

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021600.D
 Acq On : 30 Mar 2021 01:03
 Operator : JC/MD
 Sample : M1843-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20210324

Quant Time: Mar 30 05:22:28 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)

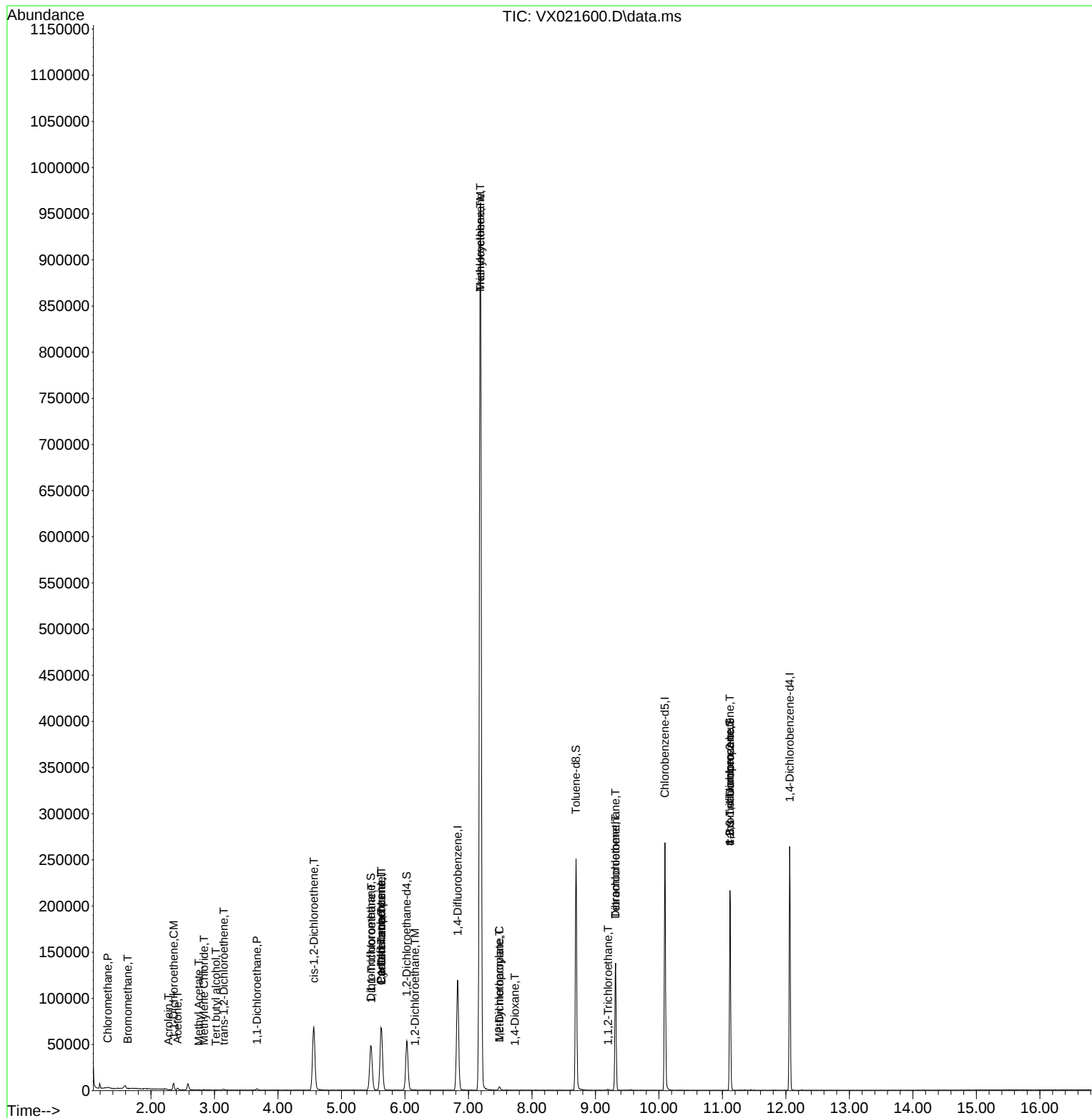
Internal Standards						
1) Pentafluorobenzene	5.623	168	60062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	109758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	109587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47697	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52255	52.29	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.58%			
35) Dibromofluoromethane	5.464	113	39839	51.10	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.20%			
50) Toluene-d8	8.694	98	139396	50.17	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.34%			
62) 4-Bromofluorobenzene	11.118	95	55964	51.81	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.62%			
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1407	1.89	ug/l	95
5) Bromomethane	1.634	94	98	0.36	ug/l	100
11) Tert butyl alcohol	3.023	59	87	0.53	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	2285	3.77	ug/l	95
13) Acrolein	2.276	56	38	4.75	ug/l #	14
16) Acetone	2.417	43	2138	5.66	ug/l #	83
18) Methyl Acetate	2.752	43	259	0.24	ug/l #	61
20) Methylene Chloride	2.835	84	241	0.33	ug/l #	87
21) trans-1,2-Dichloroethene	3.146	96	402	0.60	ug/l	89
24) 1,1-Dichloroethane	3.670	63	1697	1.32	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	40847	52.91	ug/l	98
31) Cyclohexane	5.629	56	1708	1.55	ug/l #	43
32) 1,1,1-Trichloroethane	5.470	97	1124	0.93	ug/l #	39
36) 1,1-Dichloropropene	5.629	75	5303	4.93	ug/l #	50
38) Carbon Tetrachloride	5.629	117	6613	5.72	ug/l #	16
39) Methylcyclohexane	7.188	83	4684	3.93	ug/l #	1
42) 1,2-Dichloroethane	6.159	62	293	0.22	ug/l #	73
44) Trichloroethene	7.188	130	340319	422.29	ug/l	98
45) 1,2-Dichloropropane	7.488	63	1292	1.56	ug/l	90
48) Methyl methacrylate	7.488	41	921	0.86	ug/l #	25
49) 1,4-Dioxane	7.729	88	50	2.59	ug/l #	62
55) 1,1,2-Trichloroethane	9.200	97	287	0.36	ug/l	90
60) Dibromochloromethane	9.318	129	24109	27.04	ug/l #	11
64) Tetrachloroethene	9.318	164	24042	32.75	ug/l	96
76) 1,2,3-Trichloropropane	11.118	75	30783	27.72	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30783	84.44	ug/l #	12

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

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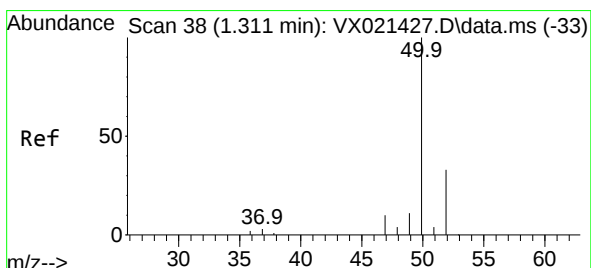
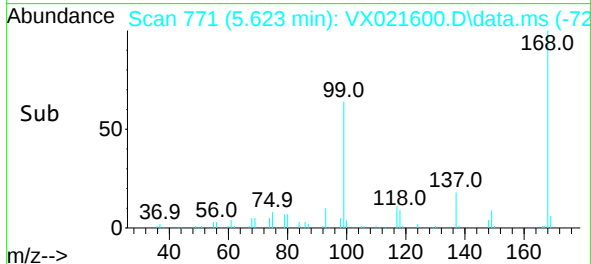
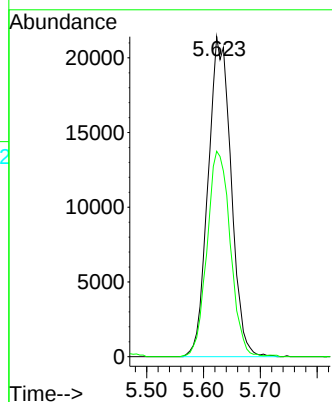
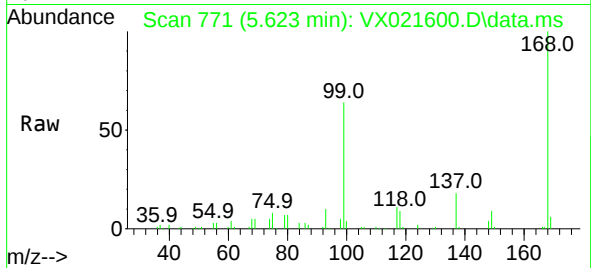




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

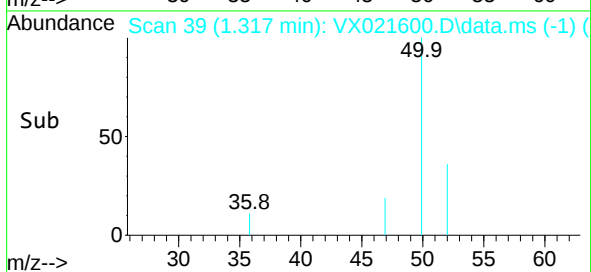
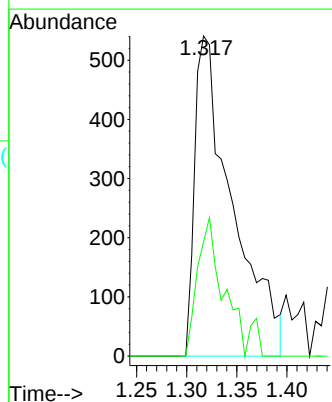
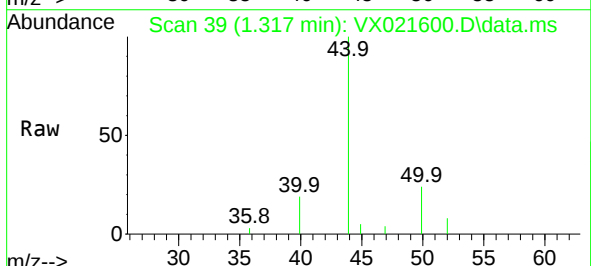
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

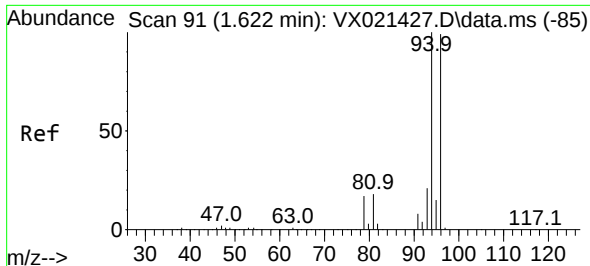
Tgt Ion:168 Resp: 60062
Ion Ratio Lower Upper
168 100
99 64.2 45.8 68.6



#3
Chloromethane
Concen: 1.89 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion: 50 Resp: 1407
Ion Ratio Lower Upper
50 100
52 35.7 26.4 39.6

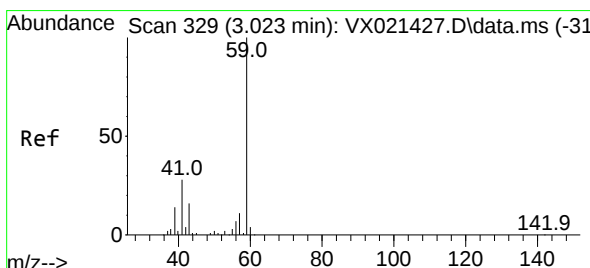
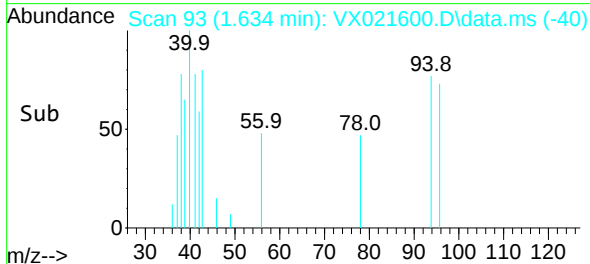
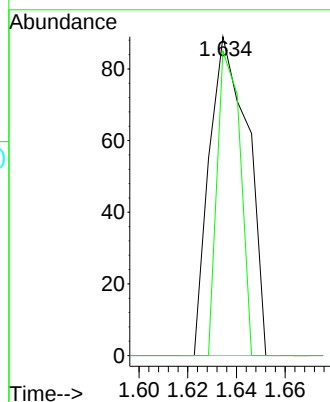
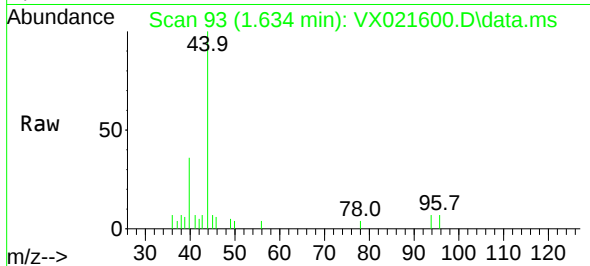




#5
Bromomethane
Concen: 0.36 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

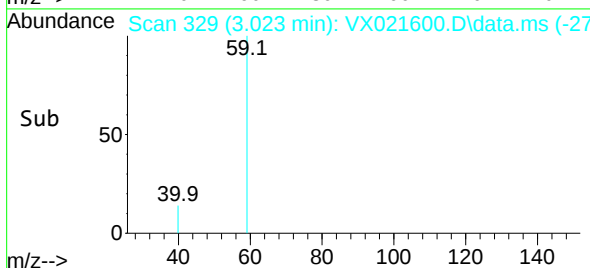
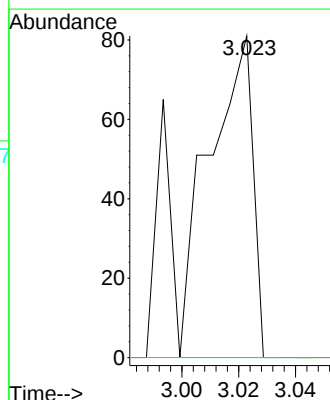
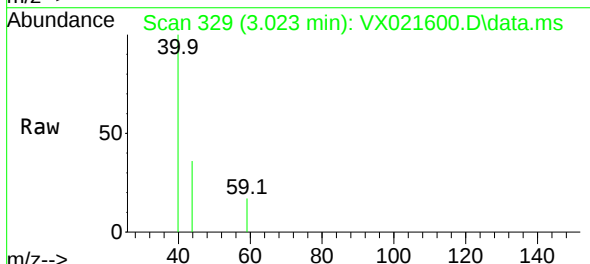
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

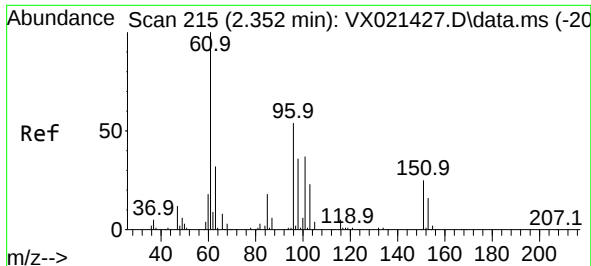
Tgt Ion: 94 Resp: 98
Ion Ratio Lower Upper
94 100
96 95.5 76.4 114.6



#11
Tert butyl alcohol
Concen: 0.53 ug/l
RT: 3.023 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 3.77 ug/l

RT: 2.358 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX021600.D

Acq: 30 Mar 2021 01:03

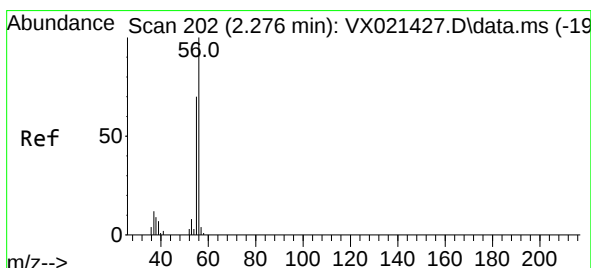
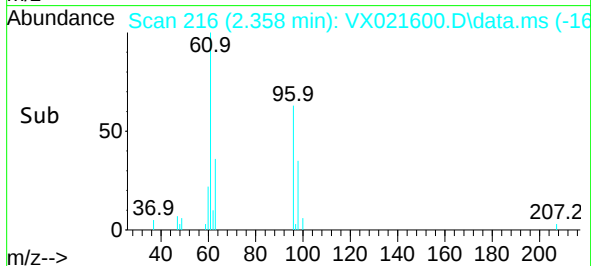
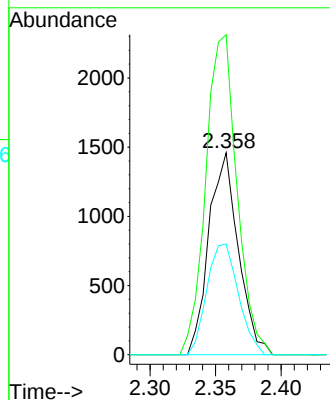
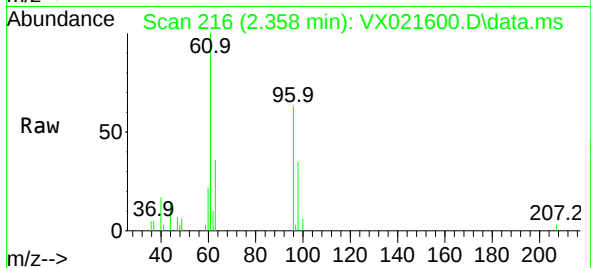
Tgt Ion: 96 Resp: 2285

Ion Ratio Lower Upper

96 100

61 158.4 124.6 187.0

98 54.8 50.6 76.0



#13

Acrolein

Concen: 4.75 ug/l

RT: 2.276 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX021600.D

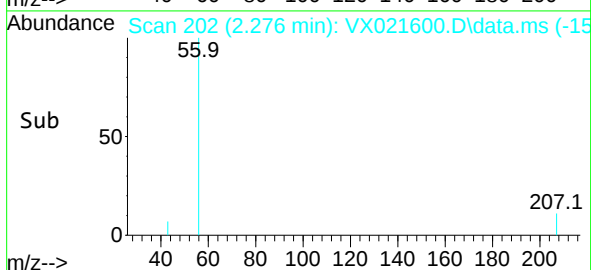
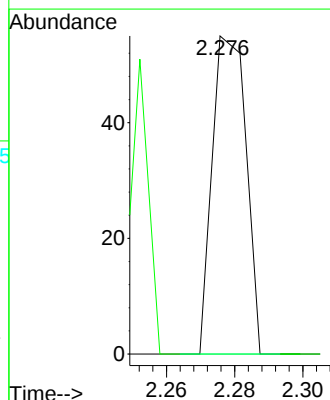
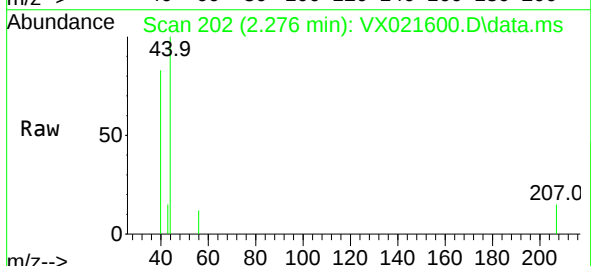
Acq: 30 Mar 2021 01:03

Tgt Ion: 56 Resp: 38

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

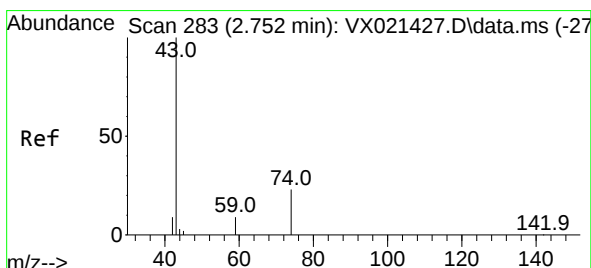
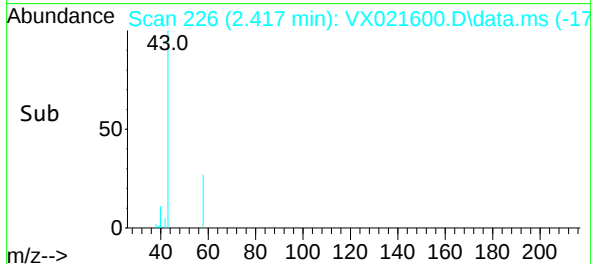
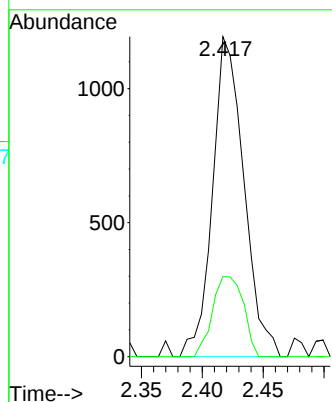
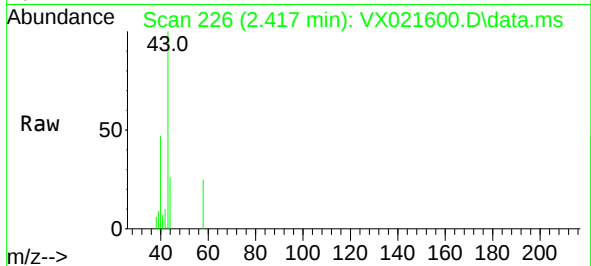




#16
Acetone
Concen: 5.66 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

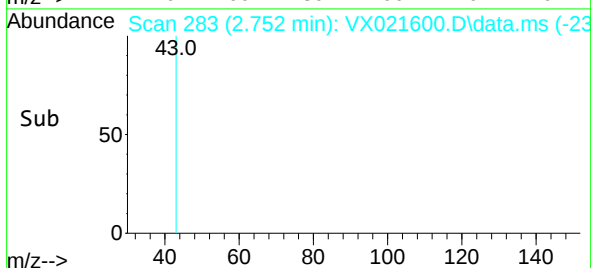
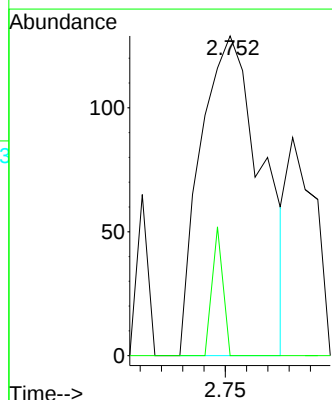
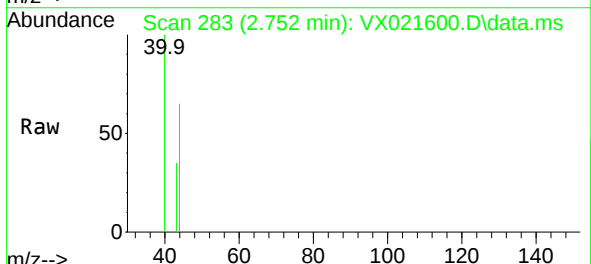
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
58 25.0 27.8 41.8#



#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
74 6.9 21.9 32.9#



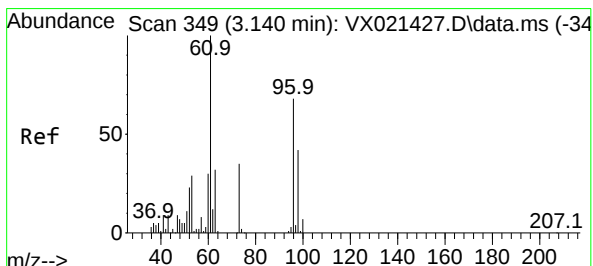
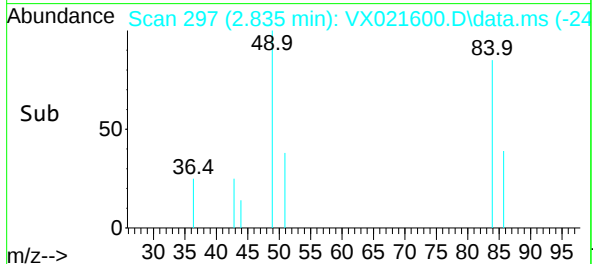
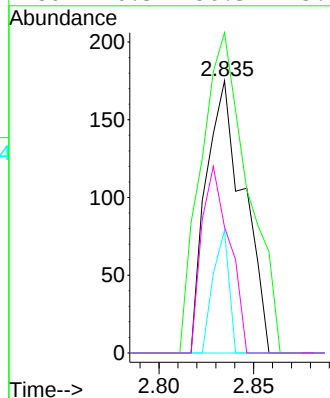
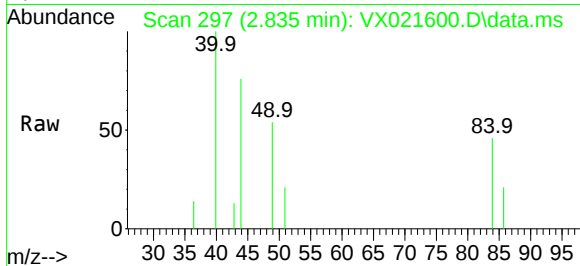


#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.835 min Scan# 297
Delta R.T. 0.001 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

Tgt Ion: 84 Resp: 241

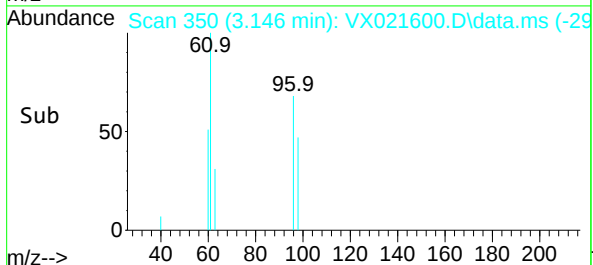
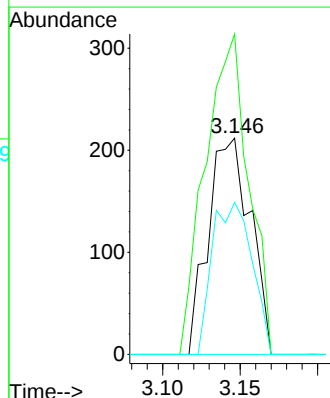
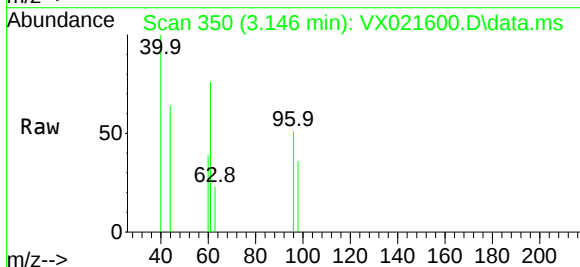
Ion	Ratio	Lower	Upper
84	100		
49	117.7	88.6	132.8
51	45.1	27.0	40.6#
86	46.3	50.3	75.5#

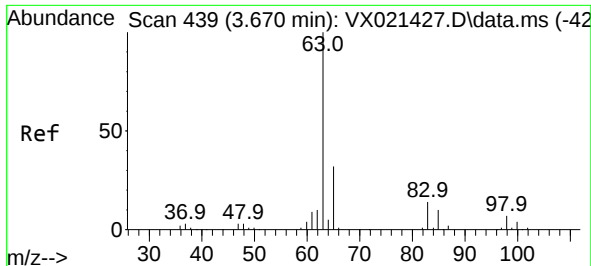


#21
trans-1,2-Dichloroethene
Concen: 0.60 ug/l
RT: 3.146 min Scan# 350
Delta R.T. 0.006 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion: 96 Resp: 402

Ion	Ratio	Lower	Upper
96	100		
61	148.1	107.7	161.5
98	70.3	50.4	75.6

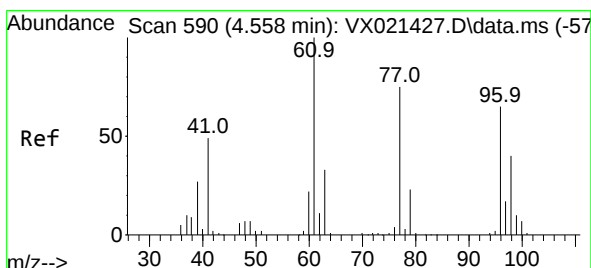
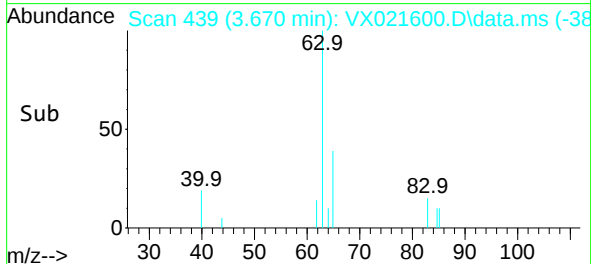
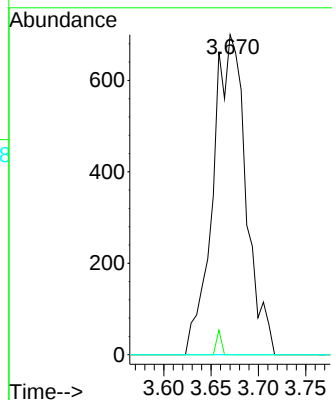
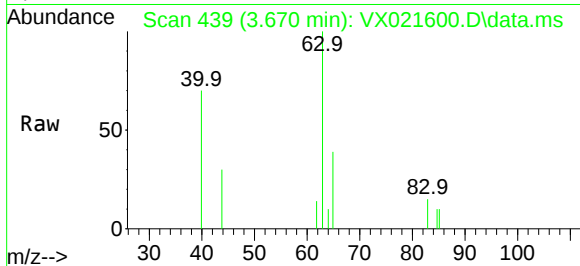




#24
1,1-Dichloroethane
Concen: 1.32 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

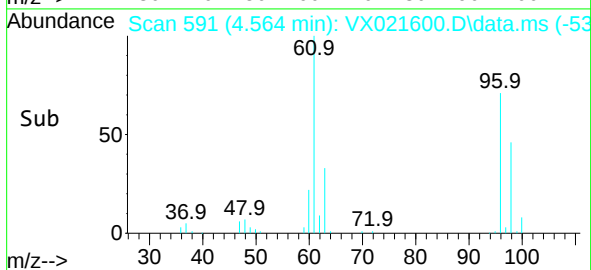
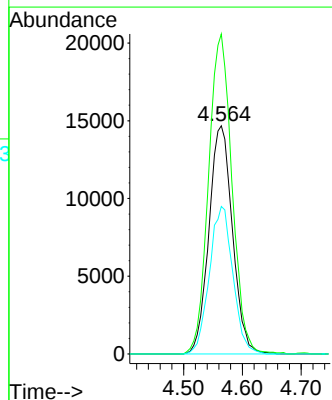
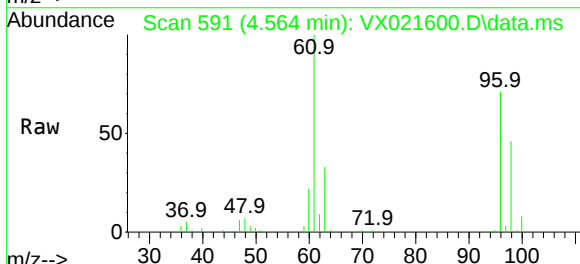
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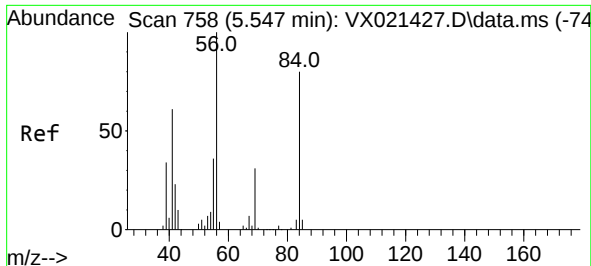
Tgt Ion: 63 Resp: 1697
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 52.91 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

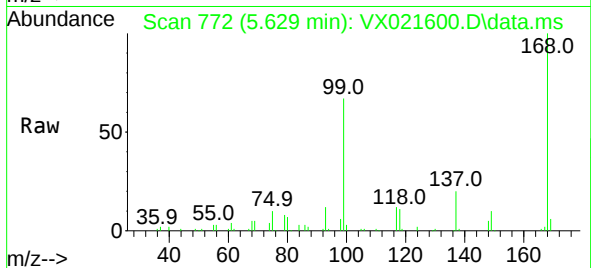
Tgt Ion: 96 Resp: 40847
Ion Ratio Lower Upper
96 100
61 139.4 0.0 285.6
98 64.3 0.0 129.6



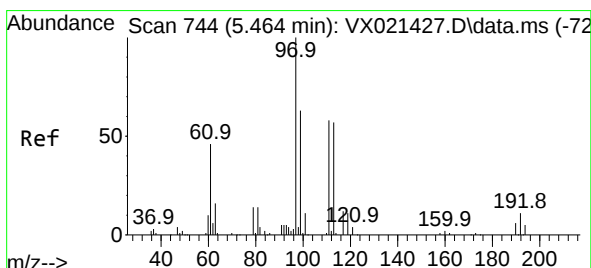
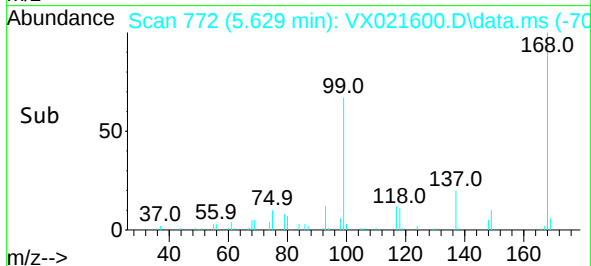
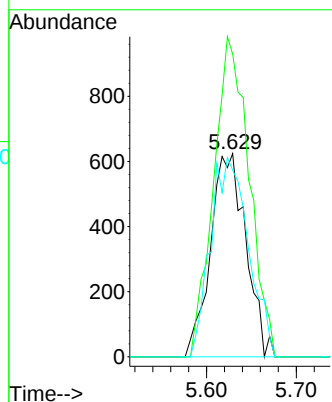


#31
Cyclohexane
Concen: 1.55 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

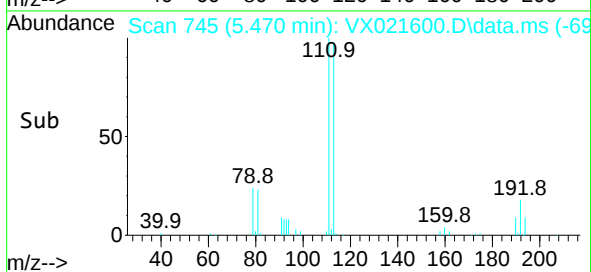
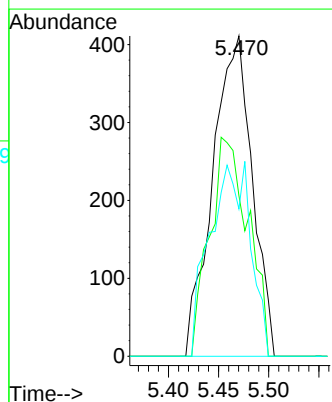
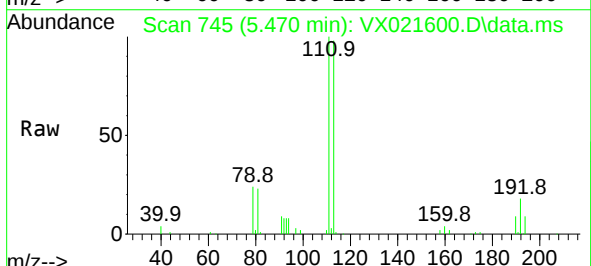


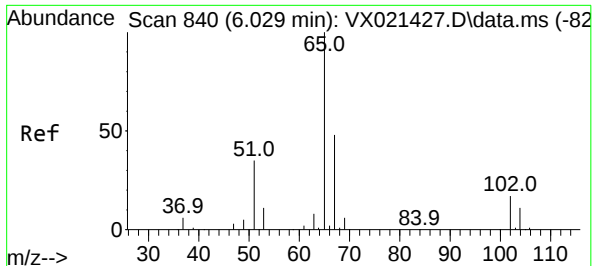
Tgt Ion: 56 Resp: 1708
Ion Ratio Lower Upper
56 100
69 149.0 25.3 37.9#
84 91.8 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.93 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion: 97 Resp: 1124
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 62.2 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 52.29 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021600.D

Acq: 30 Mar 2021 01:03

Tgt Ion: 65 Resp: 52255

Ion Ratio Lower Upper

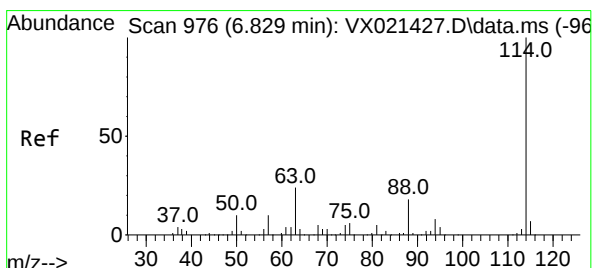
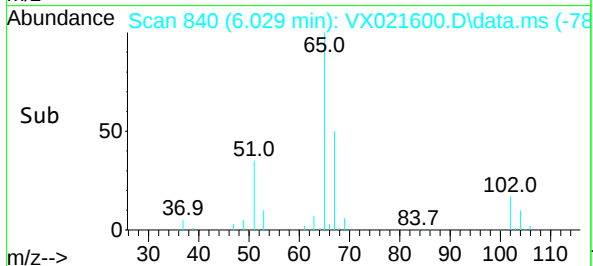
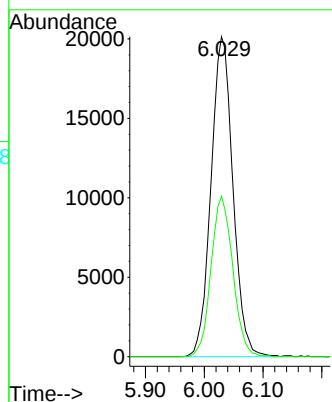
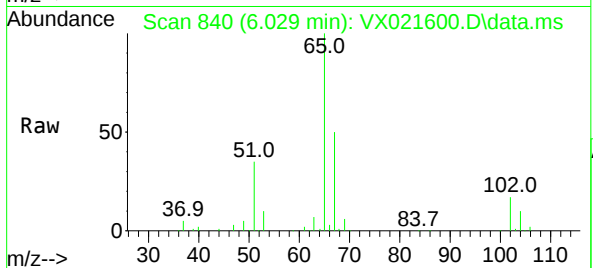
65	100		
67	49.7	0.0	105.4

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20210324



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

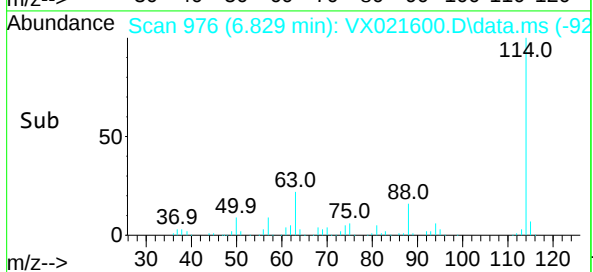
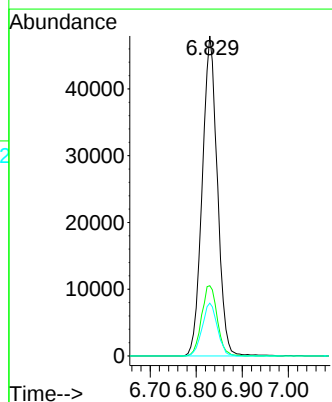
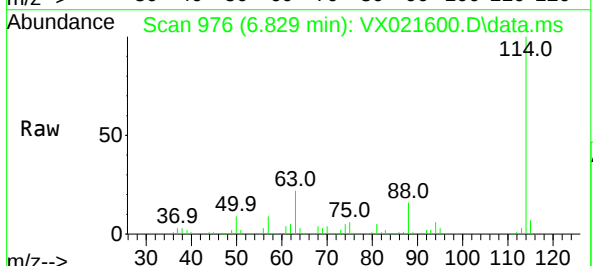
Lab File: VX021600.D

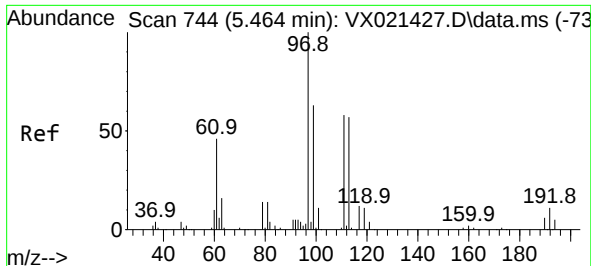
Acq: 30 Mar 2021 01:03

Tgt Ion: 114 Resp: 109758

Ion Ratio Lower Upper

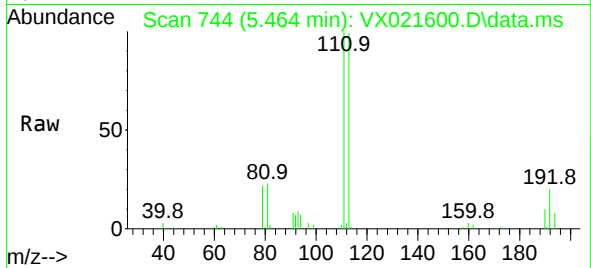
114	100		
63	22.0	0.0	40.8
88	16.5	0.0	32.8



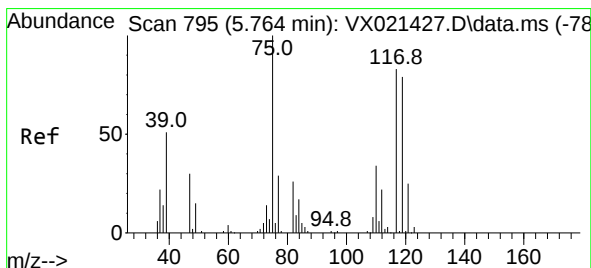
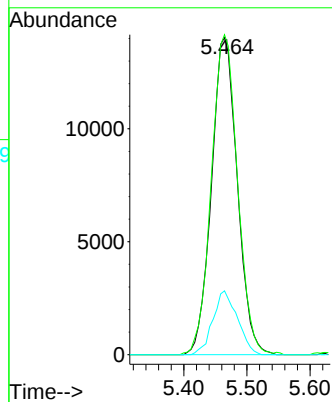
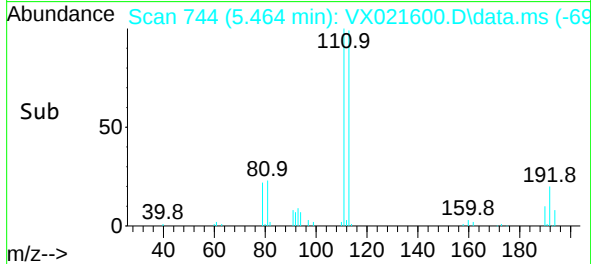


#35
Dibromofluoromethane
Concen: 51.10 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

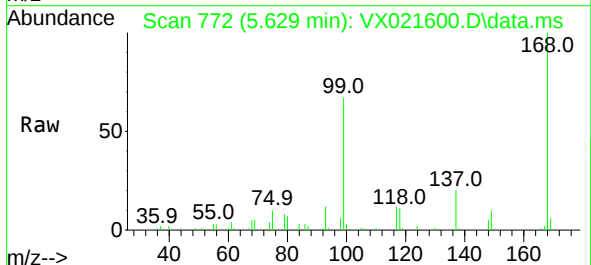
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324



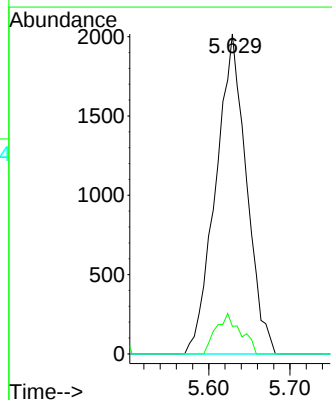
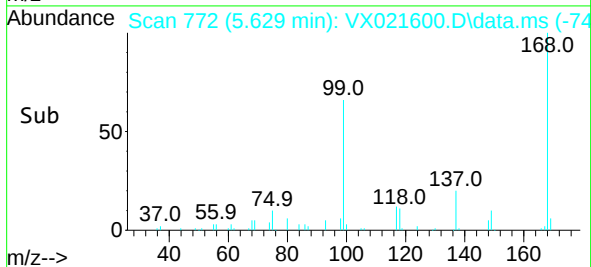
Tgt Ion:113 Resp: 39839
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 19.1 16.7 25.1

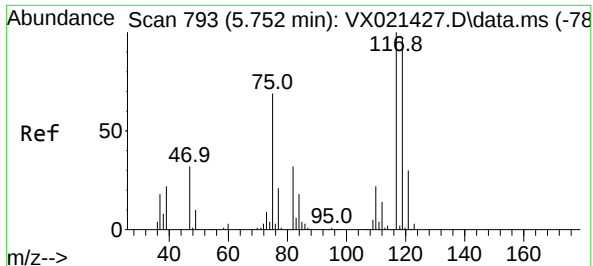


#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03



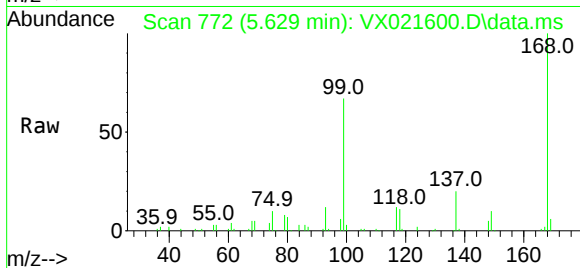
Tgt Ion: 75 Resp: 5303
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



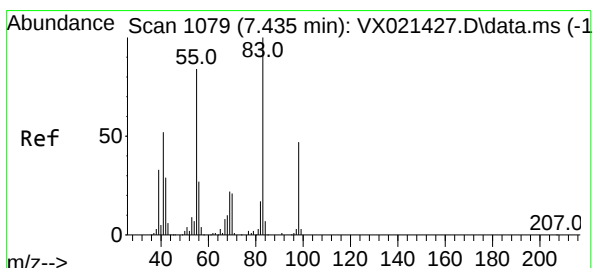
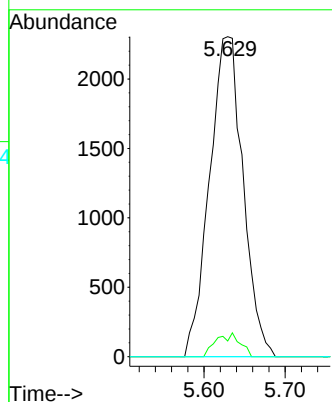
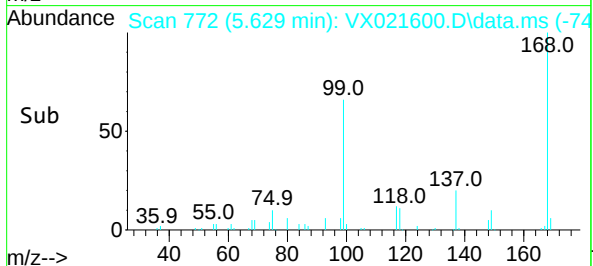


#38
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

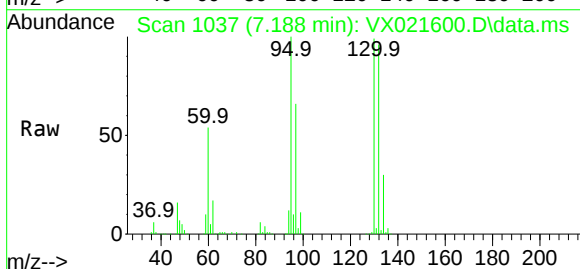
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324



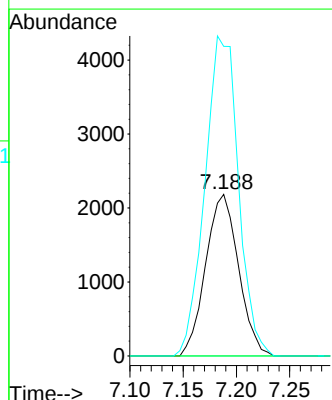
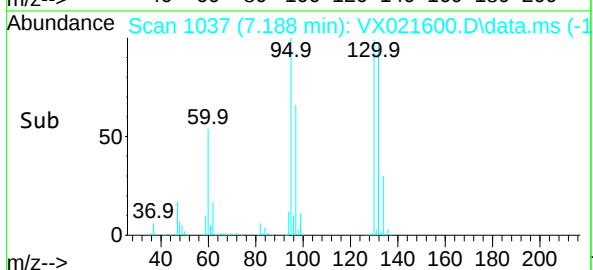
Tgt Ion:117 Resp: 6613
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#

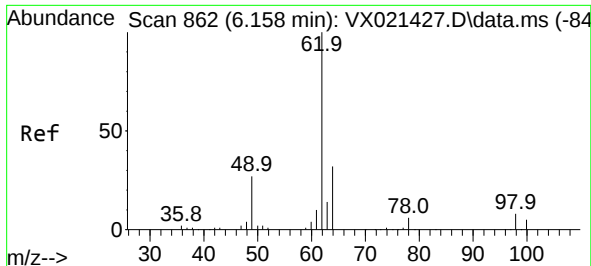


#39
Methylcyclohexane
Concen: 3.93 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03



Tgt Ion: 83 Resp: 4684
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 191.6 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.22 ug/l

RT: 6.159 min Scan# 862

Delta R.T. 0.001 min

Lab File: VX021600.D

Acq: 30 Mar 2021 01:03

Tgt Ion: 62 Resp: 293

Ion Ratio Lower Upper

62 100

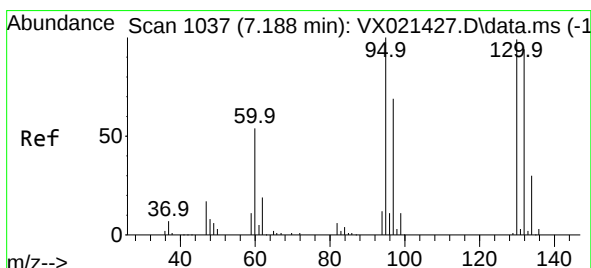
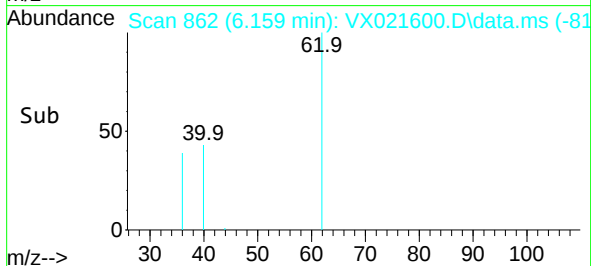
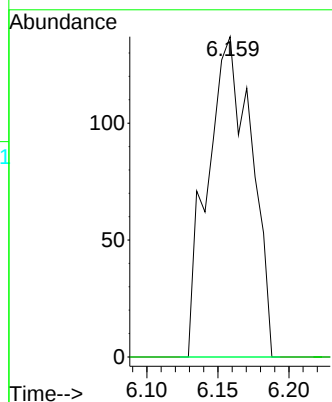
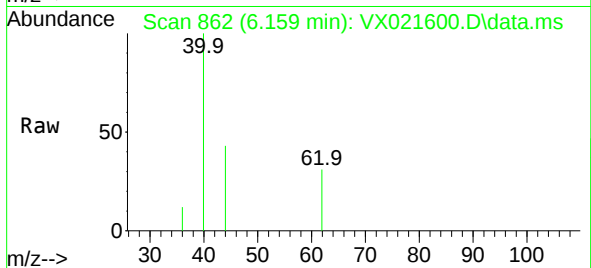
98 0.0 0.0 20.2

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20210324



#44

Trichloroethene

Concen: 422.29 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021600.D

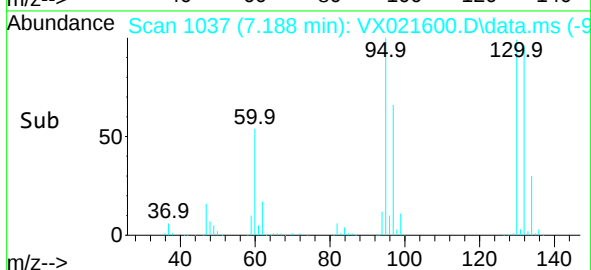
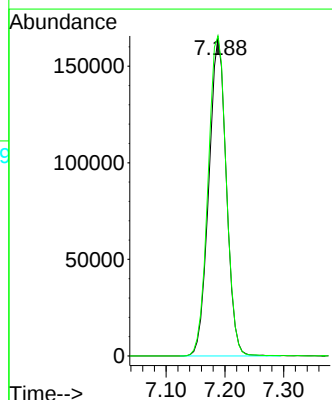
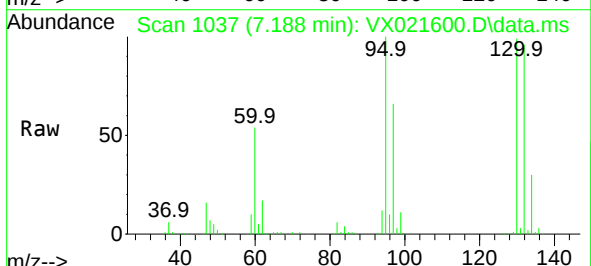
Acq: 30 Mar 2021 01:03

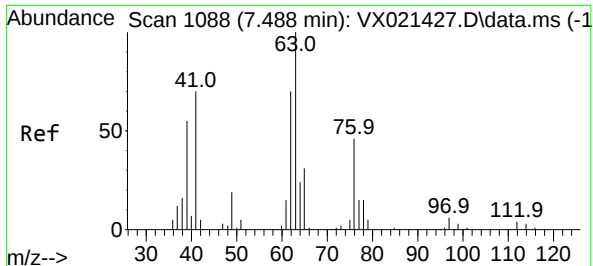
Tgt Ion:130 Resp: 340319

Ion Ratio Lower Upper

130 100

95 100.7 0.0 198.0





#45

1,2-Dichloropropane

Concen: 1.56 ug/l

RT: 7.488 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VX021600.D

Acq: 30 Mar 2021 01:03

Tgt Ion: 63 Resp: 1292

Ion Ratio Lower Upper

63 100

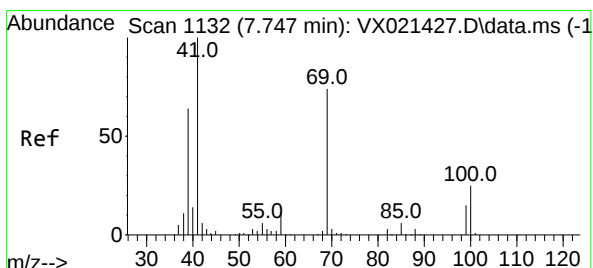
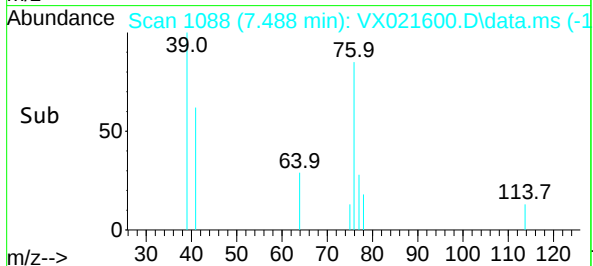
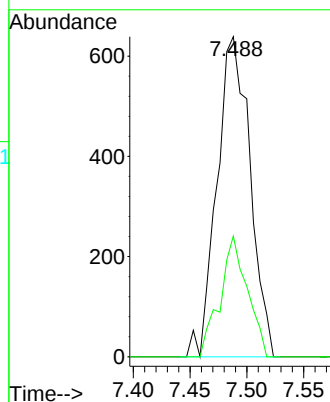
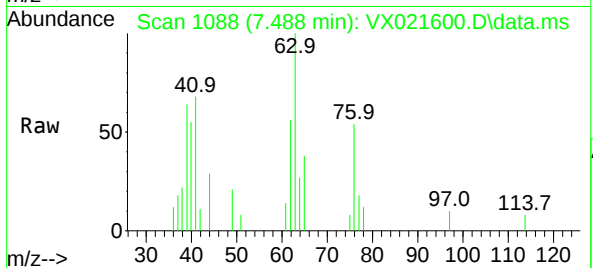
65 37.7 25.7 38.5

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20210324



#48

Methyl methacrylate

Concen: 0.86 ug/l

RT: 7.488 min Scan# 1088

Delta R.T. -0.259 min

Lab File: VX021600.D

Acq: 30 Mar 2021 01:03

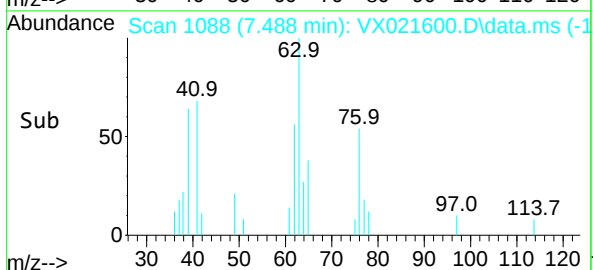
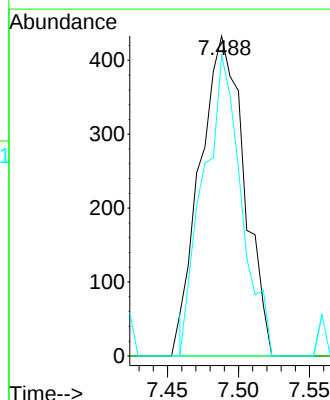
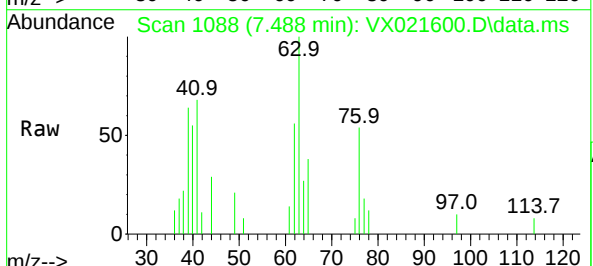
Tgt Ion: 41 Resp: 921

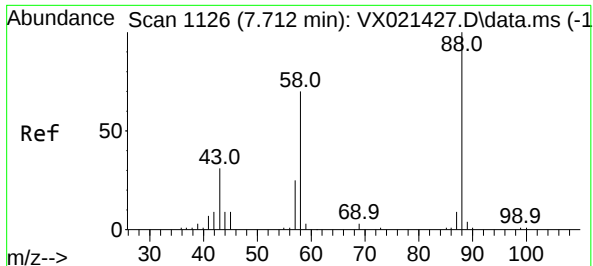
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

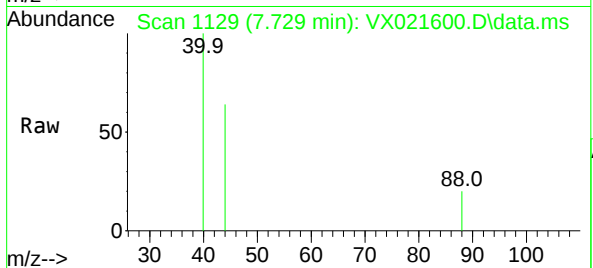
39 82.3 44.6 67.0#



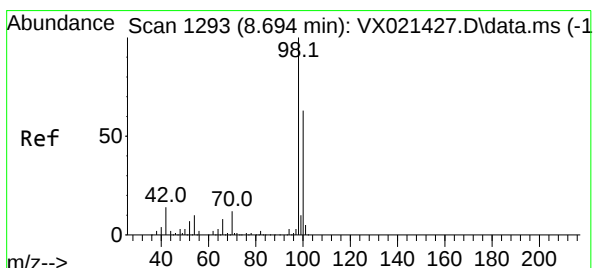
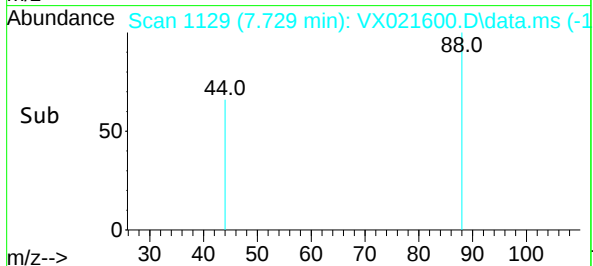
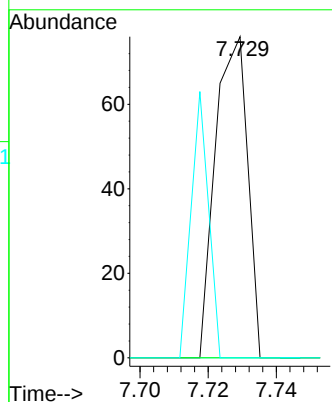


#49
1,4-Dioxane
Concen: 2.59 ug/l
RT: 7.729 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

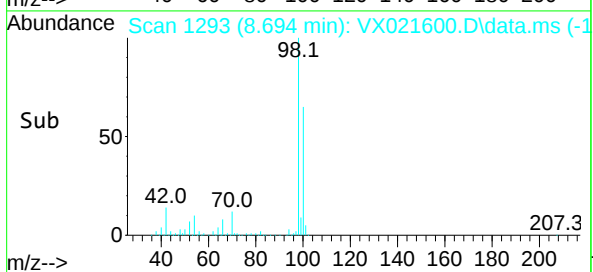
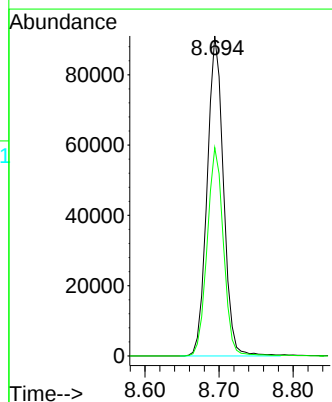
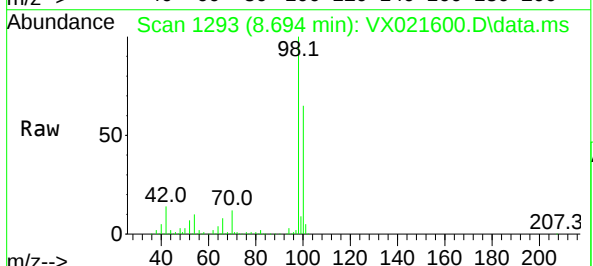


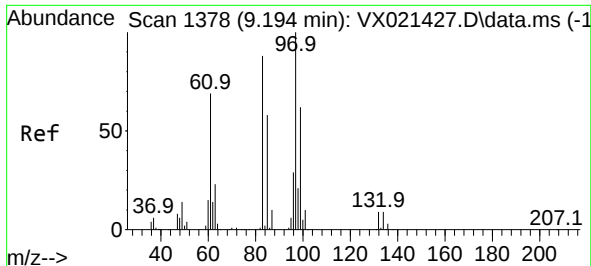
Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 44.0 55.0 82.4#



#50
Toluene-d8
Concen: 50.17 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion: 98 Resp: 139396
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

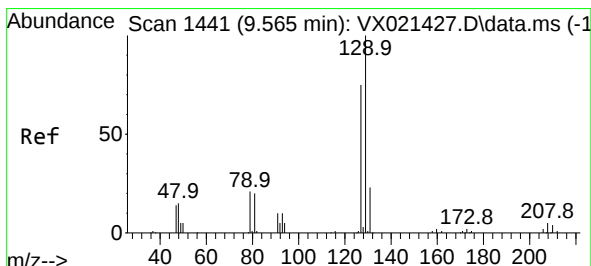
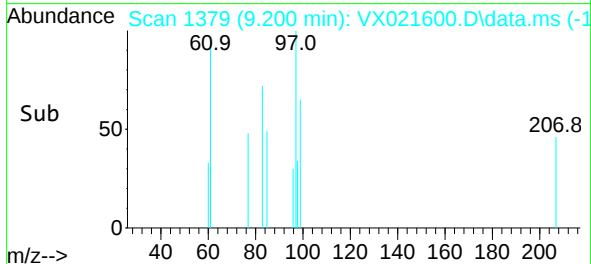
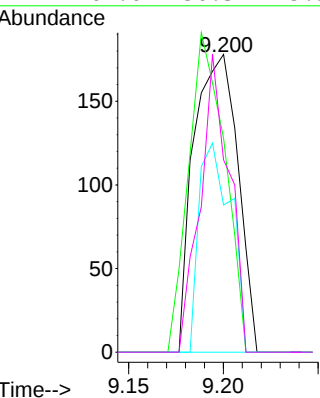
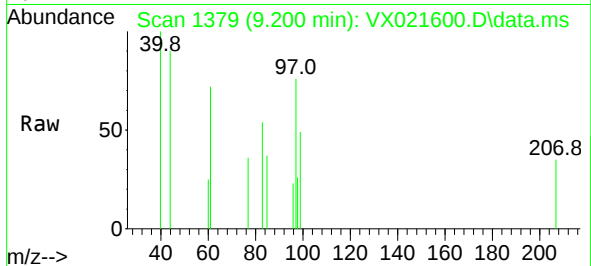




#55
1,1,2-Trichloroethane
Concen: 0.36 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

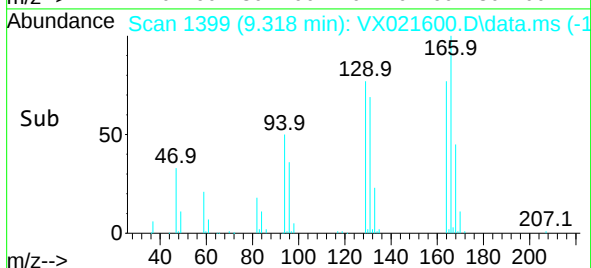
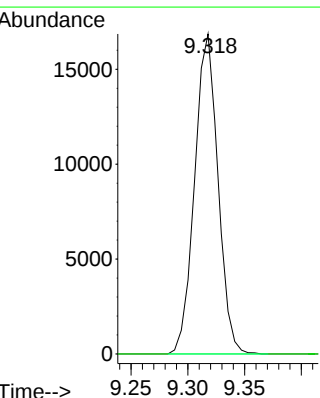
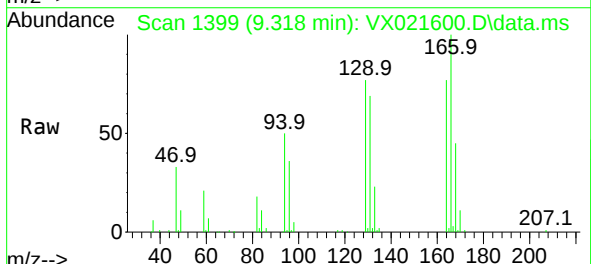
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

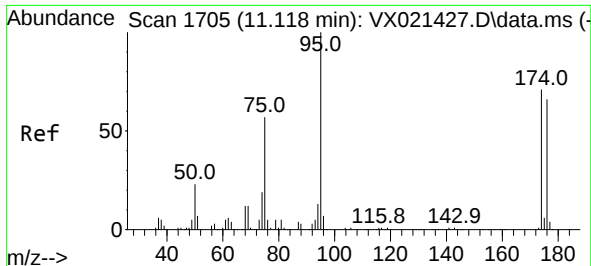
Tgt Ion:	97	Resp:	287
Ion	Ratio	Lower	Upper
97	100		
83	71.9	69.3	103.9
85	49.4	44.3	66.5
99	64.6	50.3	75.5



#60
Dibromochloromethane
Concen: 27.04 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion:	129	Resp:	24109
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

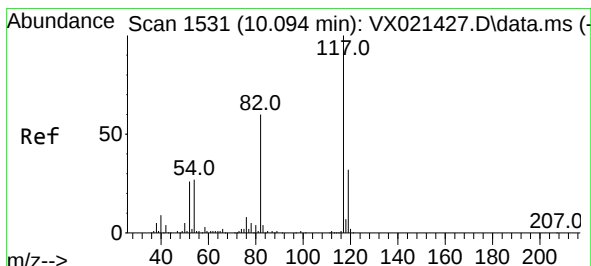
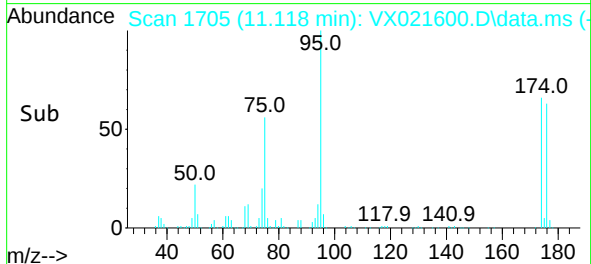
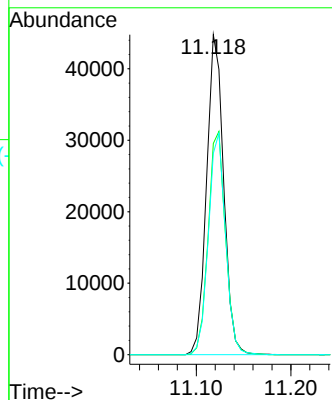
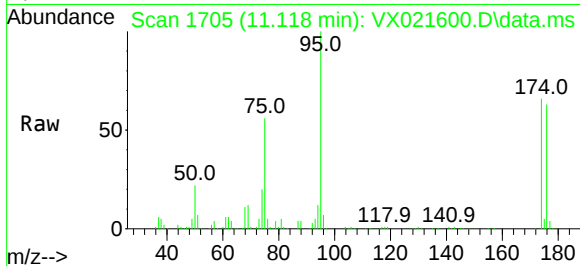




#62
4-Bromofluorobenzene
Concen: 51.81 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

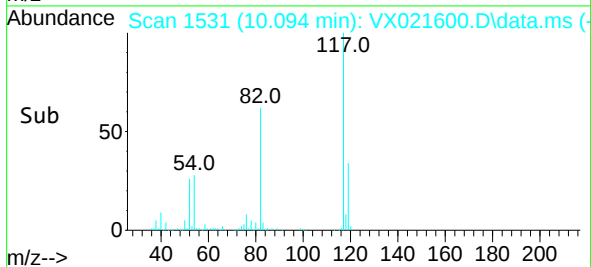
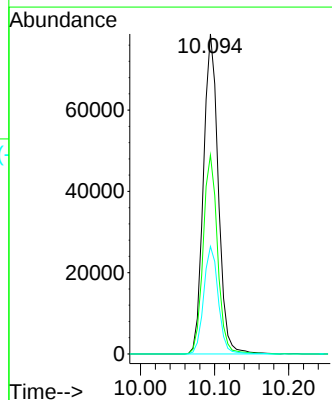
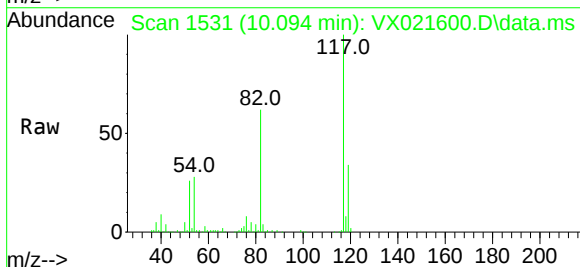
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

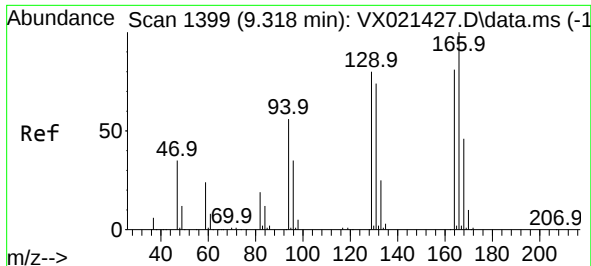
Tgt Ion:	95	Resp:	55964
Ion Ratio	Lower	Upper	
95	100		
174	70.7	0.0	154.6
176	69.2	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

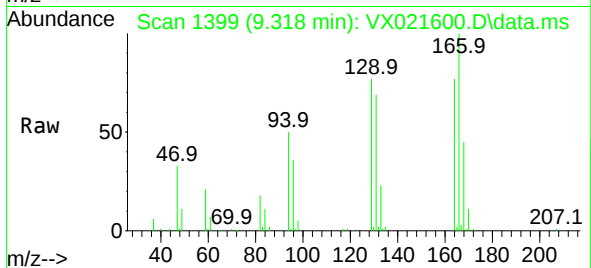
Tgt Ion:	117	Resp:	109587
Ion Ratio	Lower	Upper	
117	100		
82	62.2	47.4	71.2
119	33.6	26.6	39.8



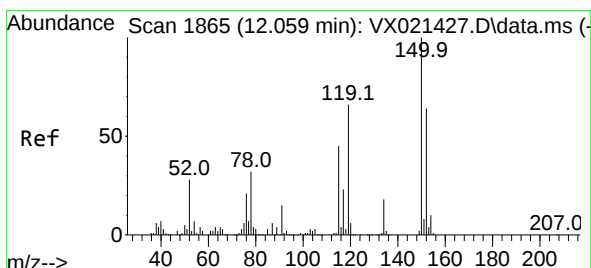
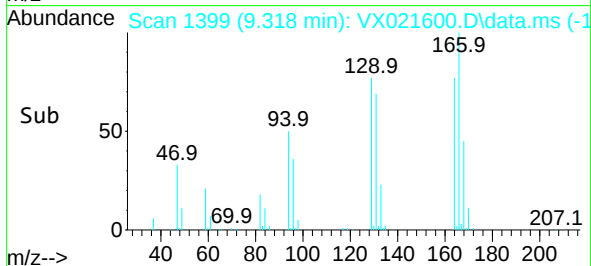
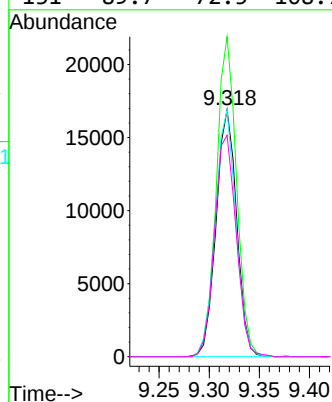


#64
Tetrachloroethene
Concen: 32.75 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

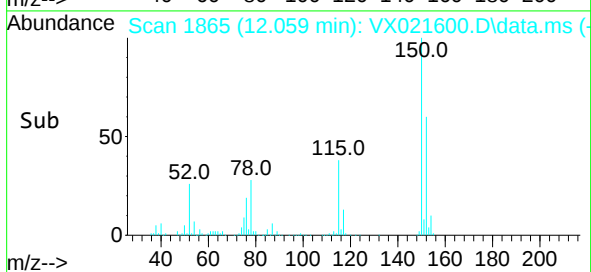
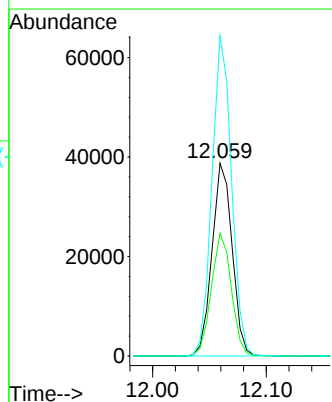
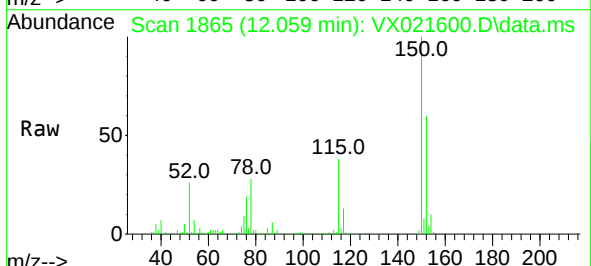


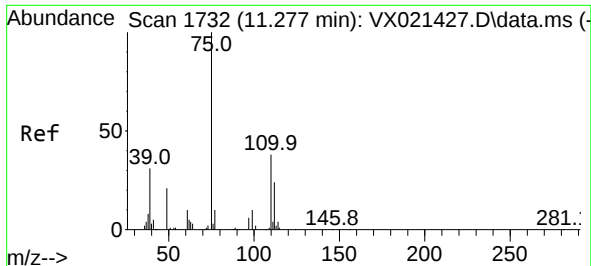
Tgt Ion:	164	Resp:	24042
Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.4	155.2
129	99.8	70.8	106.2
131	89.7	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion:	152	Resp:	47697
Ion	Ratio	Lower	Upper
152	100		
115	63.3	41.1	123.3
150	161.5	0.0	349.0

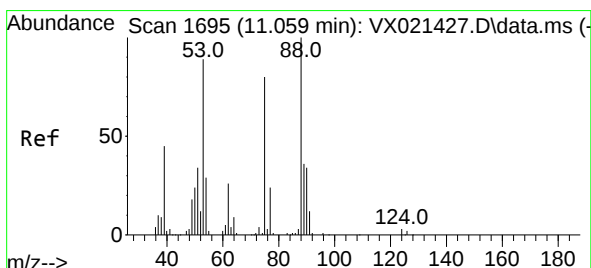
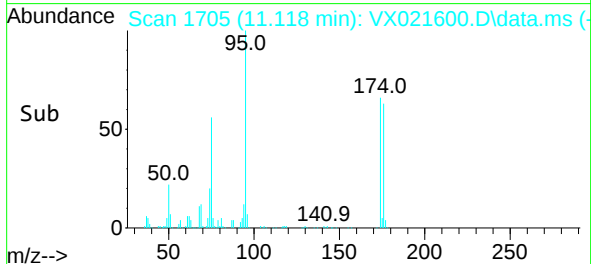
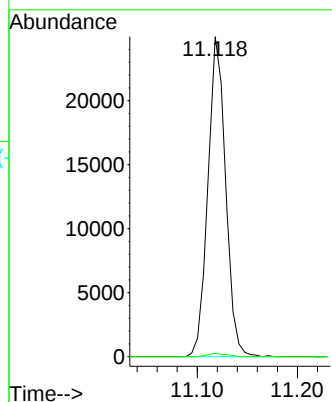
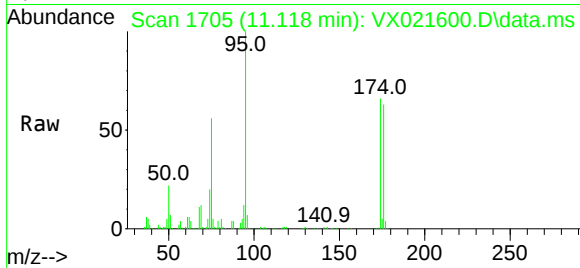




#76
1,2,3-Trichloropropane
Concen: 27.72 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20210324

Tgt Ion: 75 Resp: 30783
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.44 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021600.D
Acq: 30 Mar 2021 01:03

Tgt Ion: 75 Resp: 30783
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

