

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020304.D
 Acq On : 22 Dec 2020 15:29
 Operator : JC/MD
 Sample : L5123-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

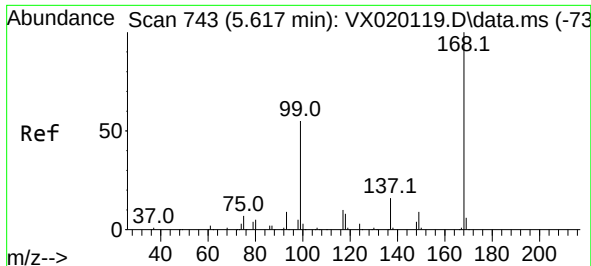
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20201211

Quant Time: Dec 23 00:31:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

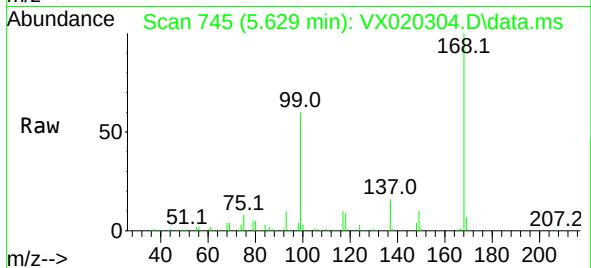
Internal Standards						
1) Pentafluorobenzene	5.629	168	300925	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	496012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	458821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	195360	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	190116	47.13	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.26%		
35) Dibromofluoromethane	5.464	113	154520	48.70	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.40%		
50) Toluene-d8	8.695	98	597052	48.88	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.76%		
62) 4-Bromofluorobenzene	11.122	95	212558	45.47	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.94%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	4254	1.30	ug/l	98
3) Chloromethane	1.312	50	1458	0.38	ug/l	96
5) Bromomethane	1.629	94	577	0.44	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.367	101	35054	11.67	ug/l	98
10) Methyl Iodide	2.489	142	185	3.33	ug/l #	82
11) Tert butyl alcohol	2.995	59	1980	2.19	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	7081	2.30	ug/l	93
16) Acetone	2.416	43	6409	3.48	ug/l	89
18) Methyl Acetate	2.751	43	948	0.23	ug/l #	84
20) Methylene Chloride	2.830	84	1068	0.26	ug/l #	79
24) 1,1-Dichloroethane	3.666	63	4775	0.73	ug/l	98
27) cis-1,2-Dichloroethene	4.556	96	12277	2.92	ug/l	93
29) Tetrahydrofuran	5.104	42	388	0.23	ug/l #	52
30) Chloroform	5.178	83	2664	0.40	ug/l	97
31) Cyclohexane	5.623	56	5800	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	22827	4.66	ug/l #	49
38) Carbon Tetrachloride	5.629	117	29658	6.36	ug/l #	16
42) 1,2-Dichloroethane	6.165	62	1460	0.28	ug/l	85
44) Trichloroethene	7.183	130	332502	84.29	ug/l	98
49) 1,4-Dioxane	7.714	88	1828	19.81	ug/l #	88
55) 1,1,2-Trichloroethane	9.189	97	857	0.22	ug/l	95
60) Dibromochloromethane	9.317	129	2166	0.57	ug/l #	11
64) Tetrachloroethene	9.317	164	2080	0.60	ug/l	90
76) 1,2,3-Trichloropropane	11.122	75	104329	21.68	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.122	75	104329	64.32	ug/l #	12

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

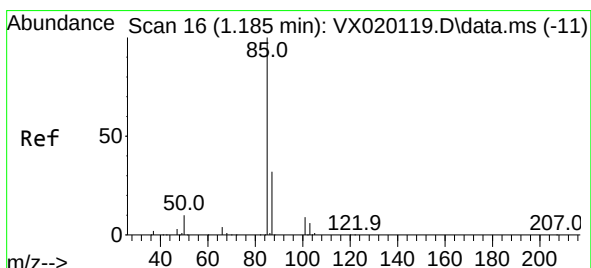
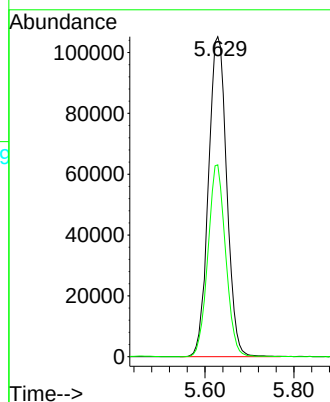
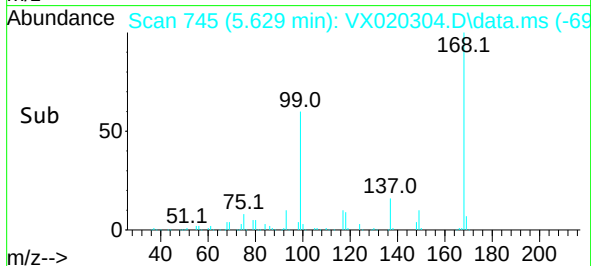


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

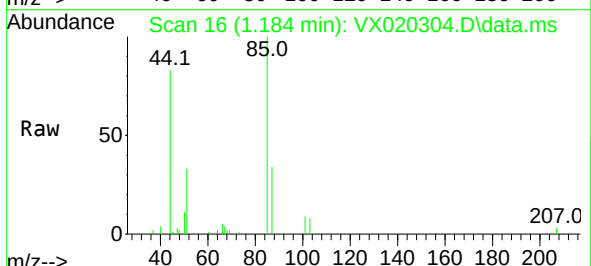
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211



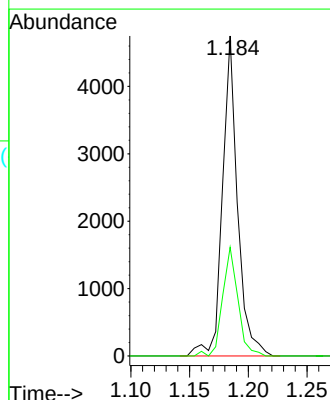
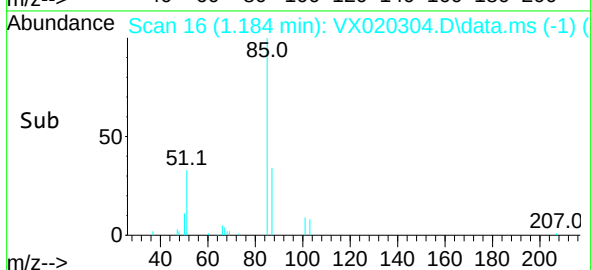
Tgt Ion:168 Resp: 300925
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6

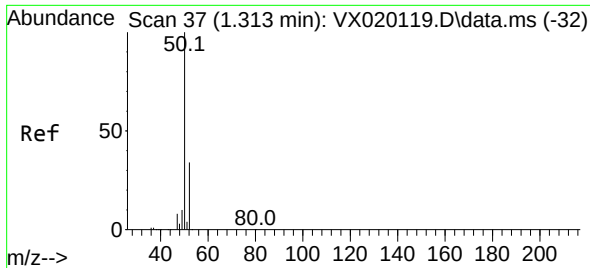


#2
Dichlorodifluoromethane
Concen: 1.30 ug/l
RT: 1.184 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29



Tgt Ion: 85 Resp: 4254
Ion Ratio Lower Upper
85 100
87 34.0 16.4 49.2

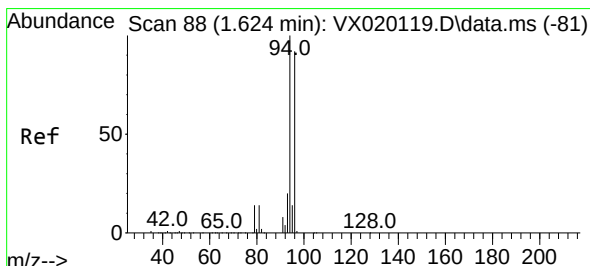
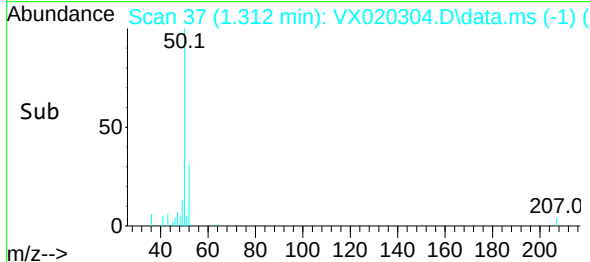
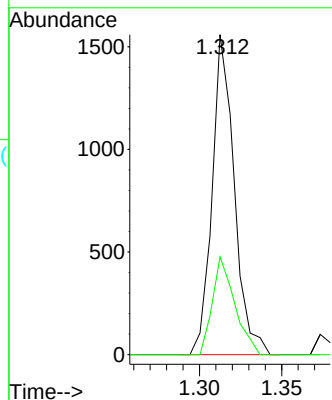
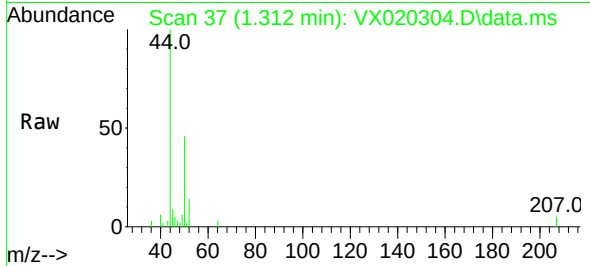




#3
Chloromethane
Concen: 0.38 ug/l
RT: 1.312 min Scan# 37
Delta R.T. -0.001 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

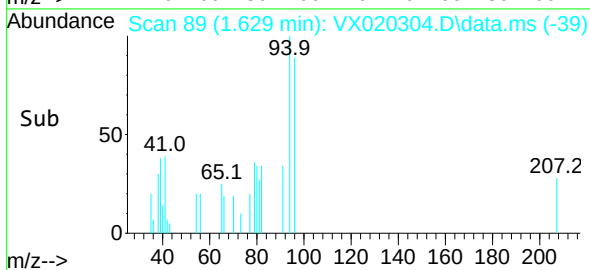
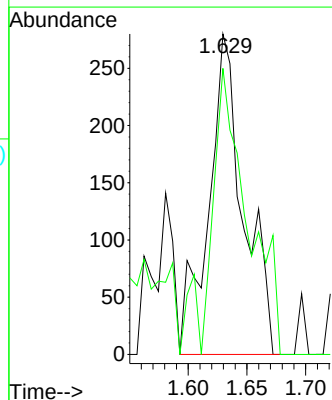
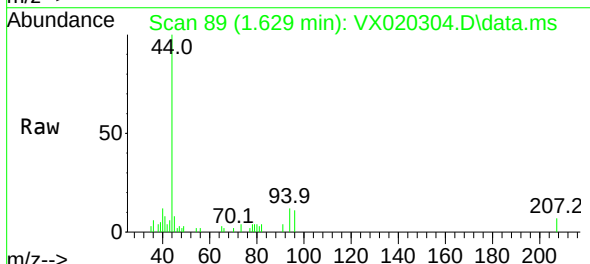
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

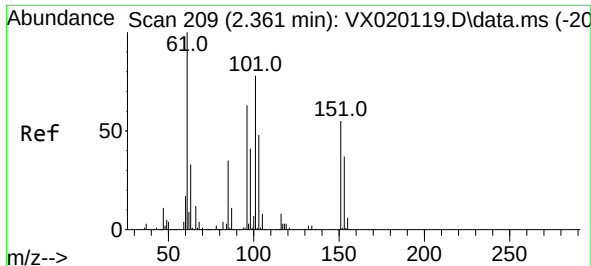
Tgt Ion: 50 Resp: 1458
Ion Ratio Lower Upper
50 100
52 30.6 26.4 39.6



#5
Bromomethane
Concen: 0.44 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.005 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Tgt Ion: 94 Resp: 577
Ion Ratio Lower Upper
94 100
96 89.3 76.4 114.6

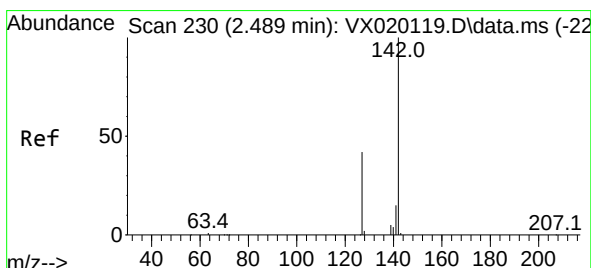
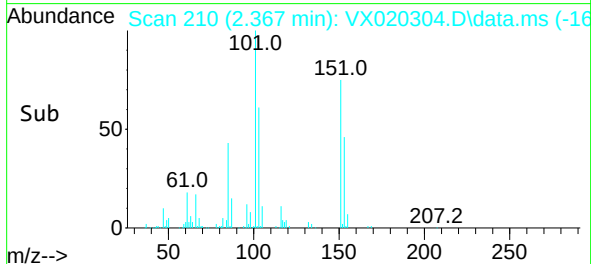
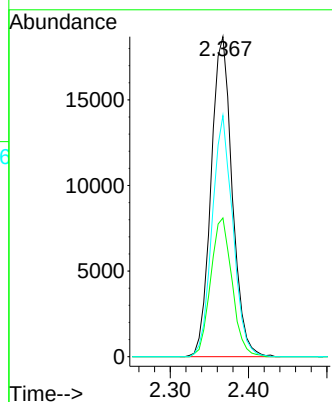
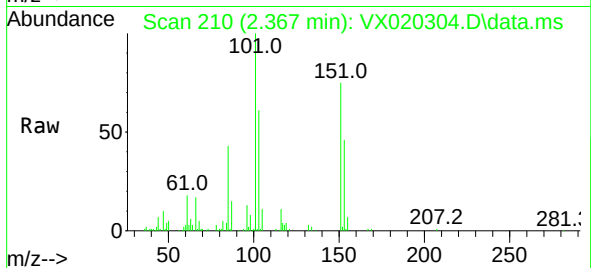




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.67 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

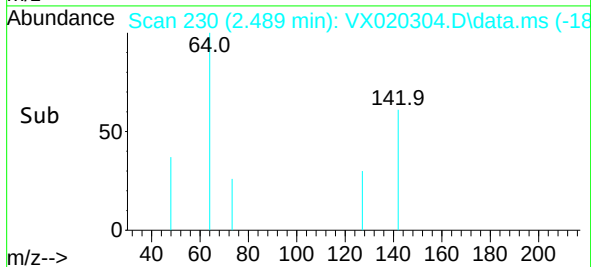
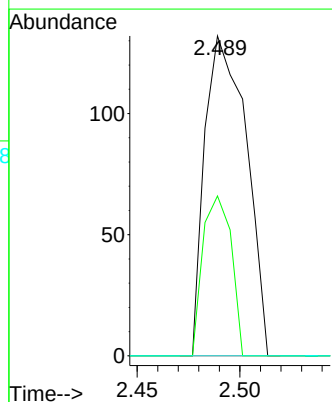
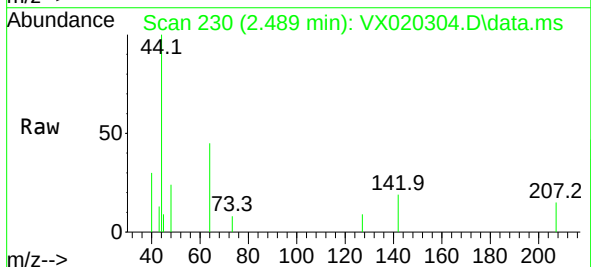
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

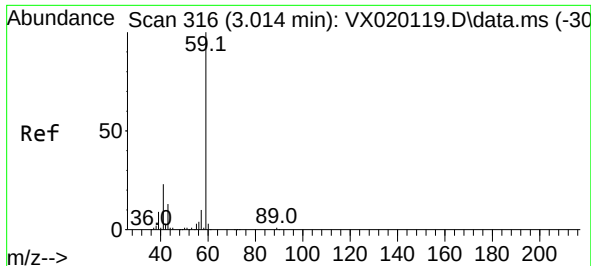
Tgt Ion:101 Resp: 35054
Ion Ratio Lower Upper
101 100
85 43.8 34.9 52.3
151 73.9 61.4 92.2



#10
Methyl Iodide
Concen: 3.33 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Tgt Ion:142 Resp: 185
Ion Ratio Lower Upper
142 100
127 34.1 33.3 49.9
141 0.0 11.4 17.0#



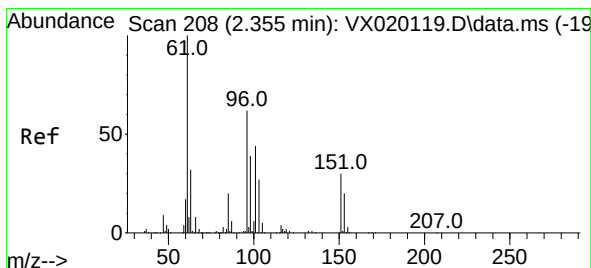
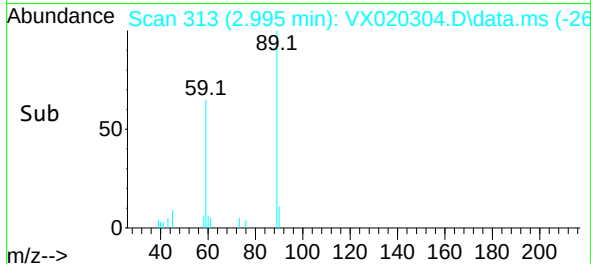
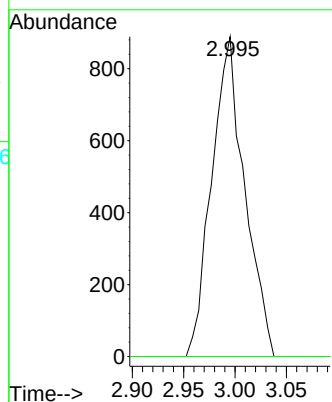
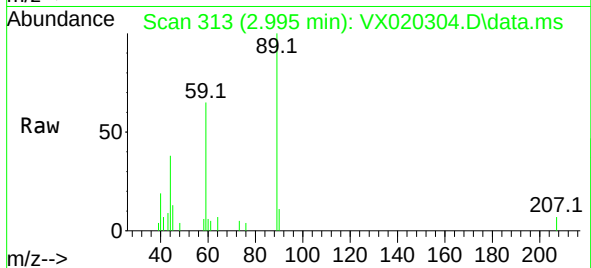


#11

Tert butyl alcohol
Concen: 2.19 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

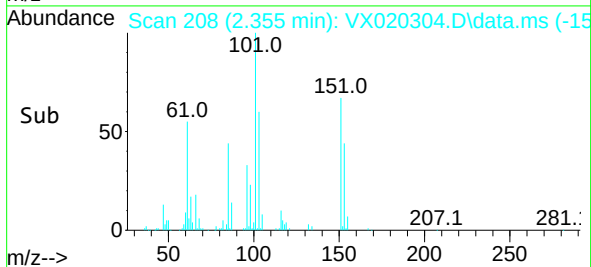
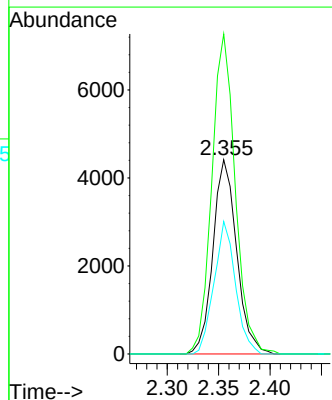
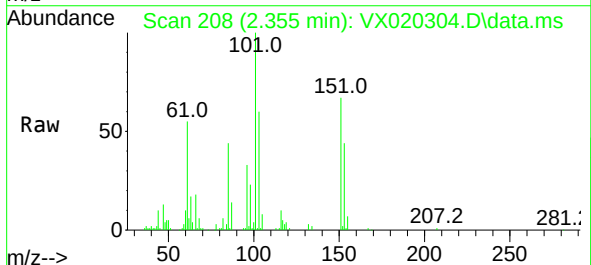
Tgt Ion: 59 Resp: 1980
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

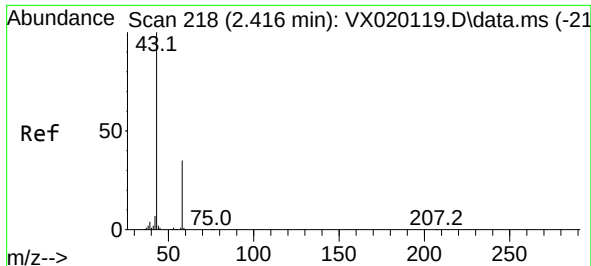


#12

1,1-Dichloroethene
Concen: 2.30 ug/l
RT: 2.355 min Scan# 208
Delta R.T. -0.000 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Tgt Ion: 96 Resp: 7081
Ion Ratio Lower Upper
96 100
61 164.7 124.6 187.0
98 68.2 50.6 76.0

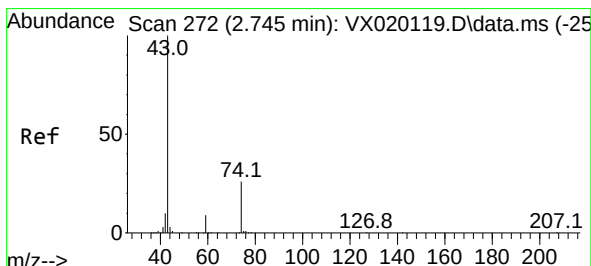
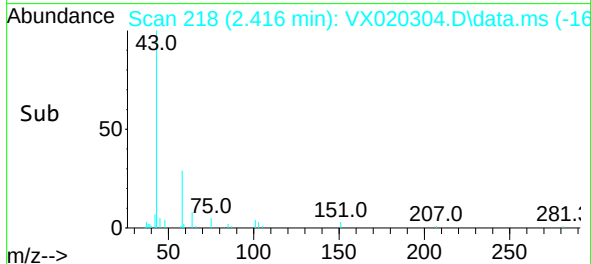
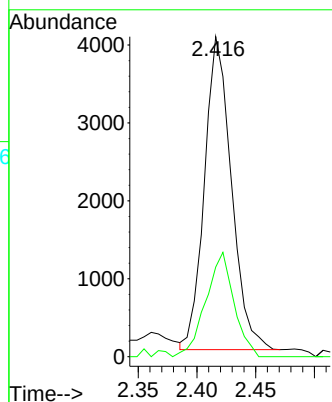
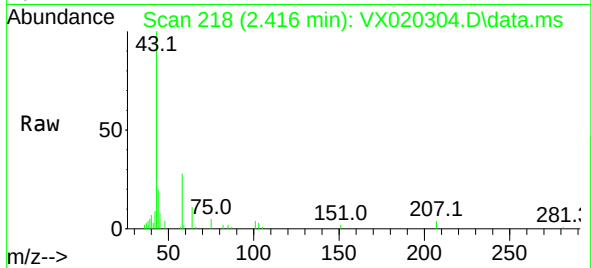




#16
Acetone
Concen: 3.48 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

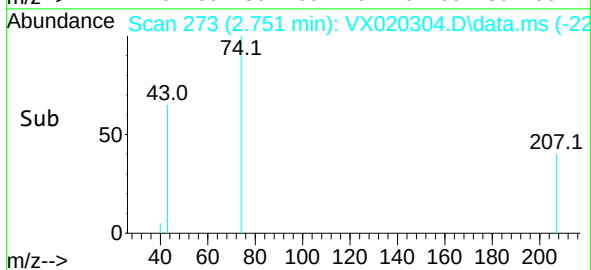
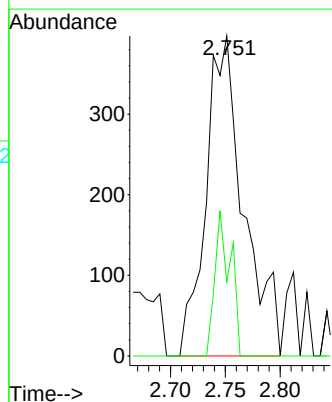
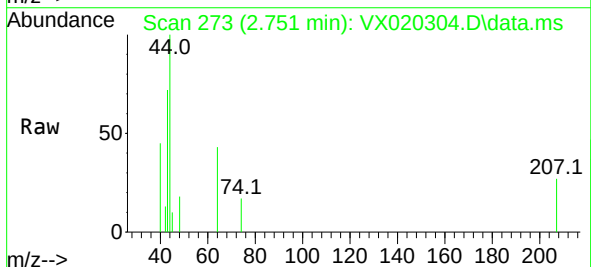
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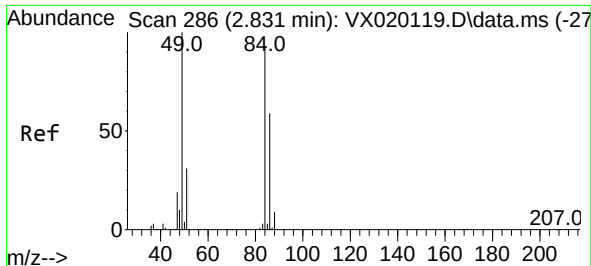
Tgt Ion: 43 Resp: 6409
Ion Ratio Lower Upper
43 100
58 28.7 27.8 41.8



#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
74 18.9 21.9 32.9#





#20

Methylene Chloride

Concen: 0.26 ug/l

RT: 2.830 min Scan# 286

Delta R.T. -0.001 min

Lab File: VX020304.D

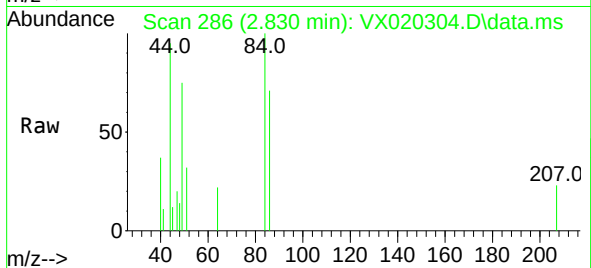
Acq: 22 Dec 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20201211



Tgt Ion: 84 Resp: 1068

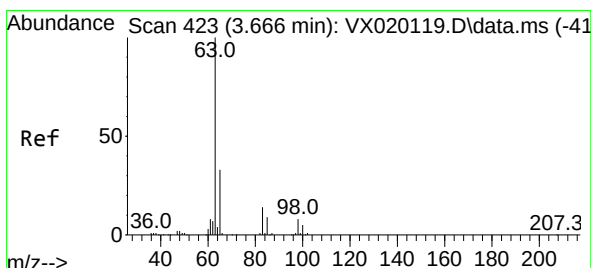
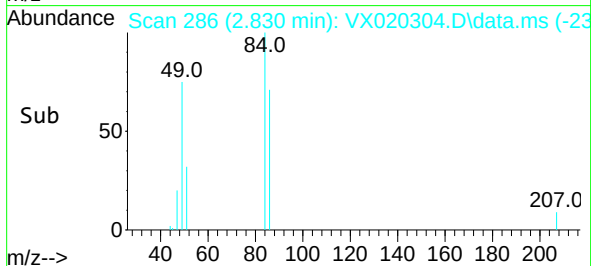
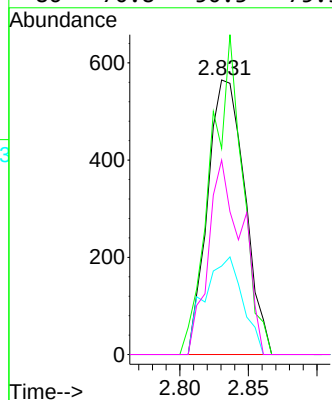
Ion Ratio Lower Upper

84 100

49 75.0 88.6 132.8#

51 32.2 27.0 40.6

86 70.8 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.73 ug/l

RT: 3.666 min Scan# 423

Delta R.T. -0.000 min

Lab File: VX020304.D

Acq: 22 Dec 2020 15:29

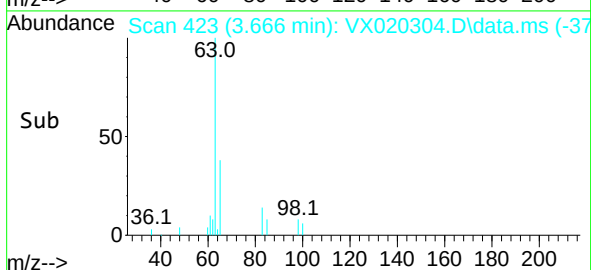
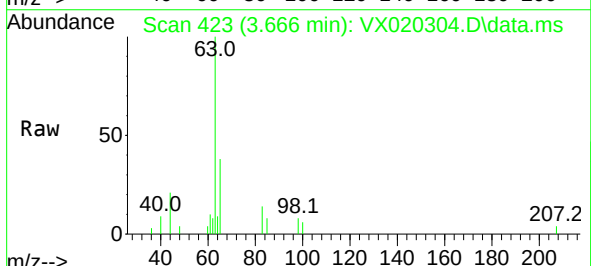
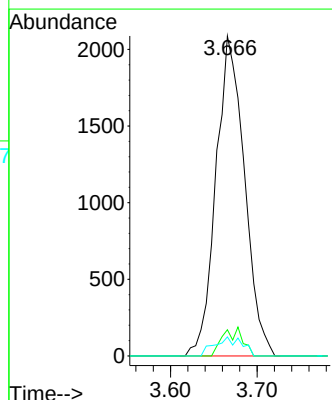
Tgt Ion: 63 Resp: 4775

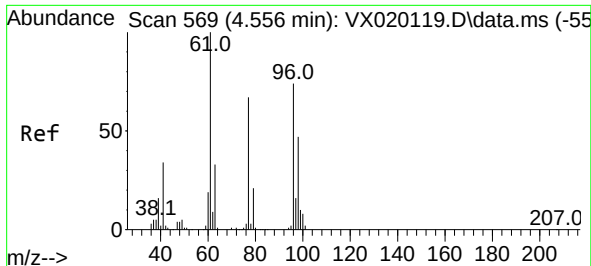
Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

100 5.9 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 2.92 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.000 min

Lab File: VX020304.D

Acq: 22 Dec 2020 15:29

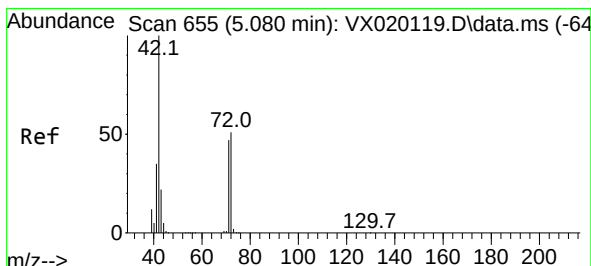
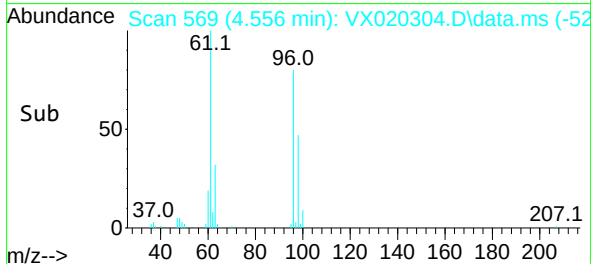
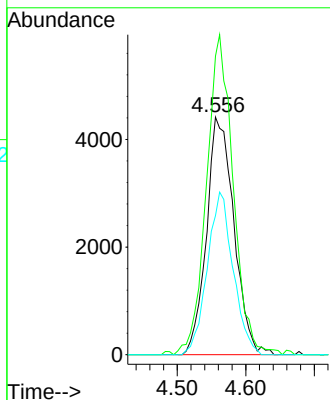
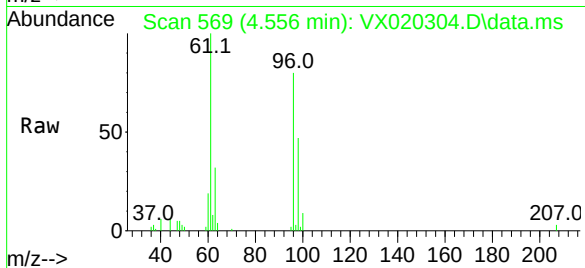
Instrument :

MSVOA_X

ClientSampleId :

TT101D-20201211

Tgt Ion:	96	Resp:	12277
Ion	Ratio	Lower	Upper
96	100		
61	131.2	0.0	285.6
98	64.3	0.0	129.6



#29

Tetrahydrofuran

Concen: 0.23 ug/l

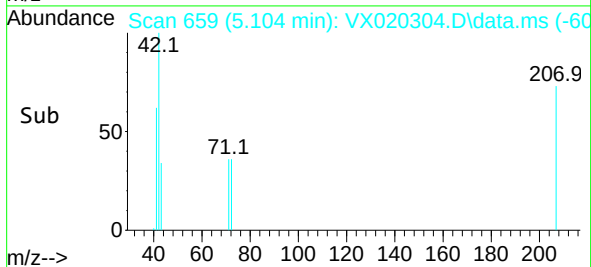
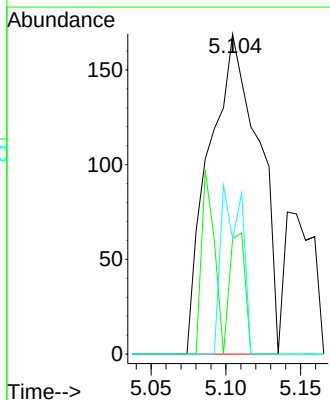
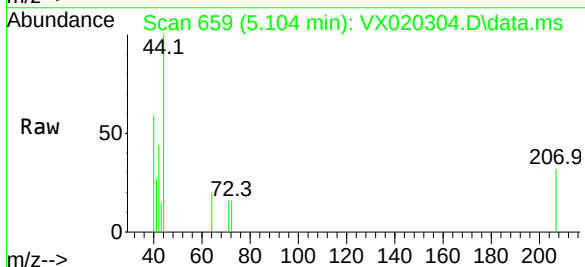
RT: 5.104 min Scan# 659

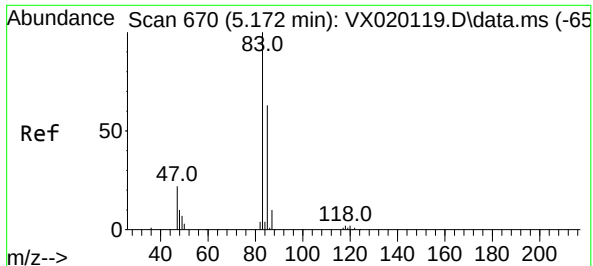
Delta R.T. 0.024 min

Lab File: VX020304.D

Acq: 22 Dec 2020 15:29

Tgt Ion:	42	Resp:	388
Ion	Ratio	Lower	Upper
42	100		
72	11.9	41.7	62.5#
71	22.2	38.4	57.6#





#30

Chloroform

Concen: 0.40 ug/l

RT: 5.178 min Scan# 671

Delta R.T. 0.006 min

Lab File: VX020304.D

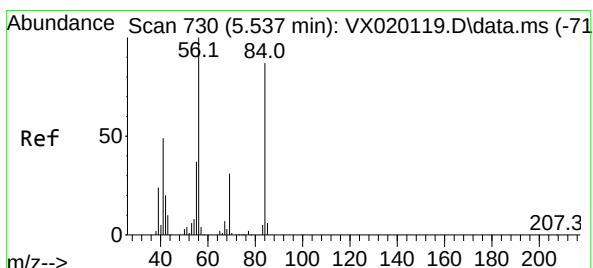
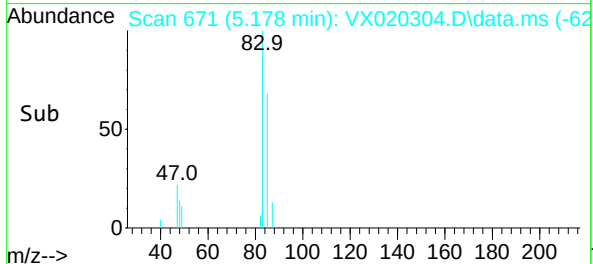
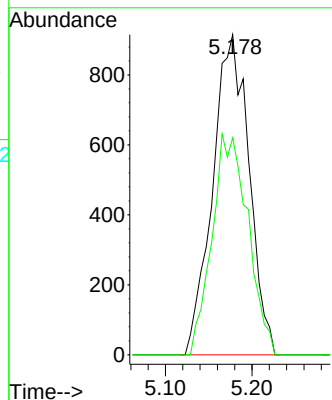
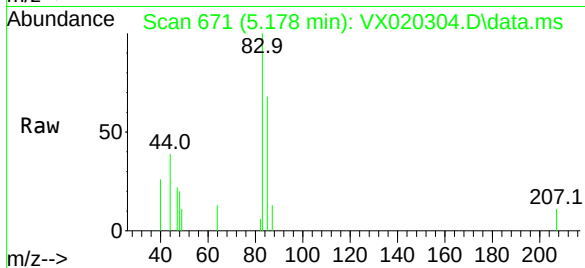
Acq: 22 Dec 2020 15:29

Tgt Ion: 83 Resp: 2664

Ion Ratio Lower Upper

83 100

85 67.8 52.0 78.0



#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.623 min Scan# 744

Delta R.T. 0.086 min

Lab File: VX020304.D

Acq: 22 Dec 2020 15:29

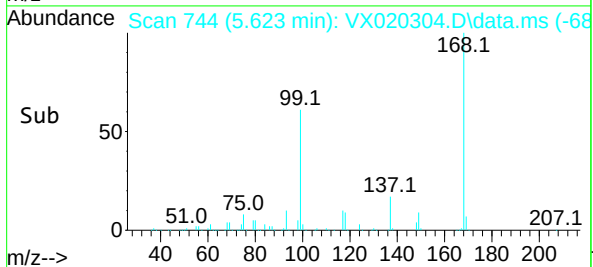
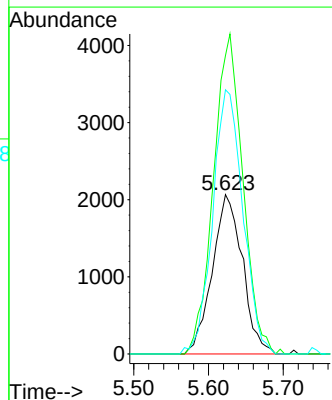
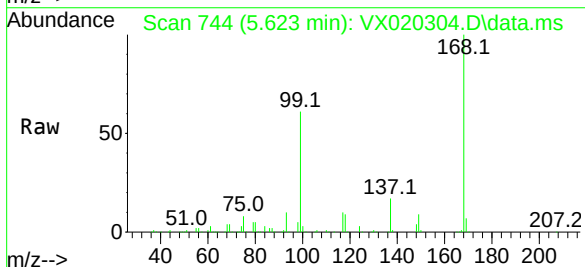
Tgt Ion: 56 Resp: 5800

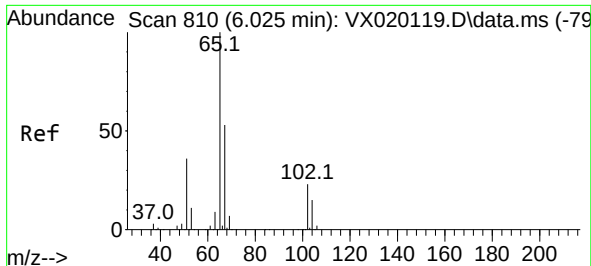
Ion Ratio Lower Upper

56 100

69 187.2 25.3 37.9#

84 165.7 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.13 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020304.D

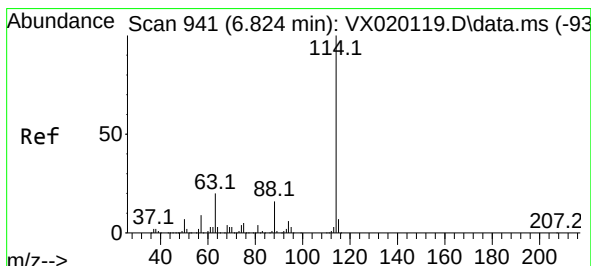
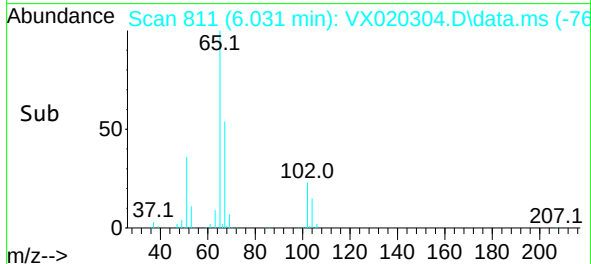
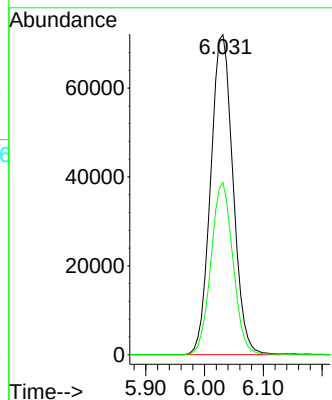
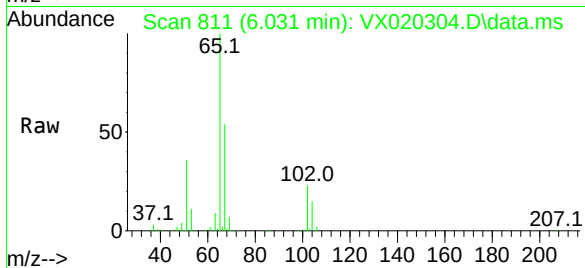
Acq: 22 Dec 2020 15:29

Tgt Ion: 65 Resp: 190116

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020304.D

Acq: 22 Dec 2020 15:29

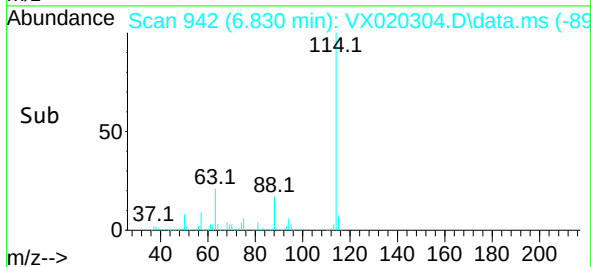
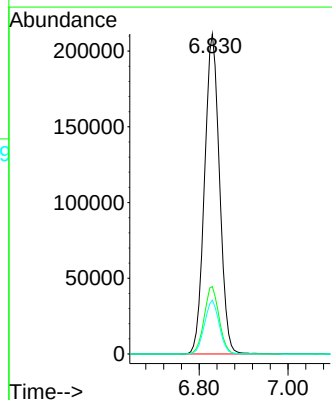
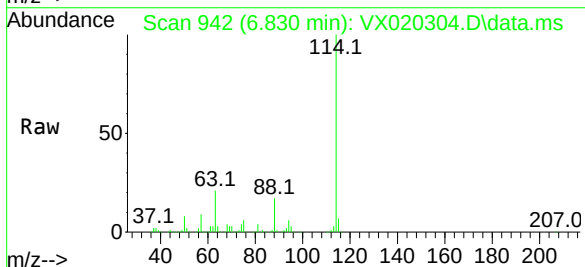
Tgt Ion: 114 Resp: 496012

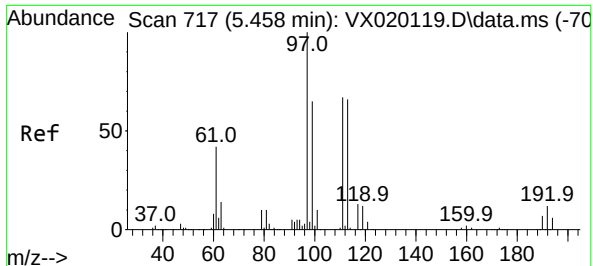
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 16.8 0.0 32.8

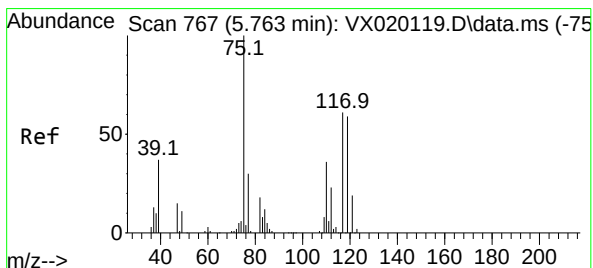
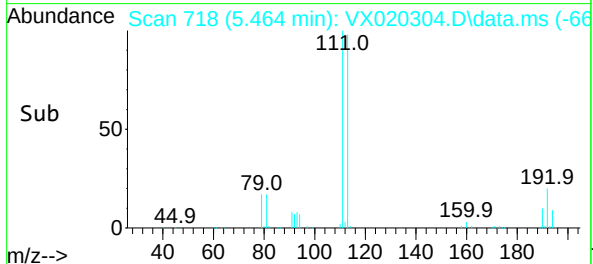
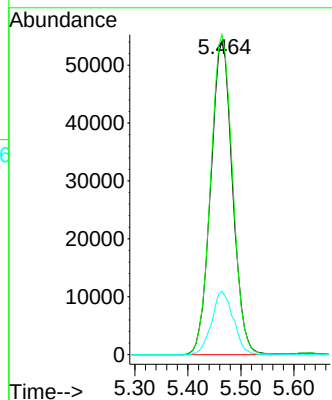
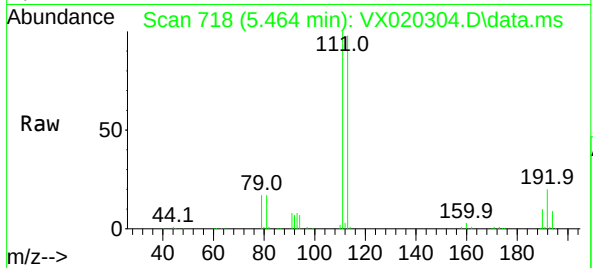




#35
Dibromofluoromethane
Concen: 48.70 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

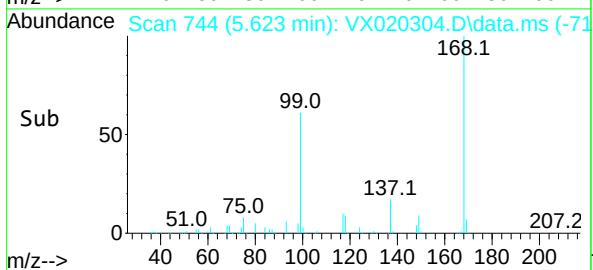
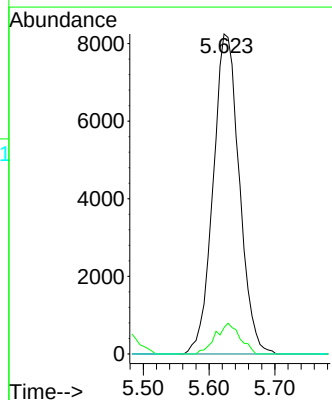
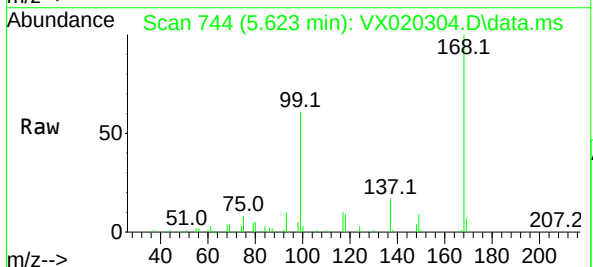
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

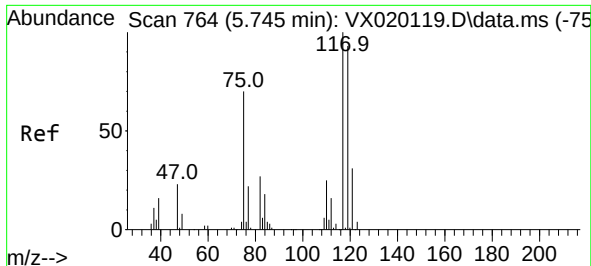
Tgt Ion:113 Resp: 154520
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

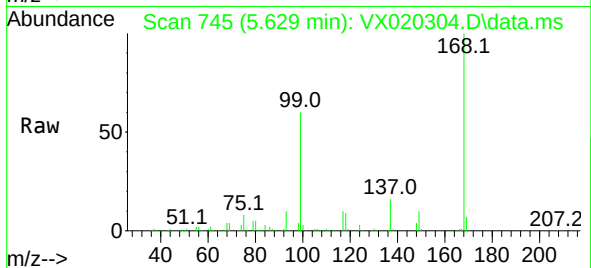
Tgt Ion: 75 Resp: 22827
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



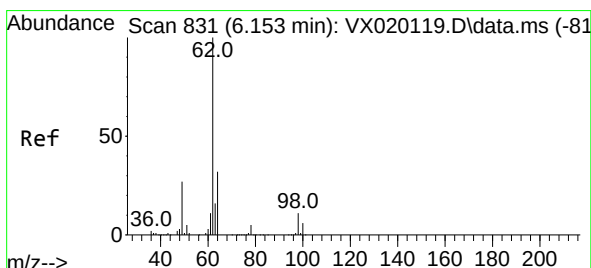
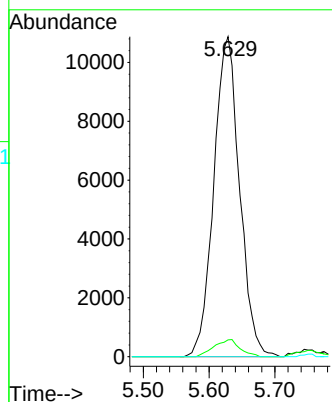
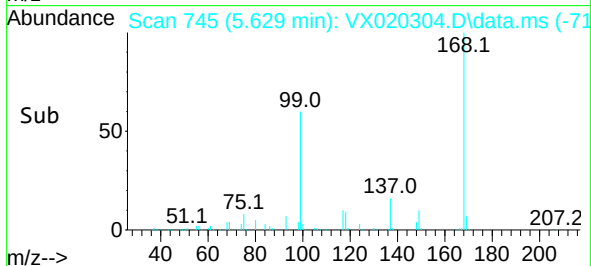


#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

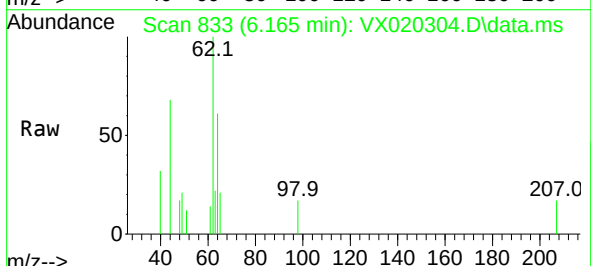
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211



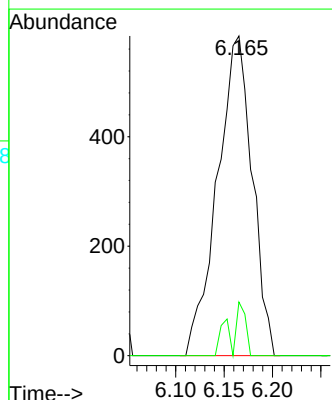
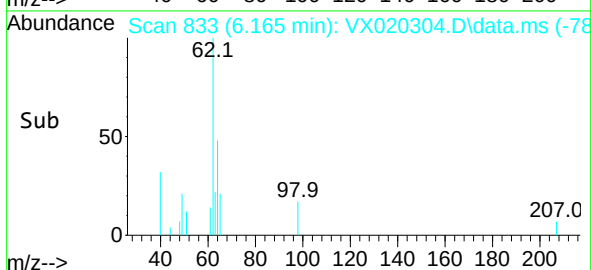
Tgt Ion:117 Resp: 29658
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#

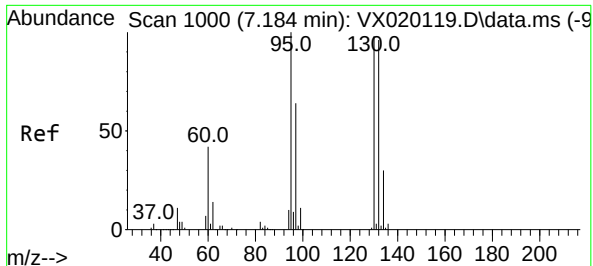


#42
1,2-Dichloroethane
Concen: 0.28 ug/l
RT: 6.165 min Scan# 833
Delta R.T. 0.012 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29



Tgt Ion: 62 Resp: 1460
Ion Ratio Lower Upper
62 100
98 4.4 0.0 20.2

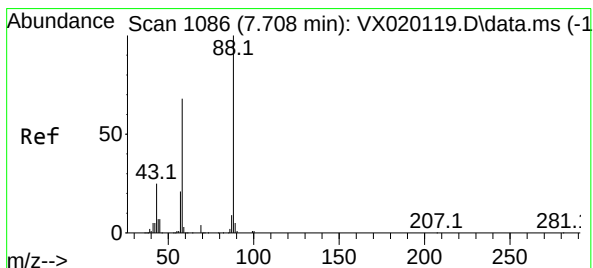
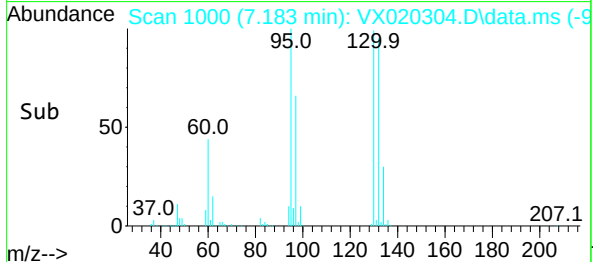
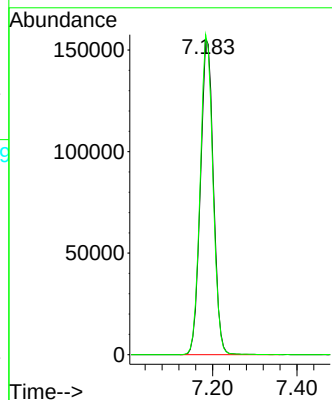
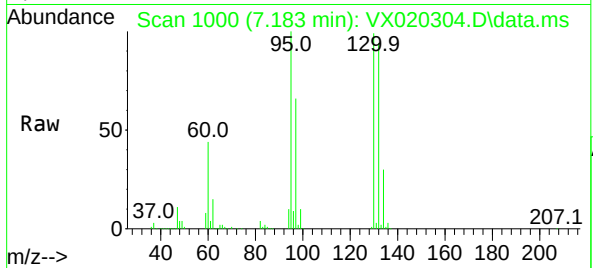




#44
Trichloroethene
Concen: 84.29 ug/l
RT: 7.183 min Scan# 1000
Delta R.T. -0.001 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

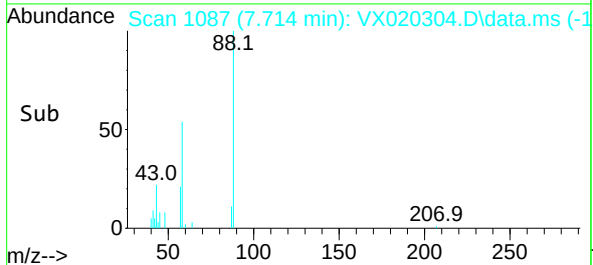
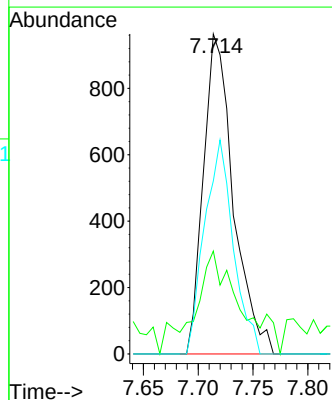
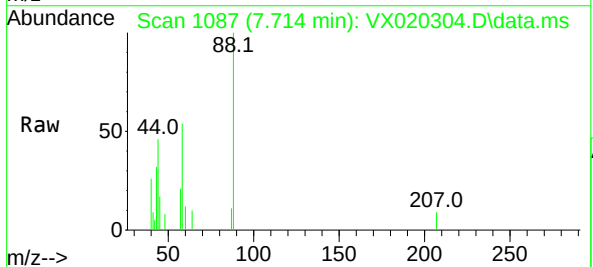
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

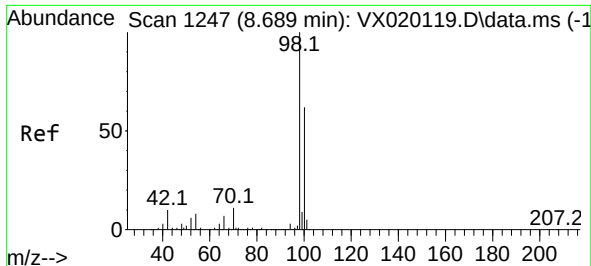
Tgt Ion:130 Resp: 332502
Ion Ratio Lower Upper
130 100
95 101.2 0.0 198.0



#49
1,4-Dioxane
Concen: 19.81 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Tgt Ion: 88 Resp: 1828
Ion Ratio Lower Upper
88 100
43 44.1 23.2 34.8#
58 64.3 55.0 82.4

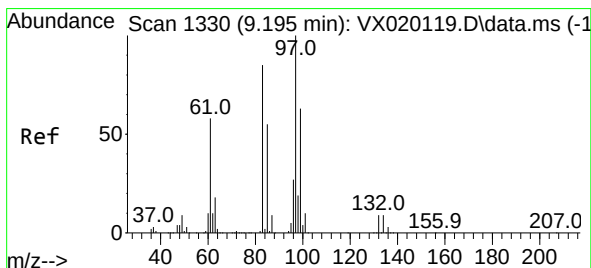
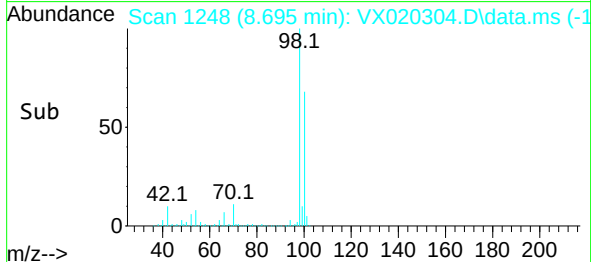
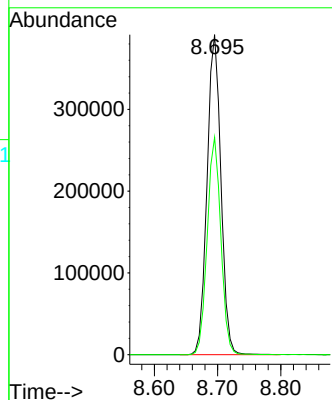
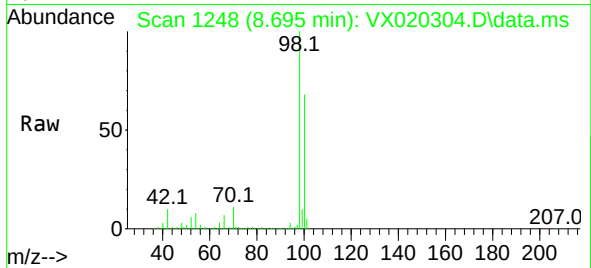




#50
Toluene-d8
Concen: 48.88 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

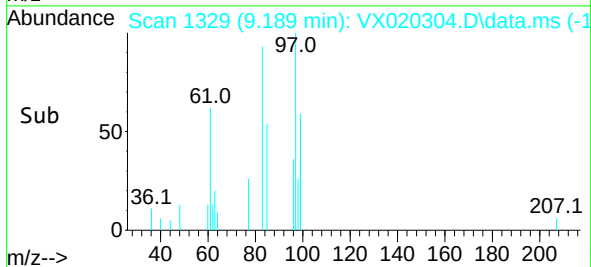
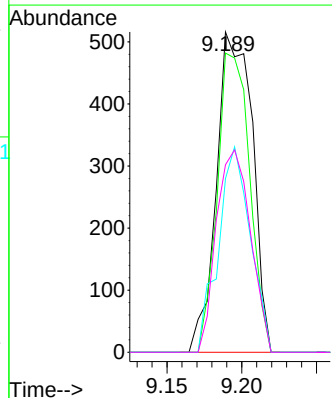
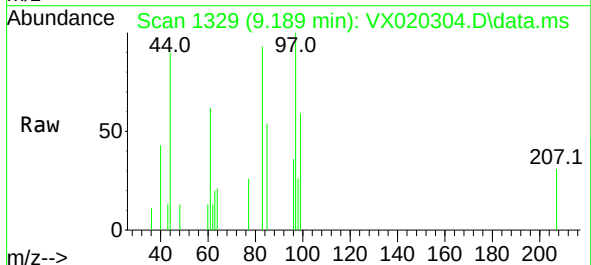
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

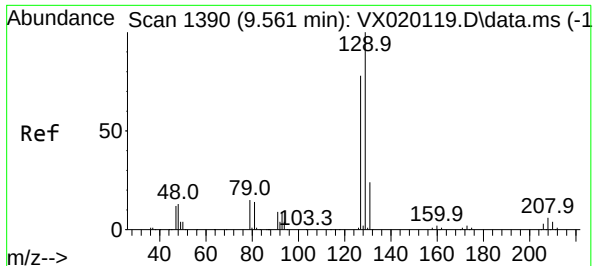
Tgt Ion: 98 Resp: 597052
Ion Ratio Lower Upper
98 100
100 66.7 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.22 ug/l
RT: 9.189 min Scan# 1329
Delta R.T. -0.006 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Tgt Ion: 97 Resp: 857
Ion Ratio Lower Upper
97 100
83 93.4 69.3 103.9
85 54.3 44.3 66.5
99 58.5 50.3 75.5

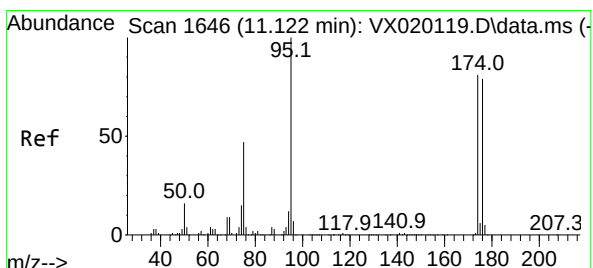
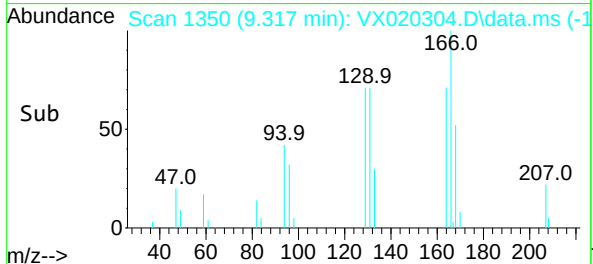
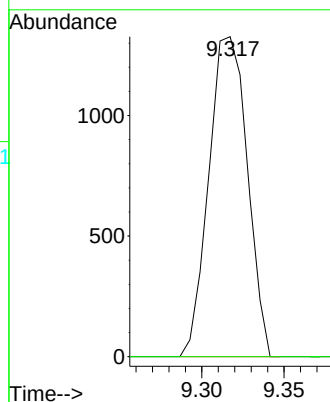
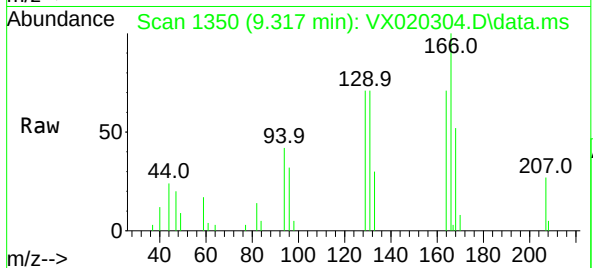




#60
Dibromochloromethane
Concen: 0.57 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

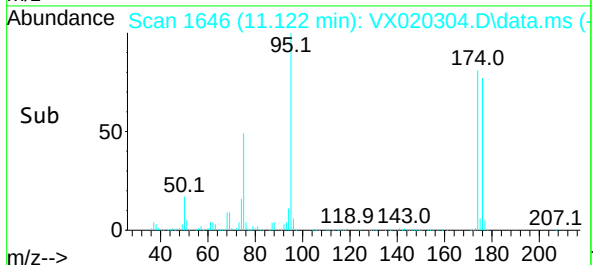
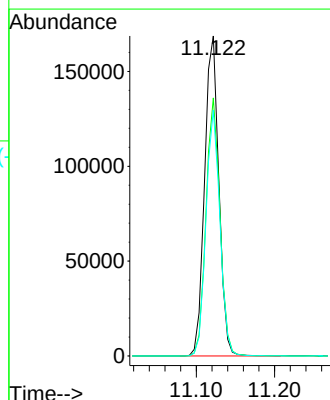
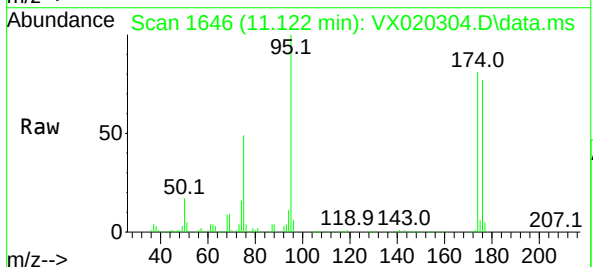
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

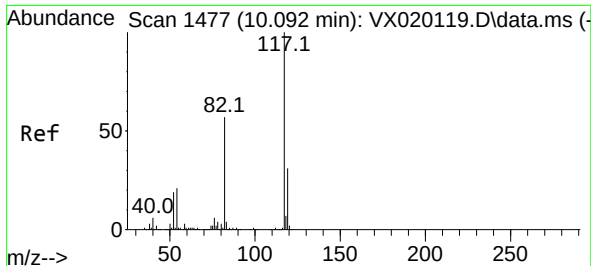
Tgt Ion:129 Resp: 2166
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.47 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Tgt Ion: 95 Resp: 212558
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.6
176 75.0 0.0 155.8

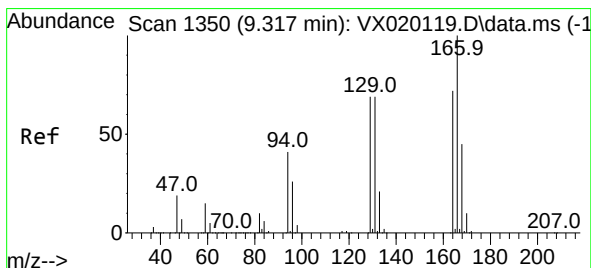
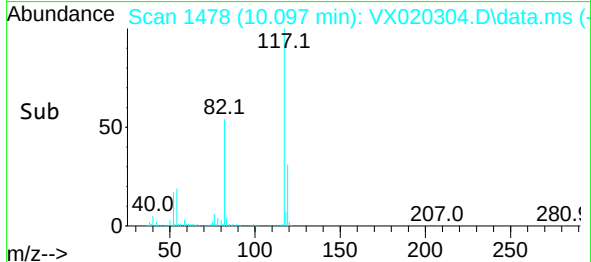
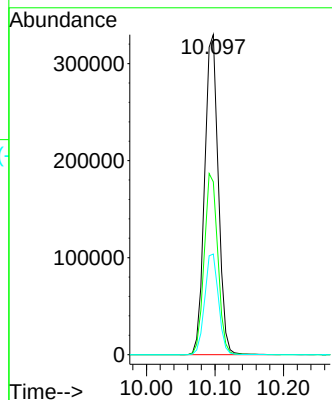
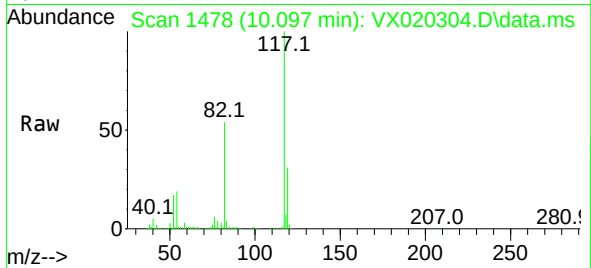




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

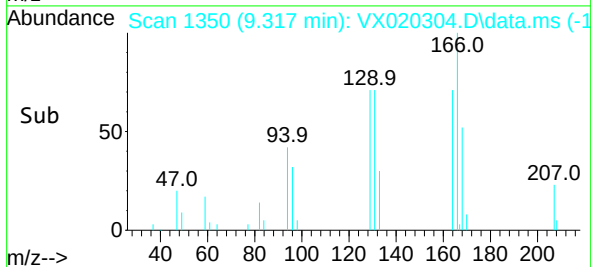
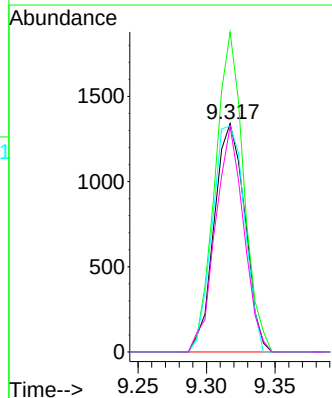
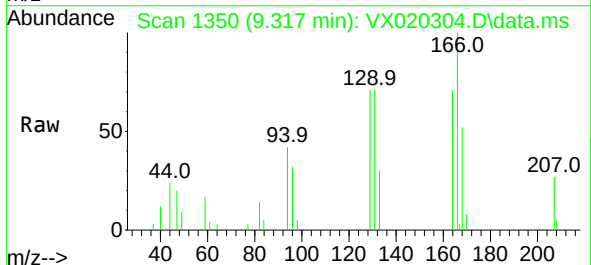
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

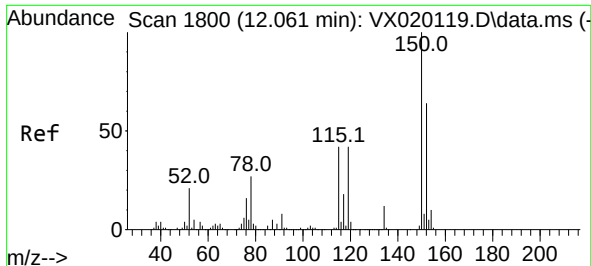
Tgt Ion:117	Resp:	458821
Ion	Ratio	Lower Upper
117	100	
82	54.0	47.4 71.2
119	31.4	26.6 39.8



#64
Tetrachloroethene
Concen: 0.60 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

Tgt Ion:164	Resp:	2080
Ion	Ratio	Lower Upper
164	100	
166	140.0	103.4 155.2
129	99.0	70.8 106.2
131	98.7	72.5 108.7

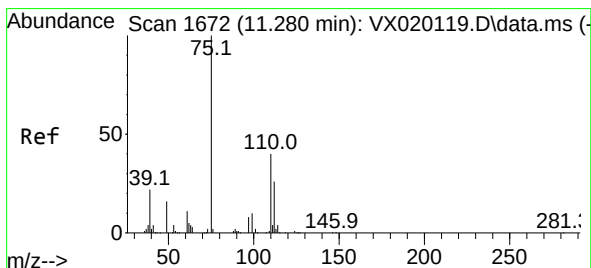
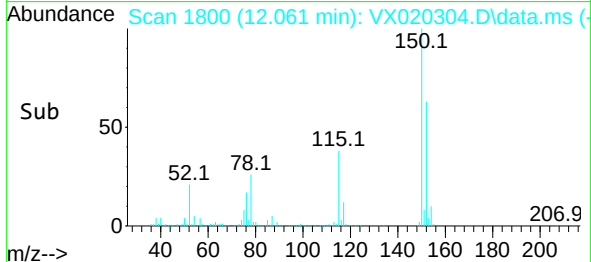
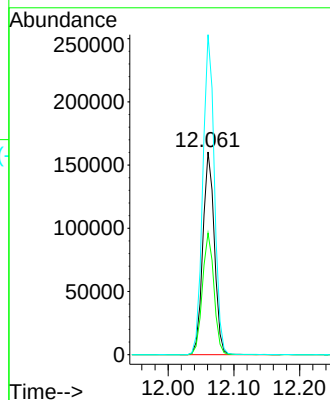
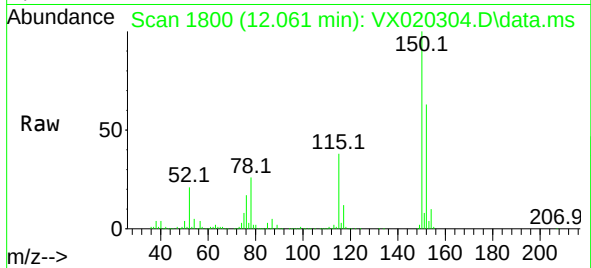




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

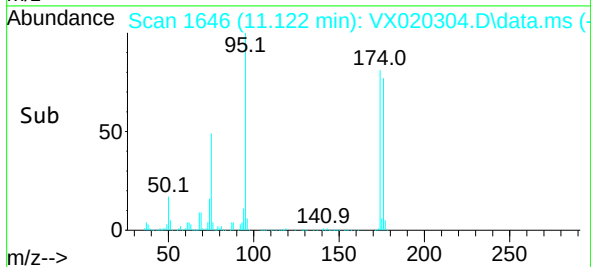
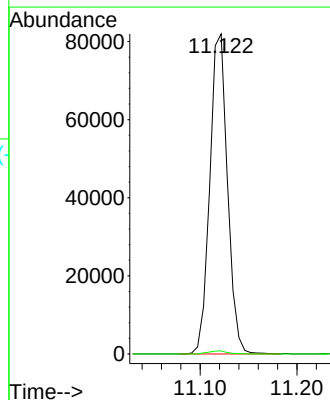
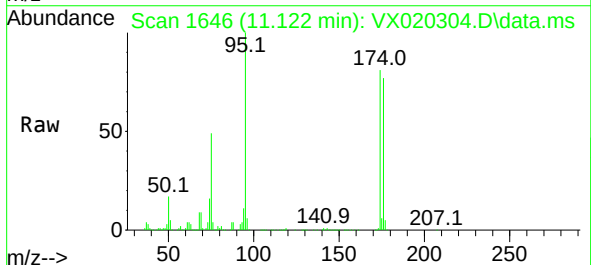
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20201211

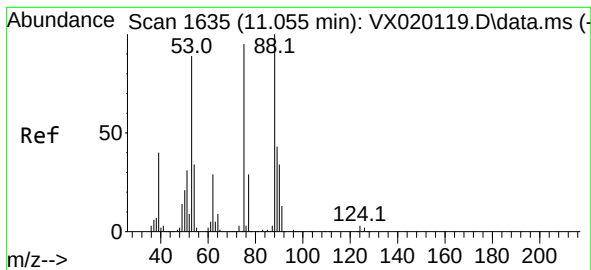
Tgt Ion:152 Resp: 195360
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 158.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.68 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020304.D
Acq: 22 Dec 2020 15:29

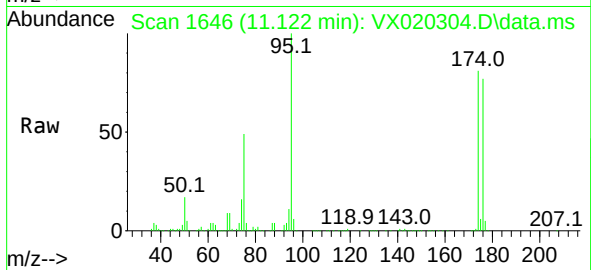
Tgt Ion: 75 Resp: 104329
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.32 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020304.D
 Acq: 22 Dec 2020 15:29

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20201211



Tgt Ion: 75 Resp: 104329
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

