

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031581.D
 Acq On : 22 Sep 2022 19:28
 Operator : JC/MD
 Sample : N4614-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23R

Quant Time: Sep 23 01:50:42 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)

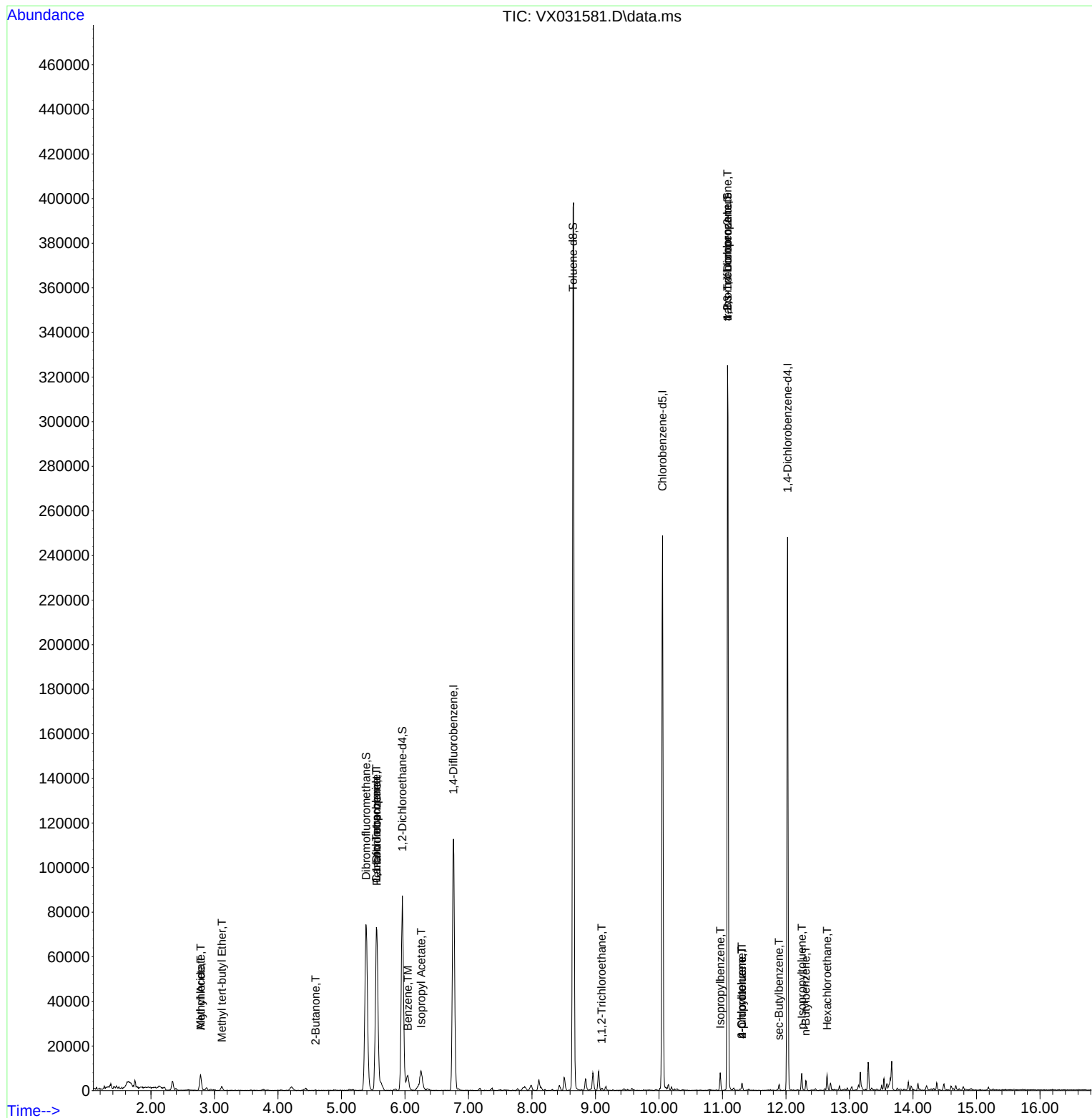
Internal Standards						
1) Pentafluorobenzene	5.556	168	71754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	108003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71397	54.247	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.500%			
35) Dibromofluoromethane	5.385	113	61135	49.909	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.820%			
50) Toluene-d8	8.647	98	236865	50.168	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.340%			
62) 4-Bromofluorobenzene	11.079	95	70844	44.297	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.600%			
Target Compounds					Qvalue	
6) Chloroethane	1.697	64	70	Below Cal	#	49
11) Tert butyl alcohol	2.983	59	326	Below Cal	#	73
13) Acrolein	2.343	56	595	Below Cal		88
14) Allyl chloride	2.782	41	2141	1.176	ug/l #	71
16) Acetone	2.386	43	913	Below Cal	#	68
18) Methyl Acetate	2.782	43	4476	2.276	ug/l #	52
19) Methyl tert-butyl Ether	3.117	73	1802	0.446	ug/l #	88
20) Methylene Chloride	2.794	84	108	Below Cal	#	74
25) 2-Butanone	4.593	43	239	0.235	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	5364	2.848	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7337	3.514	ug/l #	17
40) Benzene	6.044	78	7756	1.380	ug/l	99
43) Isopropyl Acetate	6.257	43	2477	0.717	ug/l #	61
55) 1,1,2-Trichloroethane	9.098	97	393	0.260	ug/l #	15
73) Isopropylbenzene	10.964	105	3752	1.018	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.281	83	79	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.079	75	41030	37.263	ug/l #	37
78) n-propylbenzene	11.305	91	2388	0.563	ug/l	92
79) 2-Chlorotoluene	11.305	91	2388	0.947	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	41030	119.983	ug/l #	11
82) 4-Chlorotoluene	11.305	91	2388	0.807	ug/l #	44
85) sec-Butylbenzene	11.890	105	1604	0.418	ug/l	96
86) p-Isopropyltoluene	12.250	119	1633	0.504	ug/l	83
89) n-Butylbenzene	12.311	91	632	0.229	ug/l #	7
90) Hexachloroethane	12.646	117	2480	4.457	ug/l #	15

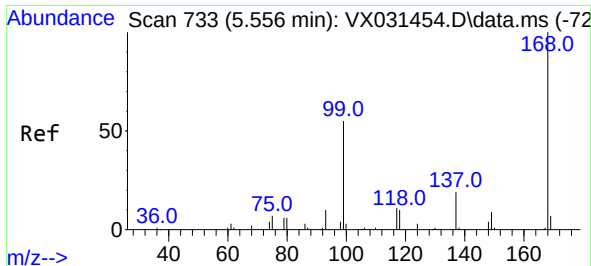
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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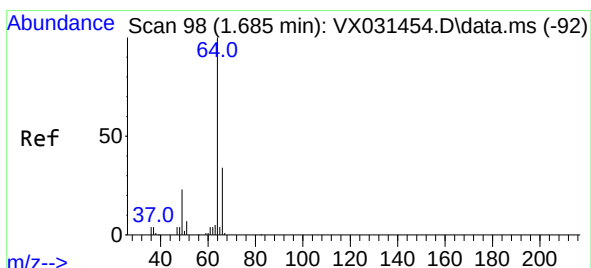
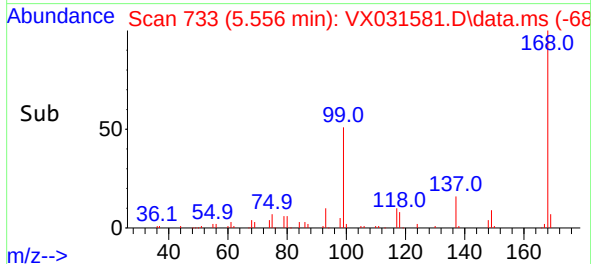
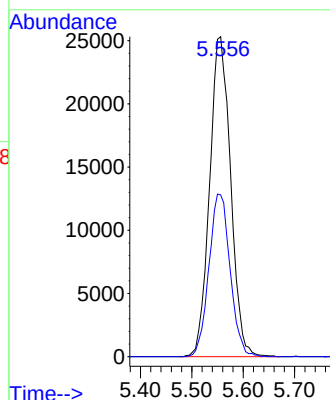
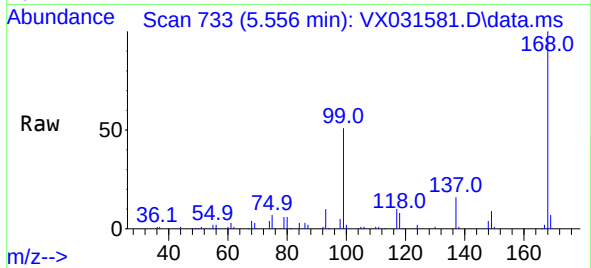




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

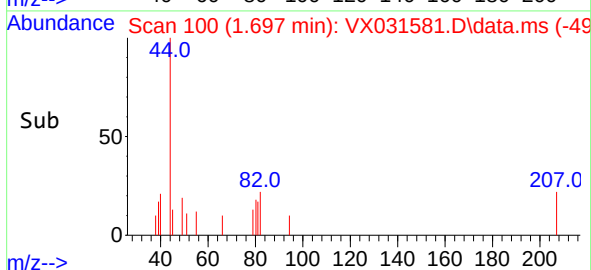
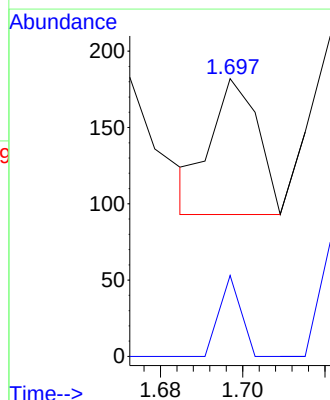
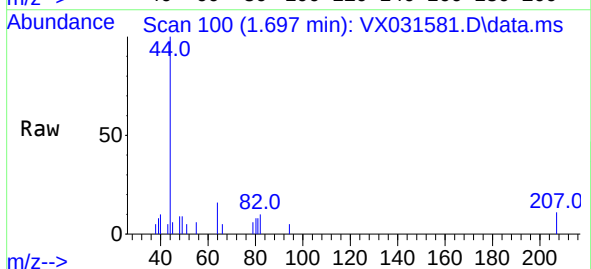
Instrument :
MSVOA_X
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MW-23R

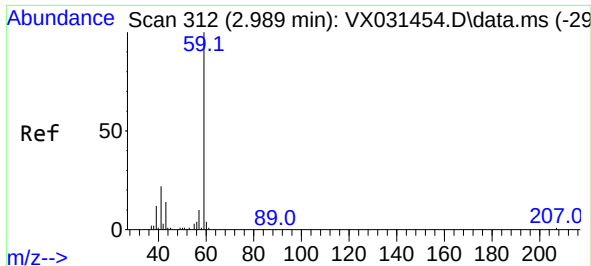
Tgt Ion:168 Resp: 71754
Ion Ratio Lower Upper
168 100
99 50.6 48.8 73.2



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 59.6 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.983 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX031581.D

Acq: 22 Sep 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

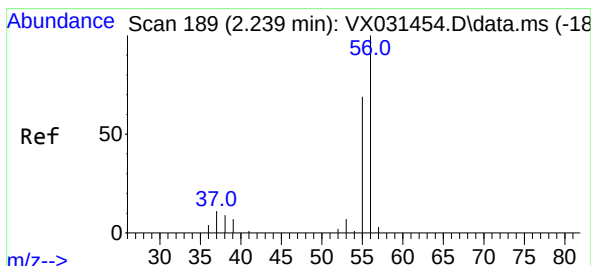
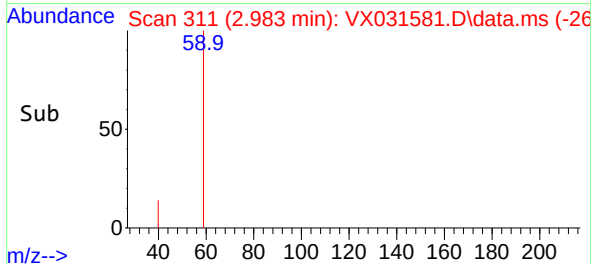
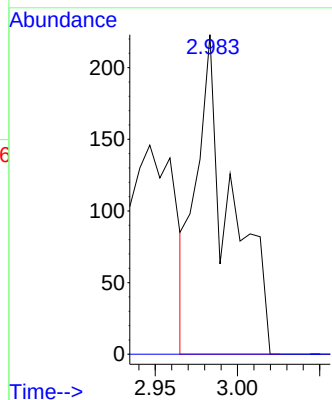
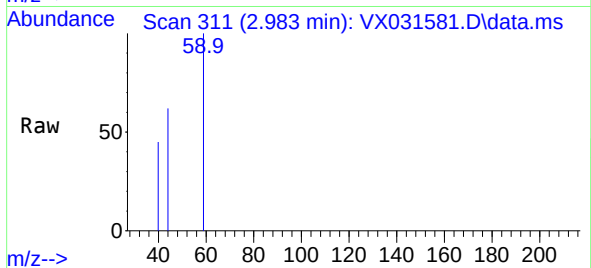
MW-23R

Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: Below Cal

RT: 2.343 min Scan# 206

Delta R.T. 0.104 min

Lab File: VX031581.D

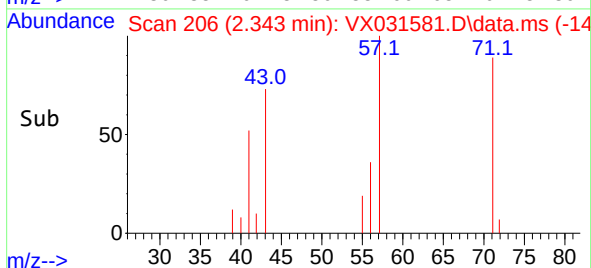
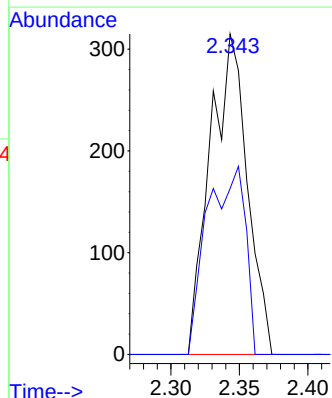
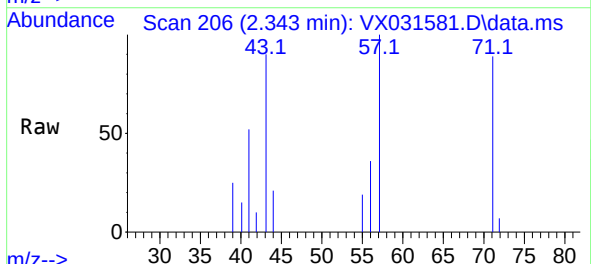
Acq: 22 Sep 2022 19:28

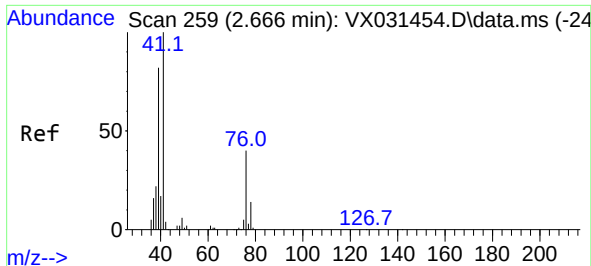
Tgt Ion: 56 Resp: 595

Ion Ratio Lower Upper

56 100

55 60.3 56.0 84.0

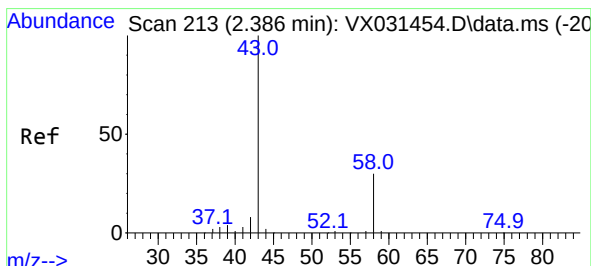
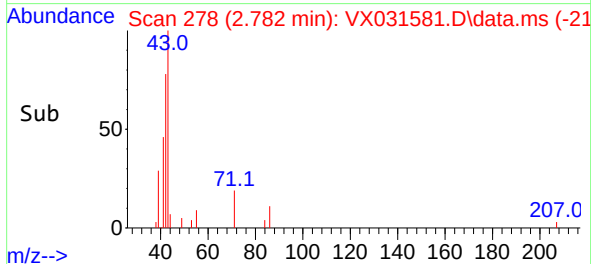
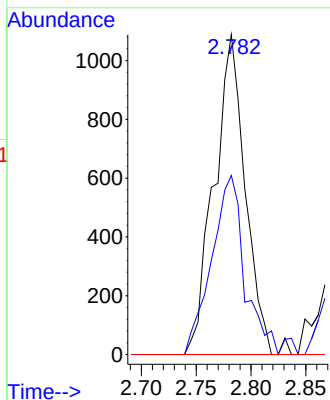
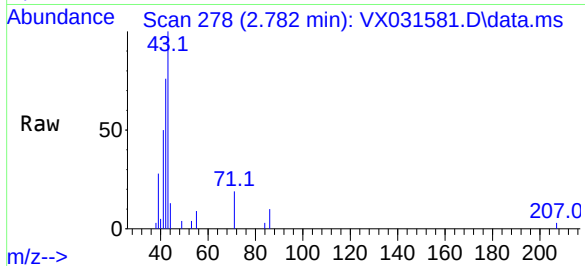




#14
 Allyl chloride
 Concen: 1.176 ug/l
 RT: 2.782 min Scan# 21
 Delta R.T. 0.116 min
 Lab File: VX031581.D
 Acq: 22 Sep 2022 19:28

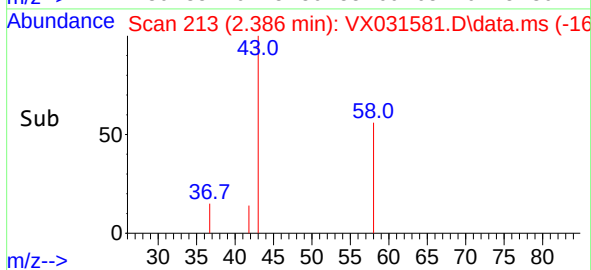
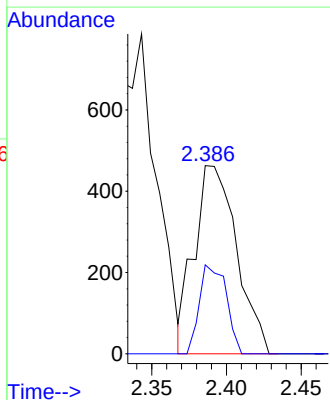
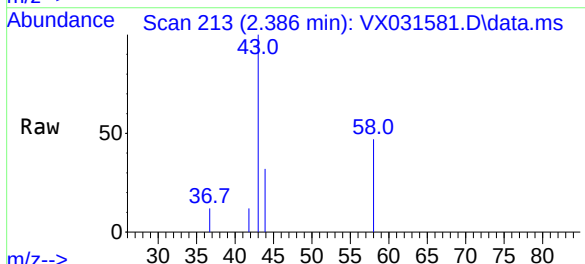
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23R

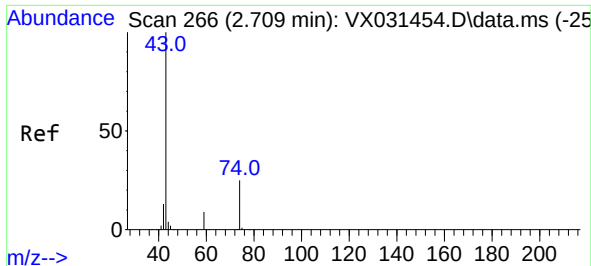
Tgt Ion: 41 Resp: 2141
 Ion Ratio Lower Upper
 41 100
 39 59.6 58.2 87.4
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: Below Cal
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX031581.D
 Acq: 22 Sep 2022 19:28

Tgt Ion: 43 Resp: 913
 Ion Ratio Lower Upper
 43 100
 58 47.3 23.8 35.8#

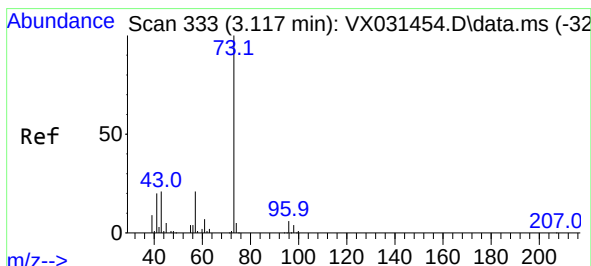
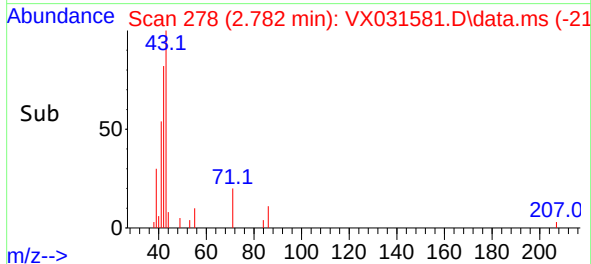
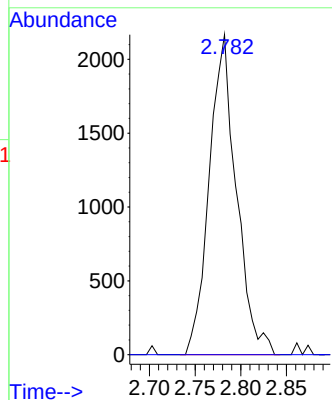
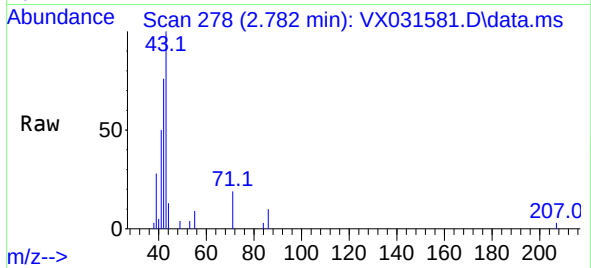




#18
Methyl Acetate
Concen: 2.276 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.073 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

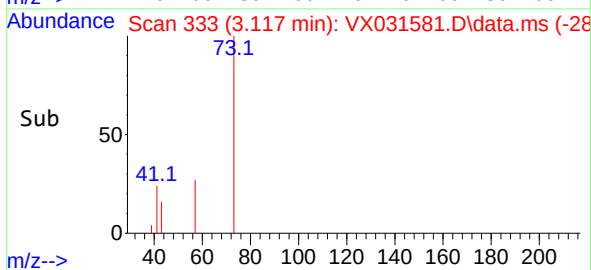
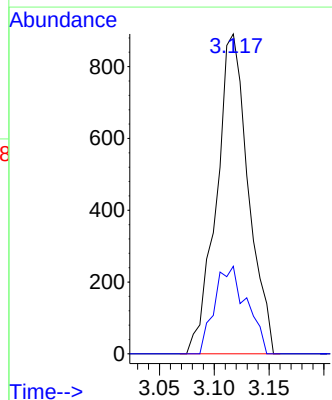
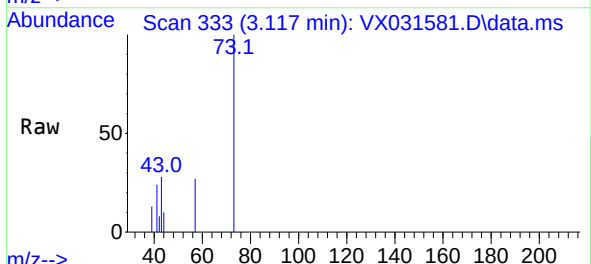
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

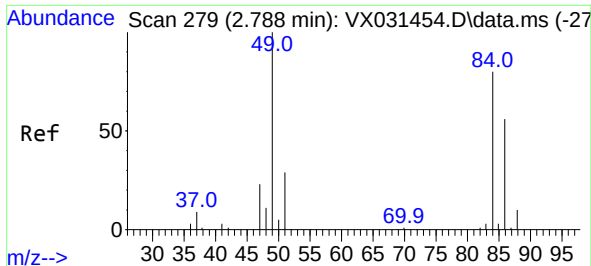
Tgt Ion: 43 Resp: 4476
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#19
Methyl tert-butyl Ether
Concen: 0.446 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 73 Resp: 1802
Ion Ratio Lower Upper
73 100
57 27.4 17.2 25.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031581.D

Acq: 22 Sep 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW-23R

Tgt Ion: 84 Resp: 108

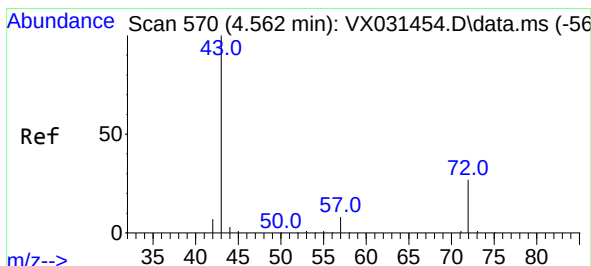
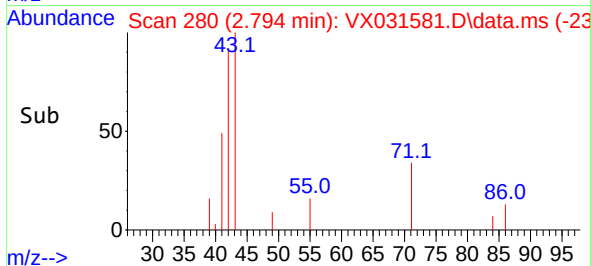
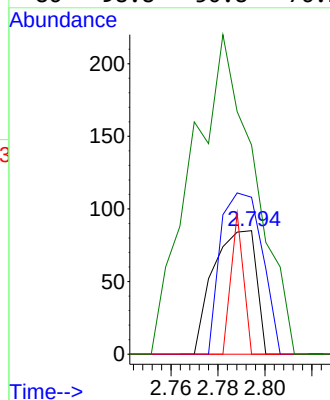
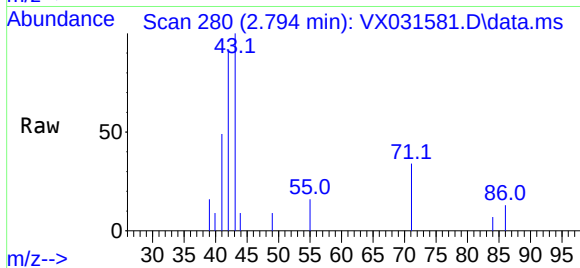
Ion Ratio Lower Upper

84 100

49 127.1 105.9 158.9

51 0.0 32.2 48.2#

86 98.8 50.8 76.2#



#25

2-Butanone

Concen: 0.235 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.031 min

Lab File: VX031581.D

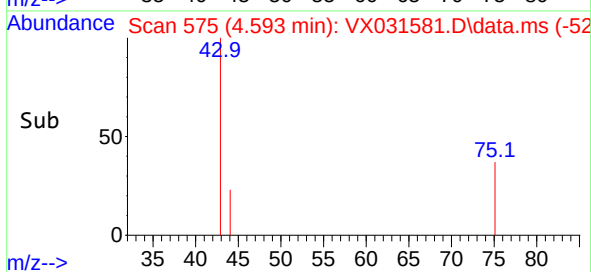
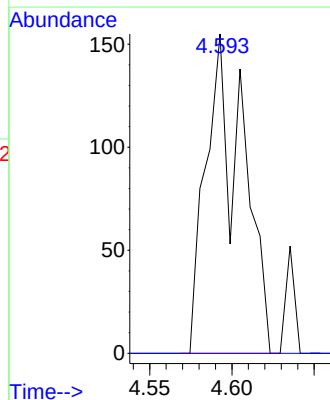
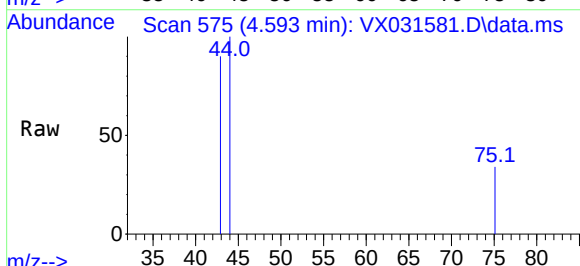
Acq: 22 Sep 2022 19:28

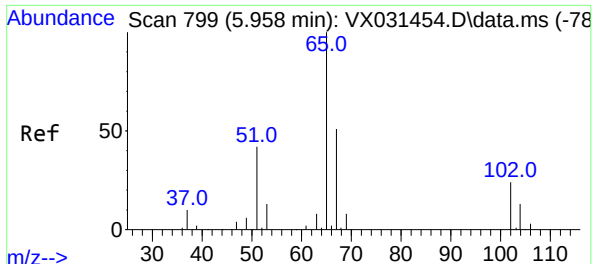
Tgt Ion: 43 Resp: 239

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#





#33

1,2-Dichloroethane-d4

Concen: 54.247 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031581.D

Acq: 22 Sep 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

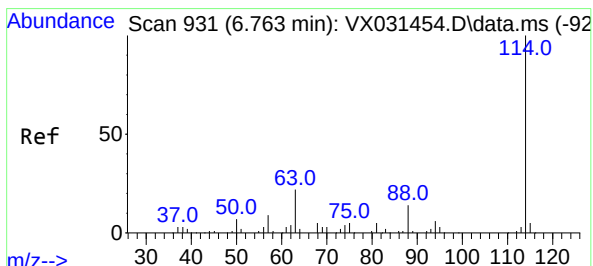
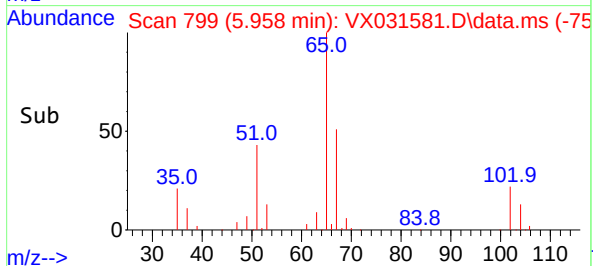
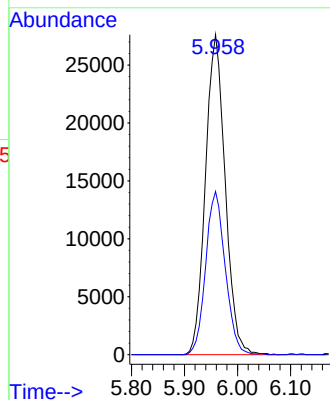
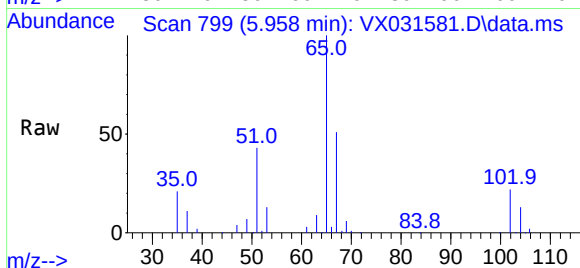
MW-23R

Tgt Ion: 65 Resp: 71397

Ion Ratio Lower Upper

65 100

67 50.6 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: VX031581.D

Acq: 22 Sep 2022 19:28

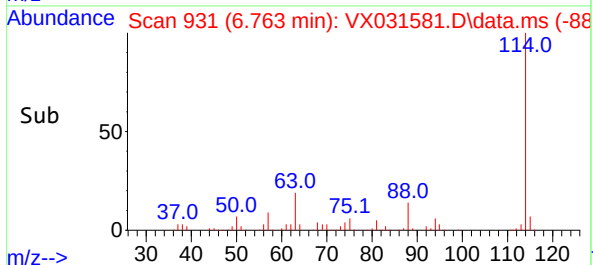
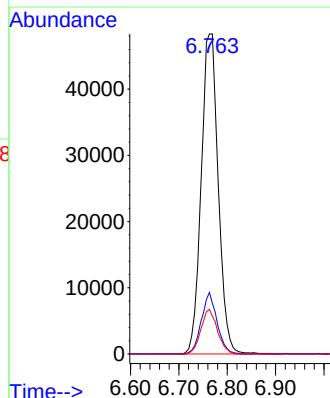
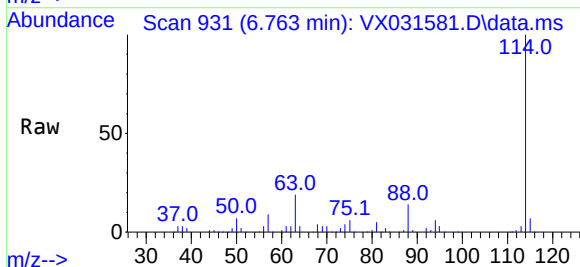
Tgt Ion: 114 Resp: 118508

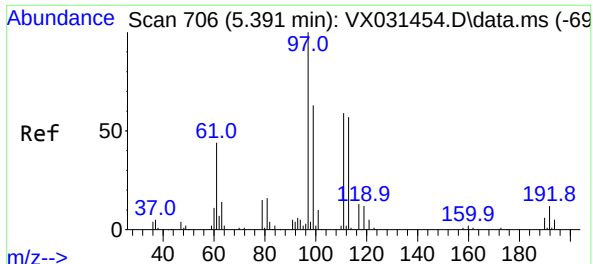
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 13.9 0.0 33.0

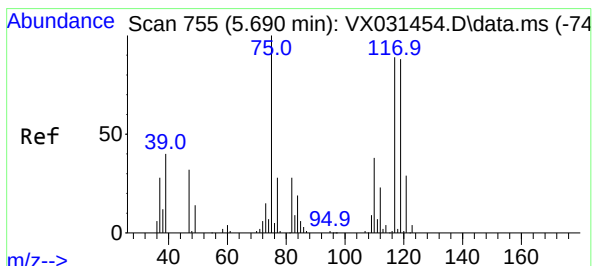
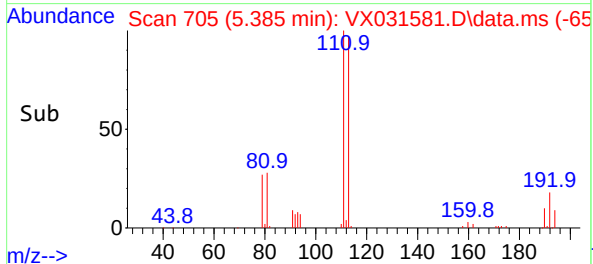
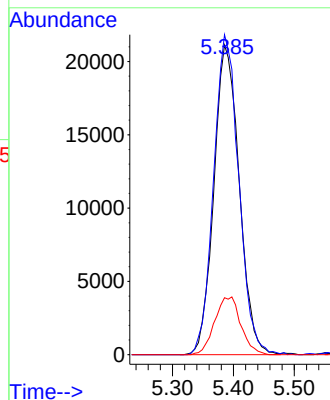
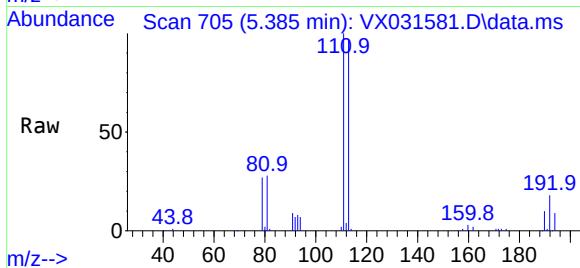




#35
Dibromofluoromethane
Concen: 49.909 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

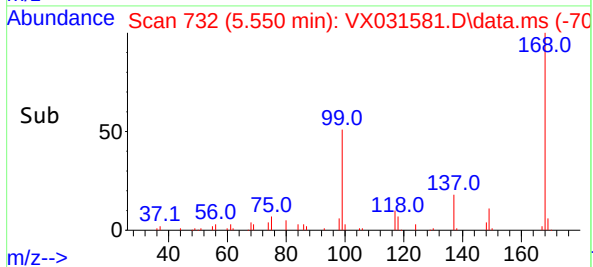
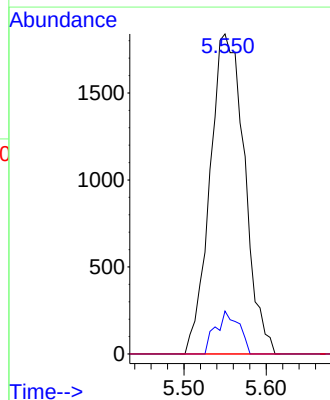
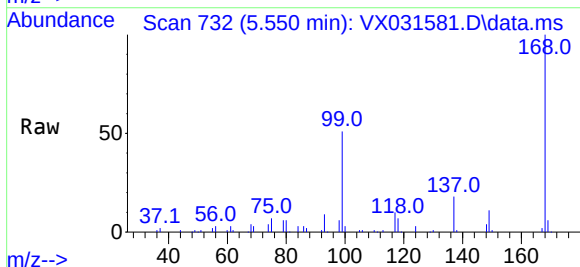
Instrument :
MSVOA_X
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MW-23R

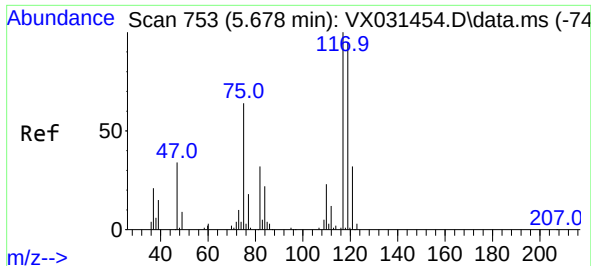
Tgt Ion:	113	Resp:	61135
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	19.2	14.1	21.1



#36
1,1-Dichloropropene
Concen: 2.848 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion:	75	Resp:	5364
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.5	52.5#
77	0.0	24.9	37.3#

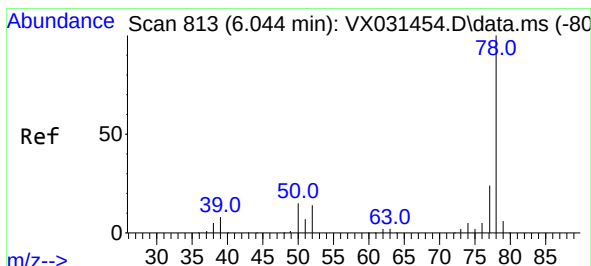
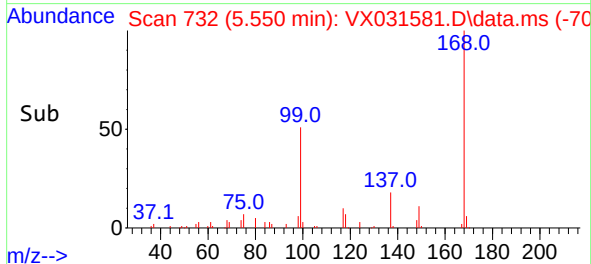
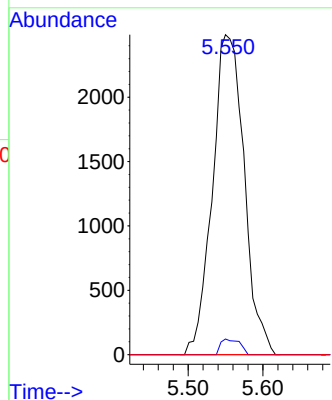
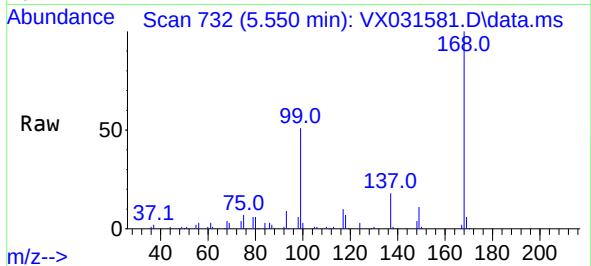




#38
Carbon Tetrachloride
Concen: 3.514 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

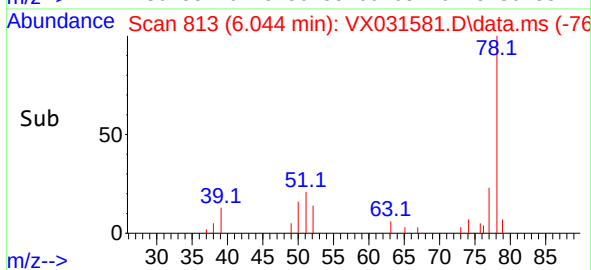
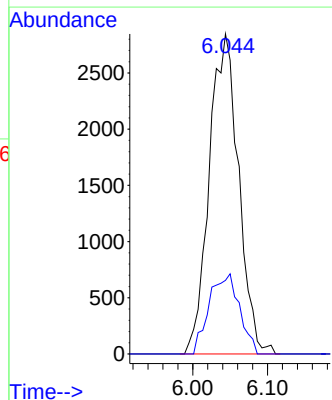
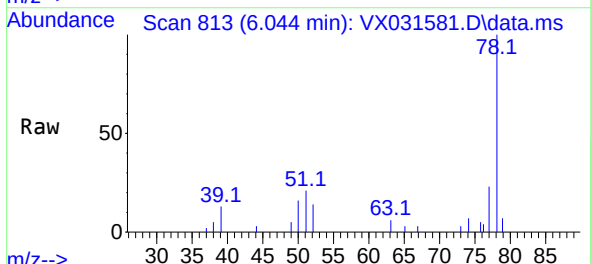
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

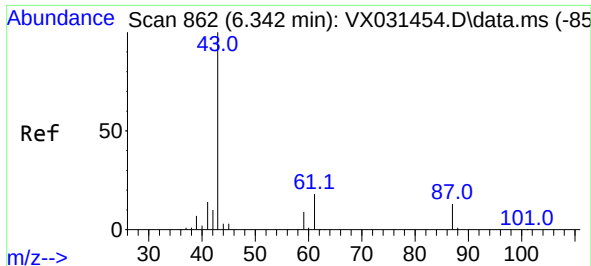
Tgt Ion:117 Resp: 7337
Ion Ratio Lower Upper
117 100
119 4.9 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 1.380 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 78 Resp: 7756
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1

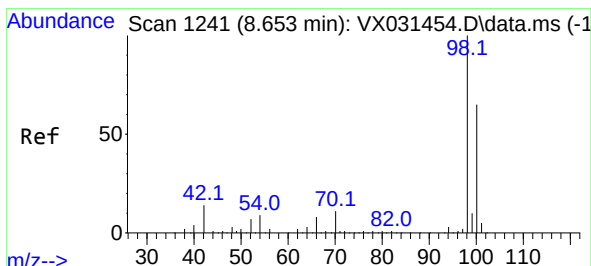
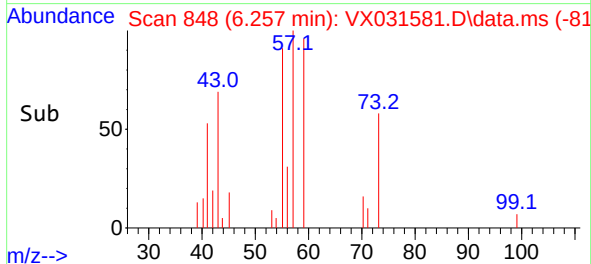
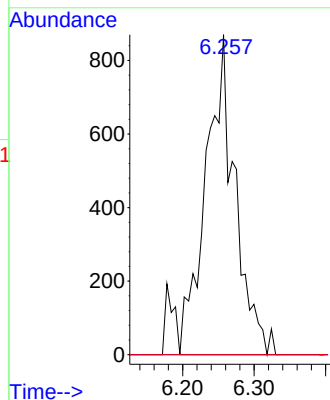
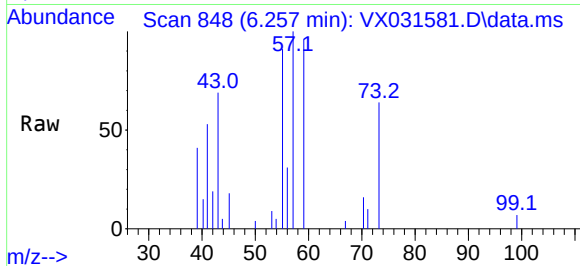




#43
Isopropyl Acetate
Concen: 0.717 ug/l
RT: 6.257 min Scan# 84
Delta R.T. -0.085 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

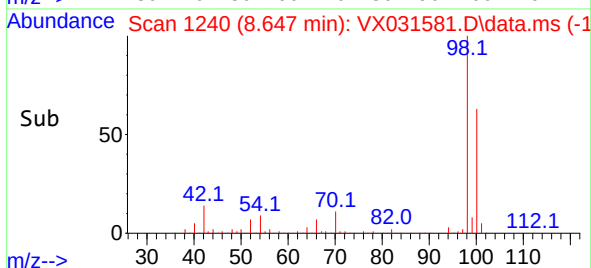
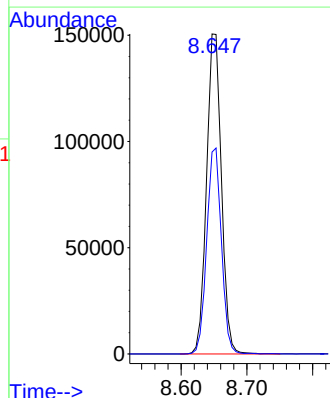
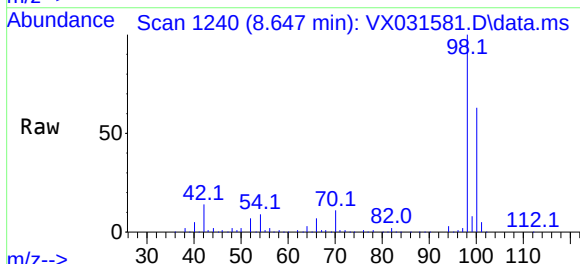
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

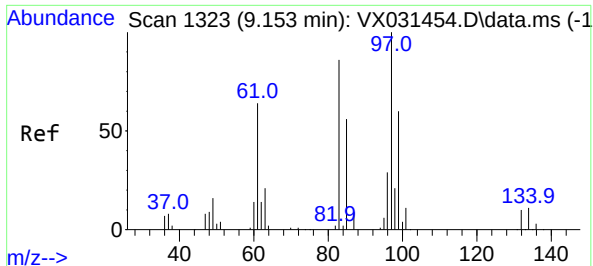
Tgt Ion: 43 Resp: 2477
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.6 15.8#



#50
Toluene-d8
Concen: 50.168 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 98 Resp: 236865
Ion Ratio Lower Upper
98 100
100 63.5 52.5 78.7



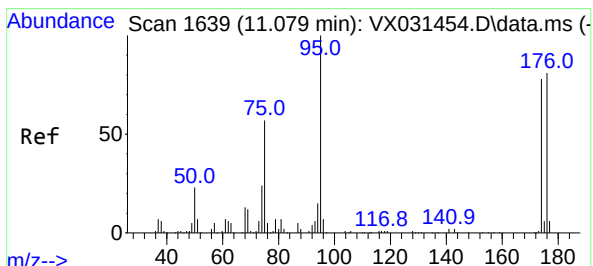
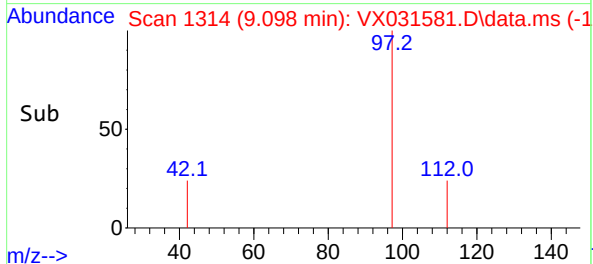
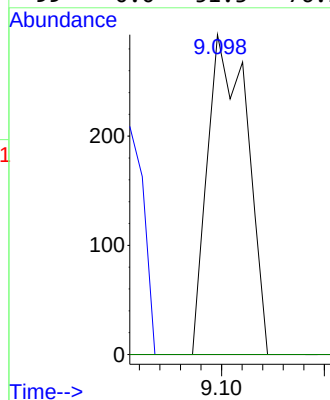
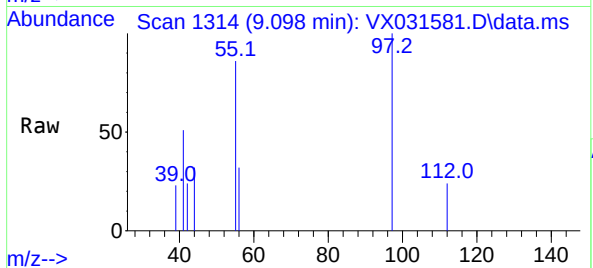


#55
1,1,2-Trichloroethane
Concen: 0.260 ug/l
RT: 9.098 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Instrument :
MSVOA_X
ClientSampleId :
MW-23R

Tgt Ion: 97 Resp: 393

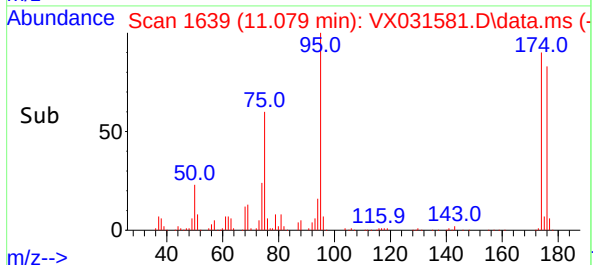
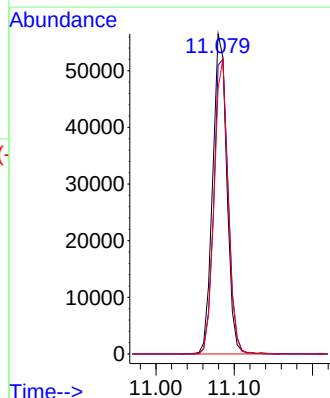
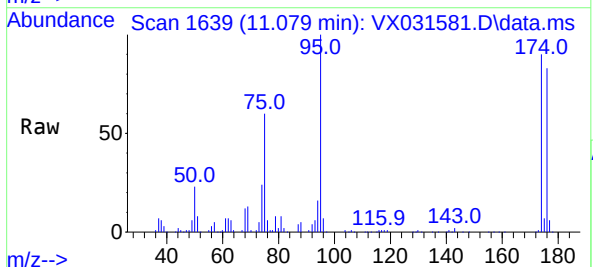
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.0	103.6#
85	0.0	44.1	66.1#
99	0.0	51.3	76.9#

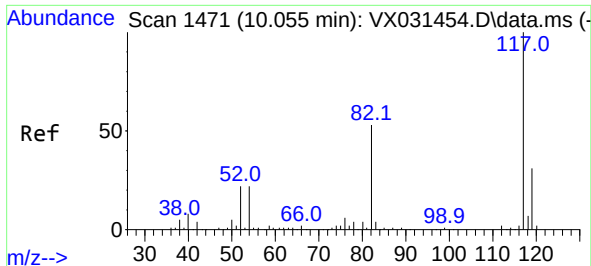


#62
4-Bromofluorobenzene
Concen: 44.297 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 95 Resp: 70844

Ion	Ratio	Lower	Upper
95	100		
174	93.7	0.0	153.2
176	91.0	0.0	144.0

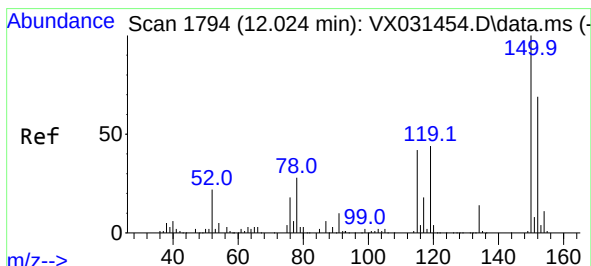
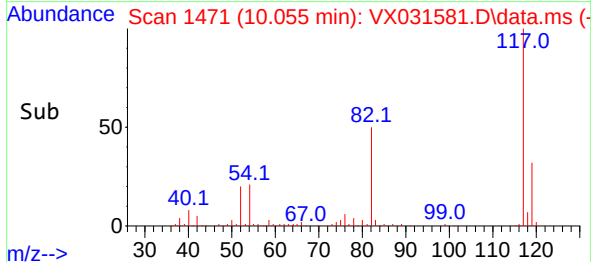
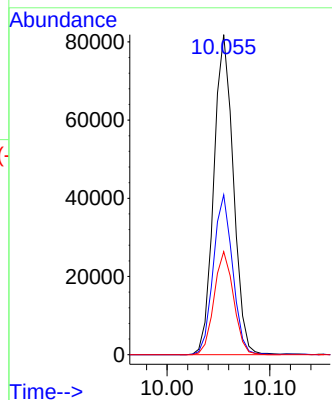
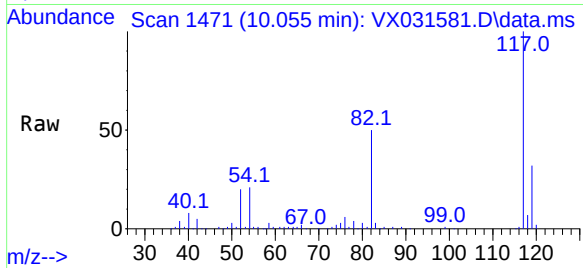




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

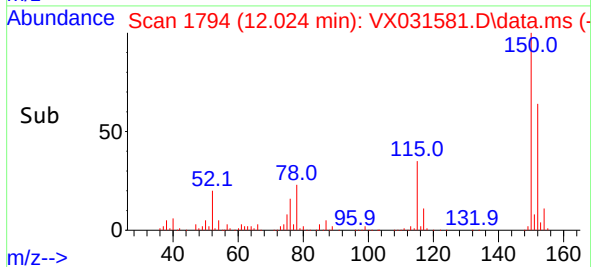
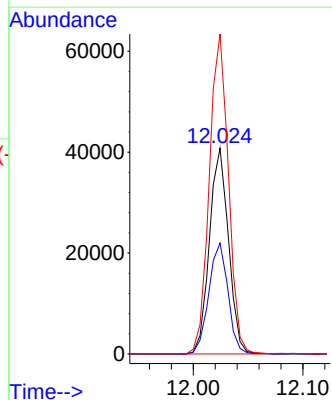
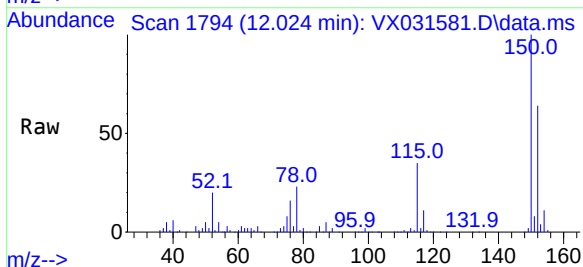
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

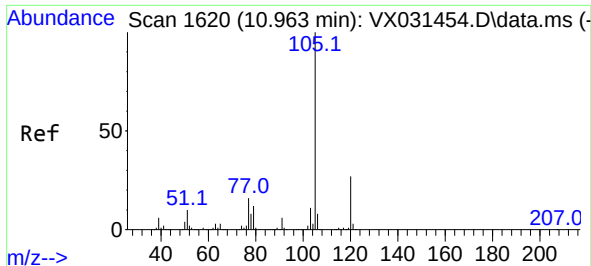
Tgt Ion:117 Resp: 108003
Ion Ratio Lower Upper
117 100
82 49.9 46.8 70.2
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion:152 Resp: 49334
Ion Ratio Lower Upper
152 100
115 54.3 43.4 130.1
150 155.7 0.0 346.8

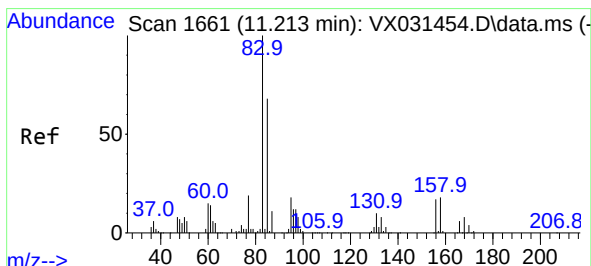
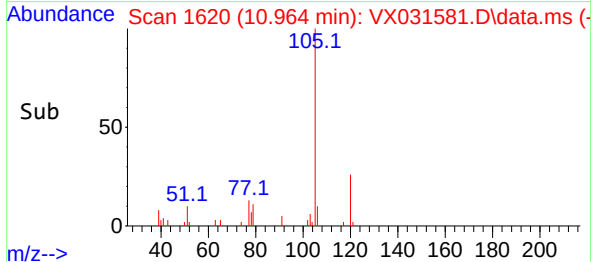
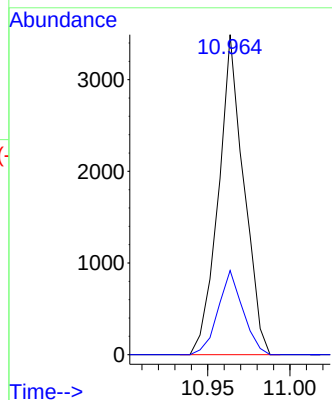
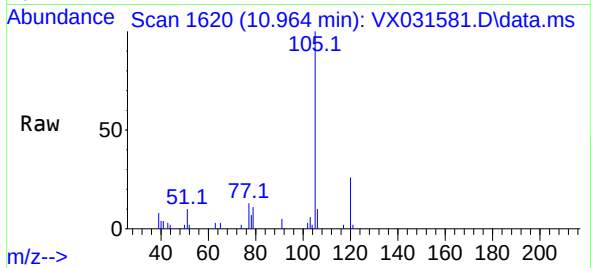




#73
Isopropylbenzene
Concen: 1.018 ug/l
RT: 10.964 min Scan# 1672
Delta R.T. 0.001 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

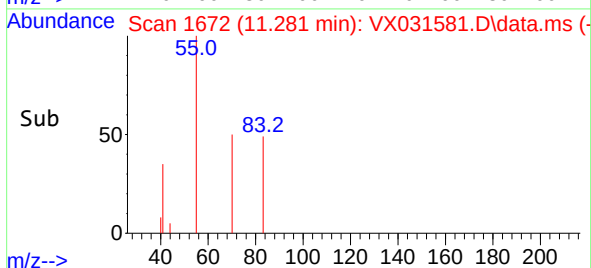
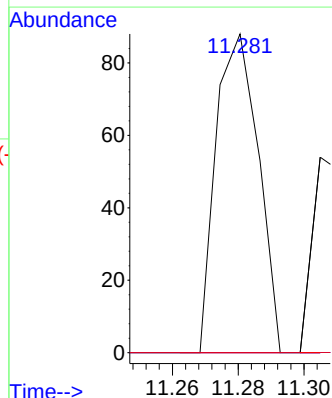
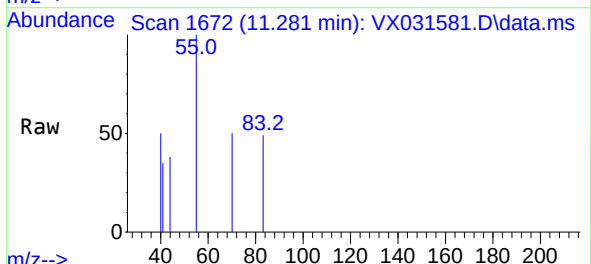
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

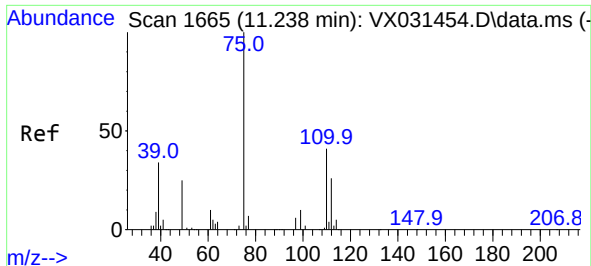
Tgt Ion:105 Resp: 3752
Ion Ratio Lower Upper
105 100
120 25.7 13.7 41.0



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.281 min Scan# 1672
Delta R.T. 0.068 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 83 Resp: 79
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#

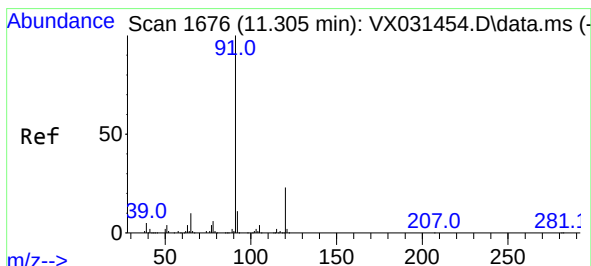
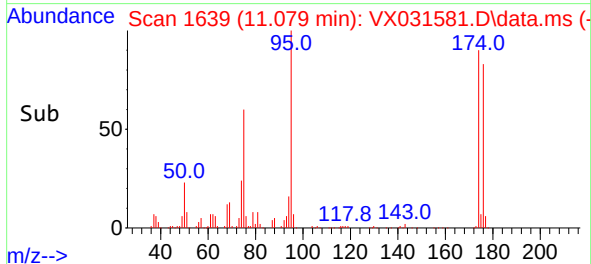
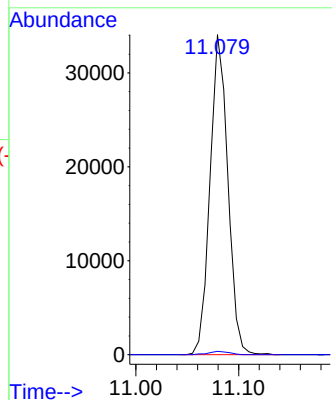
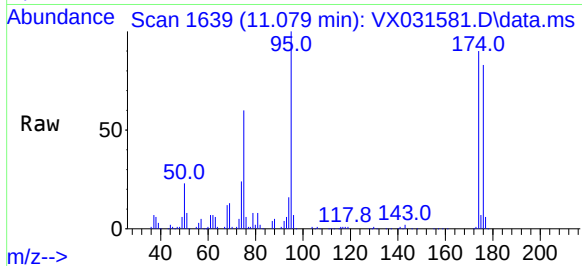




#76
1,2,3-Trichloropropane
Concen: 37.263 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

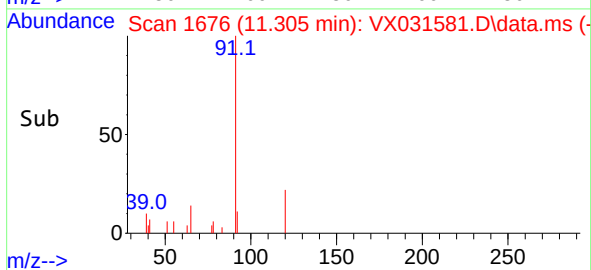
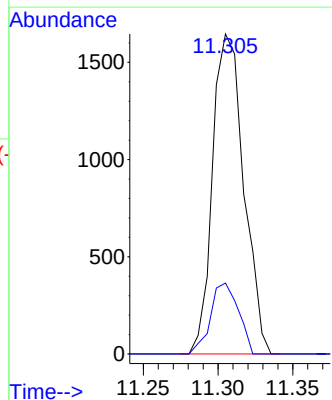
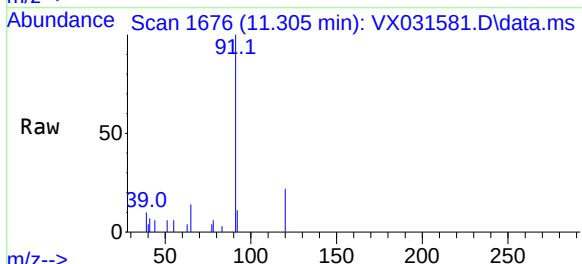
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

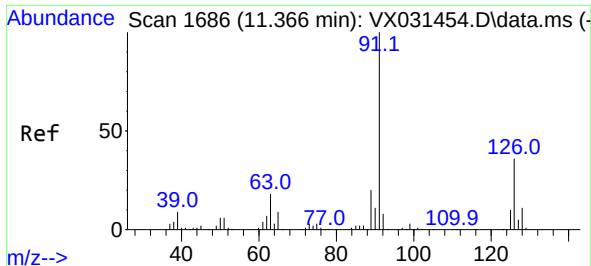
Tgt Ion: 75 Resp: 41030
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#78
n-propylbenzene
Concen: 0.563 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 91 Resp: 2388
Ion Ratio Lower Upper
91 100
120 19.8 11.8 35.4

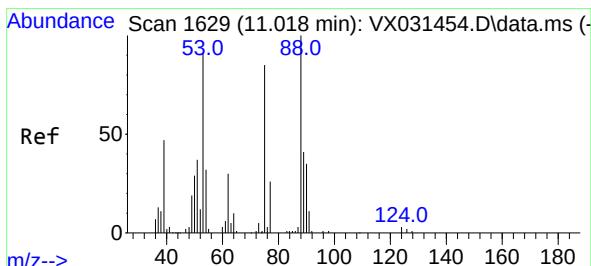
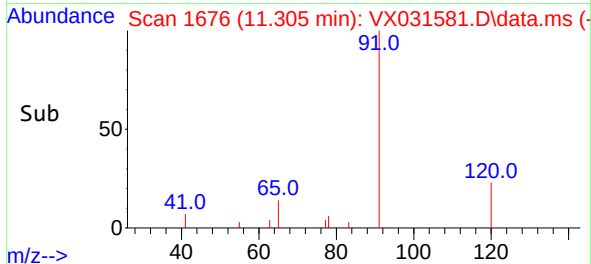
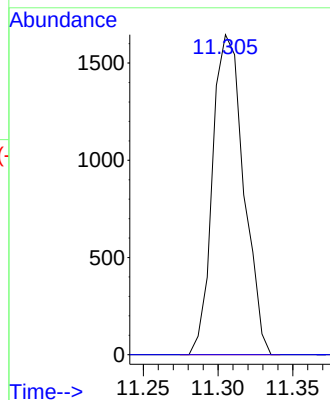
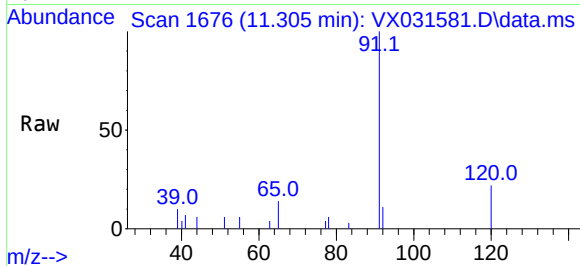




#79
2-Chlorotoluene
Concen: 0.947 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

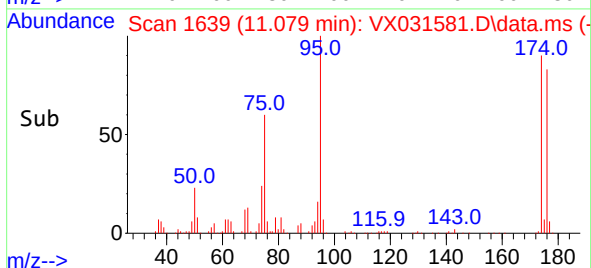
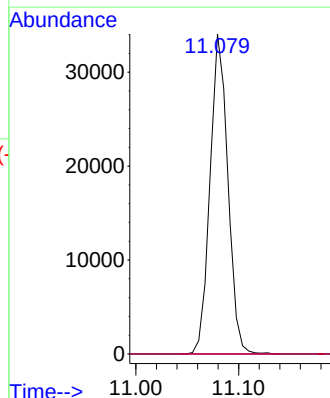
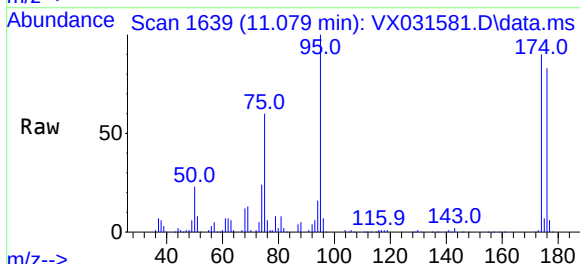
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

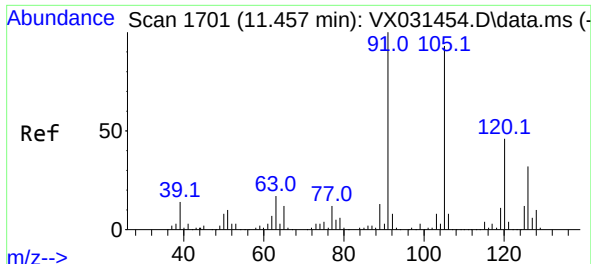
Tgt Ion: 91 Resp: 2388
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.983 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 75 Resp: 41030
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

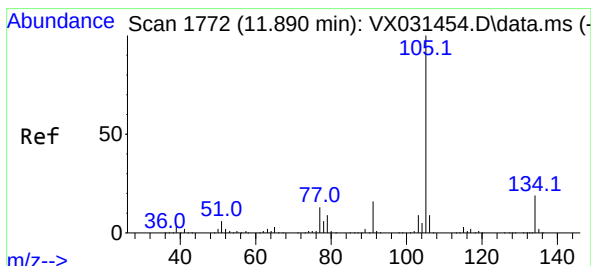
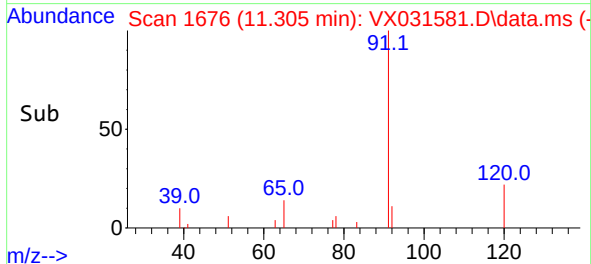
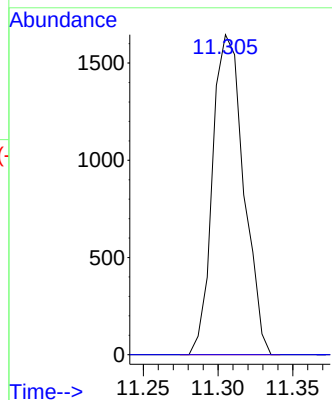
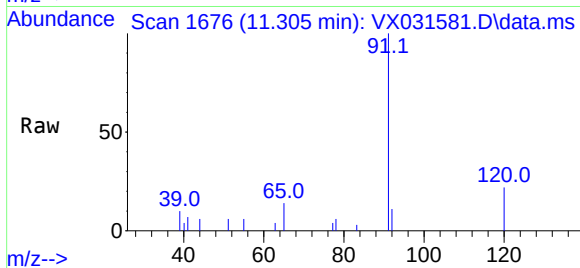




#82
4-Chlorotoluene
Concen: 0.807 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.152 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

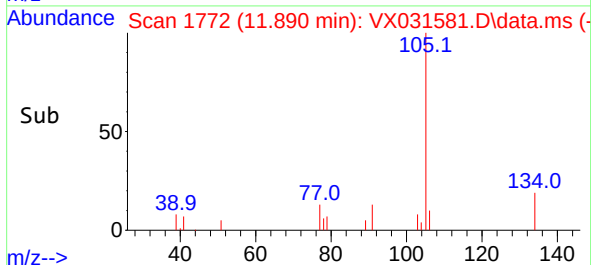
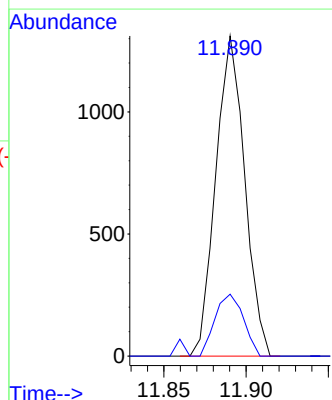
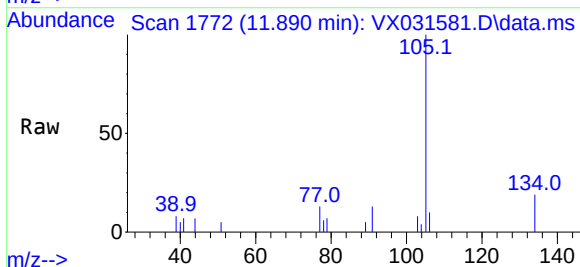
Instrument :
MSVOA_X
ClientSampleId :
MW-23R

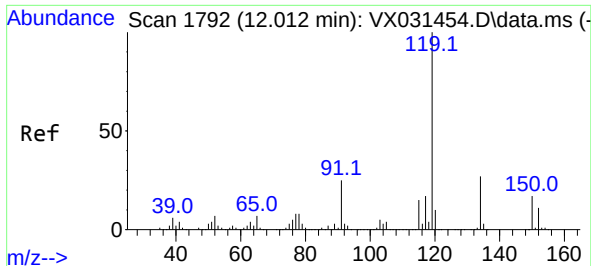
Tgt Ion: 91 Resp: 2388
Ion Ratio Lower Upper
91 100
126 0.0 15.1 45.3#



#85
sec-Butylbenzene
Concen: 0.418 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Tgt Ion: 105 Resp: 1604
Ion Ratio Lower Upper
105 100
134 19.0 10.4 31.1





#86

p-Isopropyltoluene

Concen: 0.504 ug/l

RT: 12.250 min Scan# 1831

Delta R.T. 0.238 min

Lab File: VX031581.D

Acq: 22 Sep 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW-23R

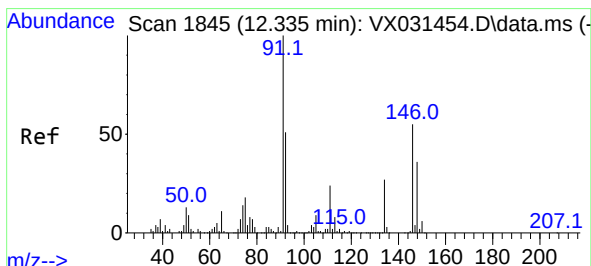
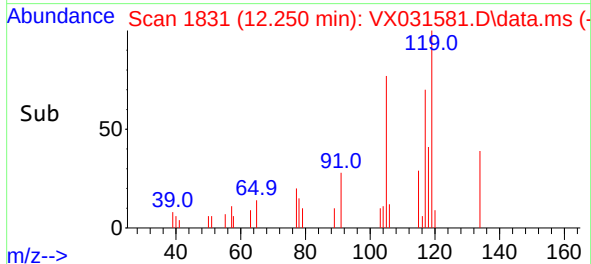
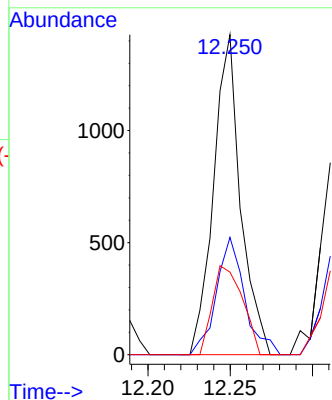
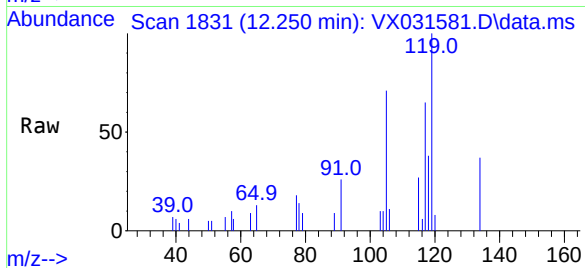
Tgt Ion:119 Resp: 1633

Ion Ratio Lower Upper

119 100

134 38.4 13.4 40.2

91 30.9 12.4 37.2



#89

n-Butylbenzene

Concen: 0.229 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.024 min

Lab File: VX031581.D

Acq: 22 Sep 2022 19:28

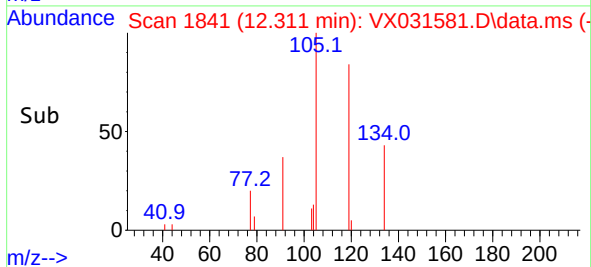
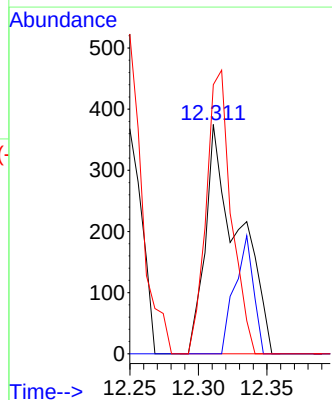
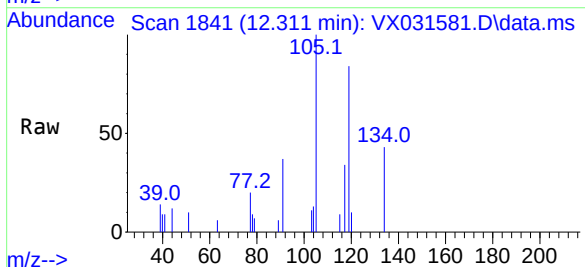
Tgt Ion: 91 Resp: 632

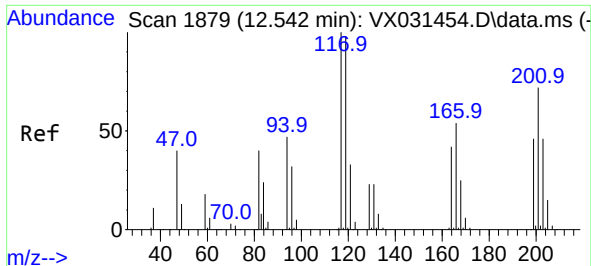
Ion Ratio Lower Upper

91 100

92 0.0 27.0 81.0#

134 93.4 13.3 39.9#





#90
Hexachloroethane
Concen: 4.457 ug/l
RT: 12.646 min Scan# 11
Delta R.T. 0.104 min
Lab File: VX031581.D
Acq: 22 Sep 2022 19:28

Instrument :
MSVOA_X
ClientSampleId :
MW-23R

Tgt Ion:117 Resp: 2480
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#

