

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020302.D
 Acq On : 22 Dec 2020 14:43
 Operator : JC/MD
 Sample : L5123-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20201211

Quant Time: Dec 23 00:30:48 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

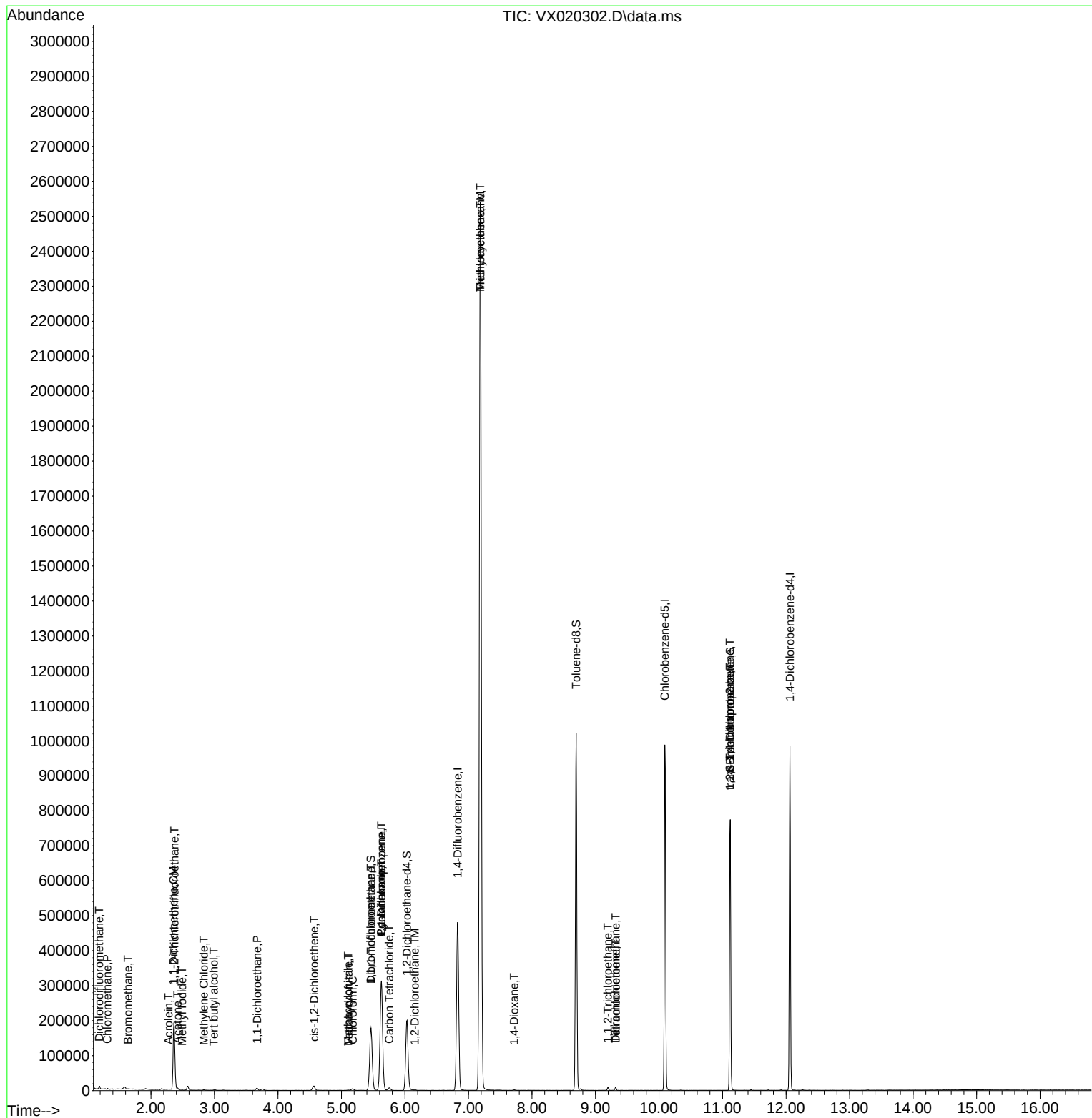
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	301436	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	499553	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	457796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	202014	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	191027	47.28	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.56%
35) Dibromofluoromethane	5.464	113	154751	48.43	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.86%
50) Toluene-d8	8.696	98	601322	48.88	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.76%
62) 4-Bromofluorobenzene	11.122	95	217423	46.18	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.36%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	2970	0.91	ug/l	100
3) Chloromethane	1.313	50	1178	0.31	ug/l #	84
5) Bromomethane	1.636	94	467	0.35	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.367	101	58850	19.56	ug/l	98
10) Methyl Iodide	2.489	142	237	3.34	ug/l #	90
11) Tert butyl alcohol	2.989	59	721	0.80	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	23831	7.74	ug/l	98
13) Acrolein	2.276	56	116	0.21	ug/l #	1
16) Acetone	2.416	43	5390	2.93	ug/l	94
20) Methylene Chloride	2.831	84	870	0.21	ug/l #	83
24) 1,1-Dichloroethane	3.672	63	7619	1.16	ug/l	98
27) cis-1,2-Dichloroethene	4.568	96	8154	1.93	ug/l	93
29) Tetrahydrofuran	5.111	42	829	0.49	ug/l #	56
30) Chloroform	5.178	83	5427	0.81	ug/l	90
31) Cyclohexane	5.629	56	5812	1.04	ug/l #	1
32) 1,1,1-Trichloroethane	5.464	97	2848	0.51	ug/l #	50
36) 1,1-Dichloropropene	5.629	75	23203	4.70	ug/l #	49
38) Carbon Tetrachloride	5.751	117	6387	1.36	ug/l	96
39) Methylcyclohexane	7.184	83	11751	2.06	ug/l #	1
41) Methacrylonitrile	5.105	41	598	0.22	ug/l #	35
42) 1,2-Dichloroethane	6.153	62	1357	0.26	ug/l	84
44) Trichloroethene	7.184	130	994656	250.37	ug/l	96
49) 1,4-Dioxane	7.720	88	1722	18.53	ug/l #	92
55) 1,1,2-Trichloroethane	9.195	97	2132	0.55	ug/l	91
60) Dibromochloromethane	9.317	129	1487	0.39	ug/l #	11
64) Tetrachloroethene	9.317	164	1651	0.48	ug/l	91
76) 1,2,3-Trichloropropane	11.116	75	107137	21.53	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	107137	63.88	ug/l #	12

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

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TT101D1-20201211

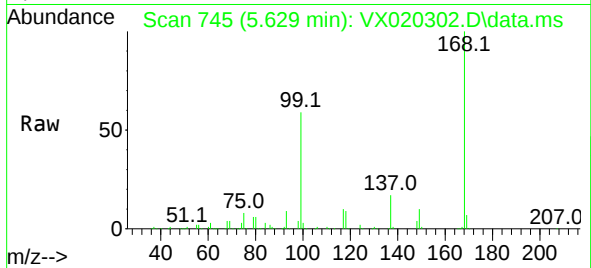
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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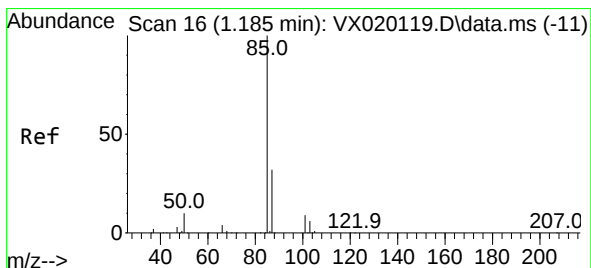
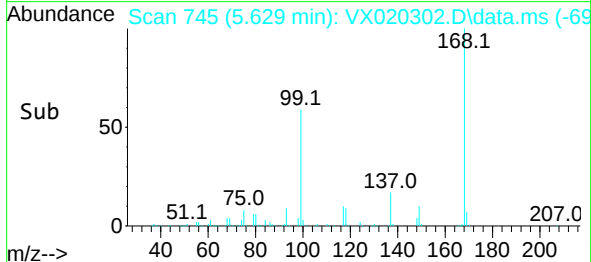
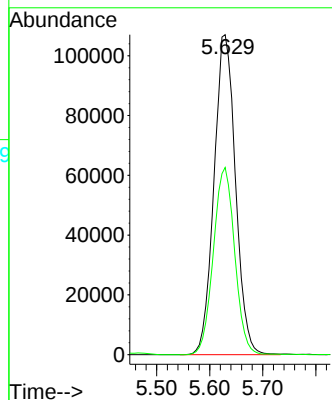


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

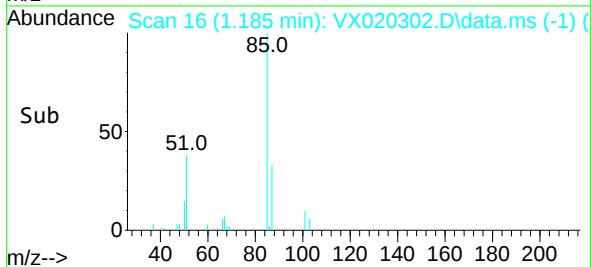
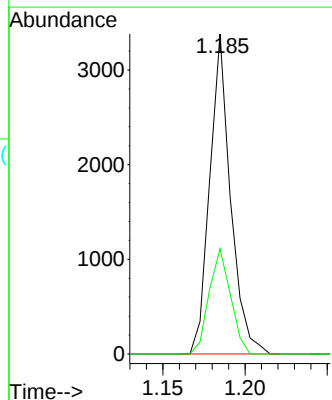
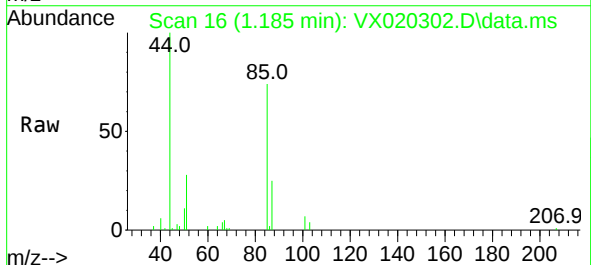


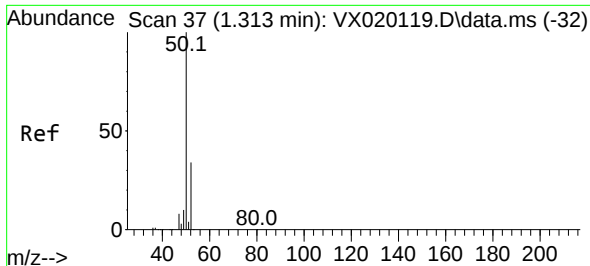
Tgt Ion:168 Resp: 301436
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.91 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion: 85 Resp: 2970
Ion Ratio Lower Upper
85 100
87 32.9 16.4 49.2

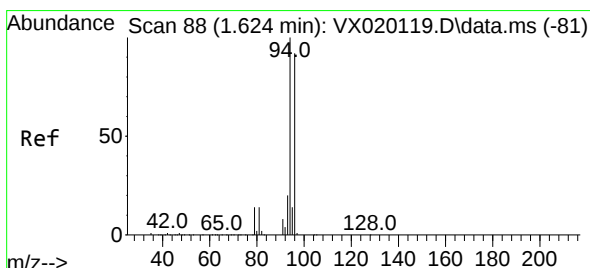
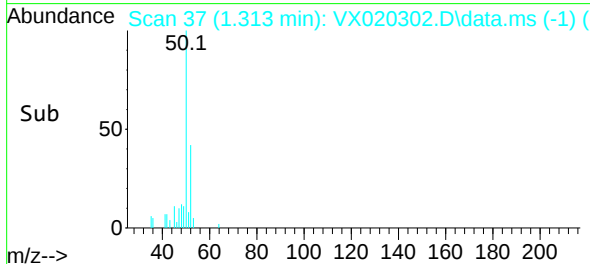
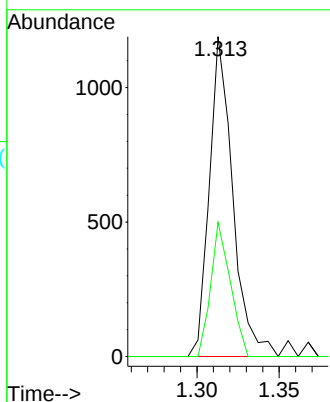
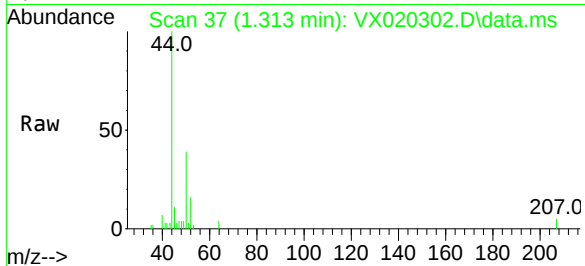




#3
Chloromethane
Concen: 0.31 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

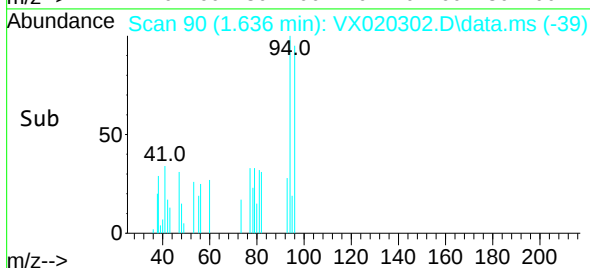
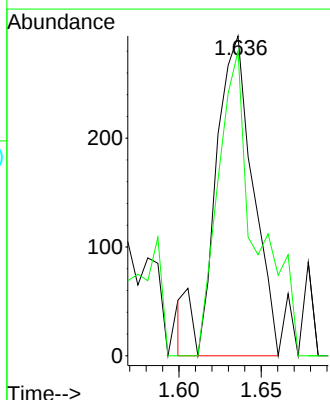
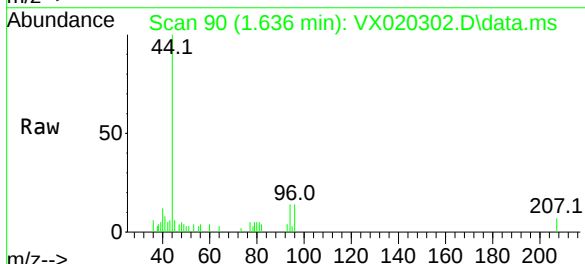
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

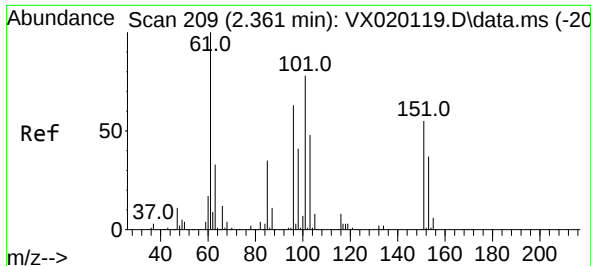
Tgt Ion: 50 Resp: 1178
Ion Ratio Lower Upper
50 100
52 42.0 26.4 39.6#



#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 95.2 76.4 114.6

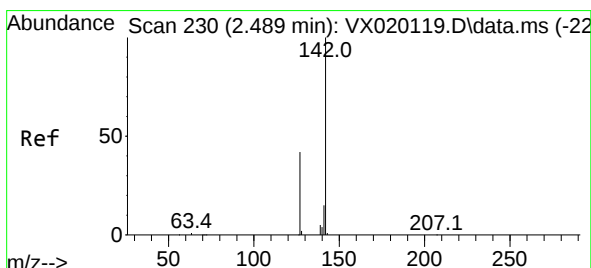
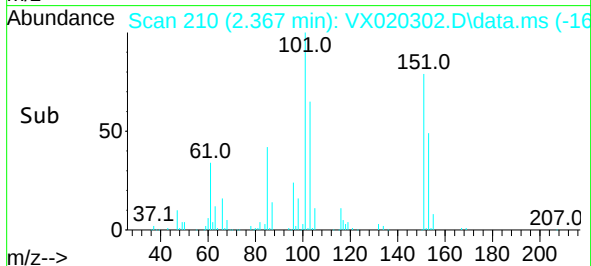
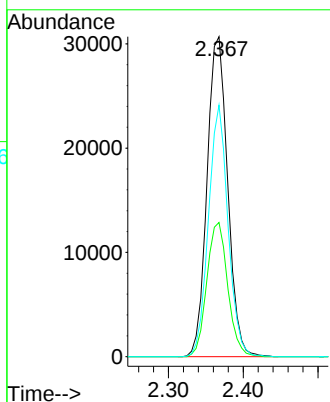
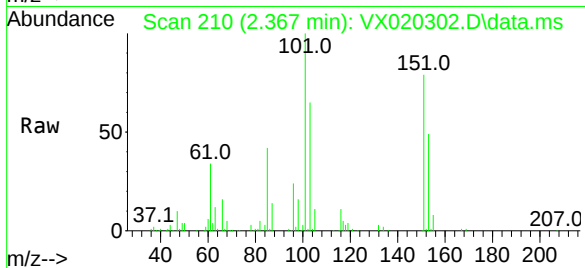




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.56 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

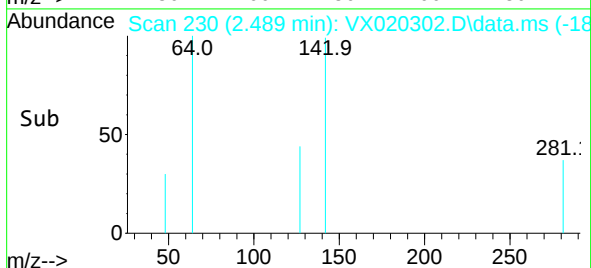
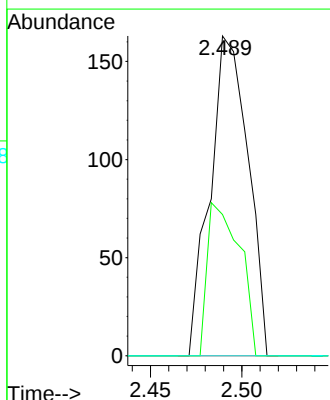
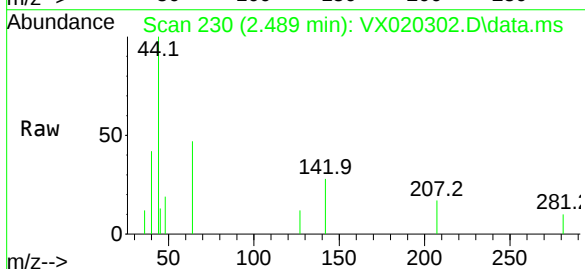
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

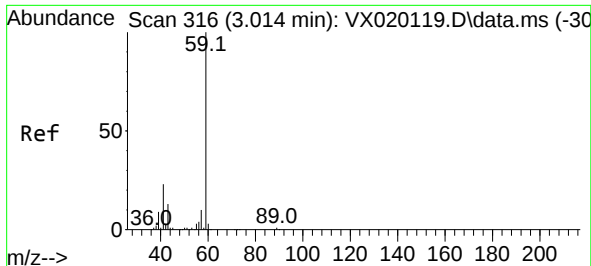
Tgt Ion:101 Resp: 58850
Ion Ratio Lower Upper
101 100
85 42.5 34.9 52.3
151 74.8 61.4 92.2



#10
Methyl Iodide
Concen: 3.34 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion:142 Resp: 237
Ion Ratio Lower Upper
142 100
127 40.5 33.3 49.9
141 0.0 11.4 17.0#



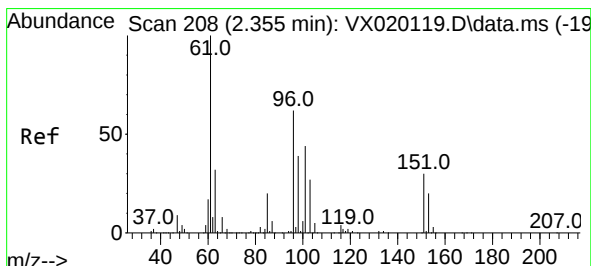
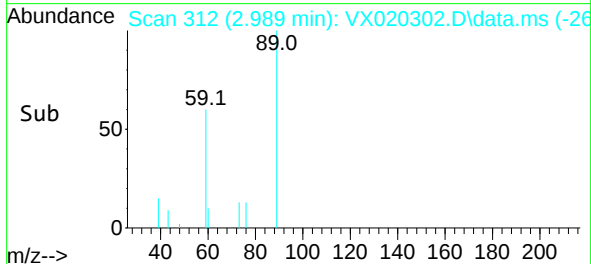
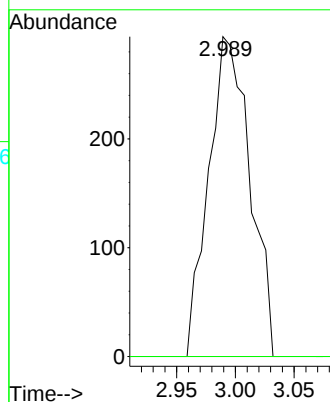
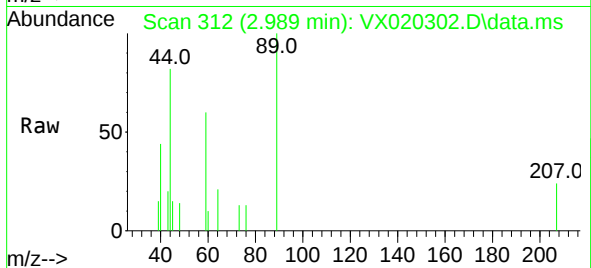


#11

Tert butyl alcohol
Concen: 0.80 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

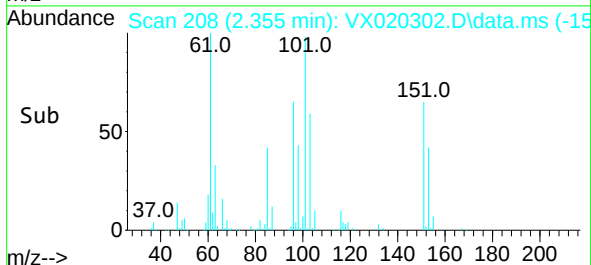
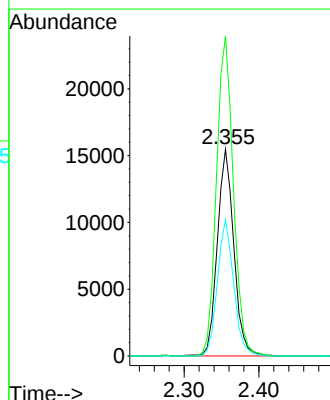
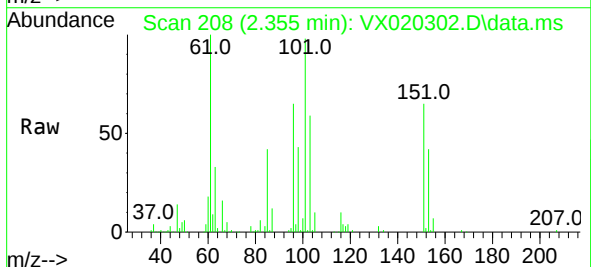
Tgt Ion: 59 Resp: 721
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

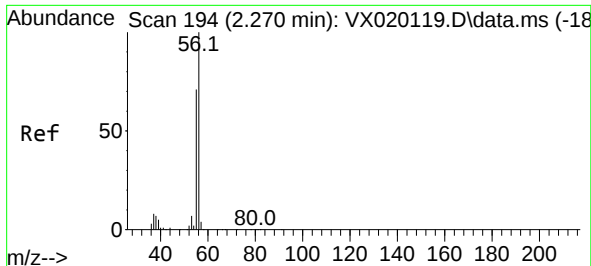


#12

1,1-Dichloroethene
Concen: 7.74 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion: 96 Resp: 23831
Ion Ratio Lower Upper
96 100
61 154.8 124.6 187.0
98 66.0 50.6 76.0

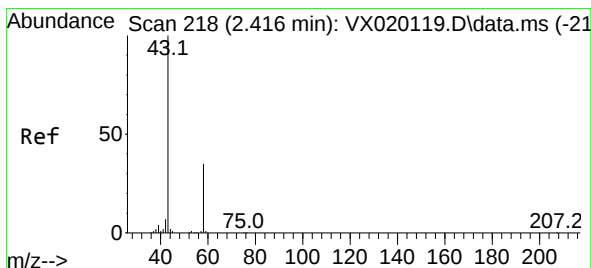
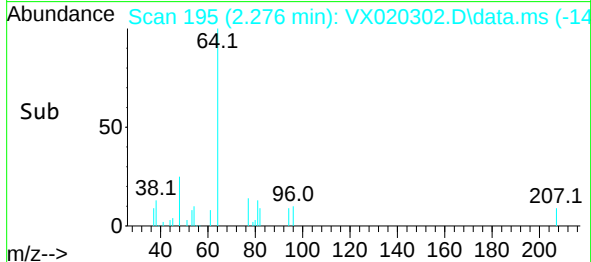
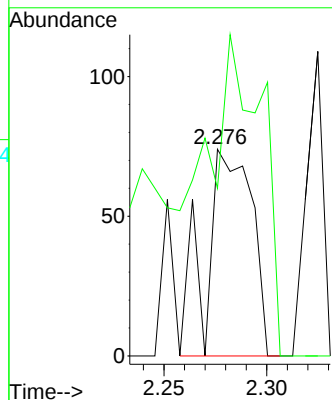
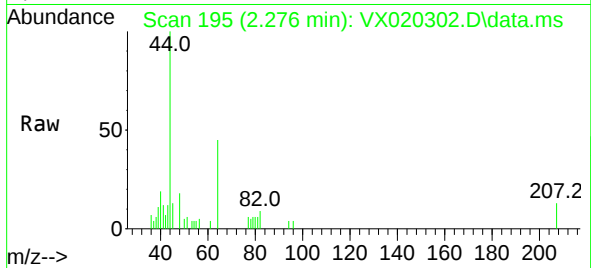




#13
Acrolein
Concen: 0.21 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

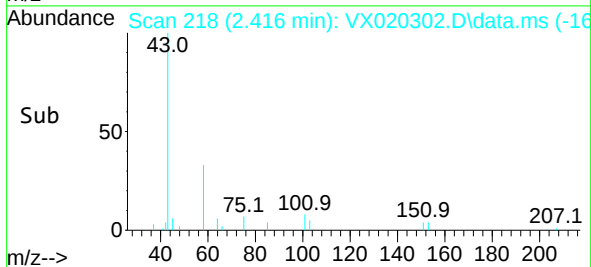
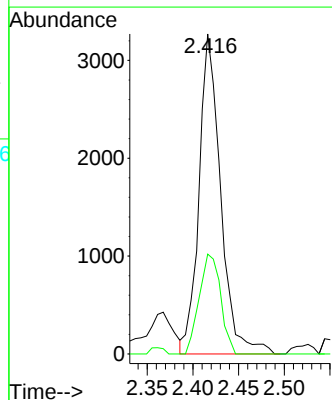
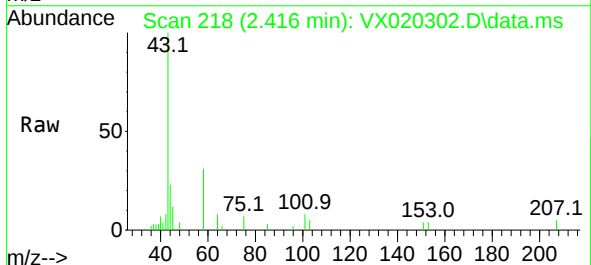
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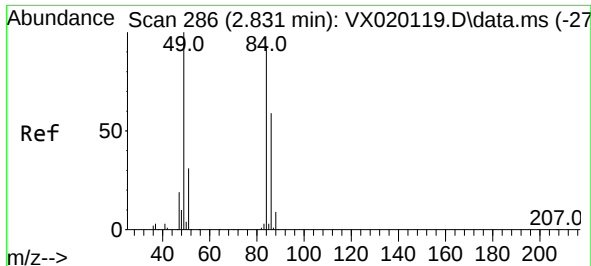
Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 185.3 56.4 84.6#



#16
Acetone
Concen: 2.93 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

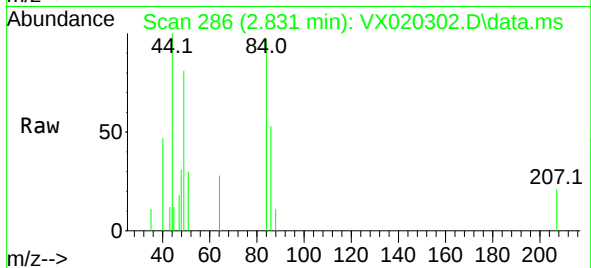
Tgt Ion: 43 Resp: 5390
Ion Ratio Lower Upper
43 100
58 31.2 27.8 41.8



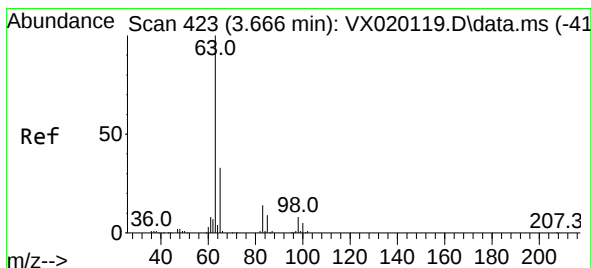
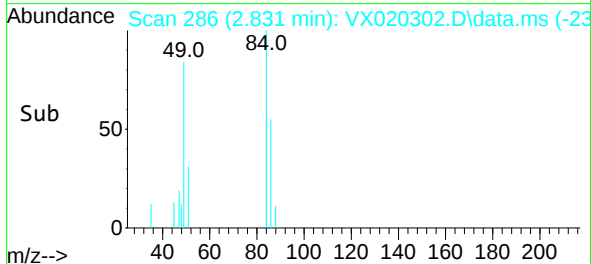
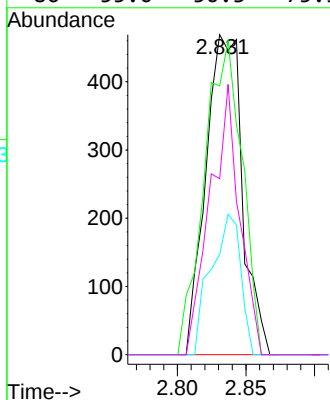


#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

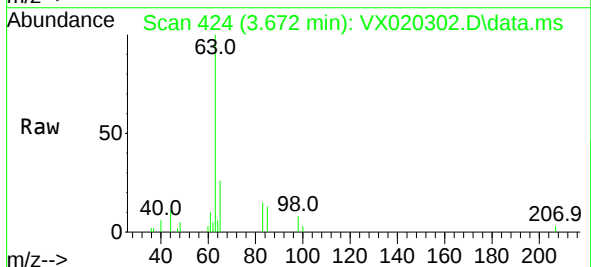
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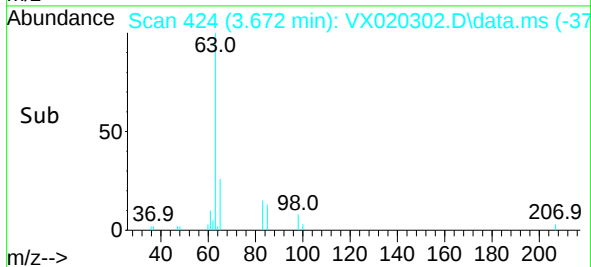
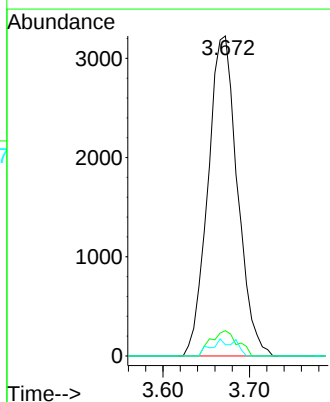
Tgt Ion:	84	Resp:	870
Ion	Ratio	Lower	Upper
84	100		
49	84.0	88.6	132.8#
51	31.3	27.0	40.6
86	55.0	50.3	75.5

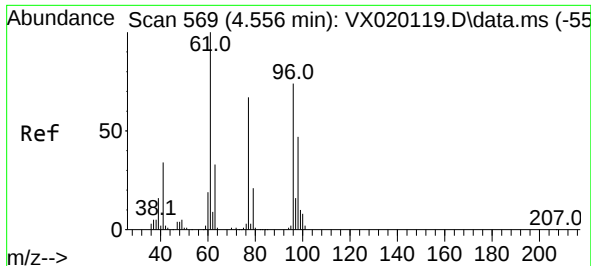


#24
1,1-Dichloroethane
Concen: 1.16 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43



Tgt Ion:	63	Resp:	7619
Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.8	11.2
100	3.5	2.5	7.5





#27

cis-1,2-Dichloroethene

Concen: 1.93 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX020302.D

Acq: 22 Dec 2020 14:43

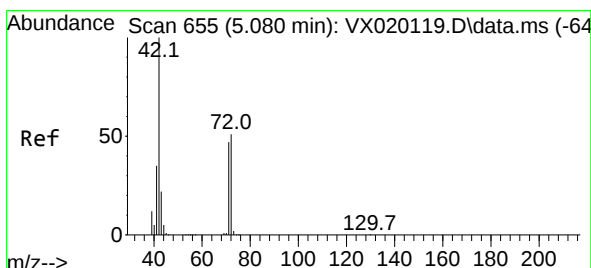
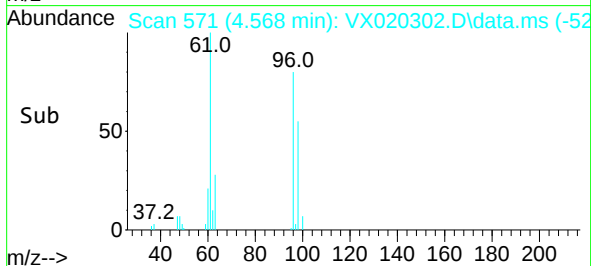
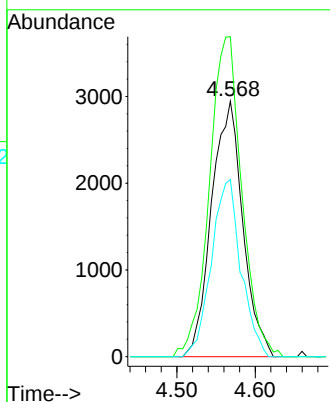
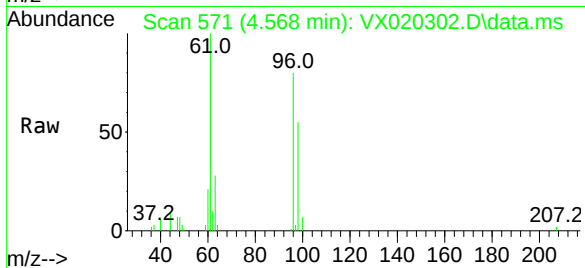
Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20201211

Tgt Ion: 96	Resp: 8154
Ion Ratio	Lower Upper
96 100	
61 130.3	0.0 285.6
98 65.7	0.0 129.6



#29

Tetrahydrofuran

Concen: 0.49 ug/l

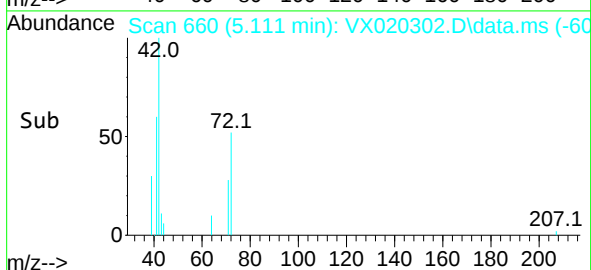
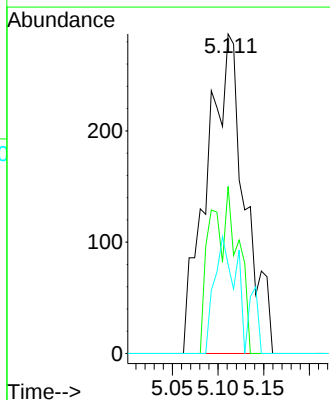
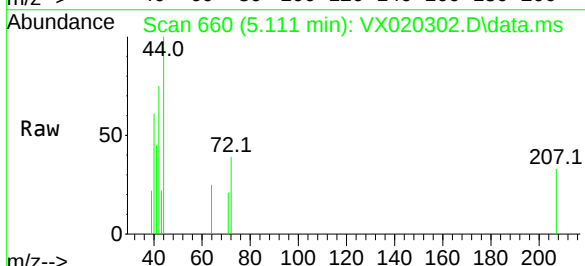
RT: 5.111 min Scan# 660

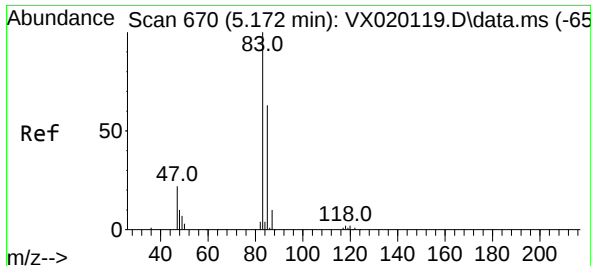
Delta R.T. 0.031 min

Lab File: VX020302.D

Acq: 22 Dec 2020 14:43

Tgt Ion: 42	Resp: 829
Ion Ratio	Lower Upper
42 100	
72 19.2	41.7 62.5#
71 20.5	38.4 57.6#





#30

Chloroform

Concen: 0.81 ug/l

RT: 5.178 min Scan# 671

Delta R.T. 0.006 min

Lab File: VX020302.D

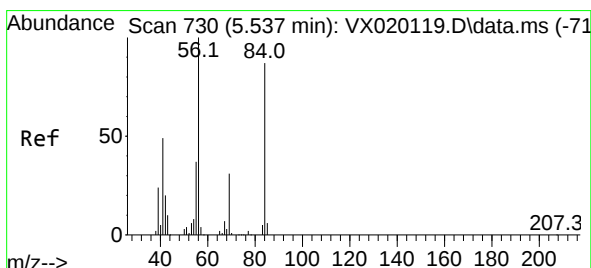
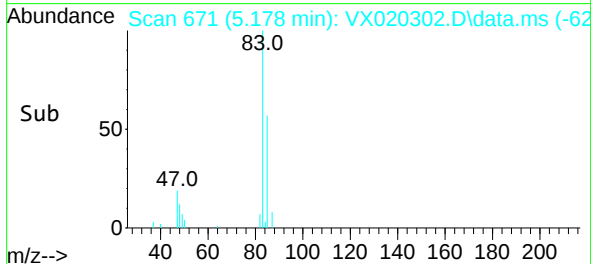
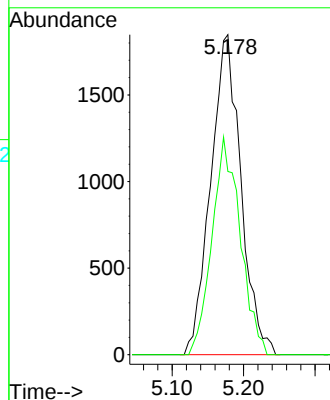
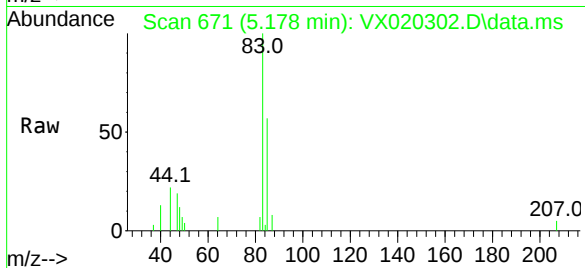
Acq: 22 Dec 2020 14:43

Tgt Ion: 83 Resp: 5427

Ion Ratio Lower Upper

83 100

85 57.3 52.0 78.0



#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.629 min Scan# 745

Delta R.T. 0.092 min

Lab File: VX020302.D

Acq: 22 Dec 2020 14:43

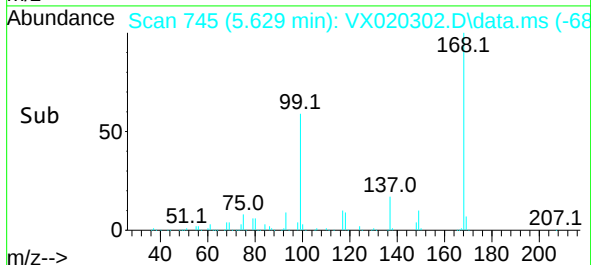
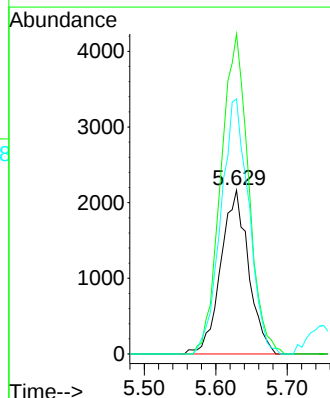
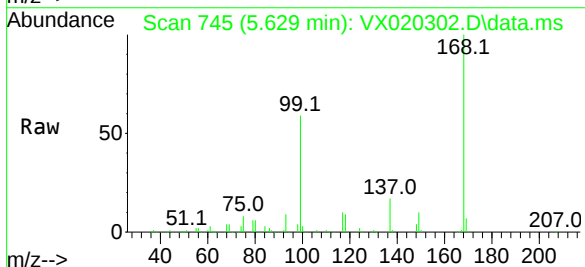
Tgt Ion: 56 Resp: 5812

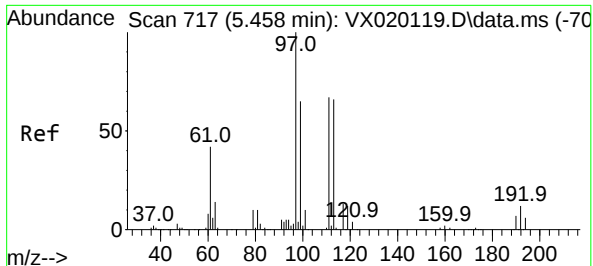
Ion Ratio Lower Upper

56 100

69 195.5 25.3 37.9#

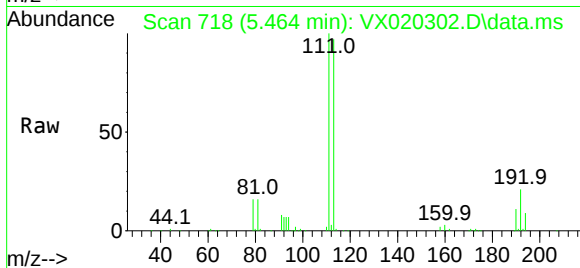
84 155.8 71.4 107.0#



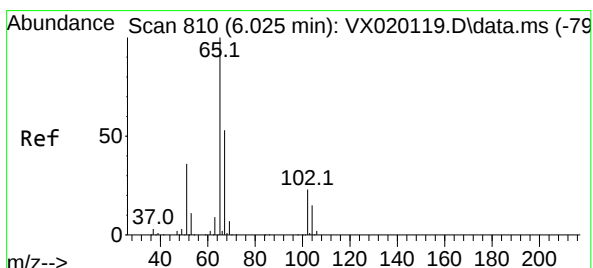
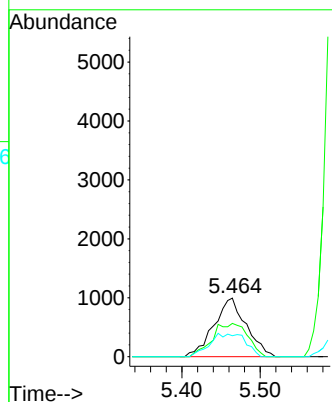
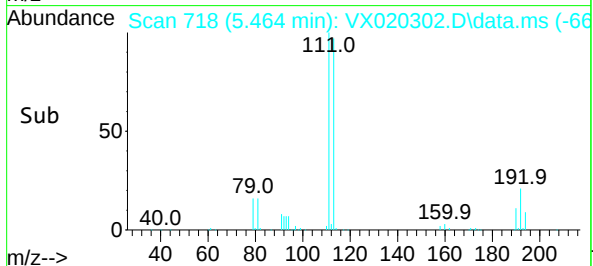


#32
1,1,1-Trichloroethane
Concen: 0.51 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

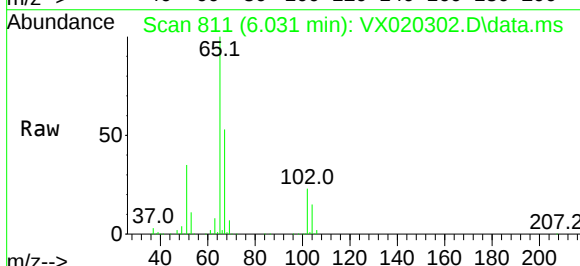
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211



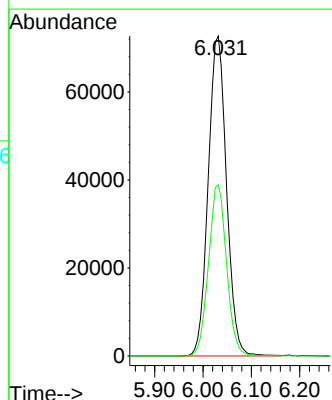
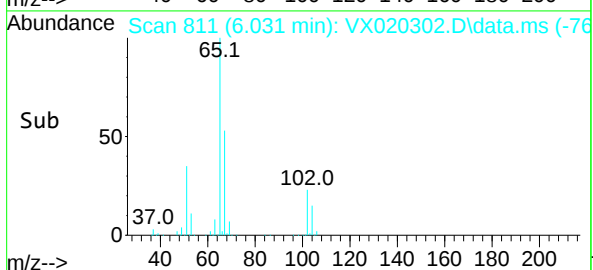
Tgt Ion: 97 Resp: 2848
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 43.4 34.2 51.4

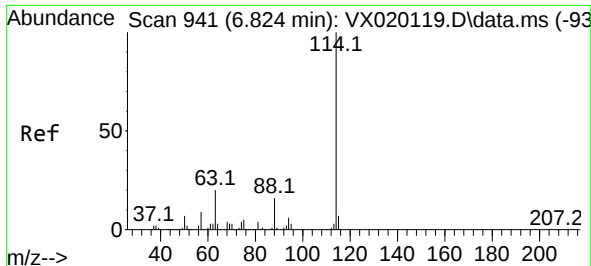


#33
1,2-Dichloroethane-d4
Concen: 47.28 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43



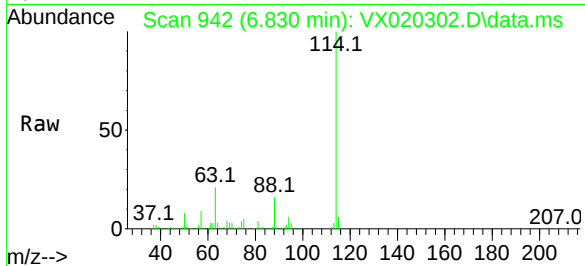
Tgt Ion: 65 Resp: 191027
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4



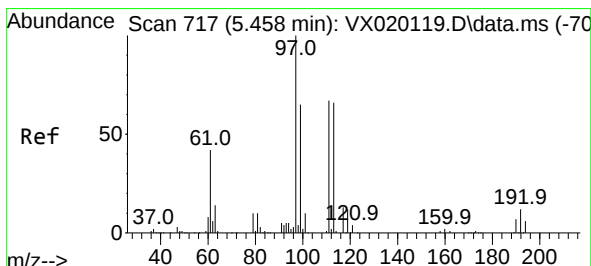
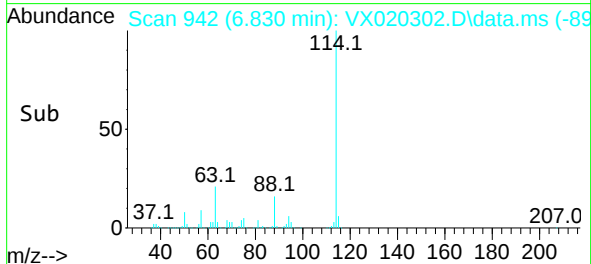
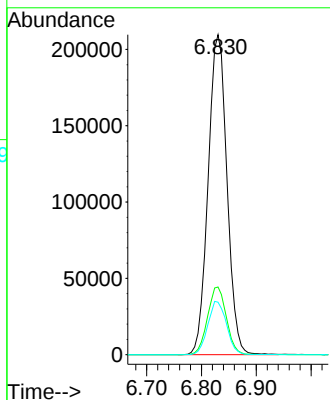


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

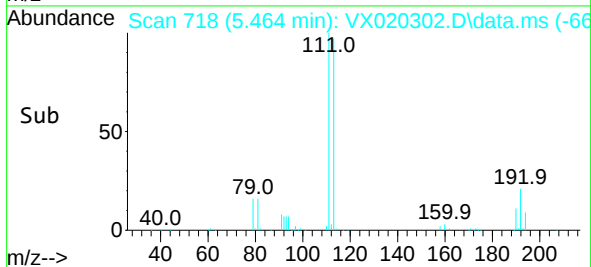
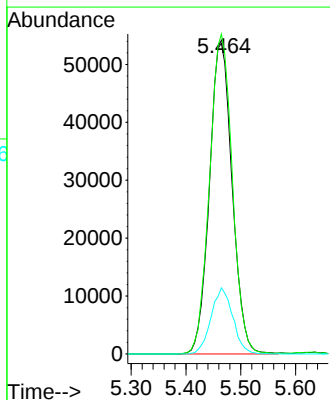
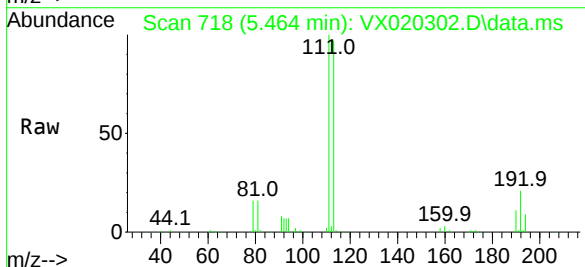


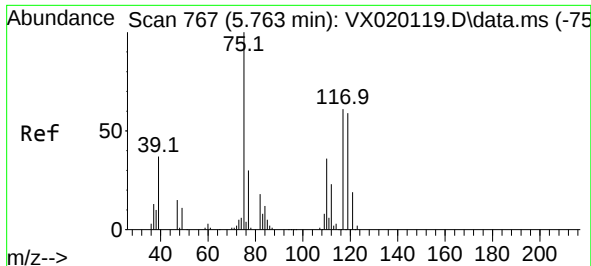
Tgt Ion:114 Resp: 499553
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.43 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

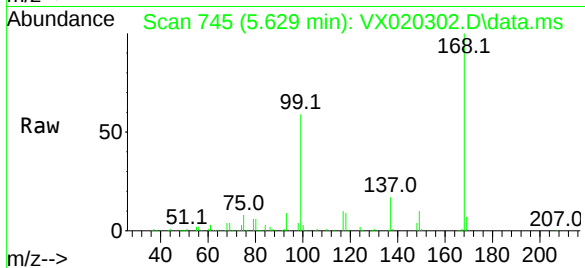
Tgt Ion:113 Resp: 154751
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.3 16.7 25.1



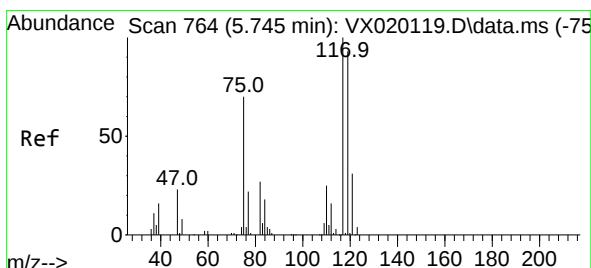
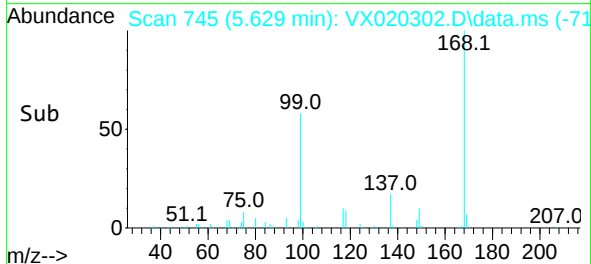
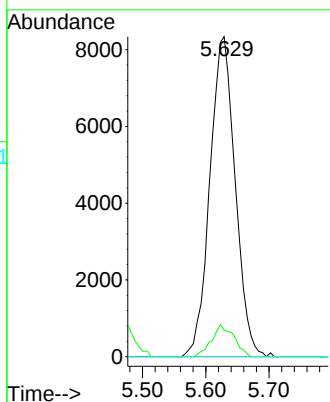


#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

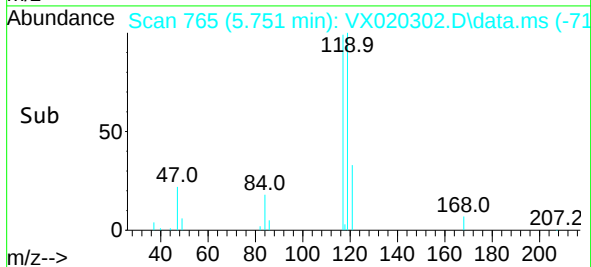
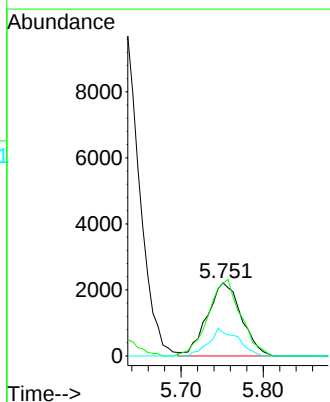
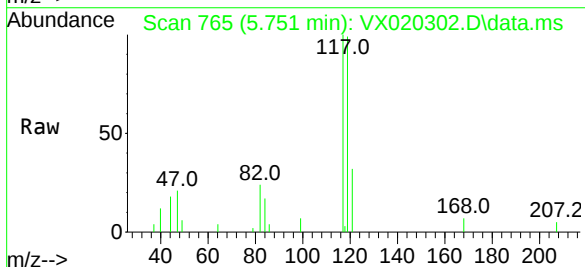


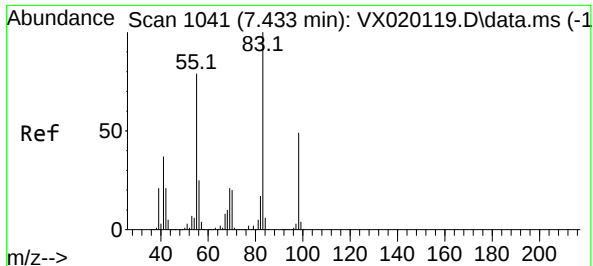
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	25.3	37.9#



#38
Carbon Tetrachloride
Concen: 1.36 ug/l
RT: 5.751 min Scan# 765
Delta R.T. 0.006 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.2	114.2
121	31.7	24.8	37.2





#39

Methylcyclohexane

Concen: 2.06 ug/l

RT: 7.184 min Scan# 1000

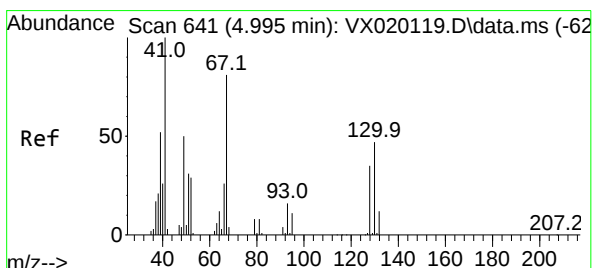
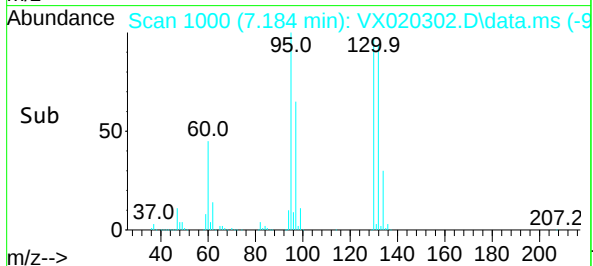
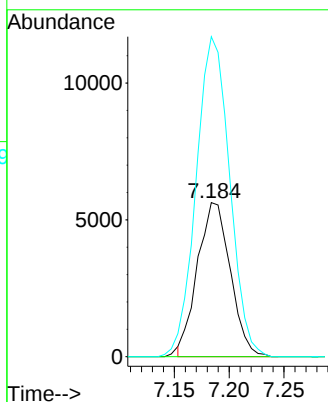
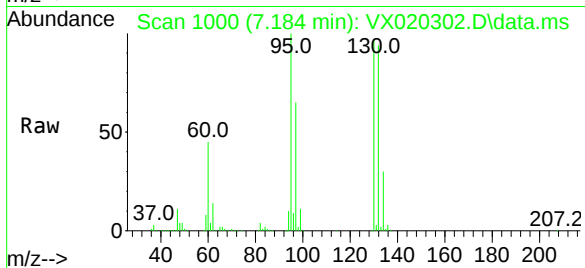
Delta R.T. -0.249 min

Lab File: VX020302.D

Acq: 22 Dec 2020 14:43

Tgt Ion:	83	Resp:	11751
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	207.7	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211



#41

Methacrylonitrile

Concen: 0.22 ug/l

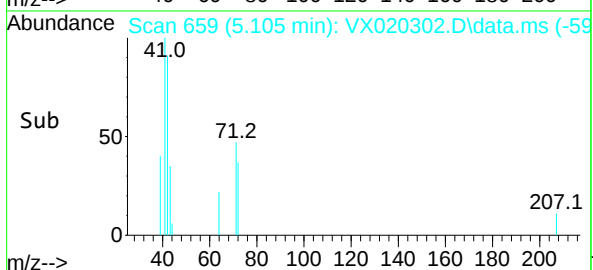
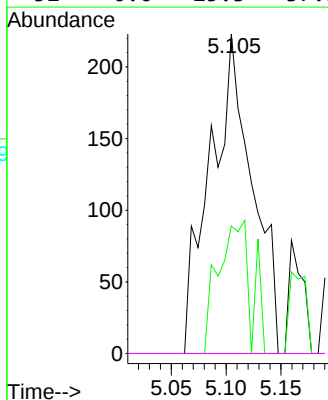
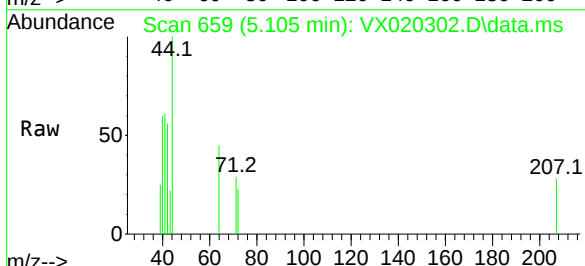
RT: 5.105 min Scan# 659

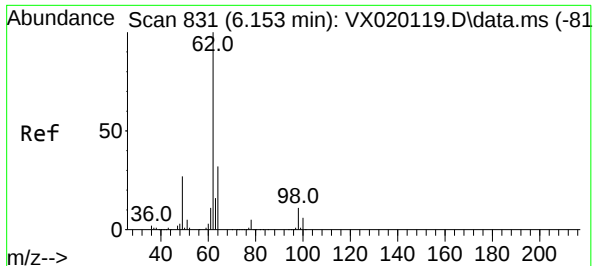
Delta R.T. 0.110 min

Lab File: VX020302.D

Acq: 22 Dec 2020 14:43

Tgt Ion:	41	Resp:	598
Ion	Ratio	Lower	Upper
41	100		
39	32.3	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#





#42

1,2-Dichloroethane

Concen: 0.26 ug/l

RT: 6.153 min Scan# 831

Delta R.T. 0.000 min

Lab File: VX020302.D

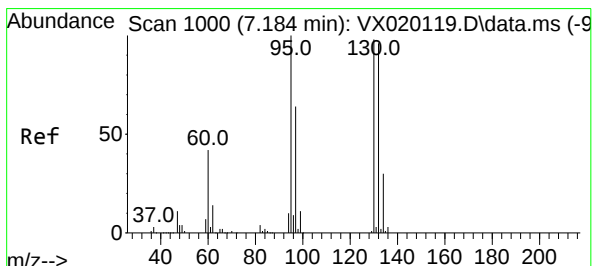
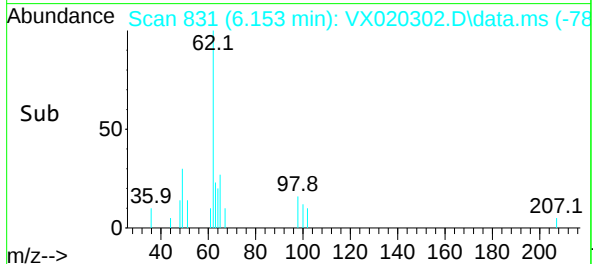
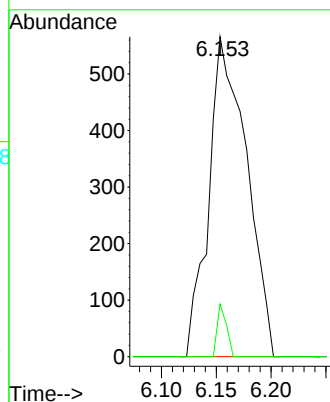
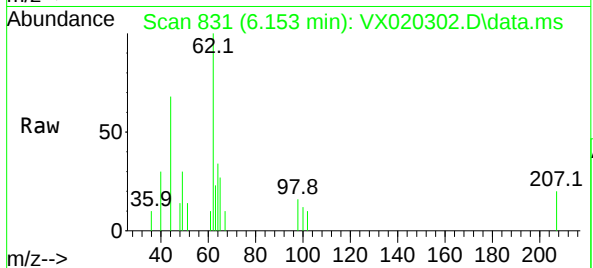
Acq: 22 Dec 2020 14:43

Tgt Ion: 62 Resp: 1357

Ion Ratio Lower Upper

62 100

98 4.0 0.0 20.2



#44

Trichloroethene

Concen: 250.37 ug/l

RT: 7.184 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VX020302.D

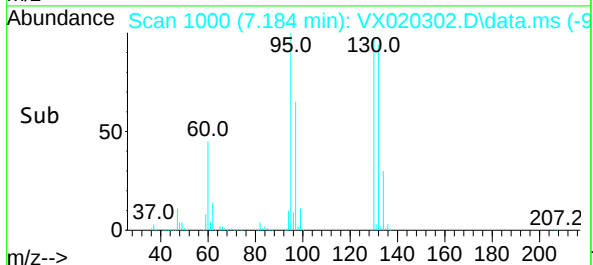
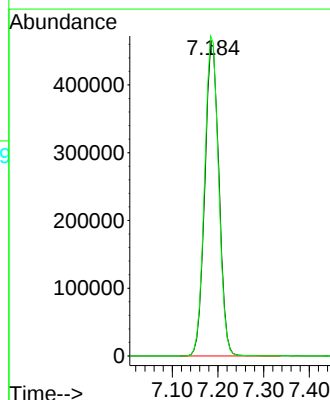
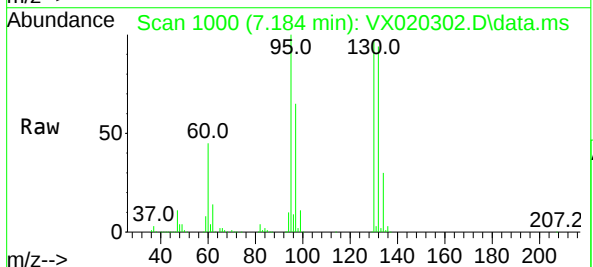
Acq: 22 Dec 2020 14:43

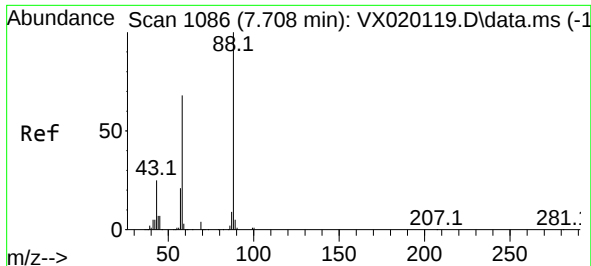
Tgt Ion:130 Resp: 994656

Ion Ratio Lower Upper

130 100

95 103.1 0.0 198.0

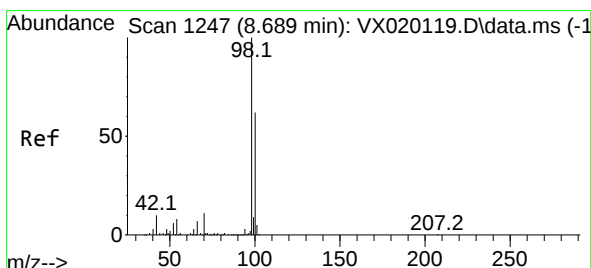
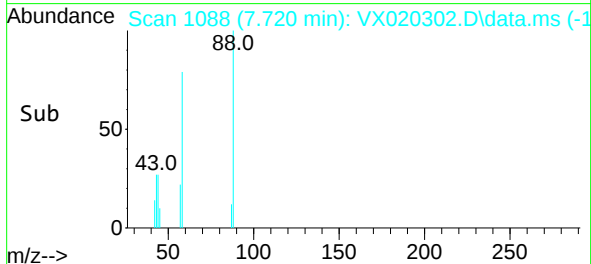
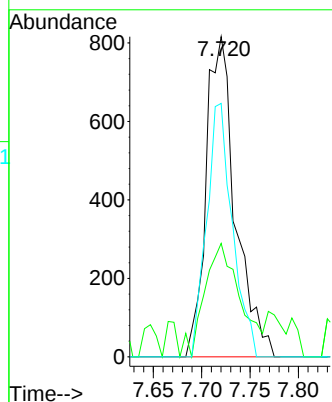
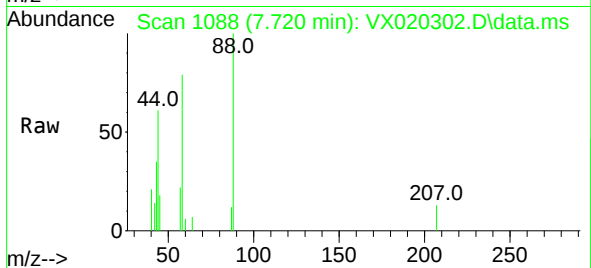




#49
1,4-Dioxane
Concen: 18.53 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

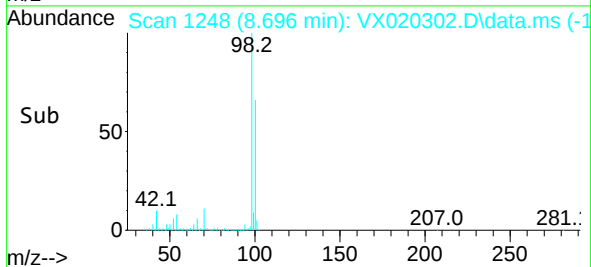
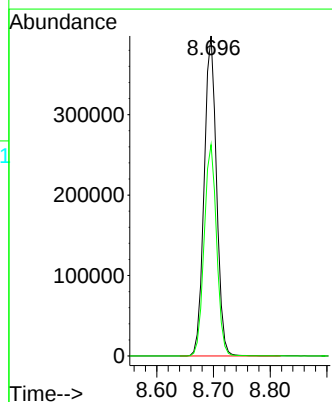
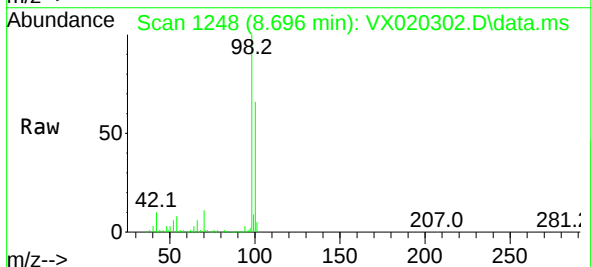
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

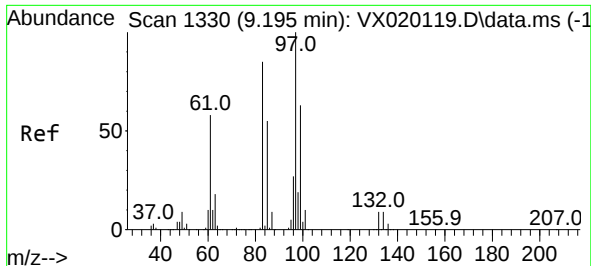
Tgt Ion: 88 Resp: 1722
Ion Ratio Lower Upper
88 100
43 41.9 23.2 34.8#
58 69.4 55.0 82.4



#50
Toluene-d8
Concen: 48.88 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

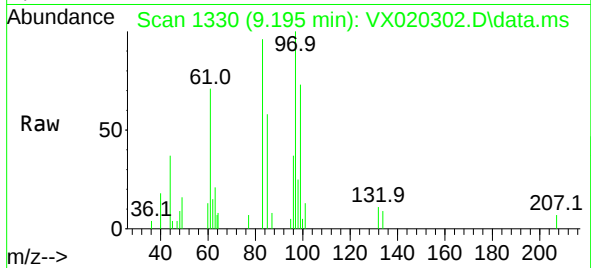
Tgt Ion: 98 Resp: 601322
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9



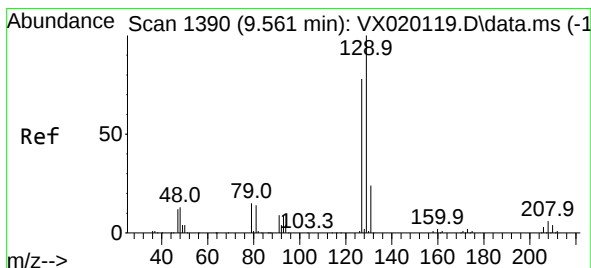
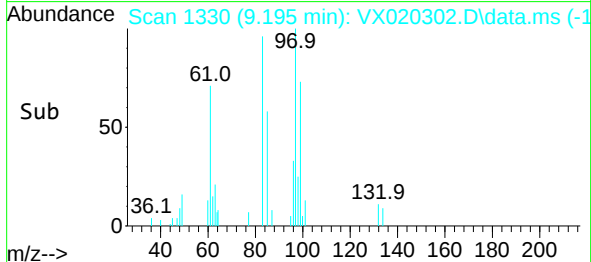
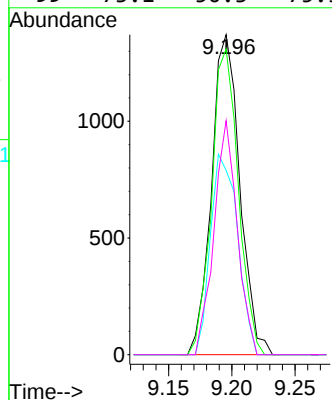


#55
1,1,2-Trichloroethane
Concen: 0.55 ug/l
RT: 9.195 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

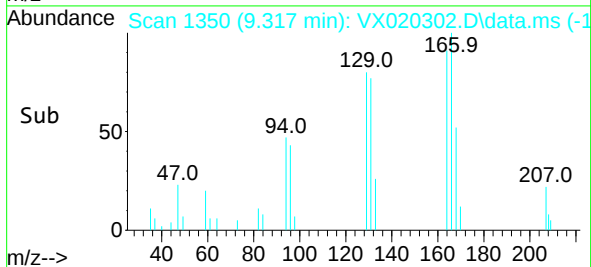
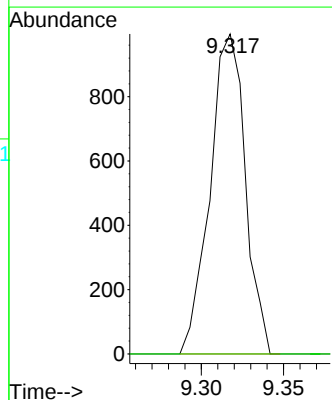
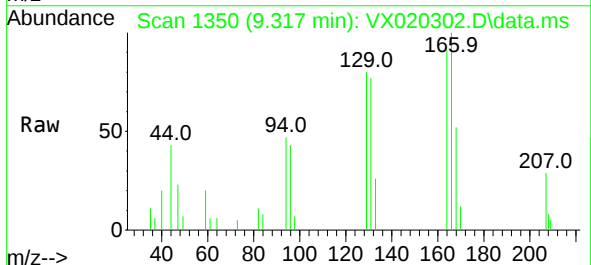


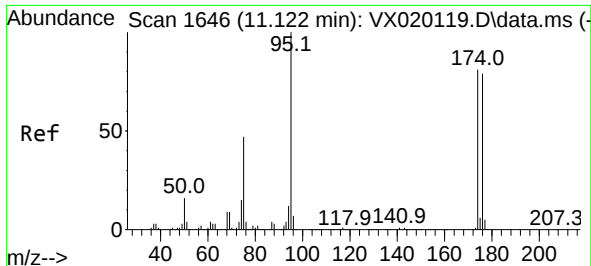
Tgt Ion:	97	Resp:	2132
Ion	Ratio	Lower	Upper
97	100		
83	95.6	69.3	103.9
85	57.6	44.3	66.5
99	73.1	50.3	75.5



#60
Dibromochloromethane
Concen: 0.39 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion:	129	Resp:	1487
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

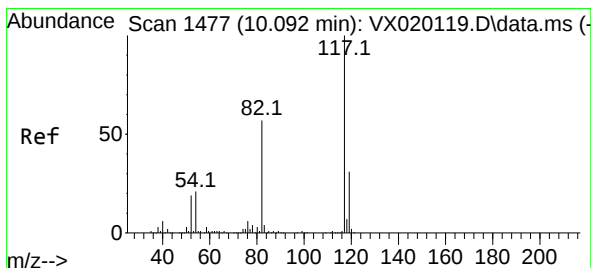
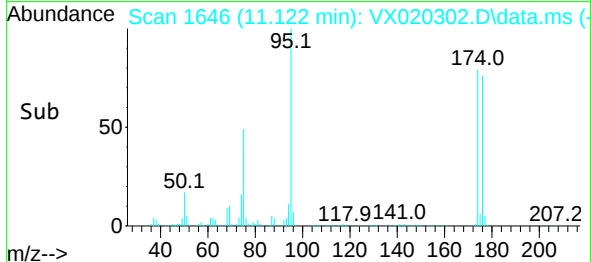
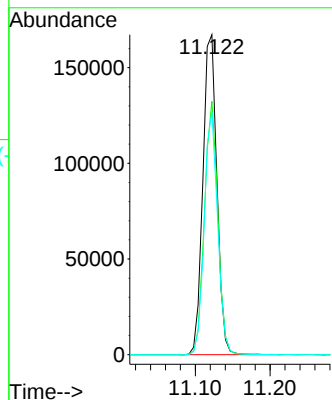
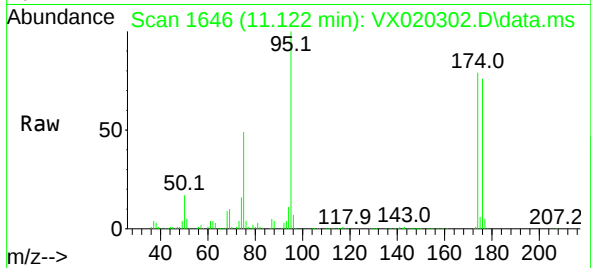




#62
4-Bromofluorobenzene
Concen: 46.18 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

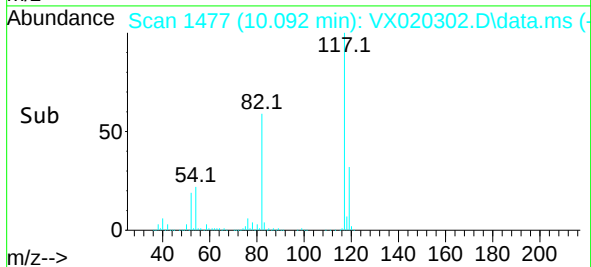
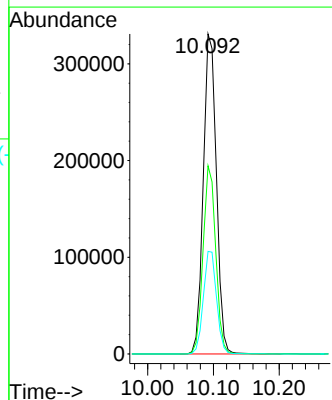
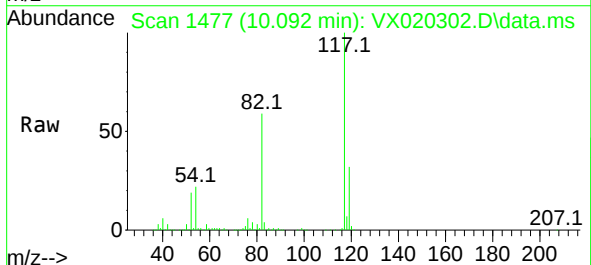
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

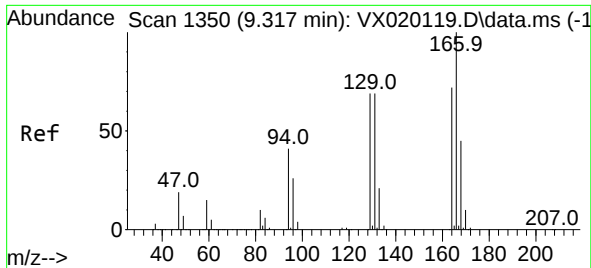
Tgt Ion: 95 Resp: 217423
Ion Ratio Lower Upper
95 100
174 76.4 0.0 154.6
176 72.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion: 117 Resp: 457796
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 32.1 26.6 39.8



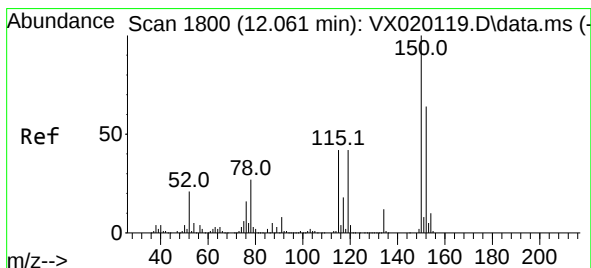
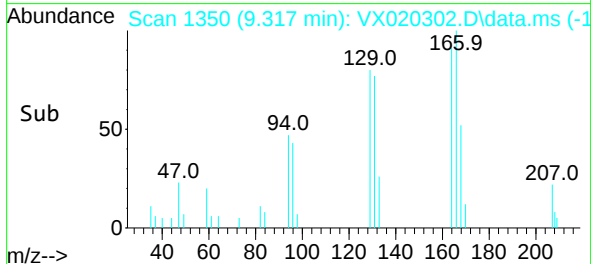
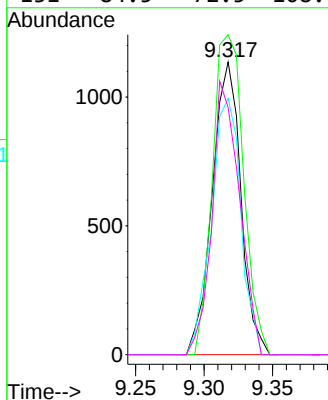
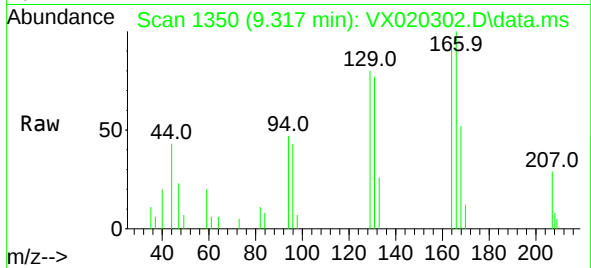


#64
Tetrachloroethene
Concen: 0.48 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

Tgt Ion:164 Resp: 1651

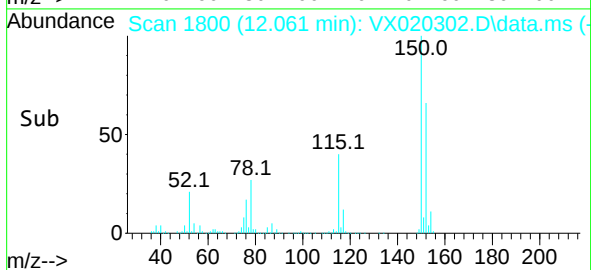
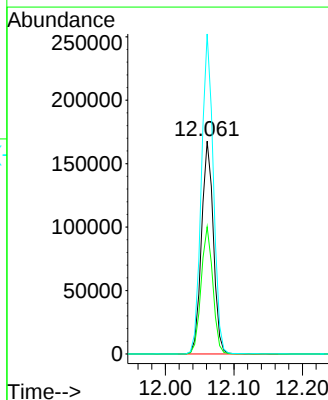
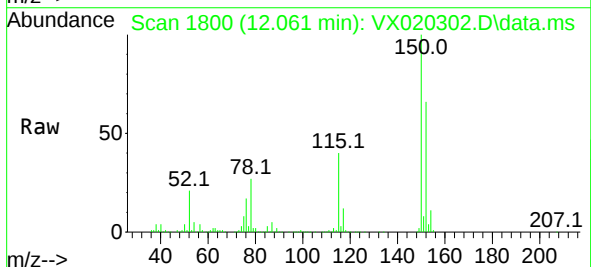
Ion	Ratio	Lower	Upper
164	100		
166	109.3	103.4	155.2
129	87.6	70.8	106.2
131	84.5	72.5	108.7

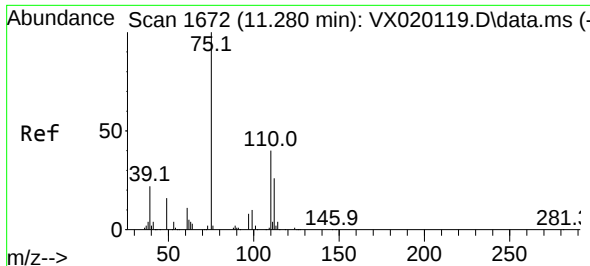


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion:152 Resp: 202014

Ion	Ratio	Lower	Upper
152	100		
115	59.0	41.1	123.3
150	150.9	0.0	349.0

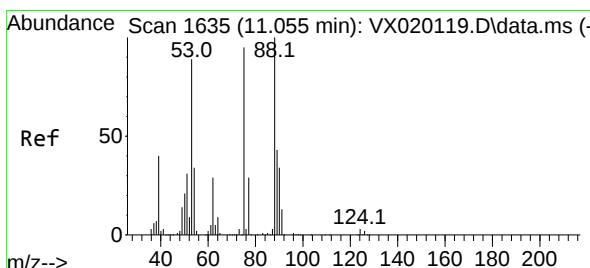
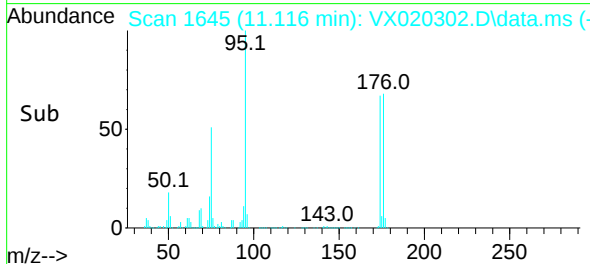
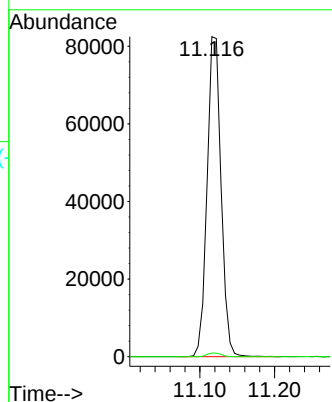
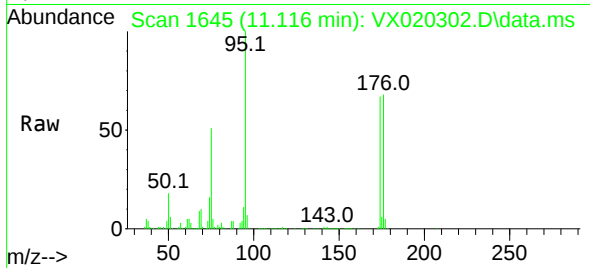




#76
1,2,3-Trichloropropane
Concen: 21.53 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20201211

Tgt Ion: 75 Resp: 107137
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.88 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020302.D
Acq: 22 Dec 2020 14:43

Tgt Ion: 75 Resp: 107137
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

