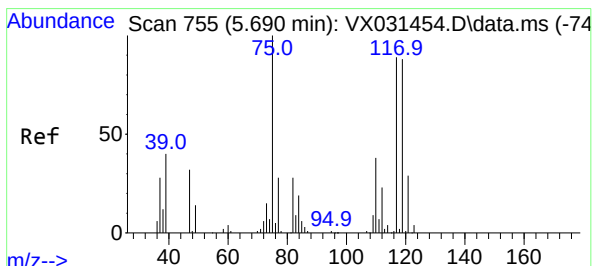
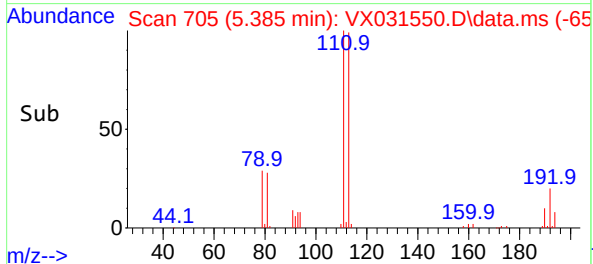
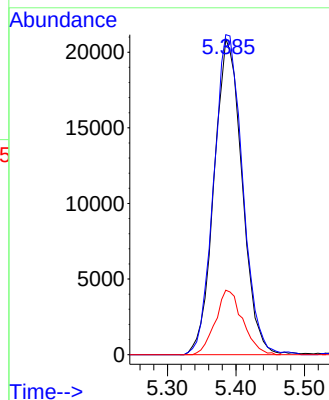
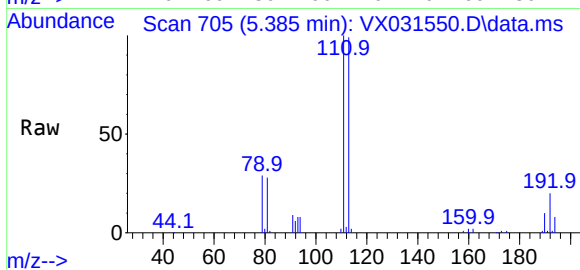
Tgt Ion:113 Resp: 59194

Ion Ratio Lower Upper

113 100

111 104.3 82.4 123.6

192 19.9 14.1 21.1



#36

1,1-Dichloropropene

Concen: 2.924 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX031550.D

Acq: 22 Sep 2022 05:19

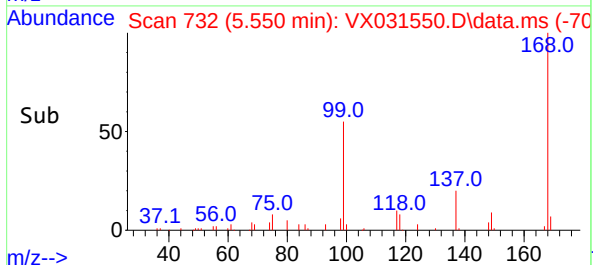
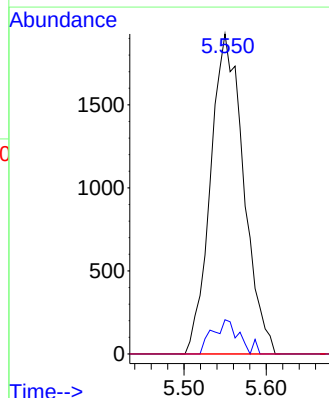
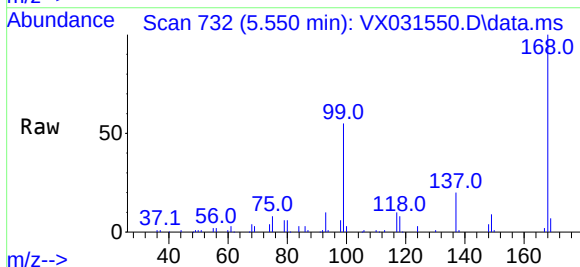
Tgt Ion: 75 Resp: 5390

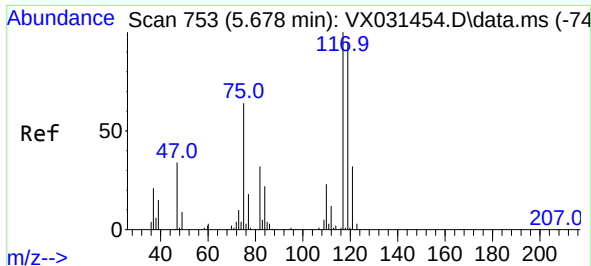
Ion Ratio Lower Upper

75 100

110 8.0 17.5 52.5#

77 0.0 24.9 37.3#

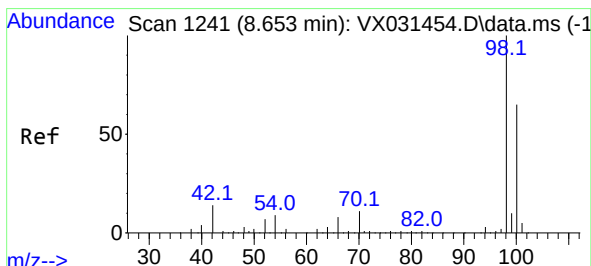
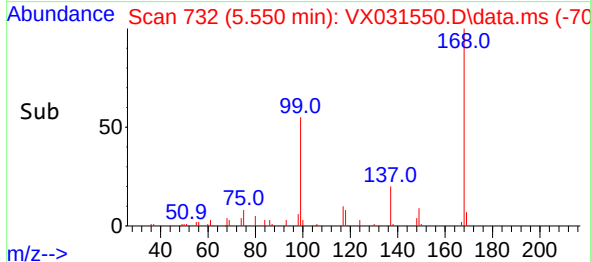
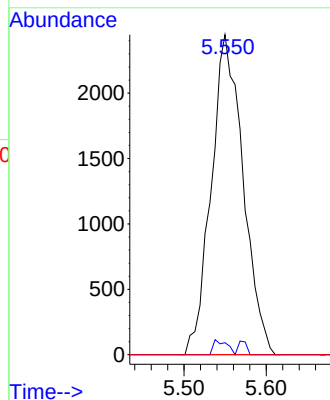
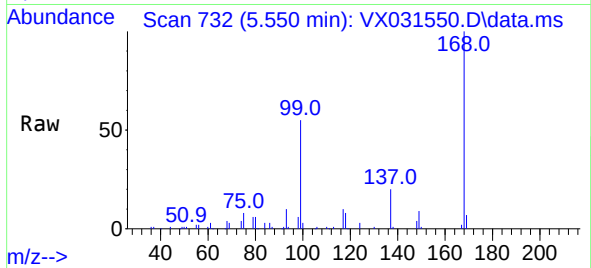




#38
Carbon Tetrachloride
Concen: 3.225 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

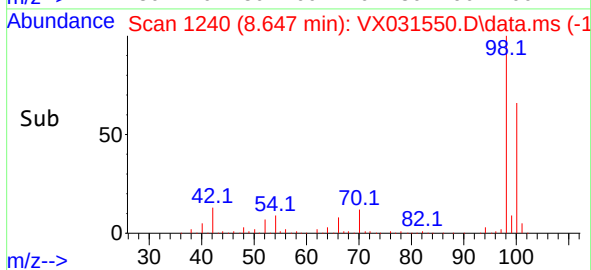
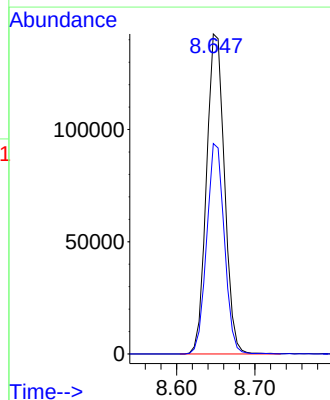
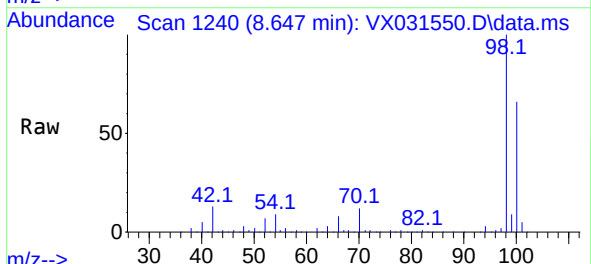
Instrument :
MSVOA_X
ClientSampleId :
MW-4R

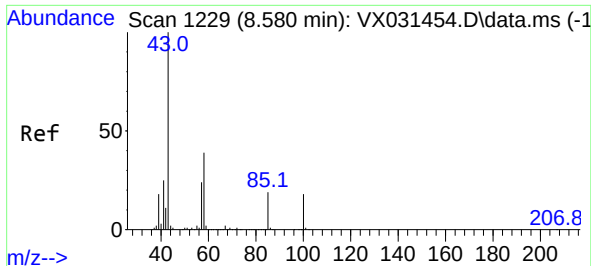
Tgt Ion:117 Resp: 6590
Ion Ratio Lower Upper
117 100
119 3.8 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.151 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

Tgt Ion: 98 Resp: 227131
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.529 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX031550.D

Acq: 22 Sep 2022 05:19

Instrument :

MSVOA_X

ClientSampleId :

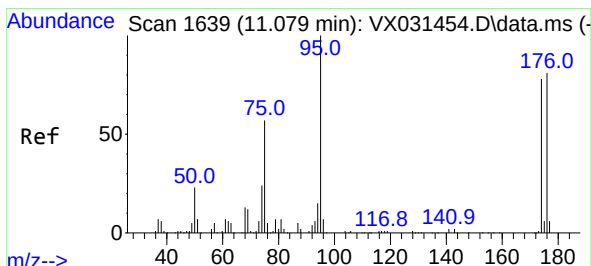
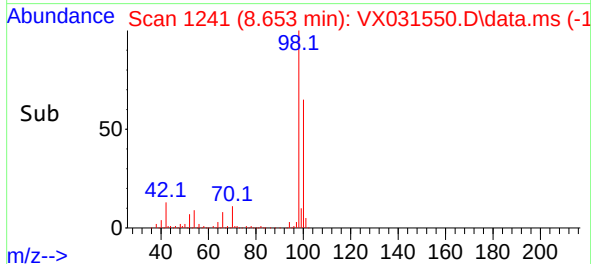
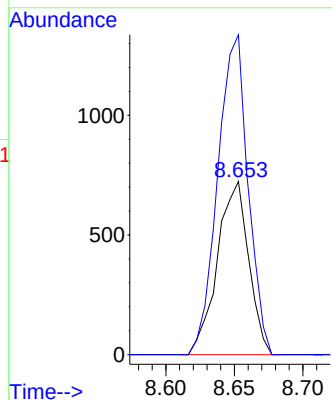
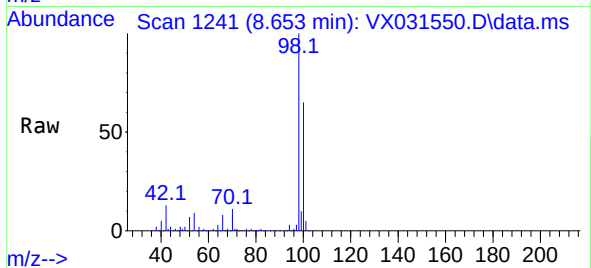
MW-4R

Tgt Ion: 43 Resp: 1151

Ion Ratio Lower Upper

43 100

58 179.0 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 44.653 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031550.D

Acq: 22 Sep 2022 05:19

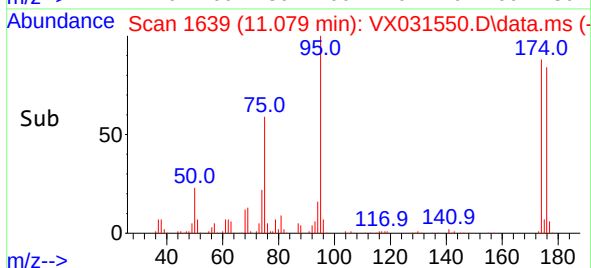
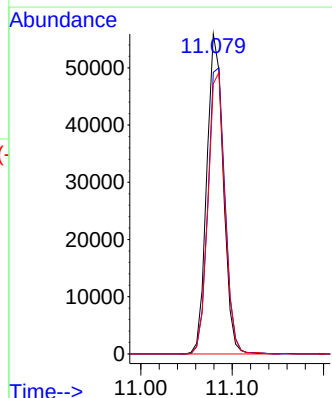
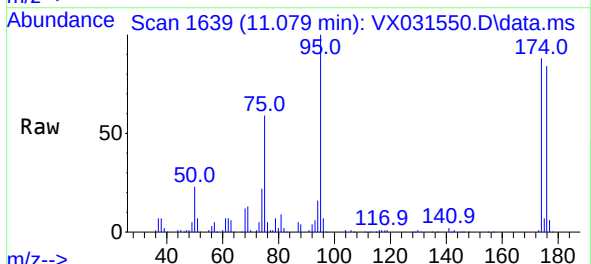
Tgt Ion: 95 Resp: 69895

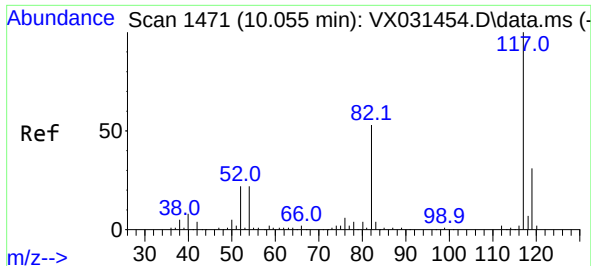
Ion Ratio Lower Upper

95 100

174 92.6 0.0 153.2

176 90.0 0.0 144.0

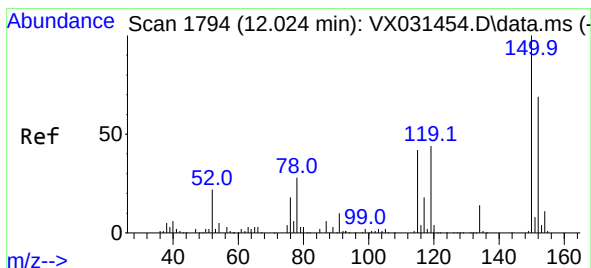
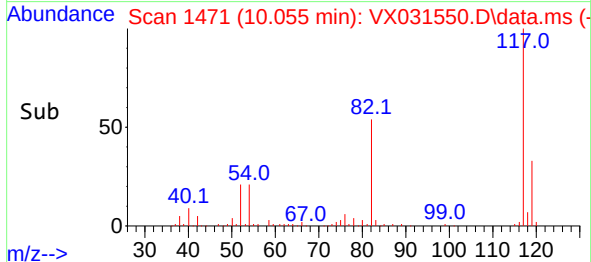
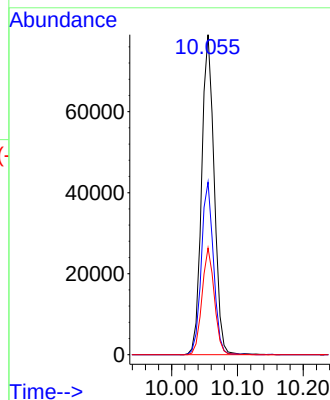
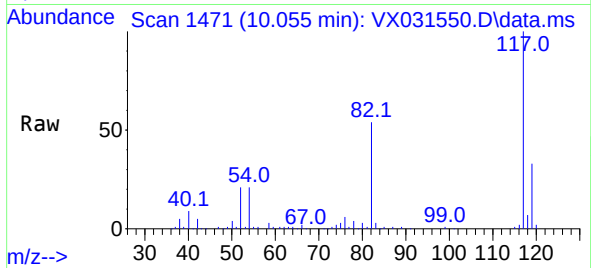




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

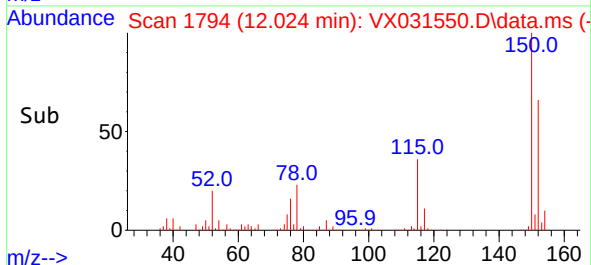
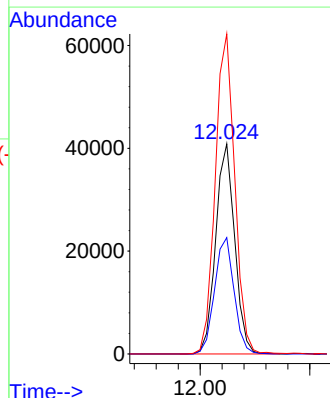
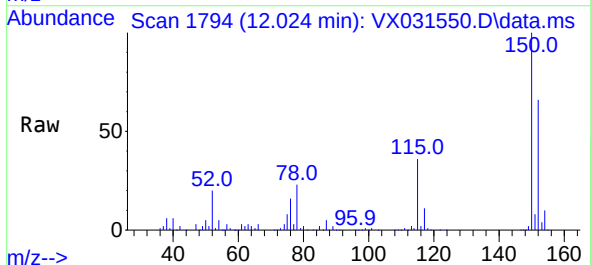
Instrument :
MSVOA_X
ClientSampleId :
MW-4R

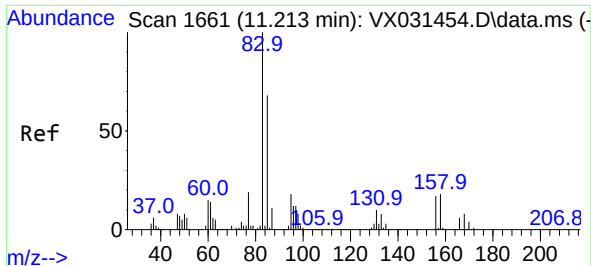
Tgt Ion:117 Resp: 104936
Ion Ratio Lower Upper
117 100
82 53.9 46.8 70.2
119 33.3 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

Tgt Ion:152 Resp: 49371
Ion Ratio Lower Upper
152 100
115 56.8 43.4 130.1
150 156.2 0.0 346.8

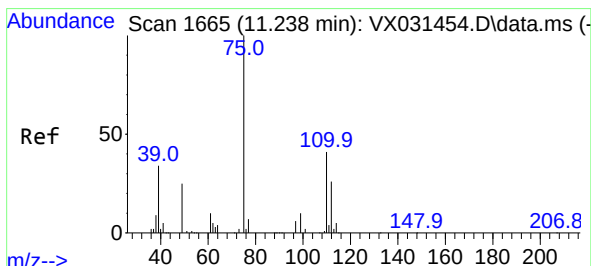
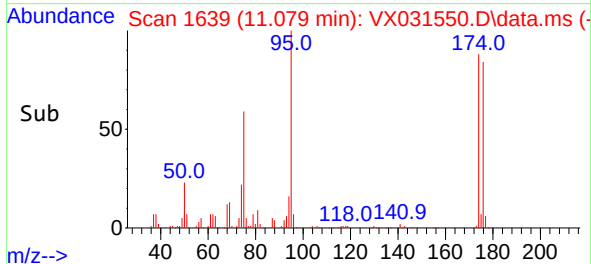
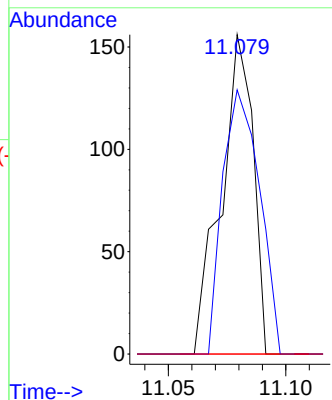
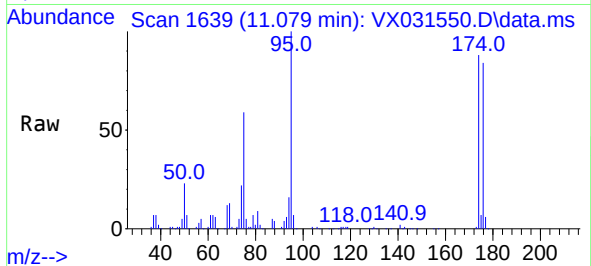




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

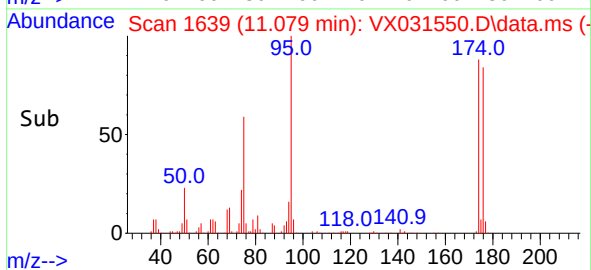
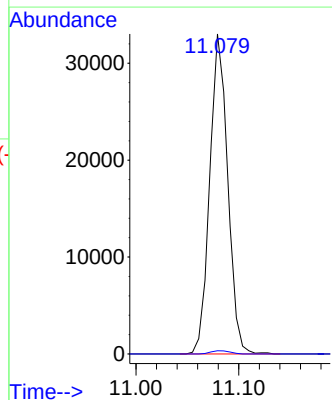
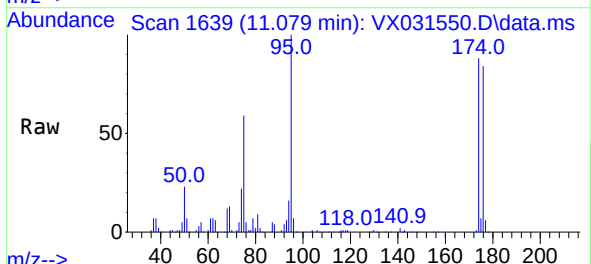
Instrument :
MSVOA_X
ClientSampleId :
MW-4R

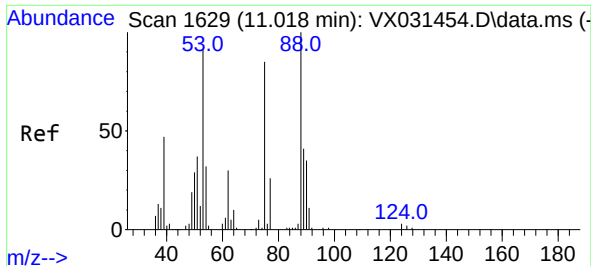
Tgt Ion: 83 Resp: 148
Ion Ratio Lower Upper
83 100
131 95.3 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 36.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031550.D
Acq: 22 Sep 2022 05:19

Tgt Ion: 75 Resp: 40094
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.158 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031550.D
 Acq: 22 Sep 2022 05:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4R

Tgt Ion: 75 Resp: 40094
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

