

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021682.D
 Acq On : 31 Mar 2021 14:12
 Operator : JC/MD
 Sample : M1842-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20210324

Quant Time: Apr 01 03:24:52 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)

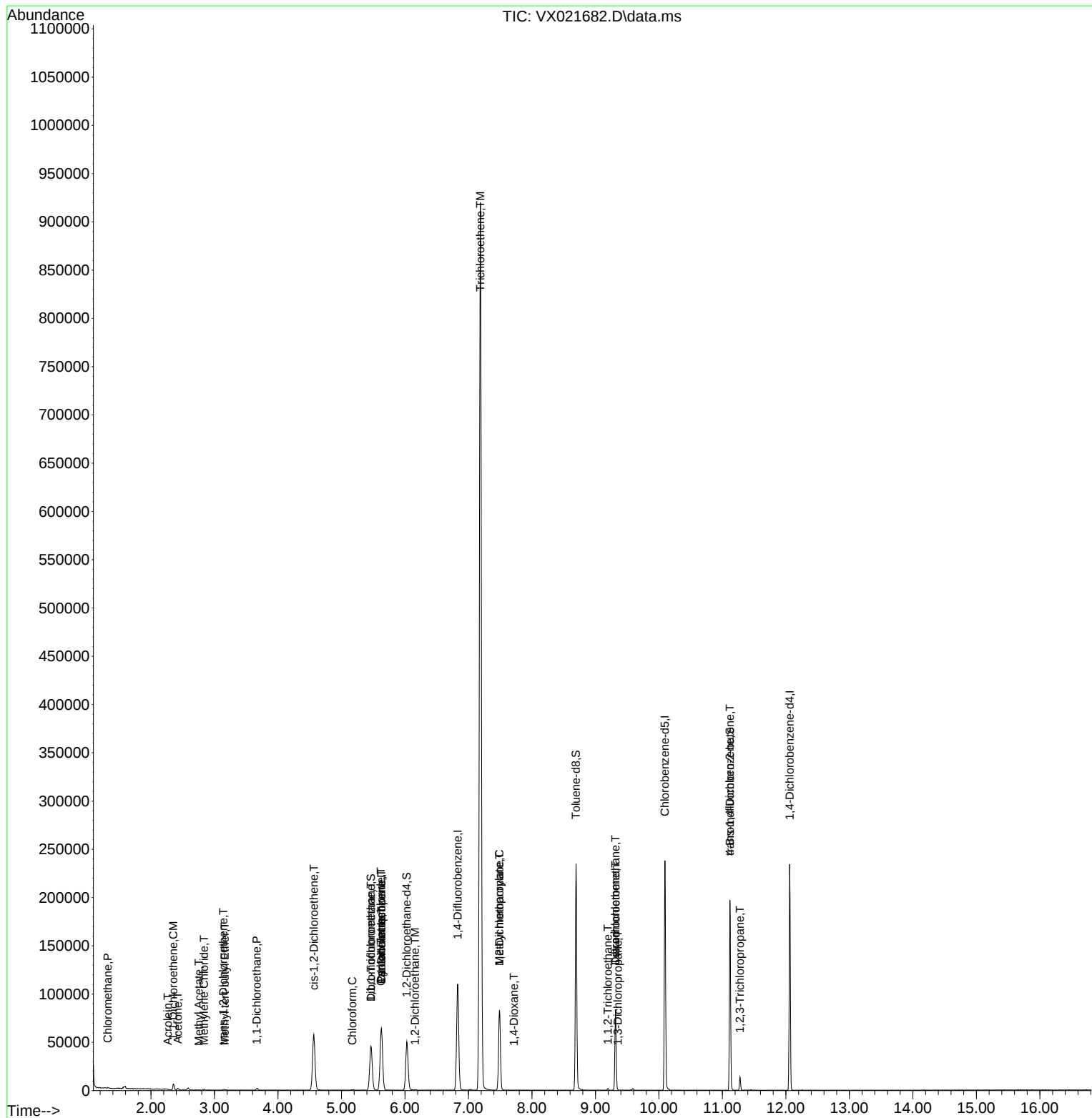
Internal Standards						
1) Pentafluorobenzene	5.629	168	57321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	102090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	103150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	43217	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	48507	50.86	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.72%
35) Dibromofluoromethane	5.464	113	37413	51.59	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.18%
50) Toluene-d8	8.694	98	130066	50.33	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.66%
62) 4-Bromofluorobenzene	11.118	95	50107	49.87	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.74%
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1314	1.85	ug/l	91
12) 1,1-Dichloroethene	2.352	96	1847	3.20	ug/l	87
13) Acrolein	2.264	56	19	4.53	ug/l #	14
16) Acetone	2.423	43	1725	4.78	ug/l #	85
18) Methyl Acetate	2.752	43	224	0.22	ug/l #	47
19) Methyl tert-butyl Ether	3.164	73	445	0.21	ug/l #	55
20) Methylene Chloride	2.835	84	275	0.39	ug/l #	68
21) trans-1,2-Dichloroethene	3.140	96	235	0.37	ug/l #	68
24) 1,1-Dichloroethane	3.664	63	2038	1.66	ug/l #	94
27) cis-1,2-Dichloroethene	4.564	96	34649	47.03	ug/l	98
30) Chloroform	5.170	83	477	0.37	ug/l	91
31) Cyclohexane	5.629	56	1563	1.49	ug/l #	32
32) 1,1,1-Trichloroethane	5.464	97	284	0.25	ug/l #	41
36) 1,1-Dichloropropene	5.629	75	4911	4.91	ug/l #	44
38) Carbon Tetrachloride	5.623	117	6201	5.77	ug/l #	17
42) 1,2-Dichloroethane	6.158	62	716	0.58	ug/l #	73
44) Trichloroethene	7.188	130	324878	433.41	ug/l	94
45) 1,2-Dichloropropane	7.488	63	30568	39.72	ug/l	97
48) Methyl methacrylate	7.488	41	20294	20.26	ug/l #	25
49) 1,4-Dioxane	7.718	88	20	1.12	ug/l #	61
55) 1,1,2-Trichloroethane	9.194	97	462	0.62	ug/l	96
57) 1,3-Dichloropropane	9.353	76	285	0.22	ug/l #	77
60) Dibromochloromethane	9.318	129	14214	17.14	ug/l #	11
64) Tetrachloroethene	9.318	164	14381	20.81	ug/l	95
76) 1,2,3-Trichloropropane	11.277	75	3880	3.86	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.118	75	27915	84.51	ug/l #	12

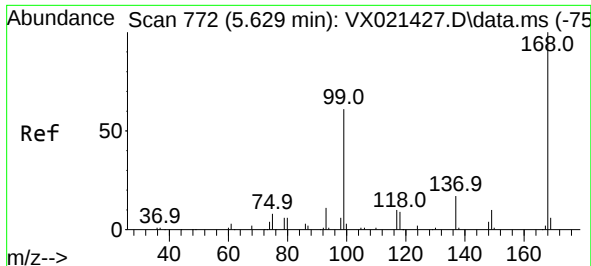
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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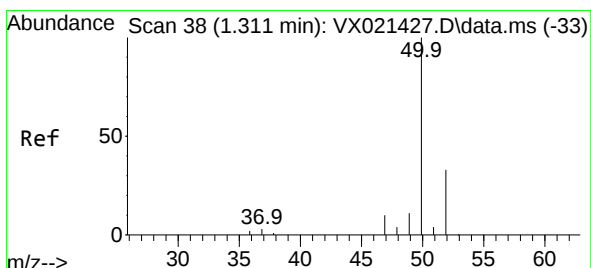
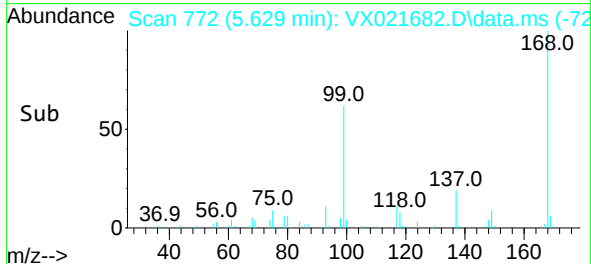
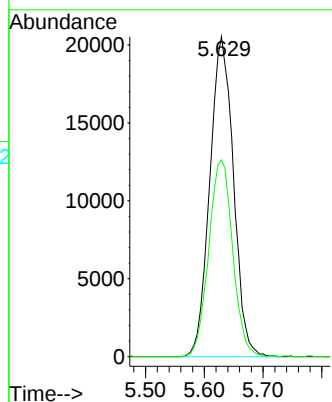
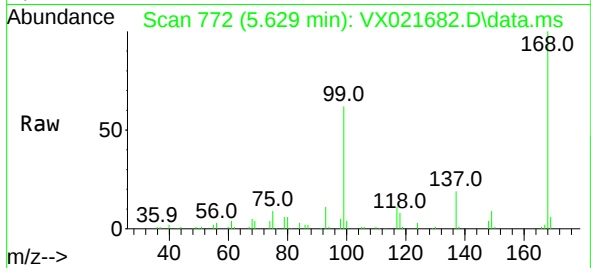




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

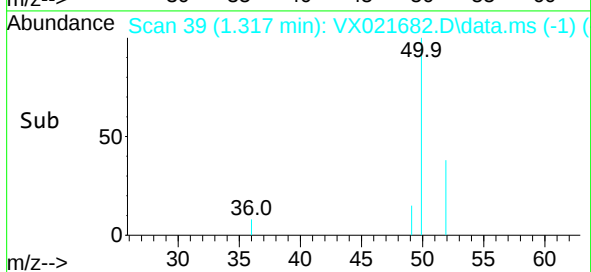
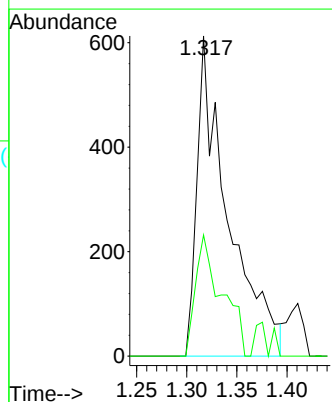
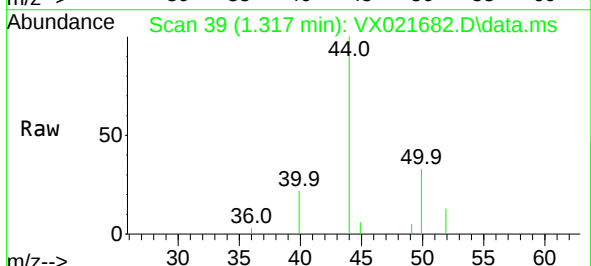
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

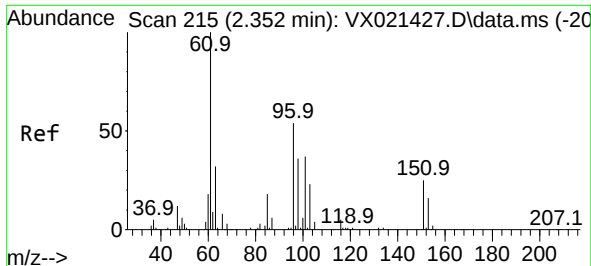
Tgt Ion:168 Resp: 57321
Ion Ratio Lower Upper
168 100
99 61.5 45.8 68.6



#3
Chloromethane
Concen: 1.85 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Tgt Ion: 50 Resp: 1314
Ion Ratio Lower Upper
50 100
52 37.8 26.4 39.6

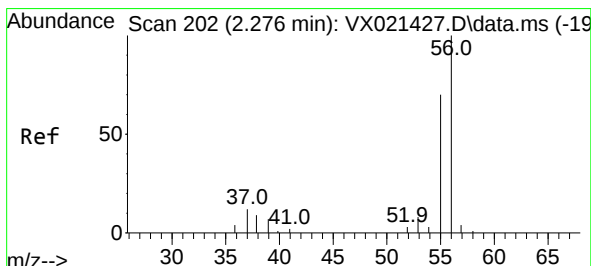
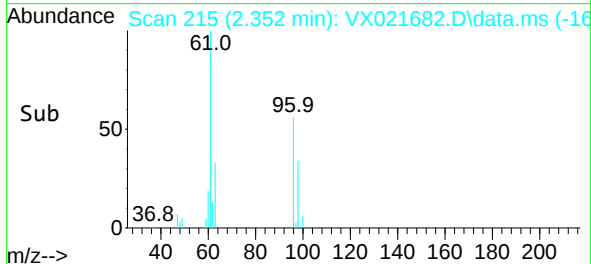
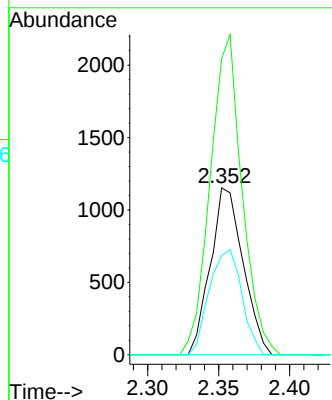
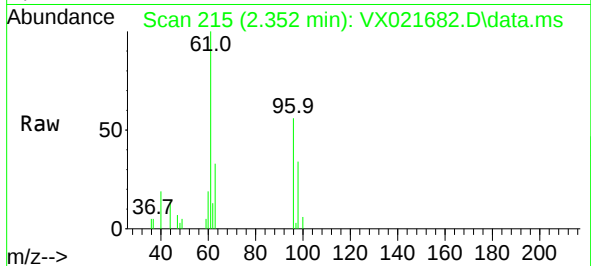




#12
1,1-Dichloroethene
Concen: 3.20 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

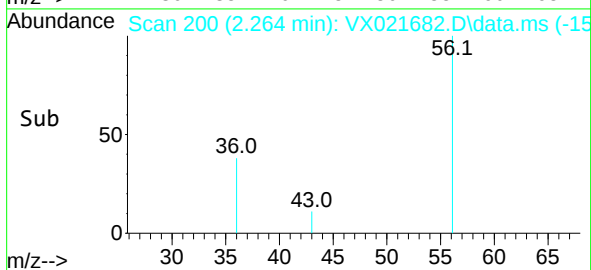
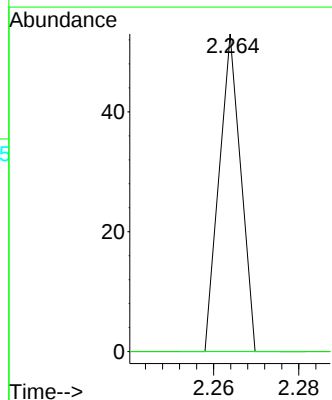
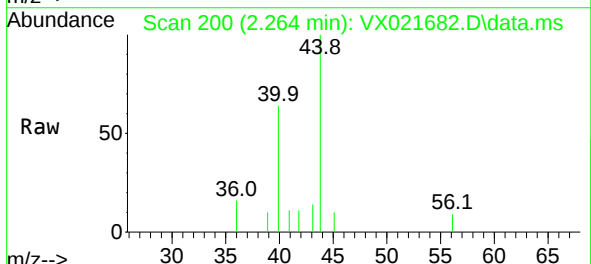
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

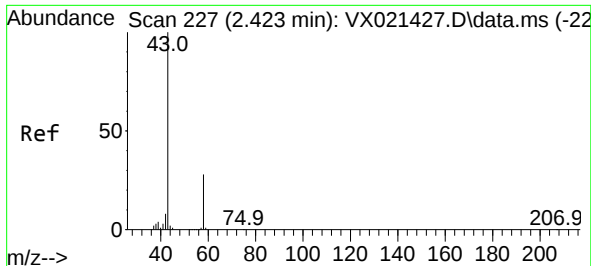
Tgt Ion: 96 Resp: 1847
Ion Ratio Lower Upper
96 100
61 177.4 124.6 187.0
98 59.5 50.6 76.0



#13
Acrolein
Concen: 4.53 ug/l
RT: 2.264 min Scan# 200
Delta R.T. -0.012 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

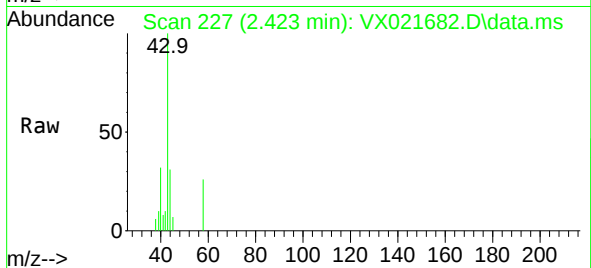
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



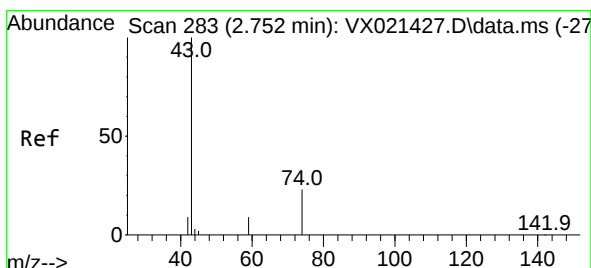
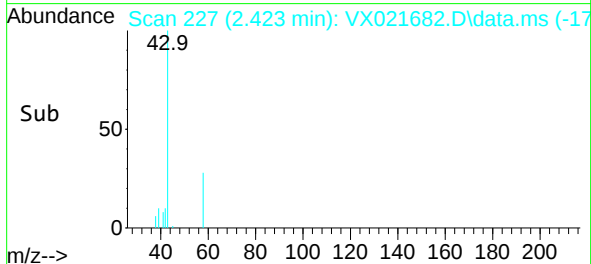
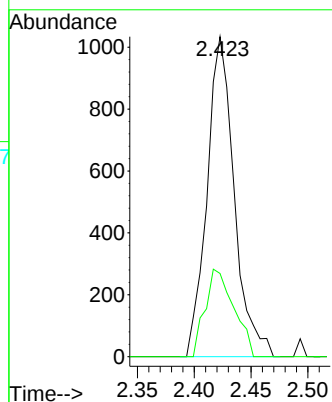


#16
Acetone
Concen: 4.78 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

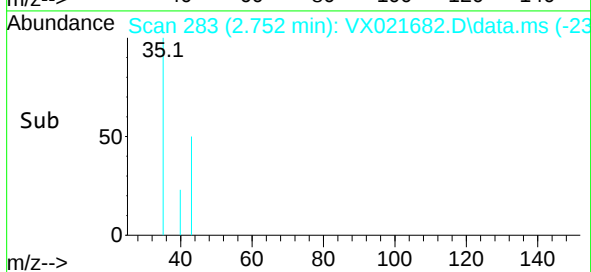
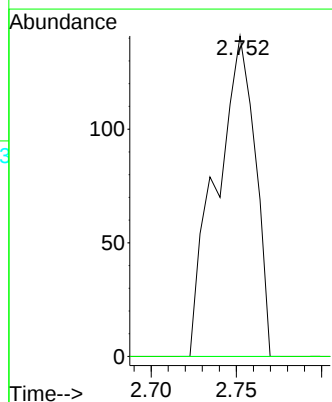
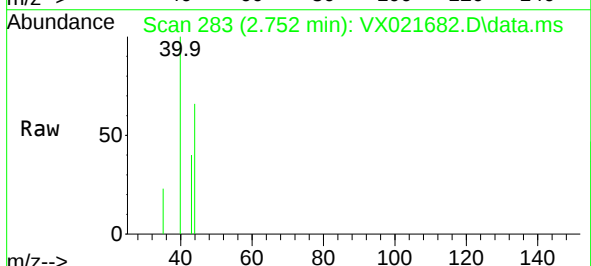


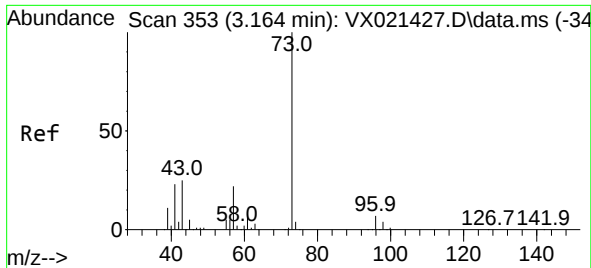
Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
58 26.0 27.8 41.8#



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

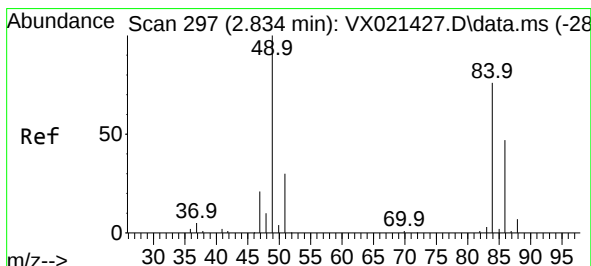
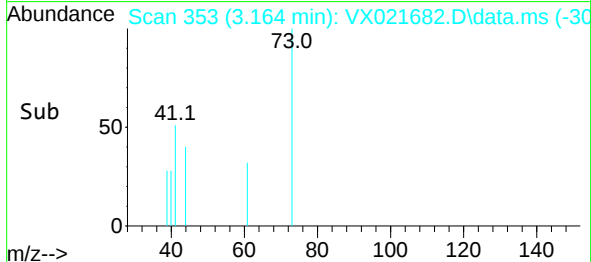
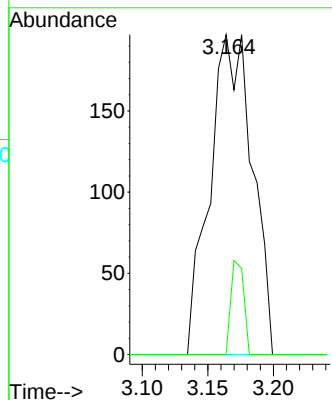
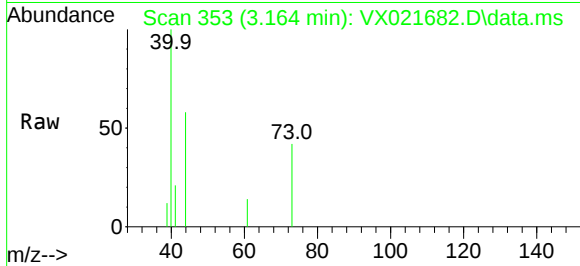




#19
Methyl tert-butyl Ether
Concen: 0.21 ug/l
RT: 3.164 min Scan# 353
Delta R.T. -0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

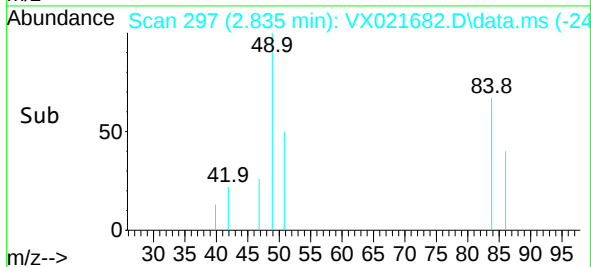
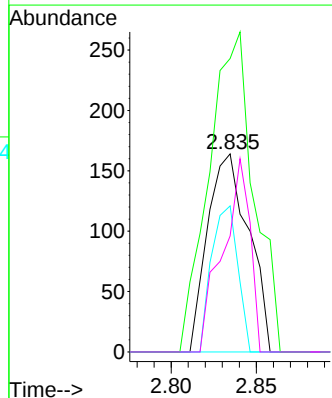
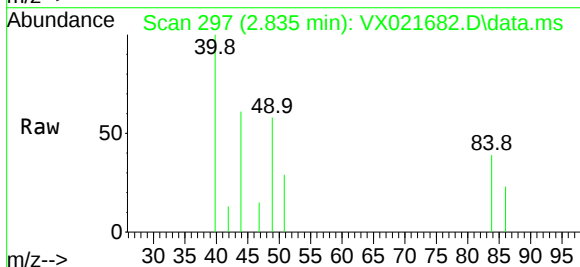
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

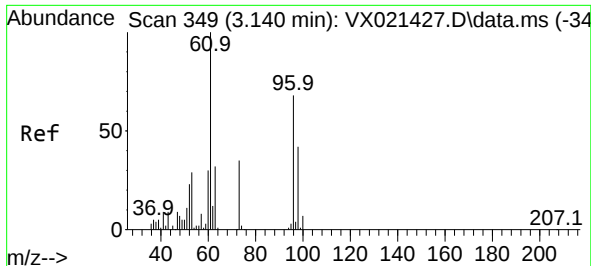
Tgt Ion: 73 Resp: 445
Ion Ratio Lower Upper
73 100
57 0.0 17.1 25.7#



#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 2.835 min Scan# 297
Delta R.T. 0.001 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

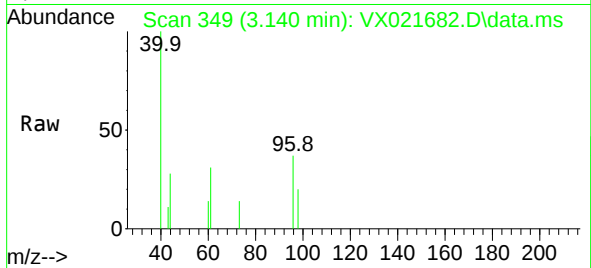
Tgt Ion: 84 Resp: 275
Ion Ratio Lower Upper
84 100
49 148.2 88.6 132.8#
51 73.8 27.0 40.6#
86 58.5 50.3 75.5



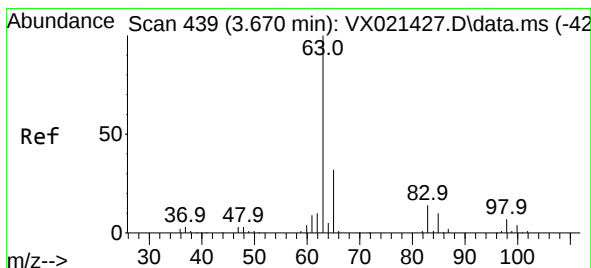
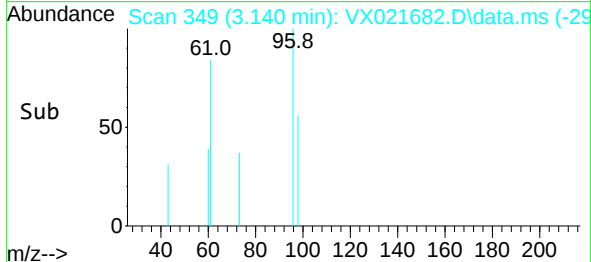
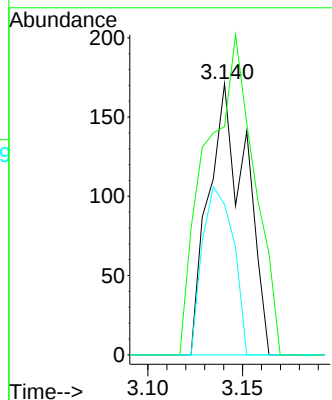


#21
trans-1,2-Dichloroethene
Concen: 0.37 ug/l
RT: 3.140 min Scan# 349
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

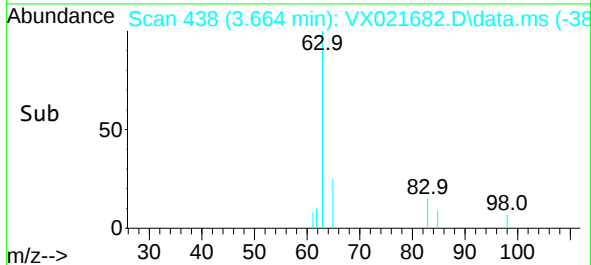
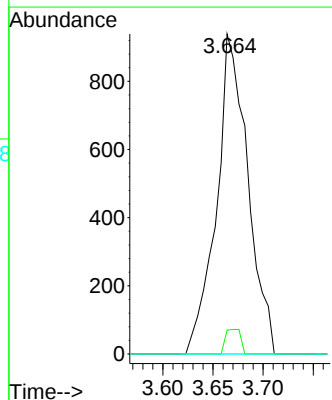
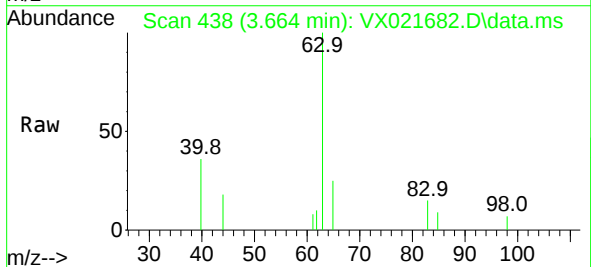


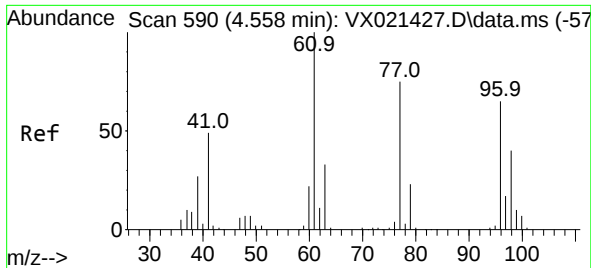
Tgt Ion: 96 Resp: 235
Ion Ratio Lower Upper
96 100
61 84.2 107.7 161.5#
98 55.6 50.4 75.6



#24
1,1-Dichloroethane
Concen: 1.66 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Tgt Ion: 63 Resp: 2038
Ion Ratio Lower Upper
63 100
98 7.5 3.8 11.2
100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 47.03 ug/l

RT: 4.564 min Scan# 591

Delta R.T. 0.006 min

Lab File: VX021682.D

Acq: 31 Mar 2021 14:12

Tgt Ion: 96 Resp: 34649

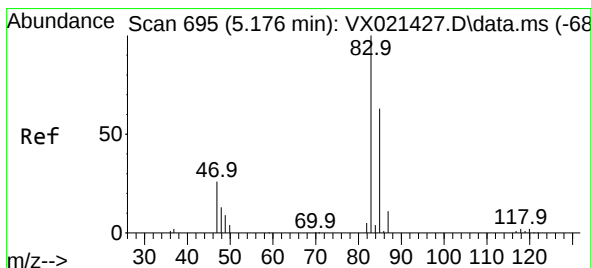
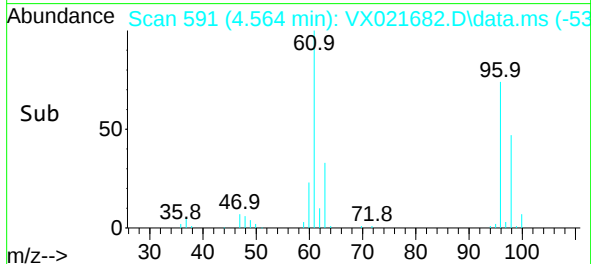
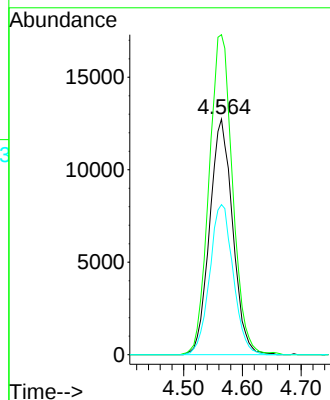
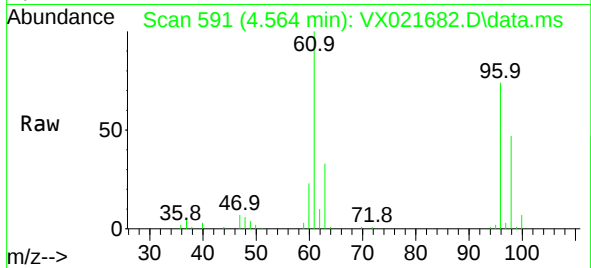
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	285.6
98	65.1	0.0	129.6

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#30

Chloroform

Concen: 0.37 ug/l

RT: 5.170 min Scan# 694

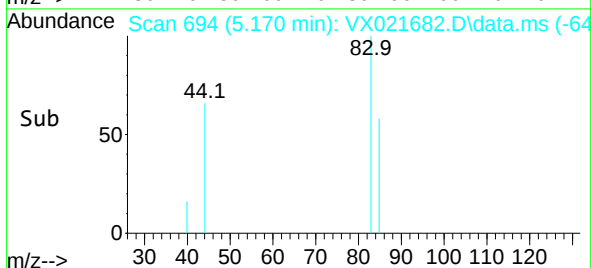
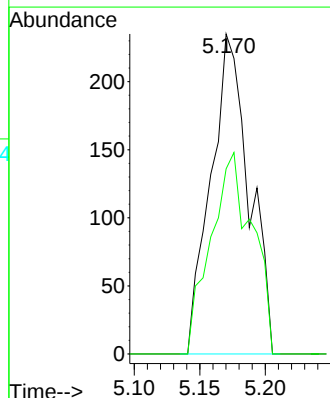
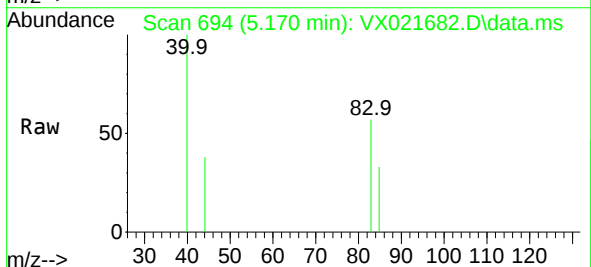
Delta R.T. -0.006 min

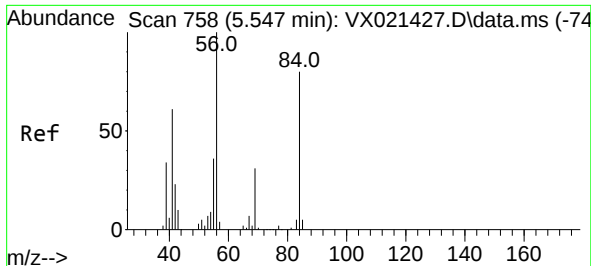
Lab File: VX021682.D

Acq: 31 Mar 2021 14:12

Tgt Ion: 83 Resp: 477

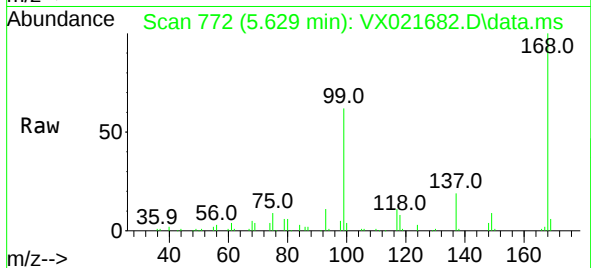
Ion	Ratio	Lower	Upper
83	100		
85	57.9	52.0	78.0



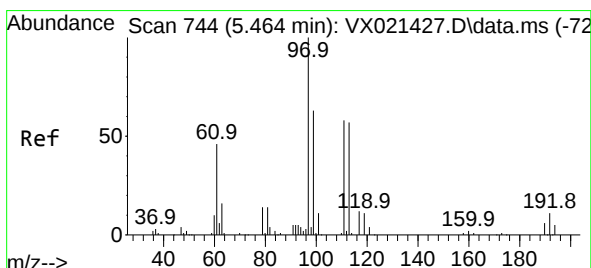
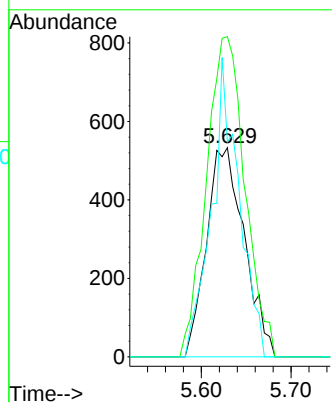
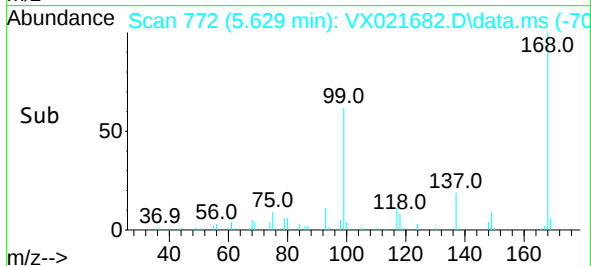


#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

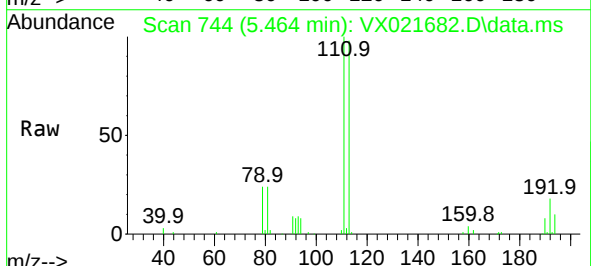
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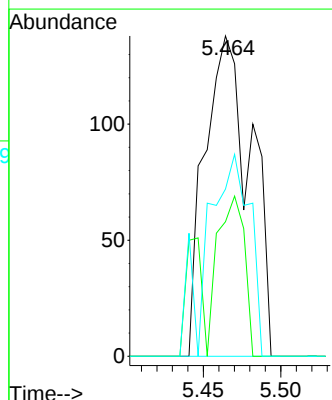
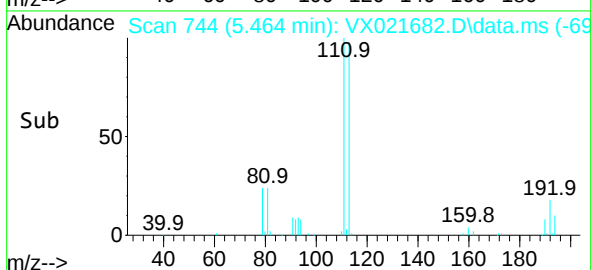
Tgt Ion: 56 Resp: 1563
Ion Ratio Lower Upper
56 100
69 153.1 25.3 37.9#
84 102.8 71.4 107.0

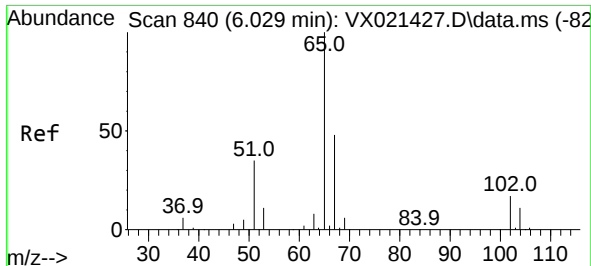


#32
1,1,1-Trichloroethane
Concen: 0.25 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12



Tgt Ion: 97 Resp: 284
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 58.8 34.2 51.4#

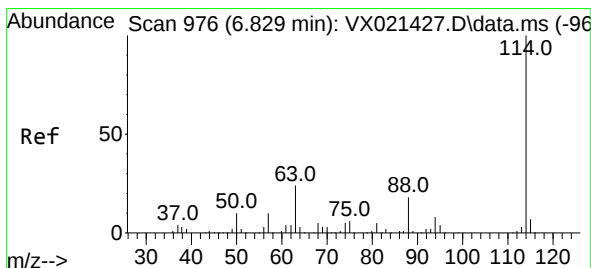
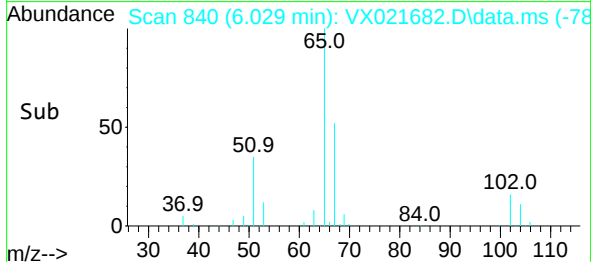
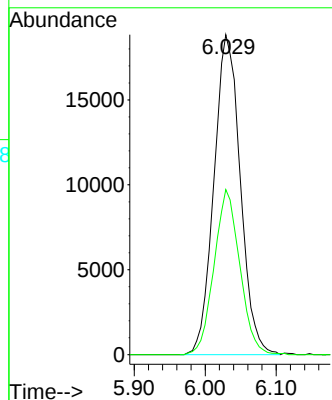
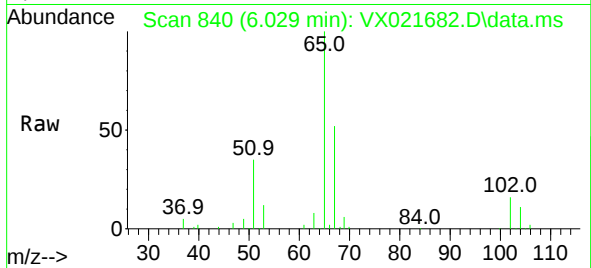




#33
 1,2-Dichloroethane-d4
 Concen: 50.86 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. 0.000 min
 Lab File: VX021682.D
 Acq: 31 Mar 2021 14:12

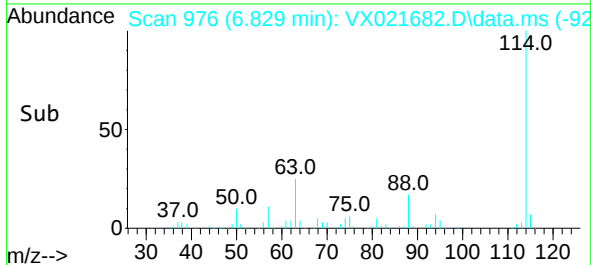
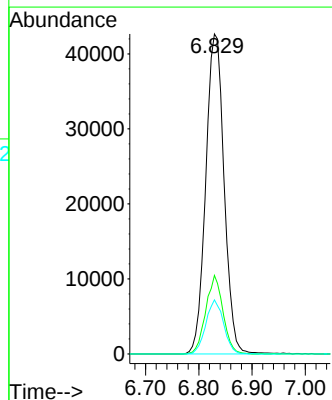
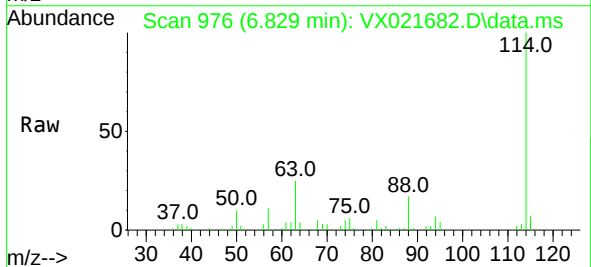
Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20210324

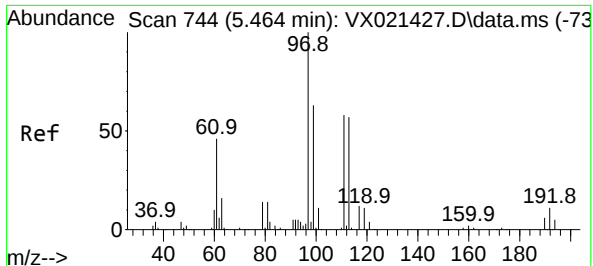
Tgt Ion: 65 Resp: 48507
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. 0.000 min
 Lab File: VX021682.D
 Acq: 31 Mar 2021 14:12

Tgt Ion: 114 Resp: 102090
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 40.8
 88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.59 ug/l

RT: 5.464 min Scan# 744

Delta R.T. 0.000 min

Lab File: VX021682.D

Acq: 31 Mar 2021 14:12

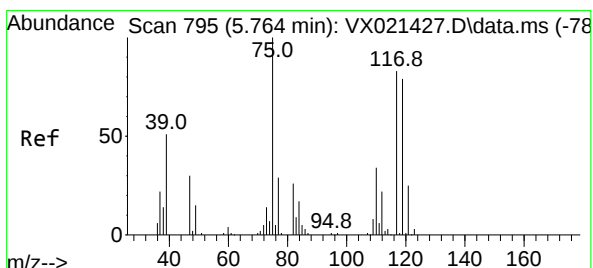
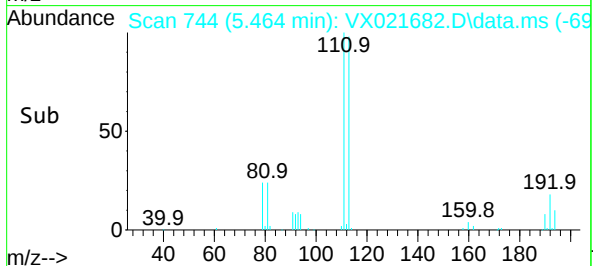
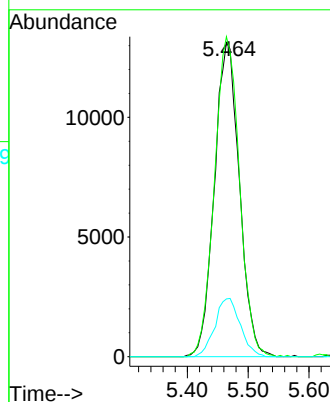
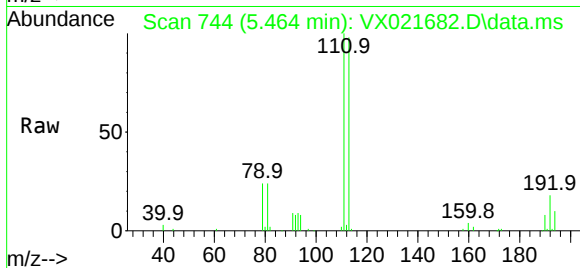
Tgt Ion:113 Resp: 37413

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 18.8 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: VX021682.D

Acq: 31 Mar 2021 14:12

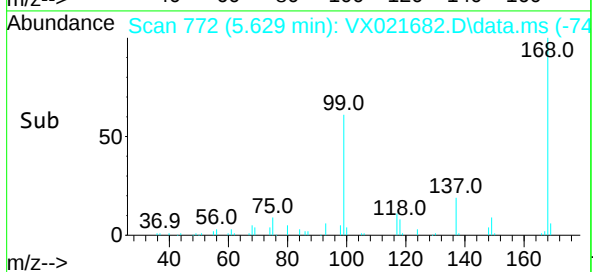
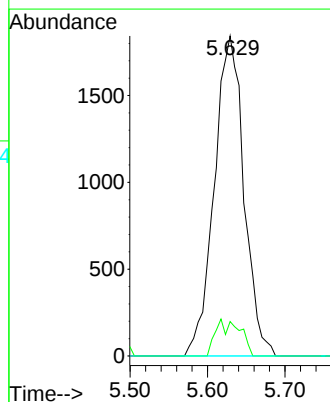
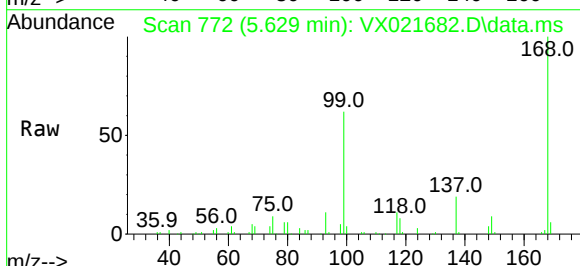
Tgt Ion: 75 Resp: 4911

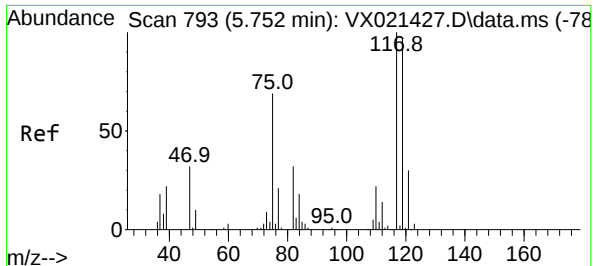
Ion Ratio Lower Upper

75 100

110 4.2 18.1 54.4#

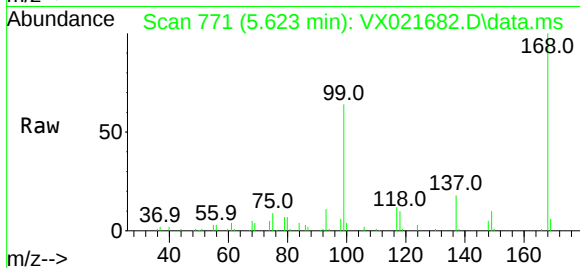
77 0.0 25.3 37.9#



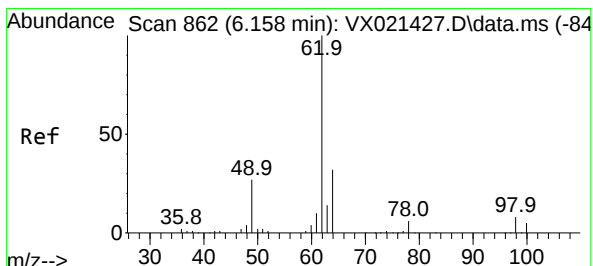
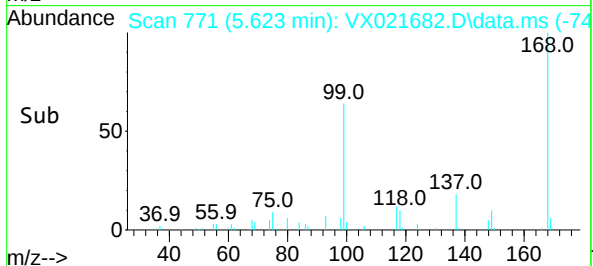
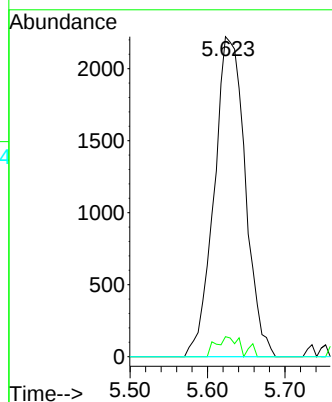


#38
Carbon Tetrachloride
Concen: 5.77 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

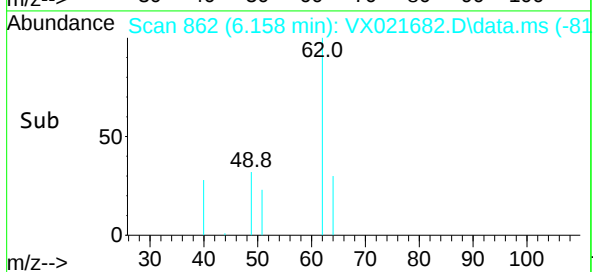
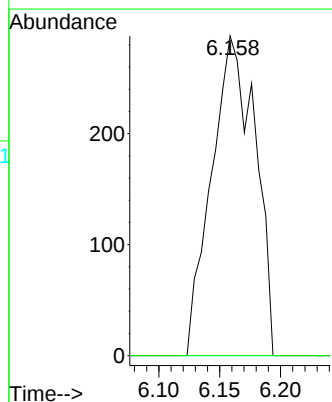
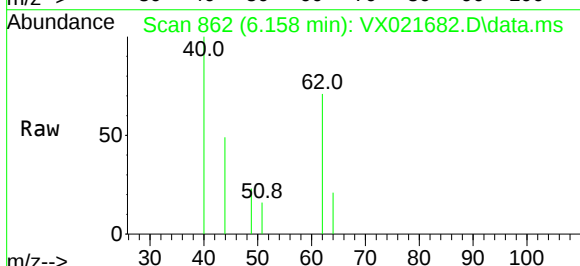


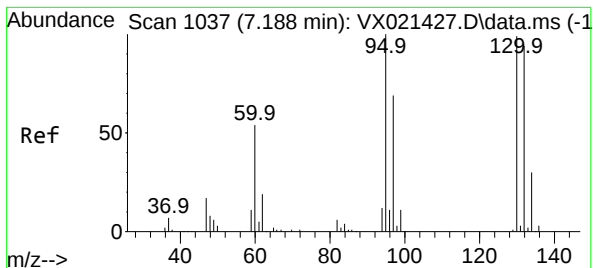
Tgt Ion:117 Resp: 6201
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.2#
121 0.0 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 0.58 ug/l
RT: 6.158 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Tgt Ion: 62 Resp: 716
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2





#44

Trichloroethene

Concen: 433.41 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021682.D

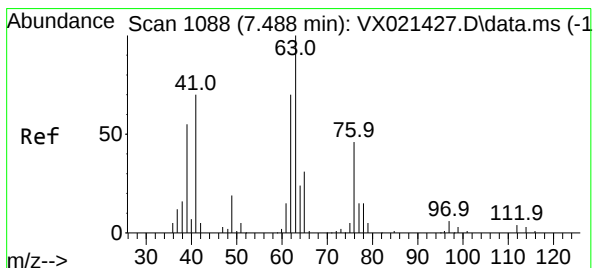
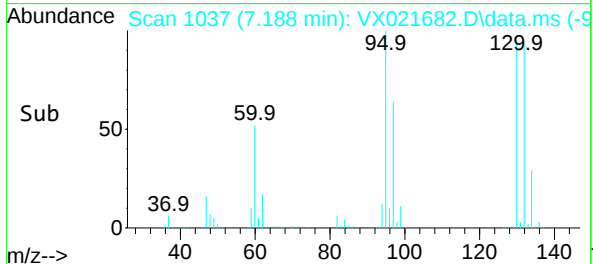
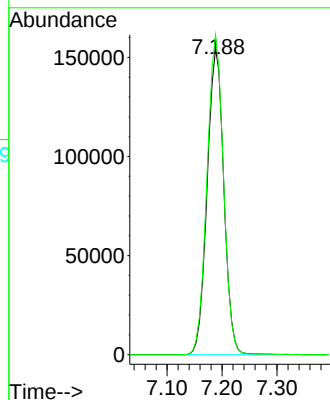
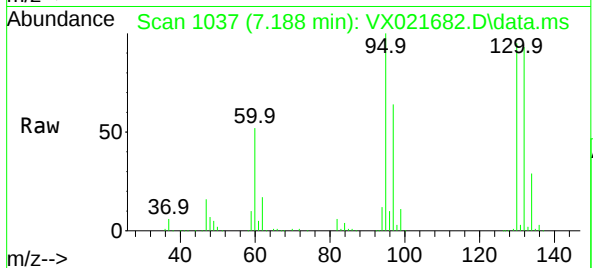
Acq: 31 Mar 2021 14:12

Tgt Ion:130 Resp: 324878

Ion Ratio Lower Upper

130 100

95 104.7 0.0 198.0



#45

1,2-Dichloropropane

Concen: 39.72 ug/l

RT: 7.488 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VX021682.D

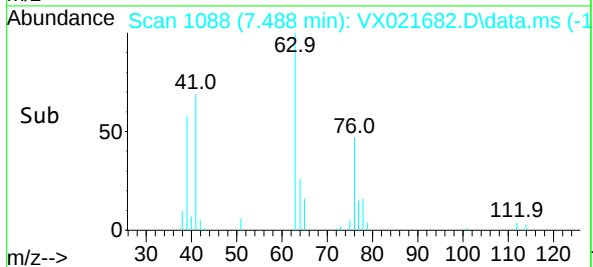
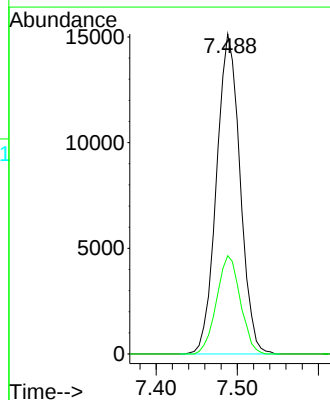
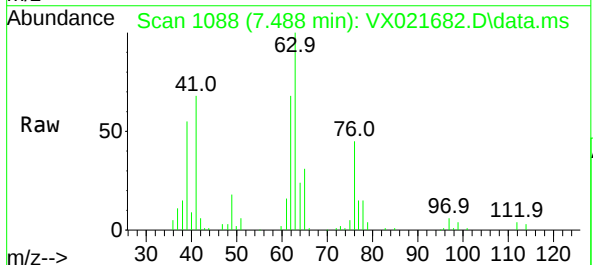
Acq: 31 Mar 2021 14:12

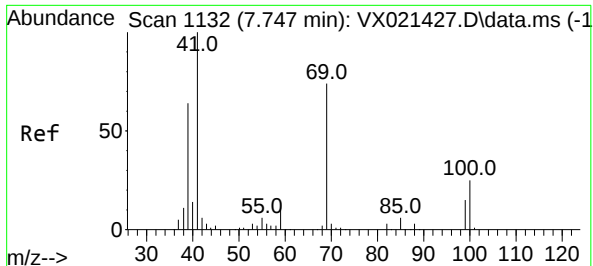
Tgt Ion: 63 Resp: 30568

Ion Ratio Lower Upper

63 100

65 30.7 25.7 38.5





#48

Methyl methacrylate

Concen: 20.26 ug/l

RT: 7.488 min Scan# 1088

Delta R.T. -0.259 min

Lab File: VX021682.D

Acq: 31 Mar 2021 14:12

Tgt Ion: 41 Resp: 20294

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

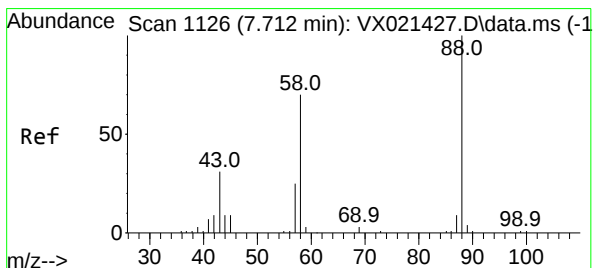
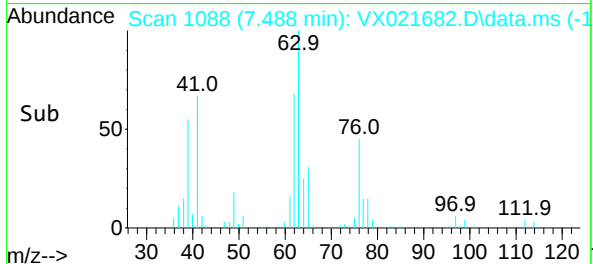
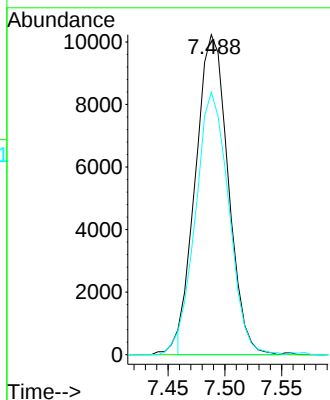
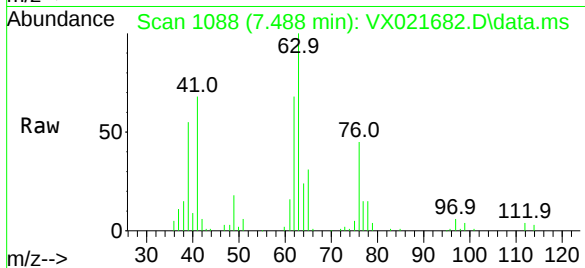
39 82.9 44.6 67.0#

Instrument :

MSVOA_X

ClientSampleId :

MW17811-20210324



#49

1,4-Dioxane

Concen: 1.12 ug/l

RT: 7.718 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VX021682.D

Acq: 31 Mar 2021 14:12

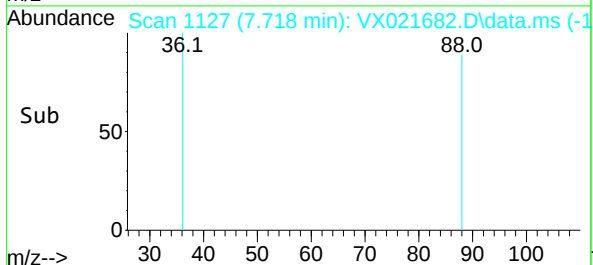
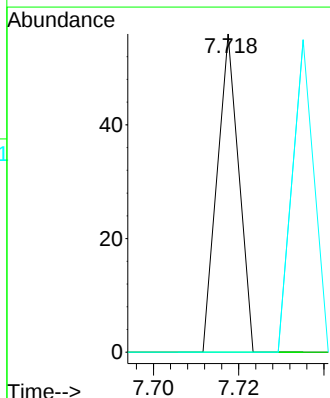
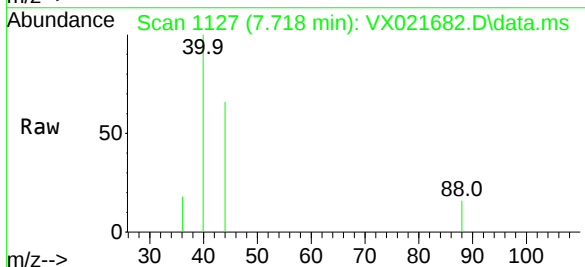
Tgt Ion: 88 Resp: 20

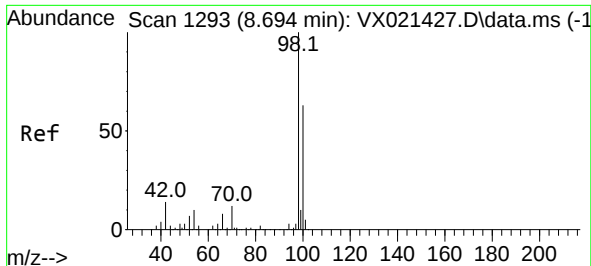
Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

58 95.0 55.0 82.4#

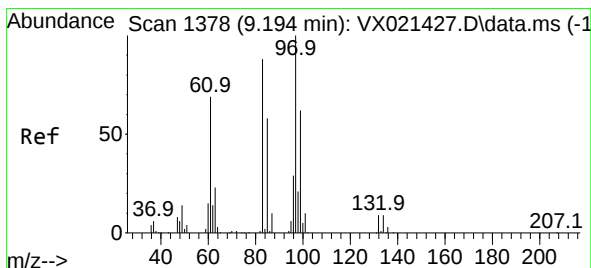
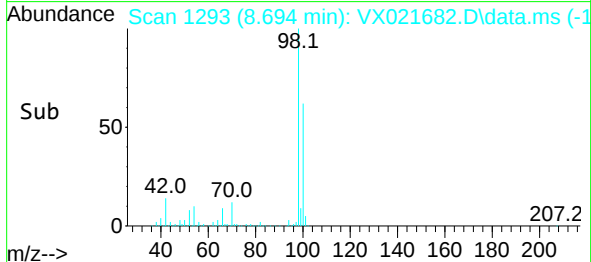
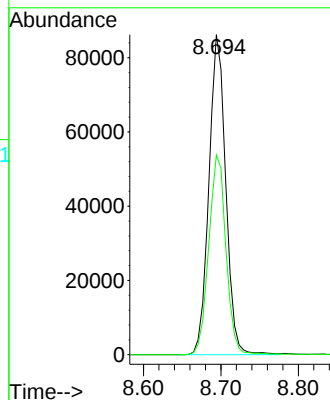
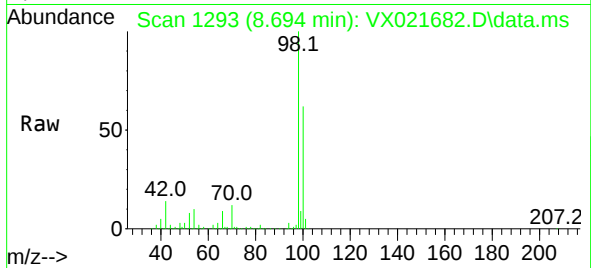




#50
Toluene-d8
Concen: 50.33 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

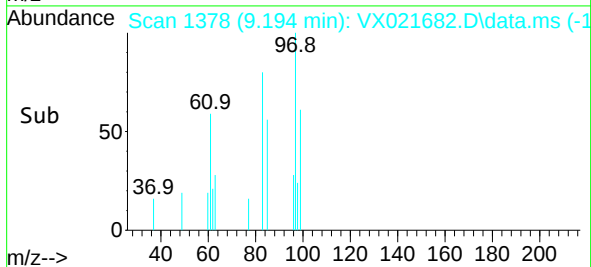
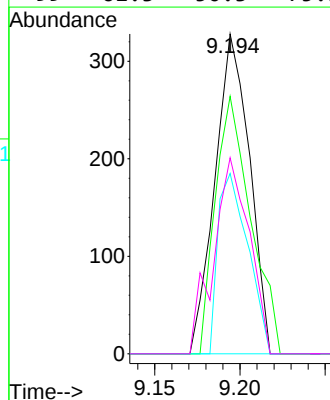
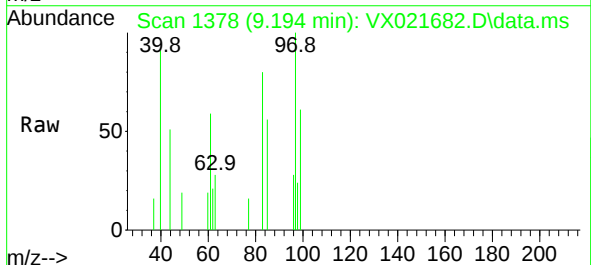
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

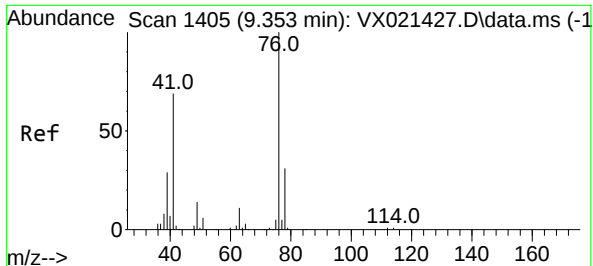
Tgt Ion: 98 Resp: 130066
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.62 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Tgt Ion: 97 Resp: 462
Ion Ratio Lower Upper
97 100
83 80.5 69.3 103.9
85 56.4 44.3 66.5
99 61.3 50.3 75.5

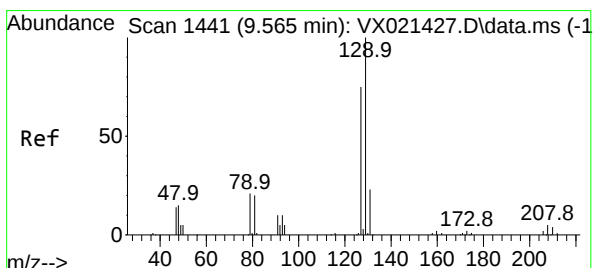
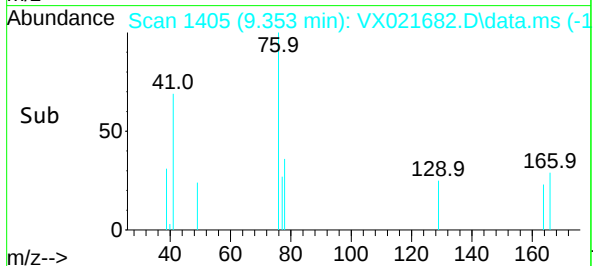
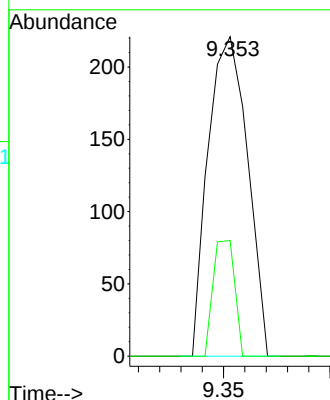
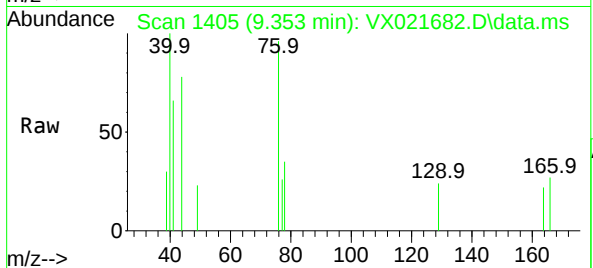




#57
1,3-Dichloropropane
Concen: 0.22 ug/l
RT: 9.353 min Scan# 1405
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

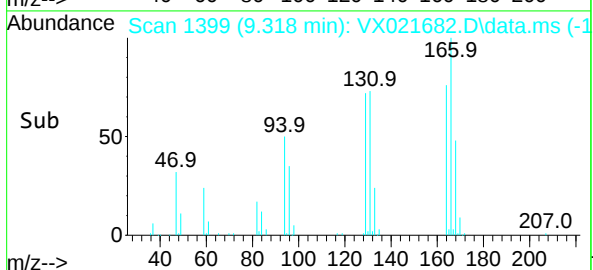
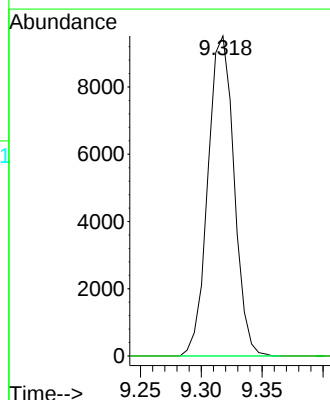
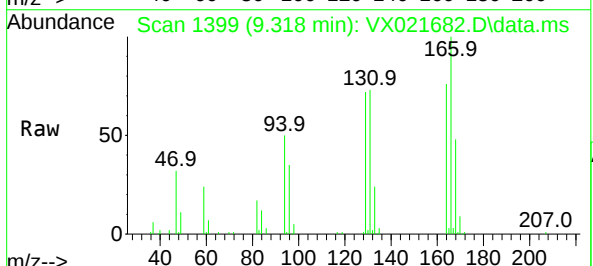
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

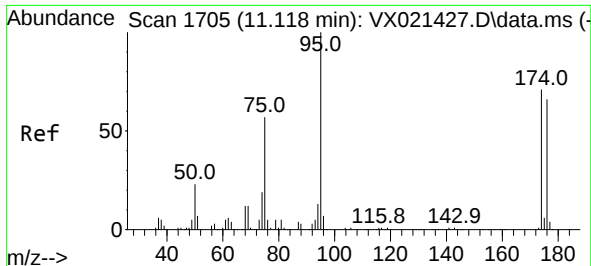
Tgt Ion: 76 Resp: 285
Ion Ratio Lower Upper
76 100
78 19.6 26.2 39.2#



#60
Dibromochloromethane
Concen: 17.14 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Tgt Ion: 129 Resp: 14214
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

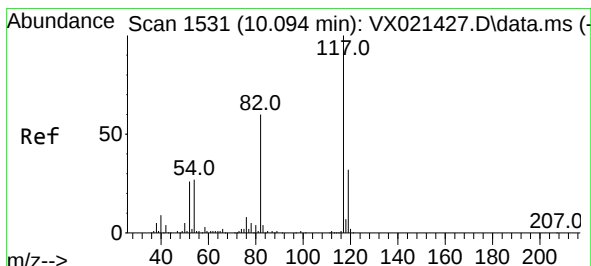
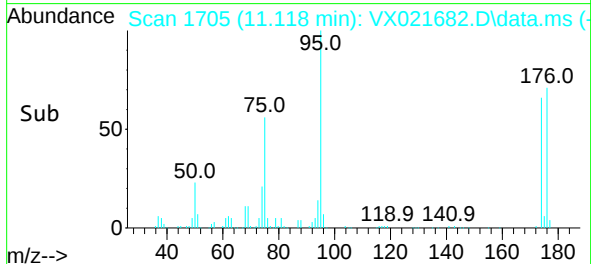
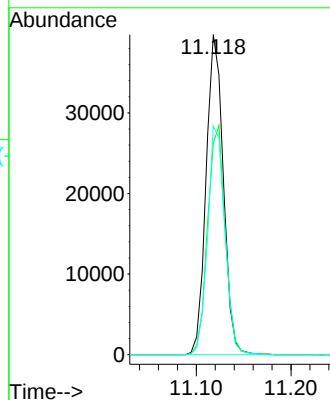
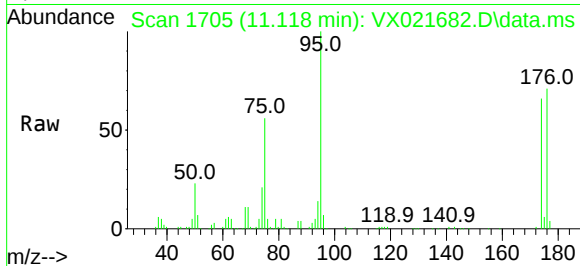




#62
4-Bromofluorobenzene
Concen: 49.87 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

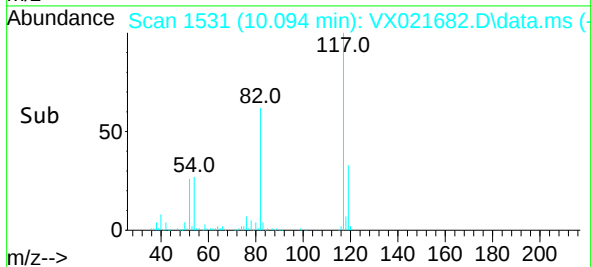
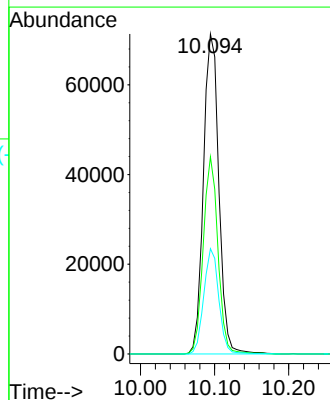
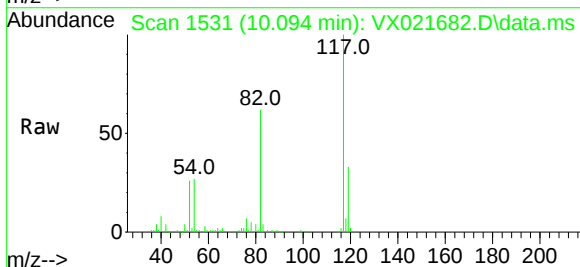
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

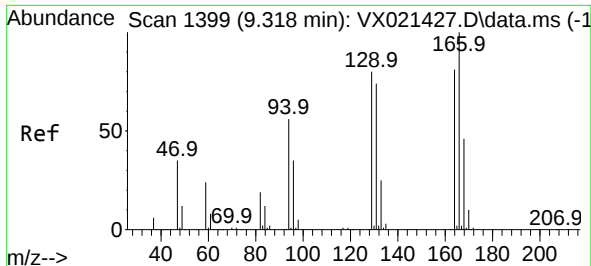
Tgt Ion: 95 Resp: 50107
Ion Ratio Lower Upper
95 100
174 73.2 0.0 154.6
176 71.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

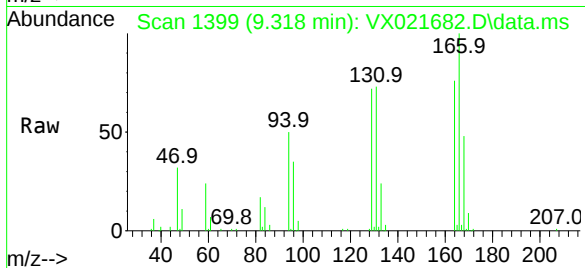
Tgt Ion: 117 Resp: 103150
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 32.9 26.6 39.8



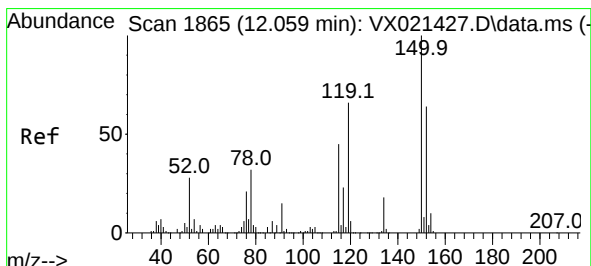
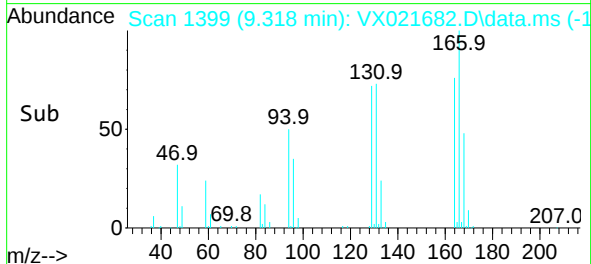
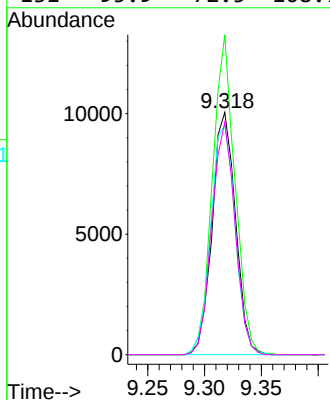


#64
Tetrachloroethene
Concen: 20.81 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

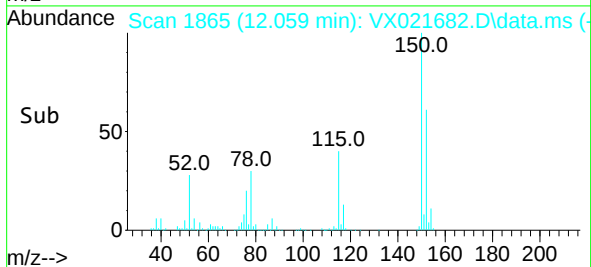
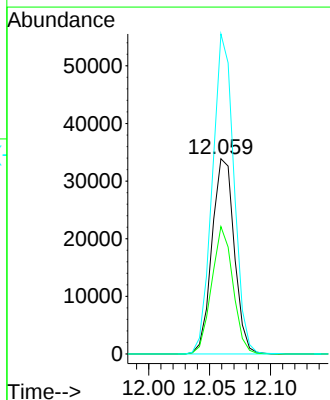
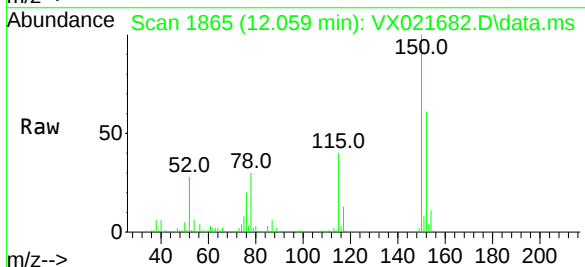


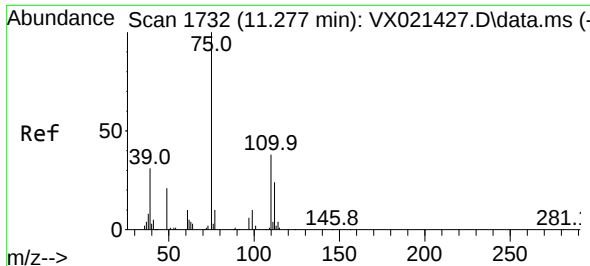
Tgt Ion:	164	Resp:	14381
Ion	Ratio	Lower	Upper
164	100		
166	132.1	103.4	155.2
129	94.8	70.8	106.2
131	95.9	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Tgt Ion:	152	Resp:	43217
Ion	Ratio	Lower	Upper
152	100		
115	62.1	41.1	123.3
150	158.2	0.0	349.0

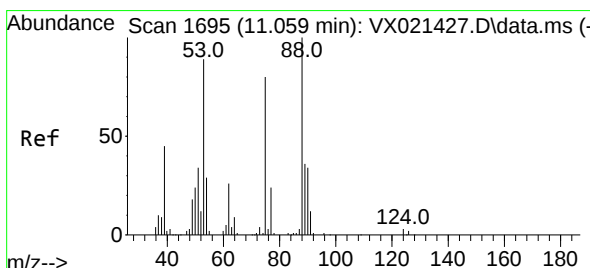
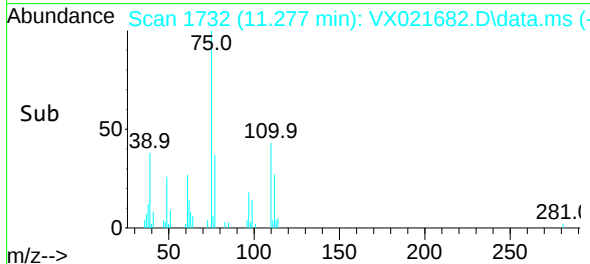
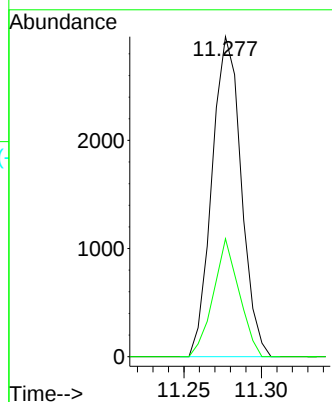
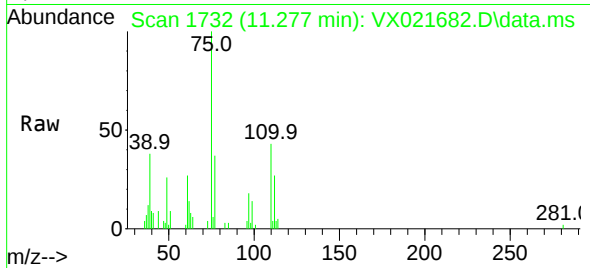




#76
1,2,3-Trichloropropane
Concen: 3.86 ug/l
RT: 11.277 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20210324

Tgt Ion: 75 Resp: 3880
Ion Ratio Lower Upper
75 100
77 32.6 19.1 57.5



#81
trans-1,4-Dichloro-2-butene
Concen: 84.51 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021682.D
Acq: 31 Mar 2021 14:12

Tgt Ion: 75 Resp: 27915
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

