

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021581.D
 Acq On : 29 Mar 2021 16:49
 Operator : JC/MD
 Sample : M1785-16 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5R

Quant Time: Mar 30 03:29:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

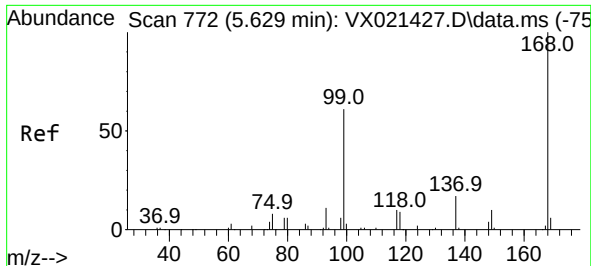
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.635	168	59069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	109090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	113700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	57549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51531	52.43	ug/l	0.00
Spiked Amount 50.000	Range 78	- 117	Recovery	=	104.86%	
35) Dibromofluoromethane	5.458	113	39089	50.44	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	100.88%	
50) Toluene-d8	8.694	98	141273	51.16	ug/l	0.00
Spiked Amount 50.000	Range 92	- 112	Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.118	95	61713	57.48	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	114.96%	
Target Compounds						
						Qvalue
3) Chloromethane	1.311	50	1467	2.01	ug/l	93
11) Tert butyl alcohol	3.017	59	462	2.84	ug/l #	73
16) Acetone	2.423	43	661	1.78	ug/l #	83
18) Methyl Acetate	2.752	43	272	0.25	ug/l #	47
31) Cyclohexane	5.623	56	1708	1.58	ug/l #	34
36) 1,1-Dichloropropene	5.629	75	5252	4.91	ug/l #	50
38) Carbon Tetrachloride	5.629	117	6589	5.74	ug/l #	16
55) 1,1,2-Trichloroethane	9.147	97	382	0.48	ug/l #	15
56) Ethyl methacrylate	9.141	69	48	2.12	ug/l #	1
67) Ethyl Benzene	10.235	91	7541	1.81	ug/l	100
68) m/p-Xylenes	10.341	106	15868	10.70	ug/l	91
69) o-Xylene	10.683	106	777	0.54	ug/l	100
73) Isopropylbenzene	11.000	105	71260	17.62	ug/l	98
74) N-amyl acetate	10.888	43	858	0.44	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.259	83	920	0.64	ug/l #	30
76) 1,2,3-Trichloropropane	11.341	75	1174	0.88	ug/l #	1
78) n-propylbenzene	11.341	91	169749	35.55	ug/l	99
79) 2-Chlorotoluene	11.418	91	9177	3.17	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.489	105	92006	26.63	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	1042	2.37	ug/l #	57
82) 4-Chlorotoluene	11.489	91	11288	3.28	ug/l #	45
83) tert-Butylbenzene	11.753	119	10605	3.15	ug/l	81
84) 1,2,4-Trimethylbenzene	11.789	105	405761	116.52	ug/l	98
85) sec-Butylbenzene	11.930	105	52653	13.57	ug/l	80
86) p-Isopropyltoluene	12.006	119	18164	5.14	ug/l	95
89) n-Butylbenzene	12.371	91	43017	13.29	ug/l #	72
90) Hexachloroethane	12.571	117	2577	4.04	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	13.001	75	271	2.69	ug/l #	1
95) Naphthalene	13.818	128	2347	0.63	ug/l #	93

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

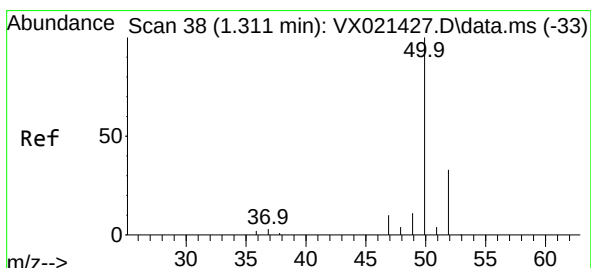
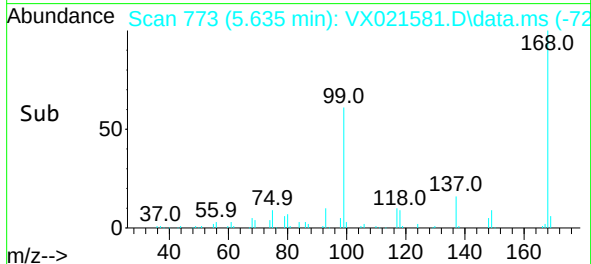
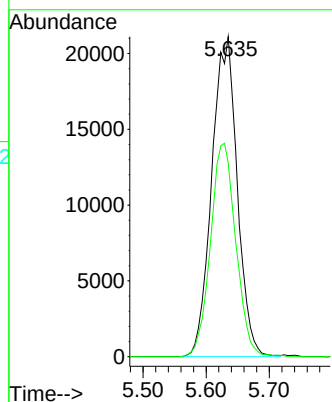
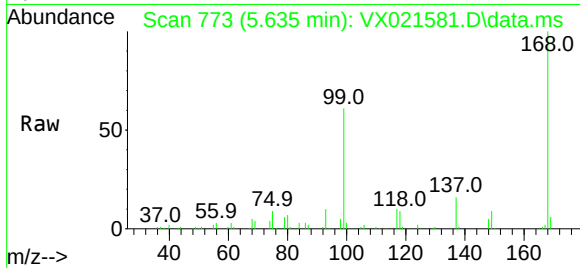




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

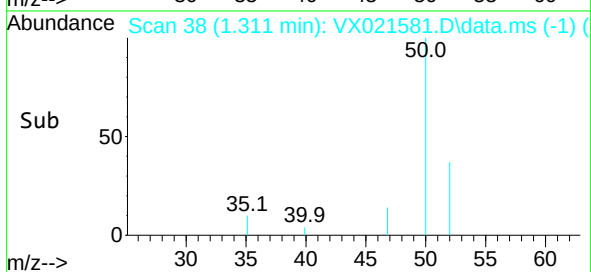
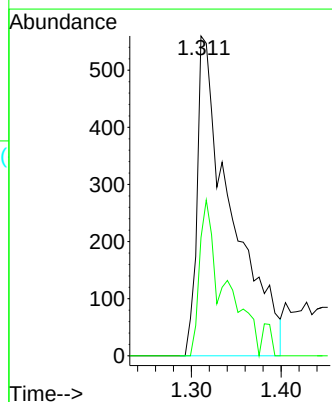
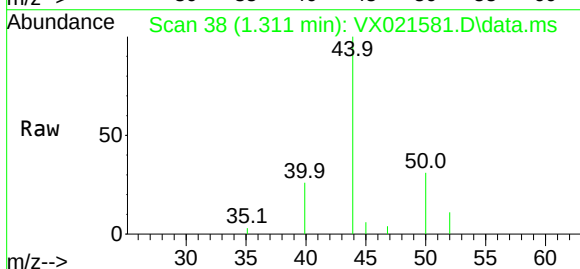
Instrument :
MSVOA_X
ClientSampled :
MW-5R

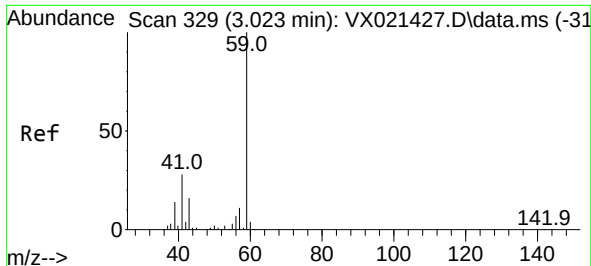
Tgt Ion:168 Resp: 59069
Ion Ratio Lower Upper
168 100
99 60.6 45.8 68.6



#3
Chloromethane
Concen: 2.01 ug/l
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 50 Resp: 1467
Ion Ratio Lower Upper
50 100
52 37.0 26.4 39.6

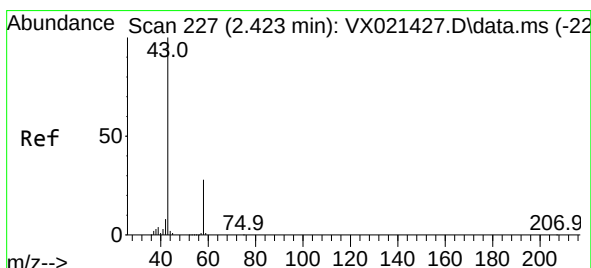
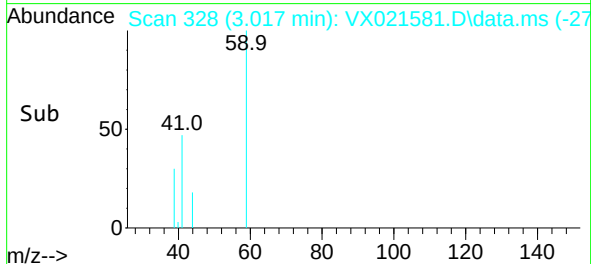
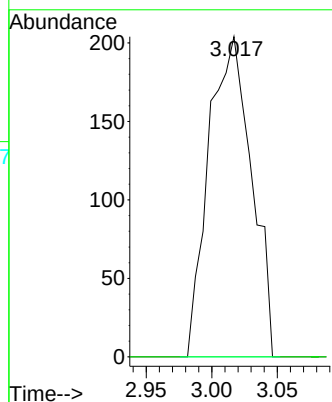
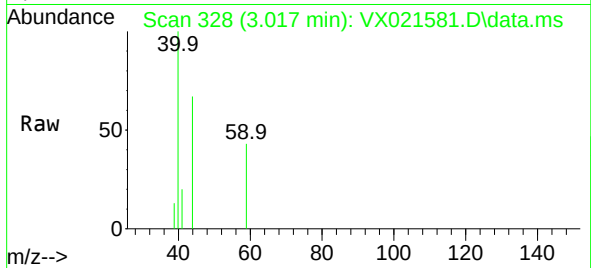




#11
Tert butyl alcohol
Concen: 2.84 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

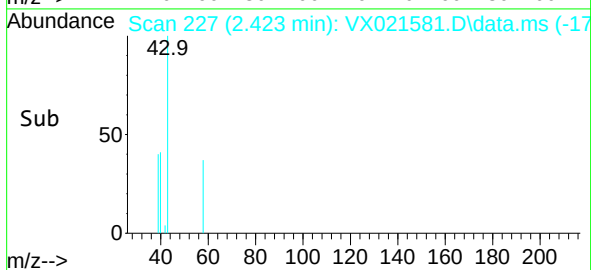
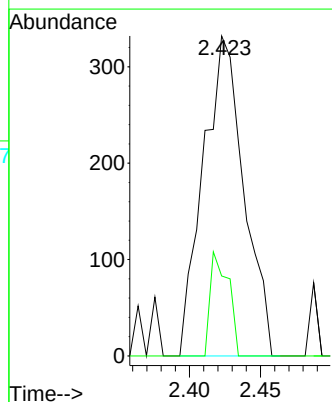
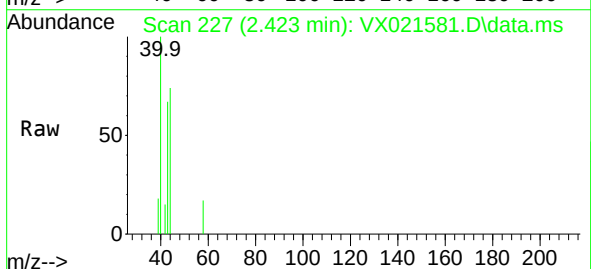
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

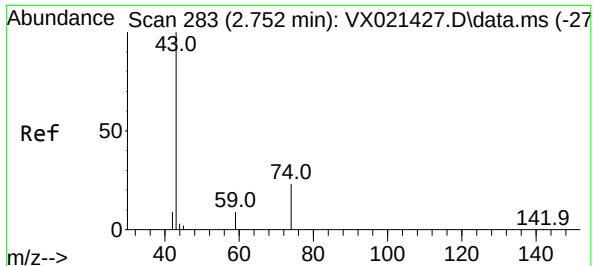
Tgt Ion: 59 Resp: 462
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 1.78 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
58 25.0 27.8 41.8#





#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.752 min Scan# 283

Delta R.T. 0.000 min

Lab File: VX021581.D

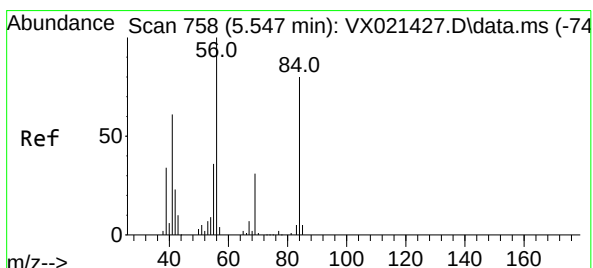
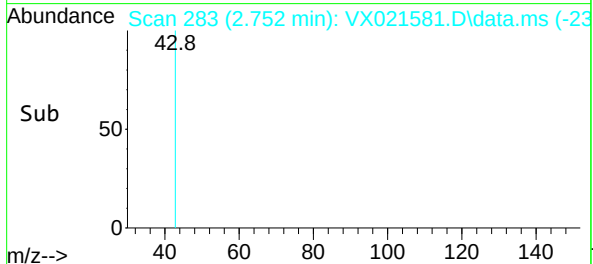
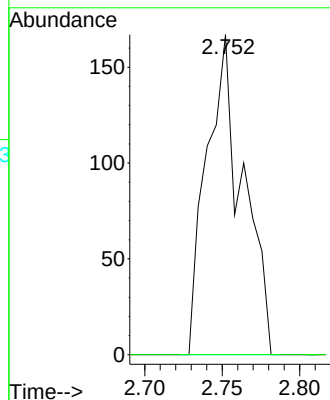
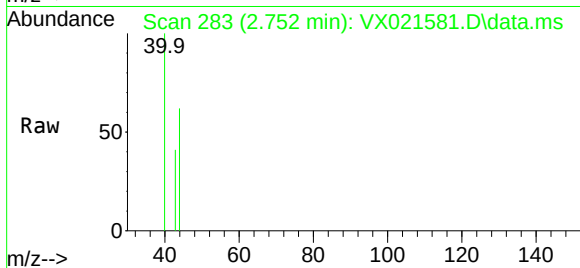
Acq: 29 Mar 2021 16:49

Tgt Ion: 43 Resp: 272

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#31

Cyclohexane

Concen: 1.58 ug/l

RT: 5.623 min Scan# 771

Delta R.T. 0.076 min

Lab File: VX021581.D

Acq: 29 Mar 2021 16:49

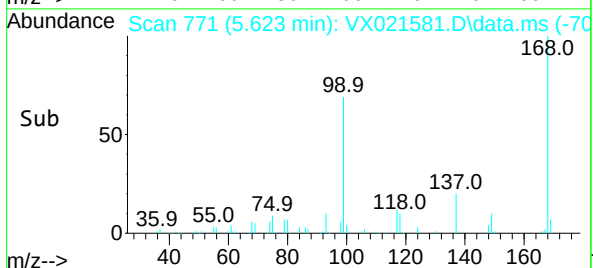
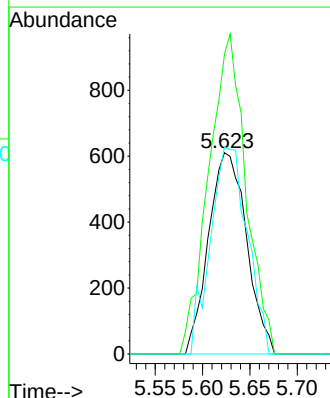
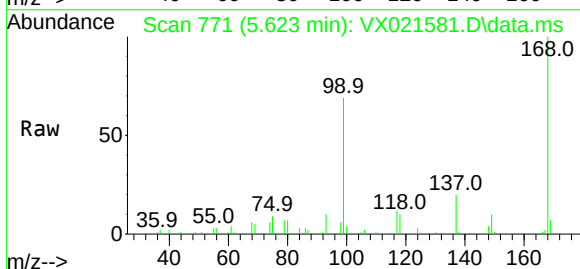
Tgt Ion: 56 Resp: 1708

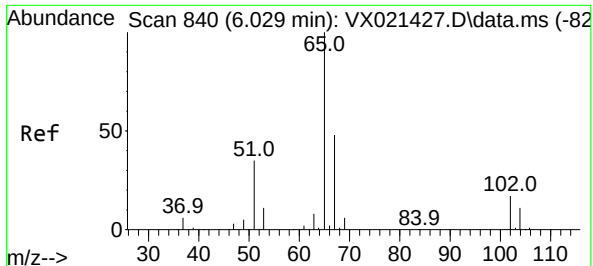
Ion Ratio Lower Upper

56 100

69 148.9 25.3 37.9#

84 102.8 71.4 107.0

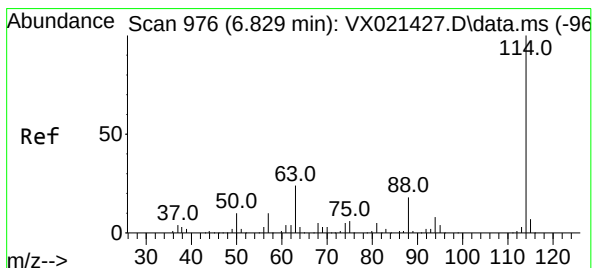
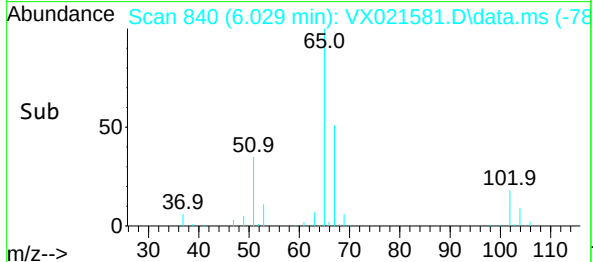
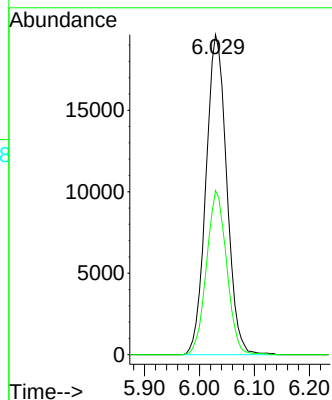
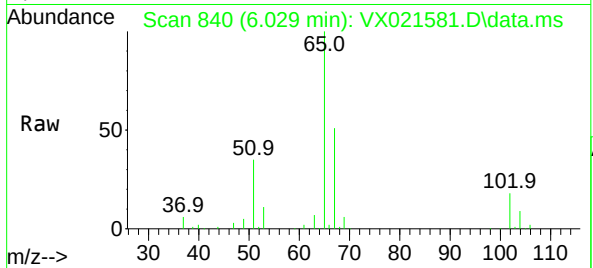




#33
1,2-Dichloroethane-d4
Concen: 52.43 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

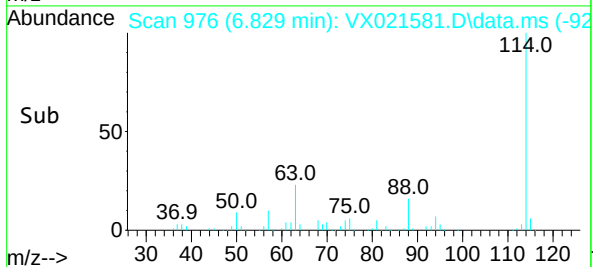
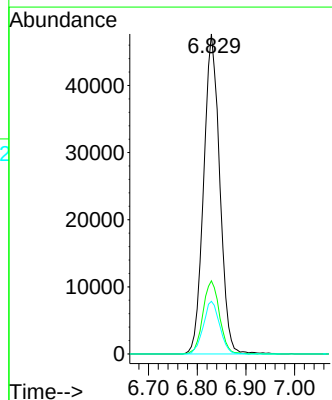
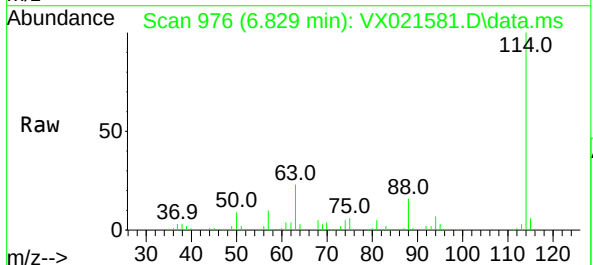
Instrument :
MSVOA_X
ClientSampled :
MW-5R

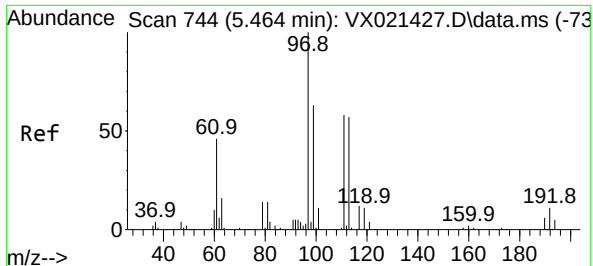
Tgt Ion: 65 Resp: 51531
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 114 Resp: 109090
Ion Ratio Lower Upper
114 100
63 22.8 0.0 40.8
88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.44 ug/l

RT: 5.458 min Scan# 743

Delta R.T. -0.006 min

Lab File: VX021581.D

Acq: 29 Mar 2021 16:49

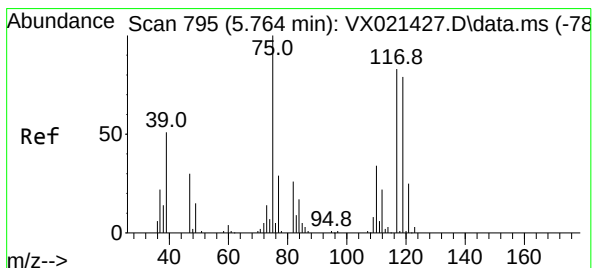
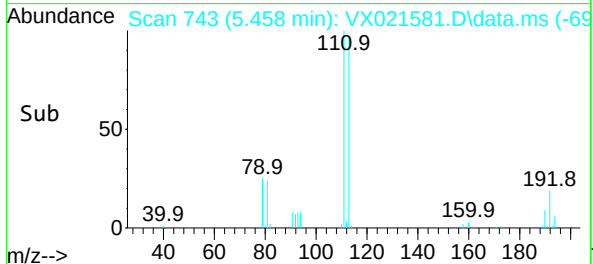
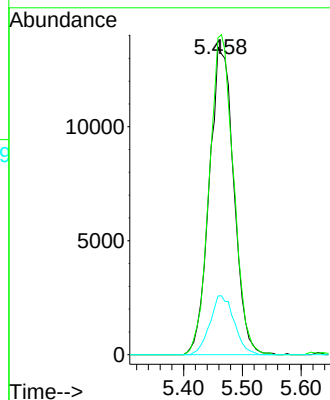
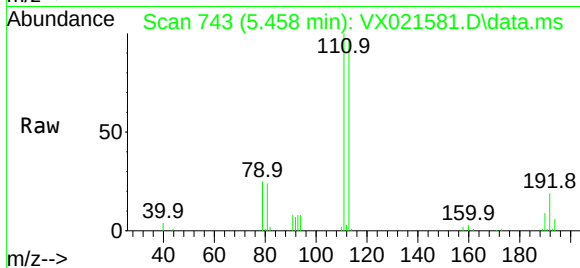
Tgt Ion:113 Resp: 39089

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

192 19.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.91 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.135 min

Lab File: VX021581.D

Acq: 29 Mar 2021 16:49

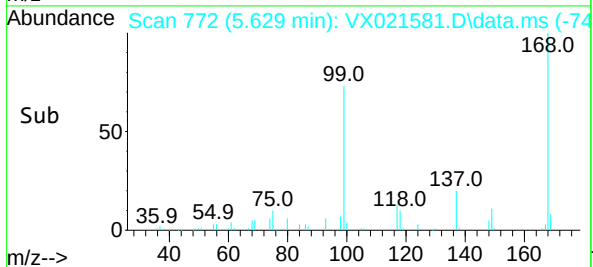
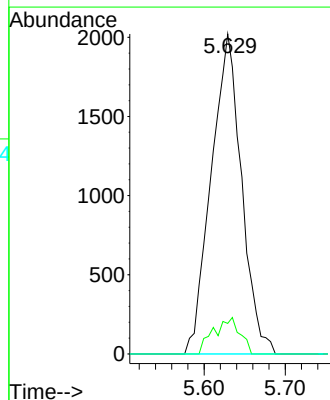
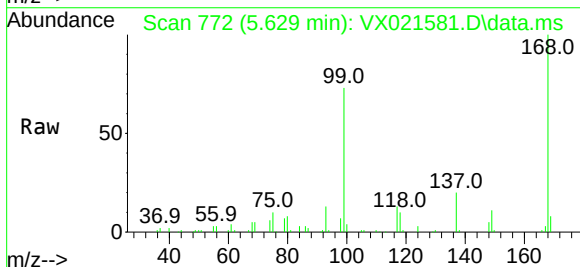
Tgt Ion: 75 Resp: 5252

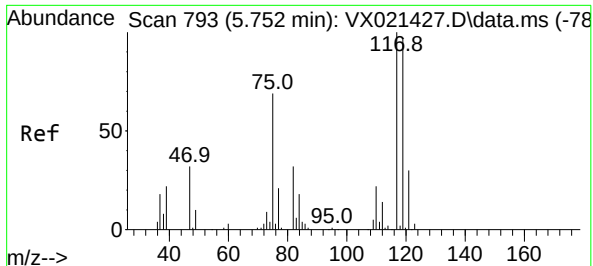
Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

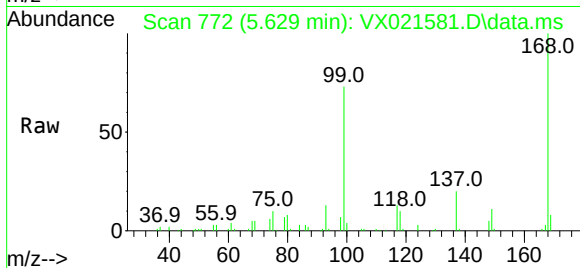
77 0.0 25.3 37.9#



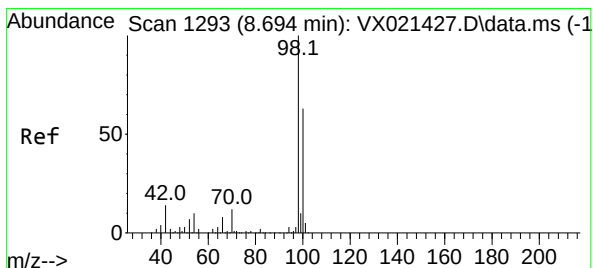
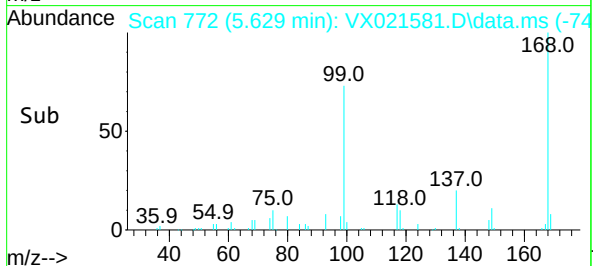
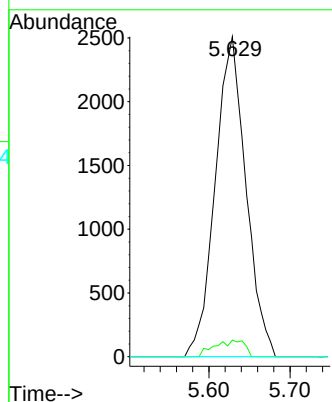


#38
Carbon Tetrachloride
Concen: 5.74 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Instrument :
MSVOA_X
ClientSampled :
MW-5R

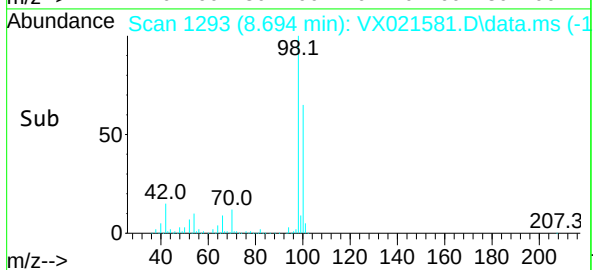
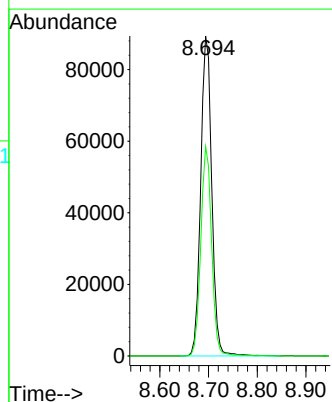
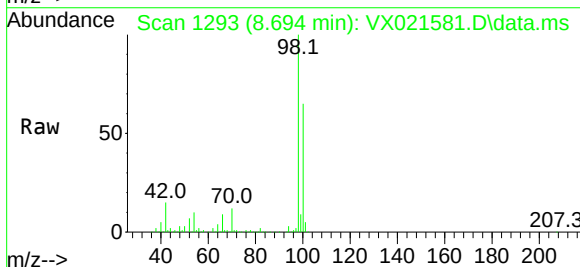


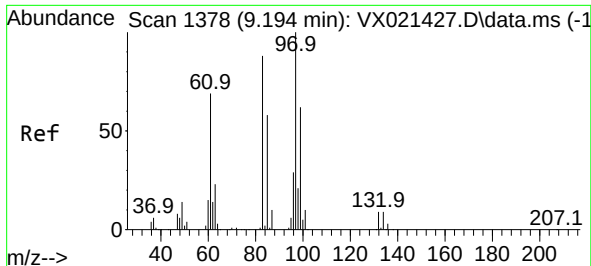
Tgt Ion:117 Resp: 6589
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.16 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 98 Resp: 141273
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

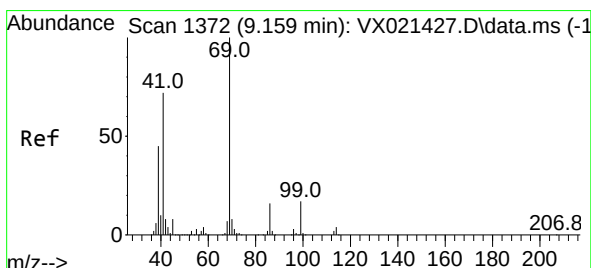
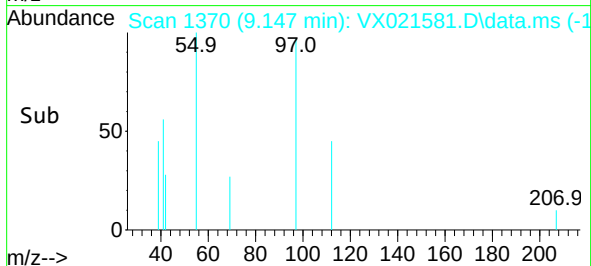
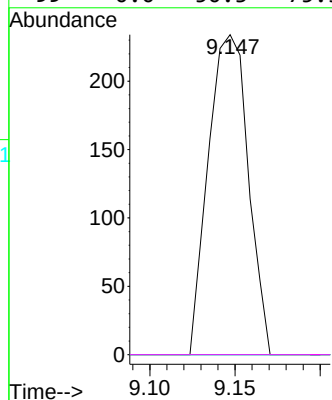
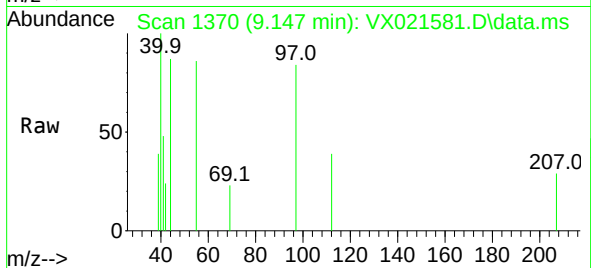




#55
1,1,2-Trichloroethane
Concen: 0.48 ug/l
RT: 9.147 min Scan# 1370
Delta R.T. -0.047 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

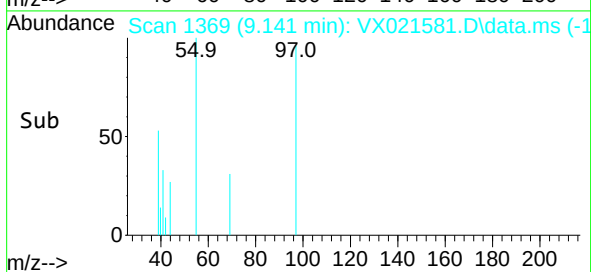
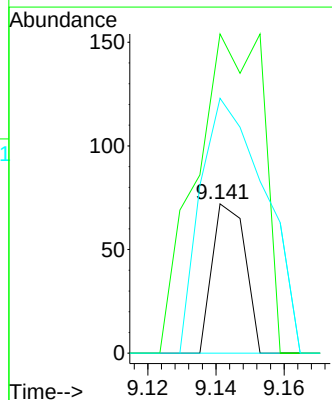
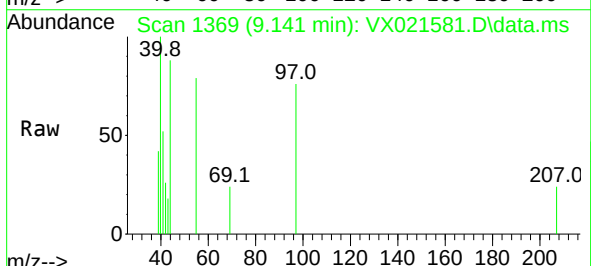
Instrument :
MSVOA_X
ClientSampled :
MW-5R

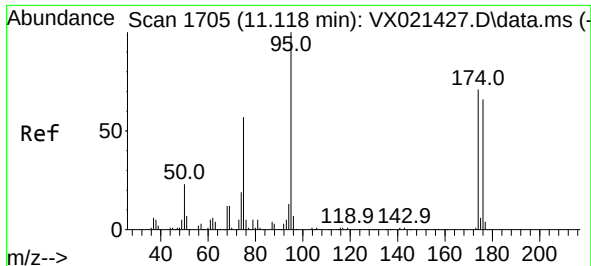
Tgt Ion:	97	Resp:	382
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.3	103.9#
85	0.0	44.3	66.5#
99	0.0	50.3	75.5#



#56
Ethyl methacrylate
Concen: 2.12 ug/l
RT: 9.141 min Scan# 1369
Delta R.T. -0.018 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion:	69	Resp:	48
Ion	Ratio	Lower	Upper
69	100		
41	439.6	46.8	70.2#
39	337.5	24.7	37.1#

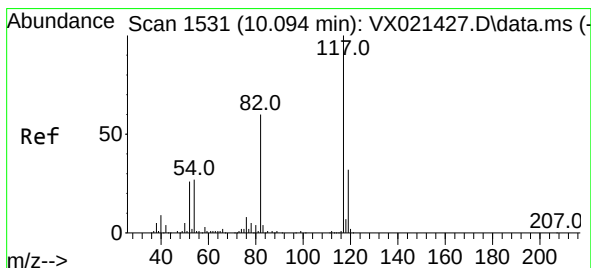
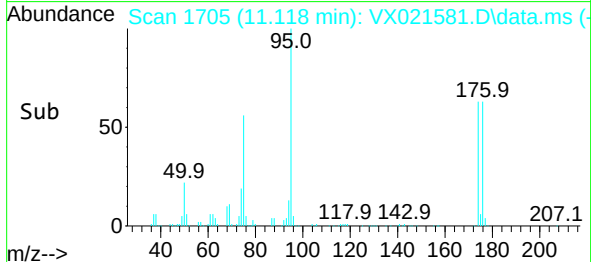
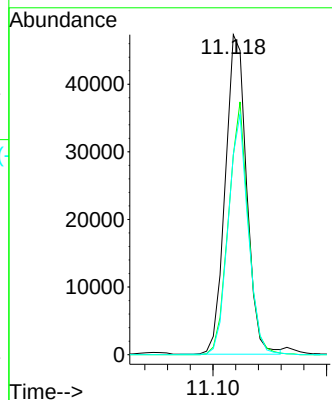
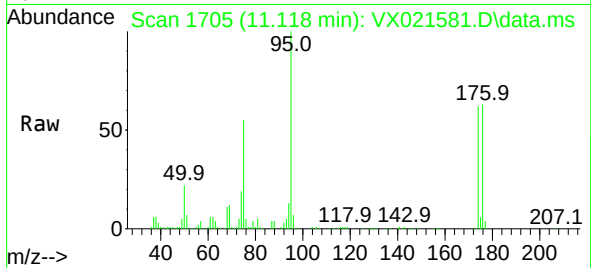




#62
4-Bromofluorobenzene
Concen: 57.48 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

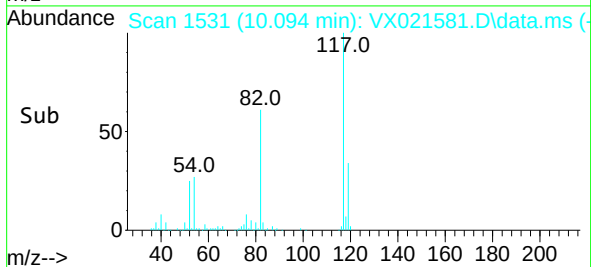
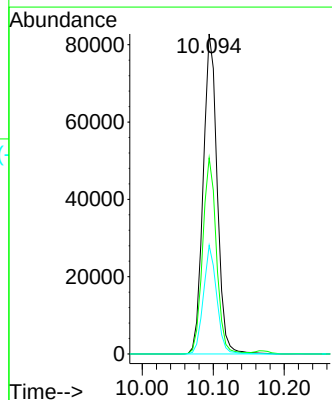
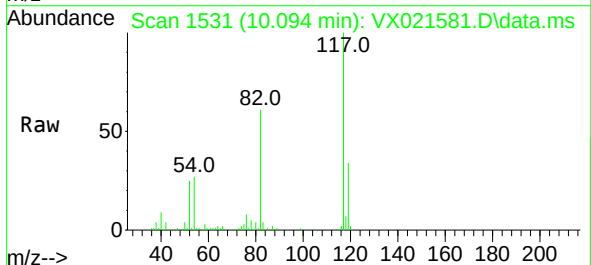
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

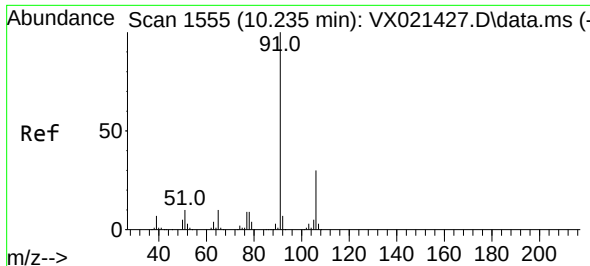
Tgt Ion: 95 Resp: 61713
Ion Ratio Lower Upper
95 100
174 72.8 0.0 154.6
176 70.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 117 Resp: 113700
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 34.0 26.6 39.8

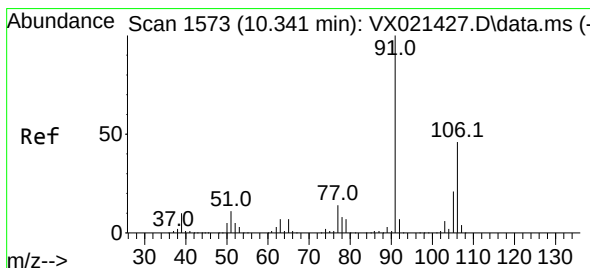
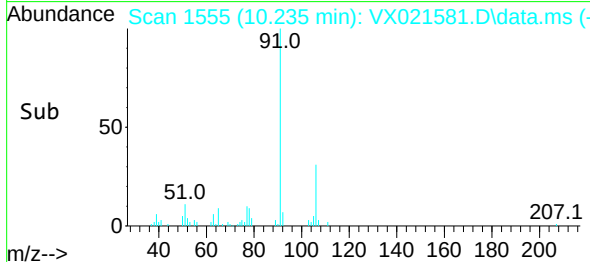
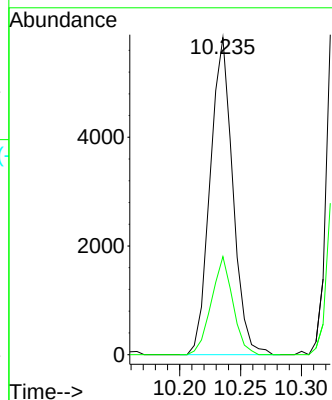
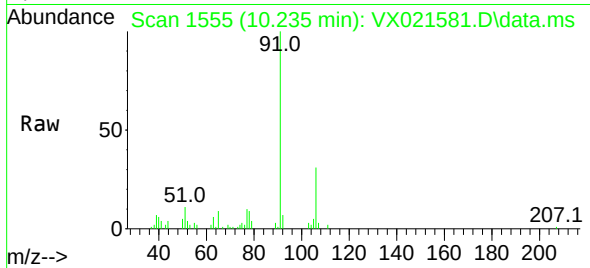




#67
Ethyl Benzene
Concen: 1.81 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

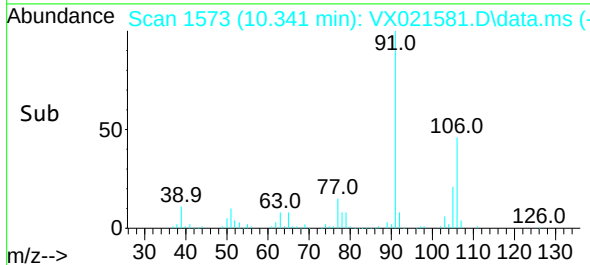
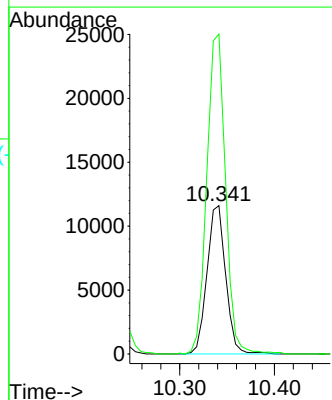
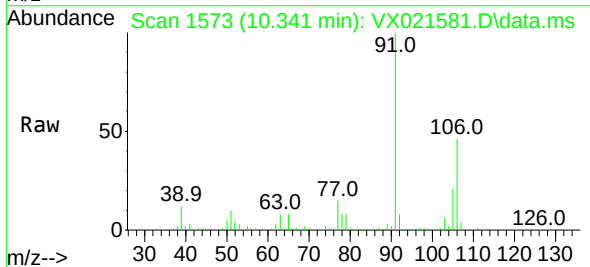
Instrument :
MSVOA_X
ClientSampled :
MW-5R

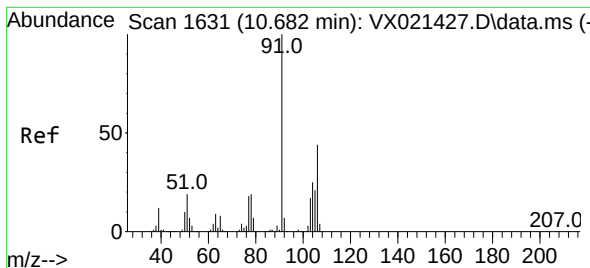
Tgt Ion: 91 Resp: 7541
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0



#68
m/p-Xylenes
Concen: 10.70 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 106 Resp: 15868
Ion Ratio Lower Upper
106 100
91 216.5 162.8 244.2

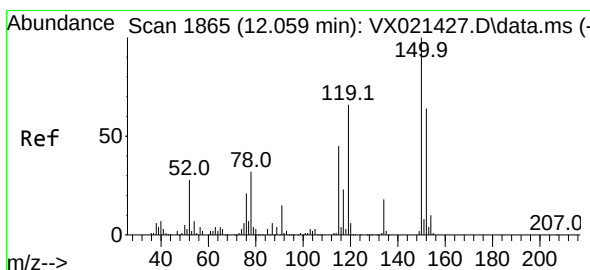
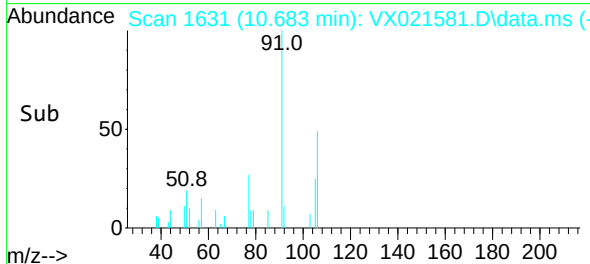
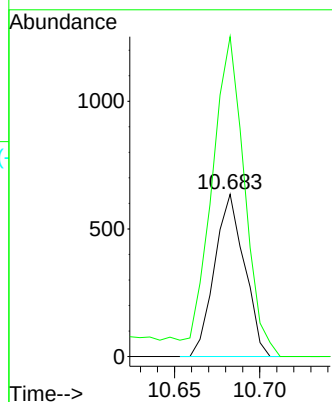
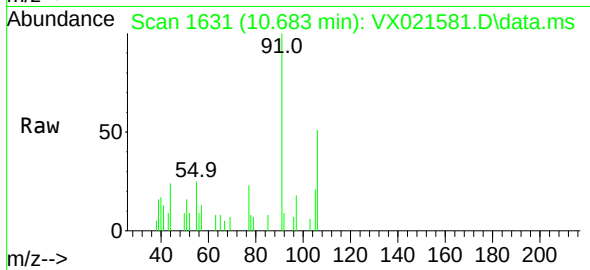




#69
o-Xylene
Concen: 0.54 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. 0.001 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

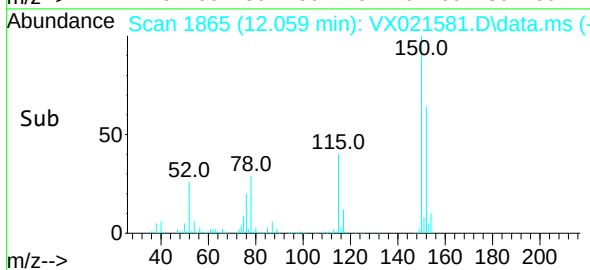
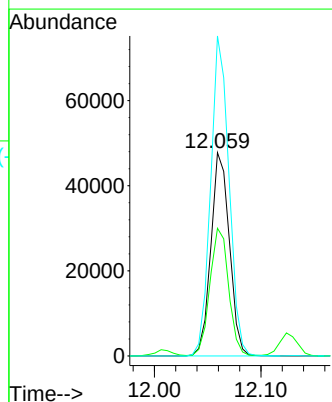
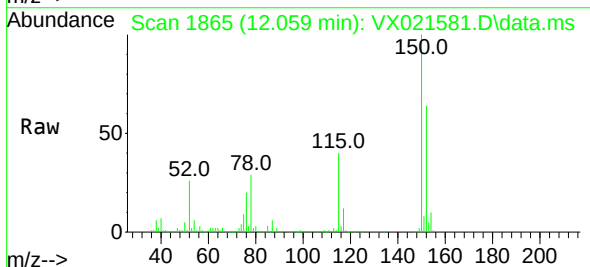
Instrument :
MSVOA_X
ClientSampled :
MW-5R

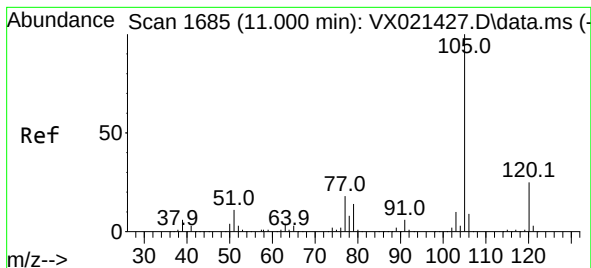
Tgt Ion:106 Resp: 777
Ion Ratio Lower Upper
106 100
91 215.3 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion:152 Resp: 57549
Ion Ratio Lower Upper
152 100
115 63.9 41.1 123.3
150 155.8 0.0 349.0





#73

Isopropylbenzene

Concen: 17.62 ug/l

RT: 11.000 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX021581.D

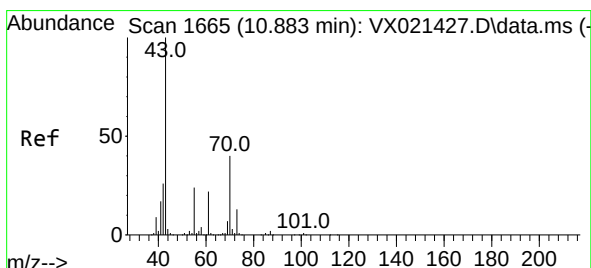
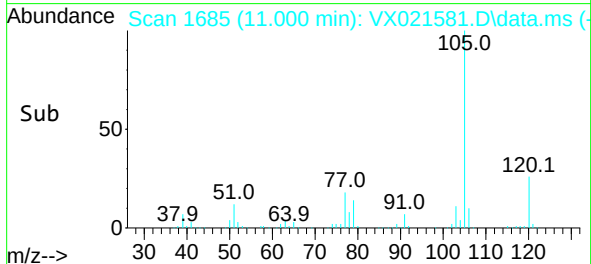
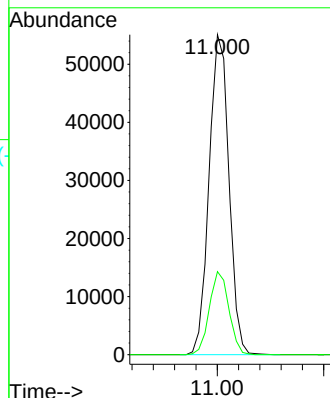
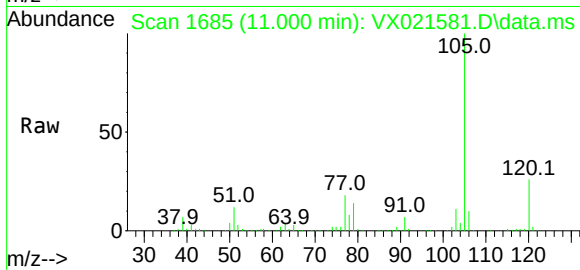
Acq: 29 Mar 2021 16:49

Tgt Ion:105 Resp: 71260

Ion Ratio Lower Upper

105 100

120 25.5 13.2 39.6



#74

N-ethyl acetate

Concen: 0.44 ug/l

RT: 10.888 min Scan# 1666

Delta R.T. 0.005 min

Lab File: VX021581.D

Acq: 29 Mar 2021 16:49

Tgt Ion: 43 Resp: 858

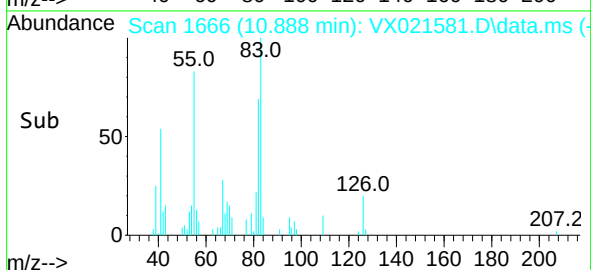
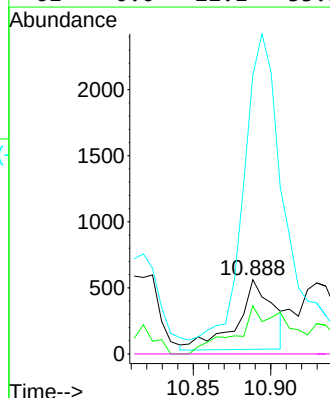
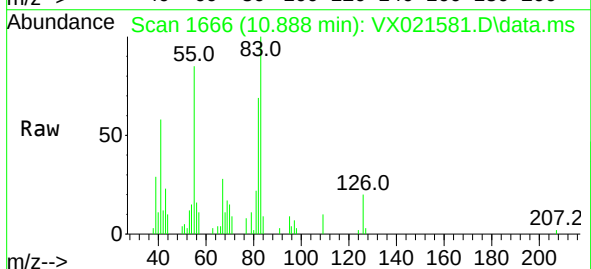
Ion Ratio Lower Upper

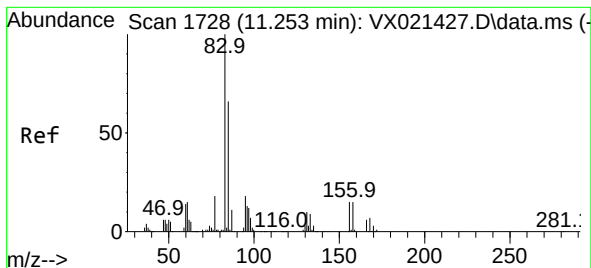
43 100

70 98.3 39.0 58.6#

55 483.6 21.5 32.3#

61 0.0 22.1 33.1#



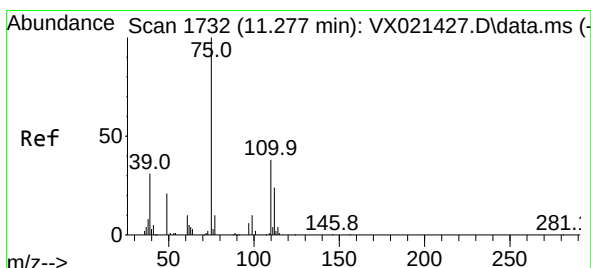
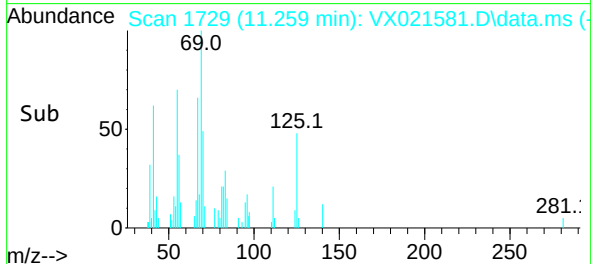
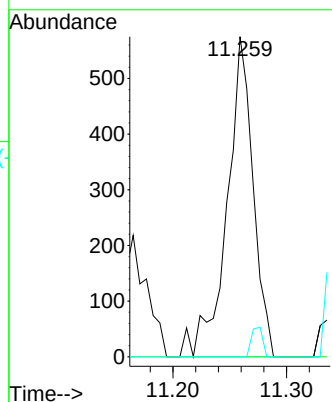
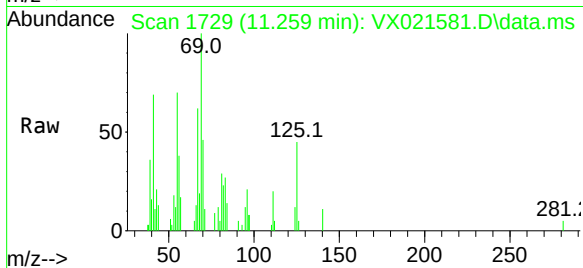


#75

1,1,2,2-Tetrachloroethane
Concen: 0.64 ug/l
RT: 11.259 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Instrument :
MSVOA_X
ClientSampled :
MW-5R

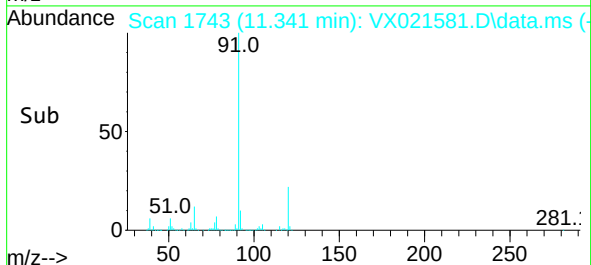
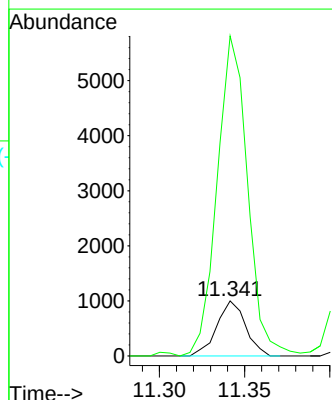
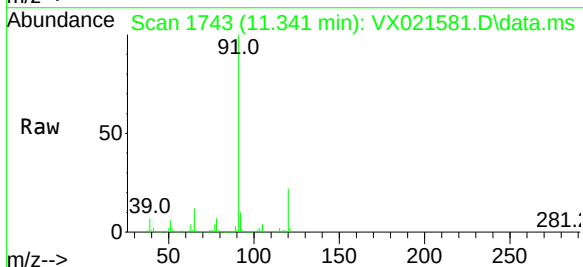
Tgt Ion: 83 Resp: 920
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 3.9 31.8 95.4#

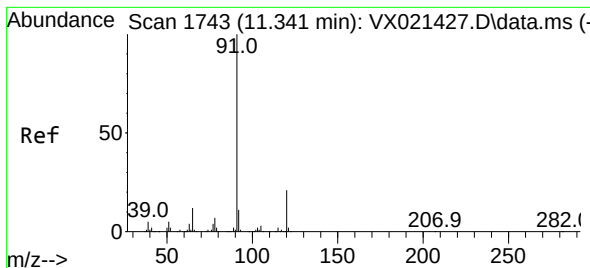


#76

1,2,3-Trichloropropane
Concen: 0.88 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. 0.064 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 75 Resp: 1174
Ion Ratio Lower Upper
75 100
77 617.0 19.1 57.5#

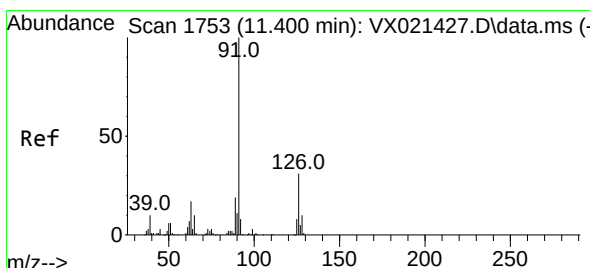
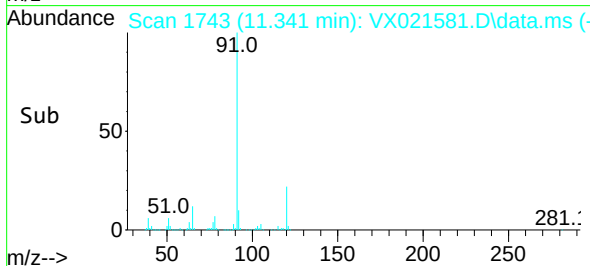
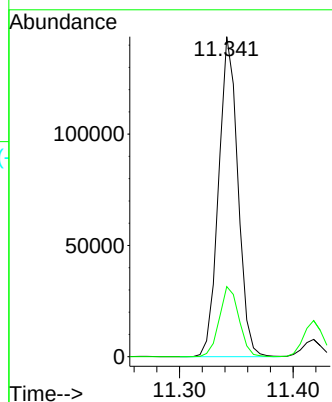
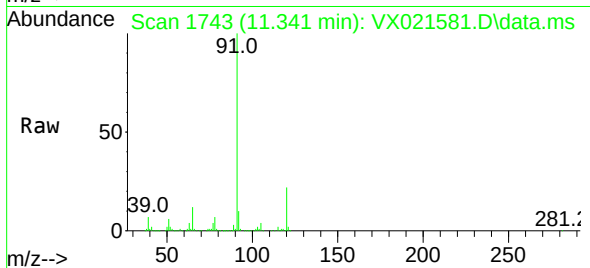




#78
n-propylbenzene
Concen: 35.55 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

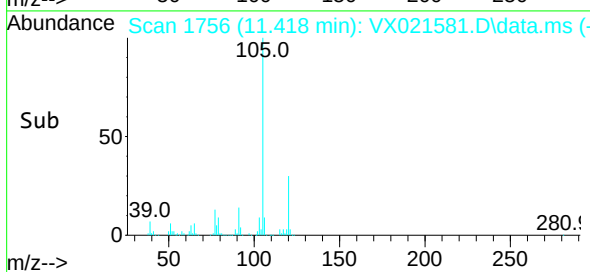
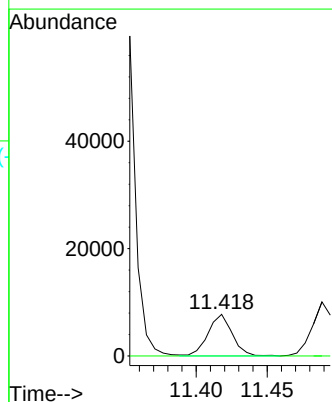
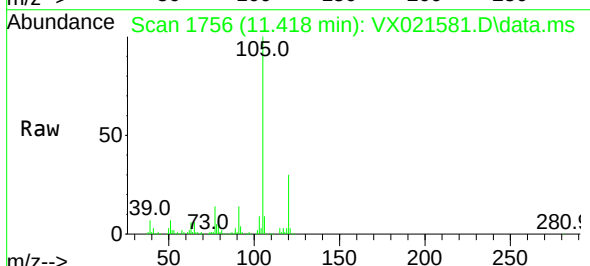
Instrument :
MSVOA_X
ClientSampled :
MW-5R

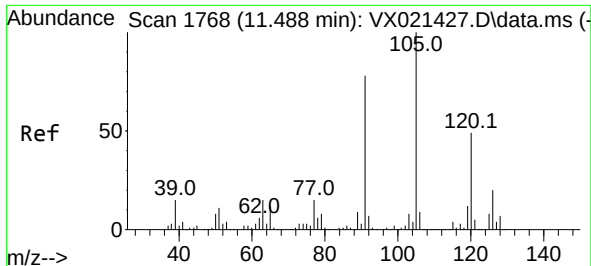
Tgt Ion: 91 Resp: 169749
Ion Ratio Lower Upper
91 100
120 22.3 11.5 34.5



#79
2-Chlorotoluene
Concen: 3.17 ug/l
RT: 11.418 min Scan# 1756
Delta R.T. 0.018 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 91 Resp: 9177
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

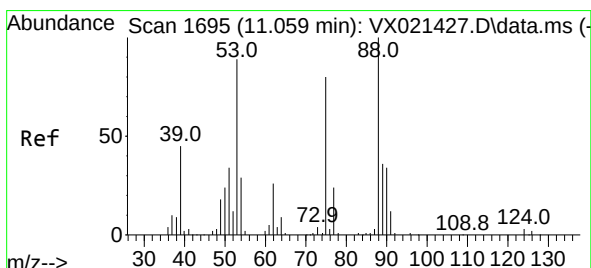
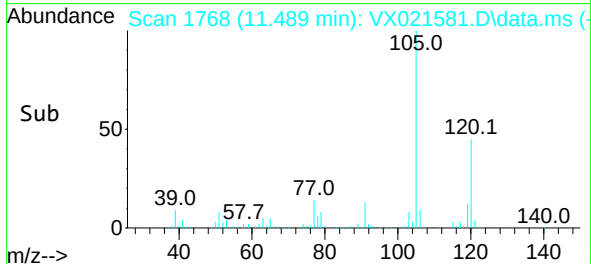
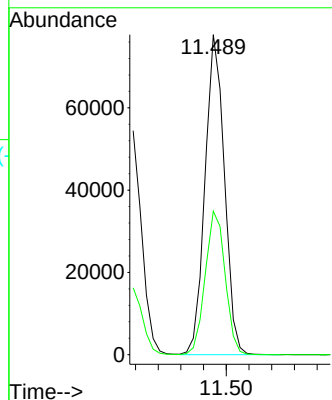
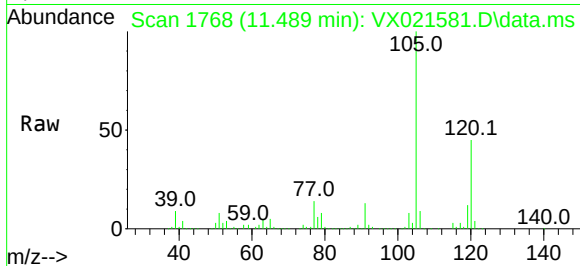




#80
1,3,5-Trimethylbenzene
Concen: 26.63 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. 0.001 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

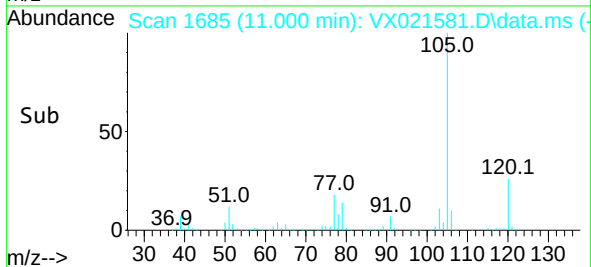
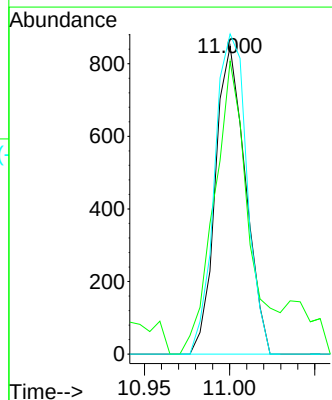
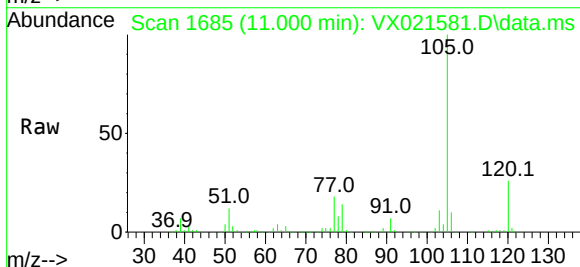
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

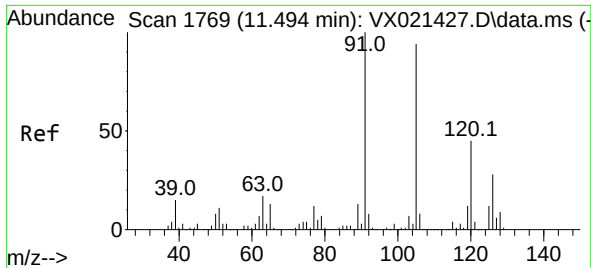
Tgt Ion:105 Resp: 92006
Ion Ratio Lower Upper
105 100
120 46.2 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 2.37 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. -0.059 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 75 Resp: 1042
Ion Ratio Lower Upper
75 100
53 108.8 74.5 111.7
89 111.3 37.9 56.9#

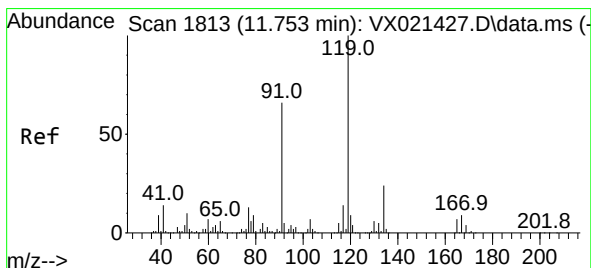
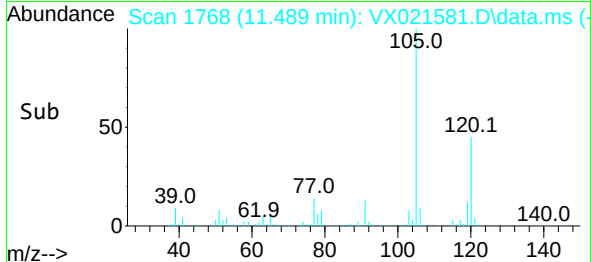
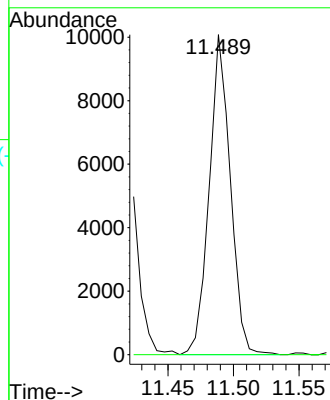
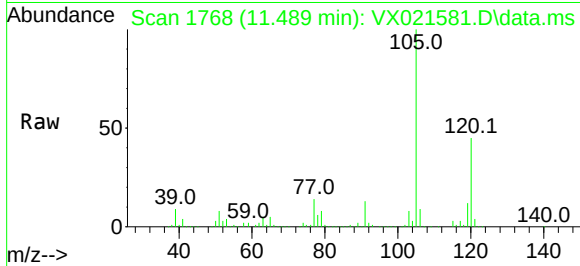




#82
4-Chlorotoluene
Concen: 3.28 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. -0.005 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

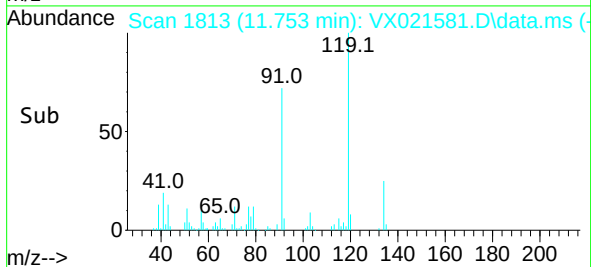
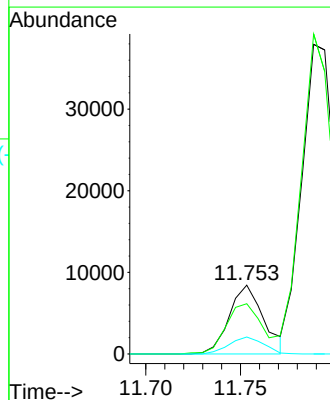
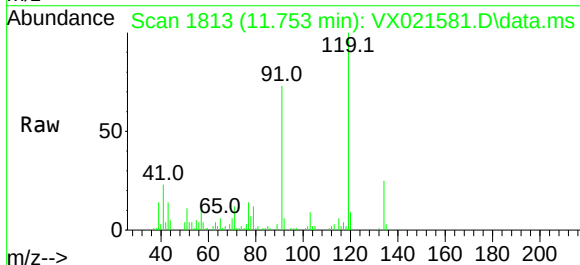
Instrument :
MSVOA_X
ClientSampled :
MW-5R

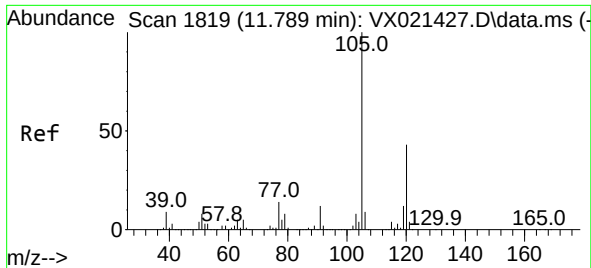
Tgt Ion: 91 Resp: 11288
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.5#



#83
tert-Butylbenzene
Concen: 3.15 ug/l
RT: 11.753 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 119 Resp: 10605
Ion Ratio Lower Upper
119 100
91 74.4 27.9 83.7
134 24.7 11.3 33.9

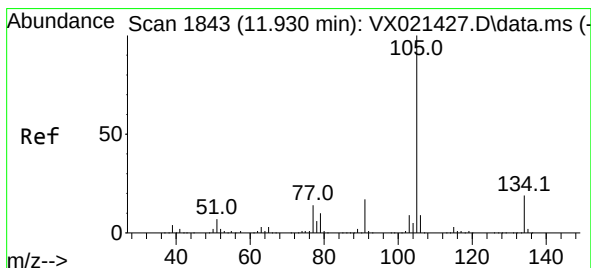
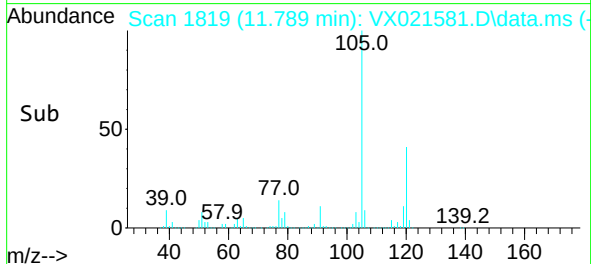
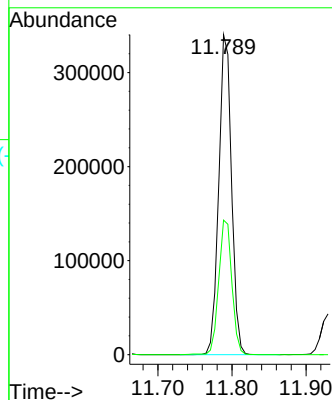
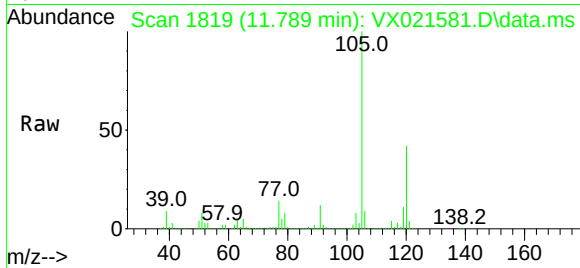




#84
1,2,4-Trimethylbenzene
Concen: 116.52 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

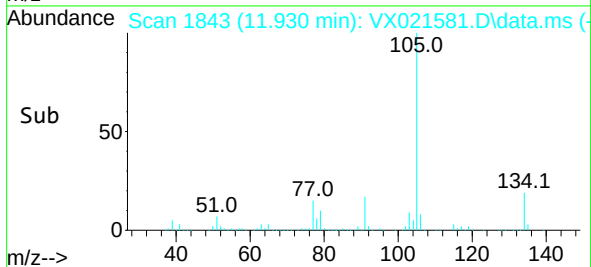
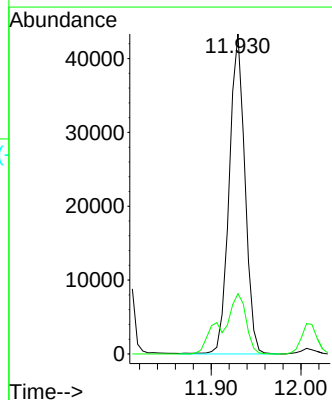
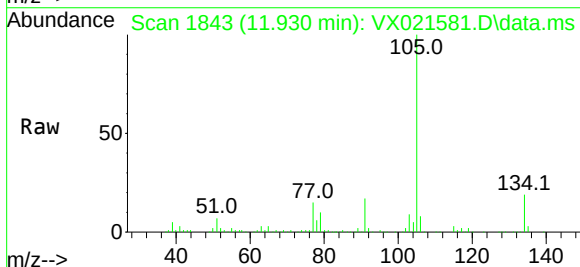
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

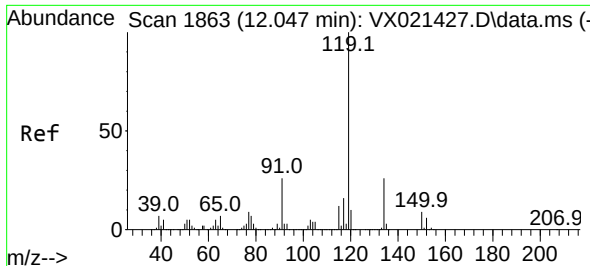
Tgt Ion:105 Resp: 405761
Ion Ratio Lower Upper
105 100
120 43.5 22.4 67.3



#85
sec-Butylbenzene
Concen: 13.57 ug/l
RT: 11.930 min Scan# 1843
Delta R.T. -0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion:105 Resp: 52653
Ion Ratio Lower Upper
105 100
134 29.0 10.0 29.8

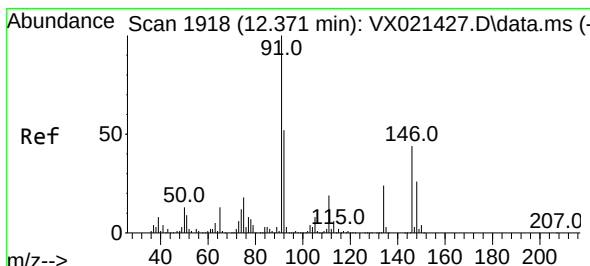
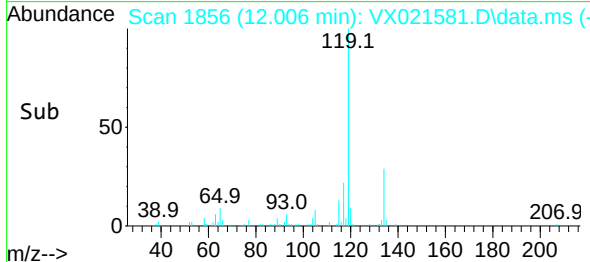
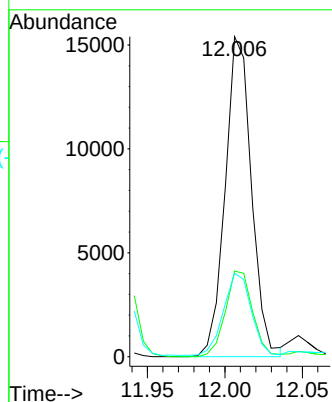
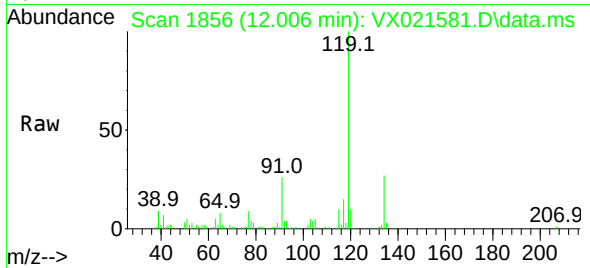




#86
p-Isopropyltoluene
Concen: 5.14 ug/l
RT: 12.006 min Scan# 1856
Delta R.T. -0.041 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

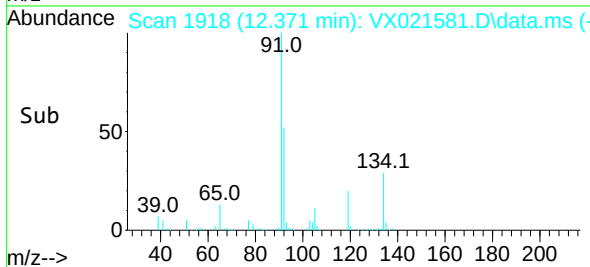
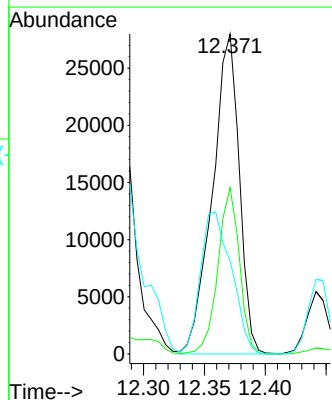
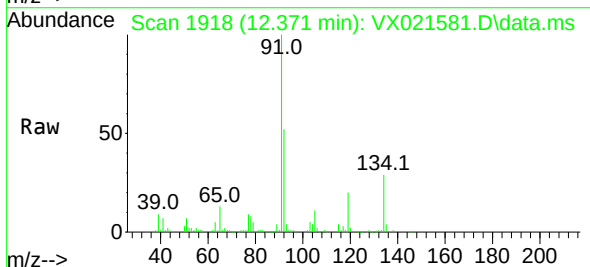
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

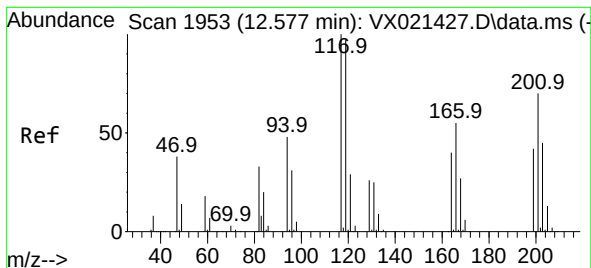
Tgt Ion:119 Resp: 18164
Ion Ratio Lower Upper
119 100
134 27.6 12.9 38.7
91 26.9 11.7 35.0



#89
n-Butylbenzene
Concen: 13.29 ug/l
RT: 12.371 min Scan# 1918
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Tgt Ion: 91 Resp: 43017
Ion Ratio Lower Upper
91 100
92 41.6 27.4 82.0
134 51.2 13.2 39.5#

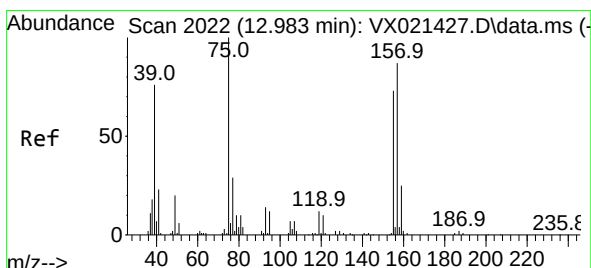
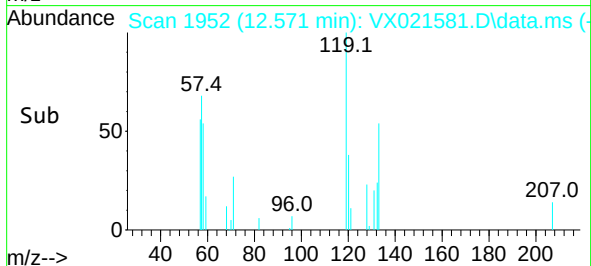
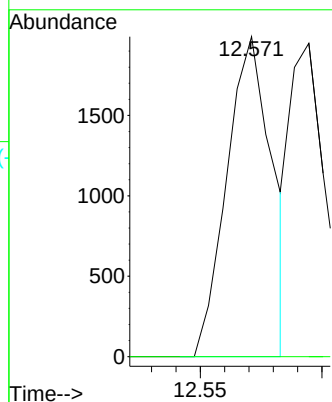
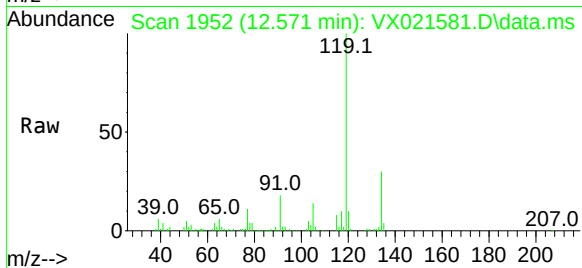




#90
Hexachloroethane
Concen: 4.04 ug/l
RT: 12.571 min Scan# 1952
Delta R.T. -0.006 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

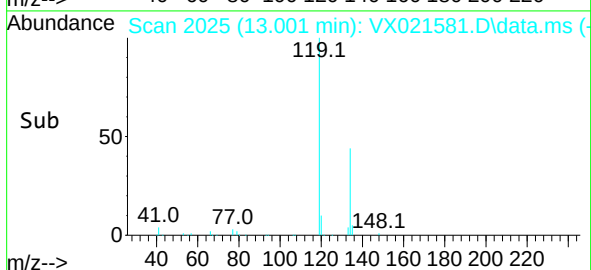
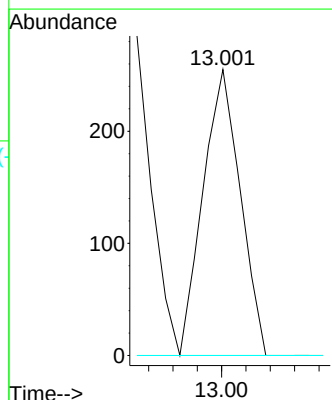
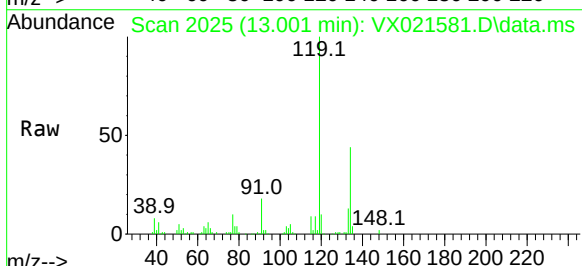
Instrument :
MSVOA_X
ClientSampled :
MW-5R

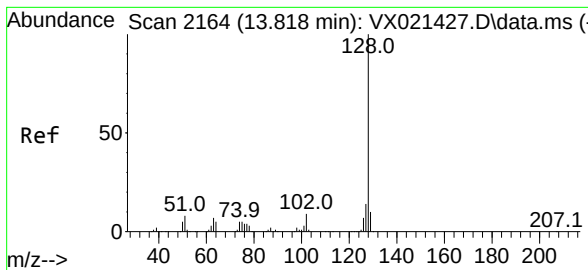
Tgt Ion:117 Resp: 2577
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.69 ug/l
RT: 13.001 min Scan# 2025
Delta R.T. 0.018 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

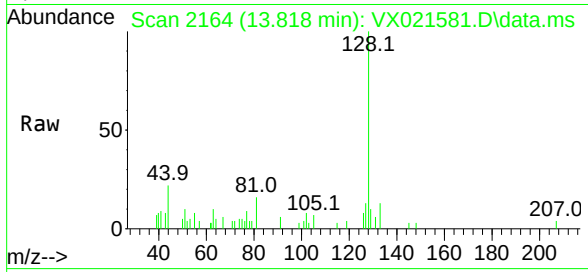
Tgt Ion: 75 Resp: 271
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 0.63 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021581.D
Acq: 29 Mar 2021 16:49

Instrument :
MSVOA_X
ClientSampleId :
MW-5R



Tgt Ion:128 Resp: 2347
Ion Ratio Lower Upper
128 100
127 16.7 10.3 15.5#
129 12.4 8.8 13.2

