

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011521\
 Data File : VN065534.D
 Acq On : 15 Jan 2021 20:05
 Operator : JC/MD
 Sample : M1090-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

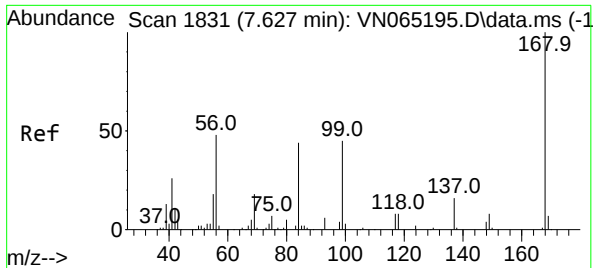
Instrument :
 MSVOA_N
 ClientSampleId :
 BORE-3-1FT-7FT

Quant Time: Jan 15 23:45:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.630	168	198047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	330078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	365138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	154698	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	105750	47.30	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.60%		
35) Dibromofluoromethane	7.556	113	99079	49.75	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.50%		
50) Toluene-d8	10.061	98	415784	55.71	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	111.42%		
62) 4-Bromofluorobenzene	12.376	95	159449	53.61	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.22%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.775	59	182	0.50	ug/l #	73
16) Acetone	3.791	43	12282	2.44	ug/l	96
18) Methyl Acetate	4.315	43	1385	0.69	ug/l #	50
20) Methylene Chloride	4.508	84	17158	7.87	ug/l	99
25) 2-Butanone	6.811	43	5111	4.07	ug/l	95
29) Tetrahydrofuran	7.184	42	467	0.58	ug/l #	32
31) Cyclohexane	7.634	56	2797	0.85	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	11876	3.96	ug/l #	45
37) Ethyl Acetate	6.811	43	5111	1.72	ug/l #	66
38) Carbon Tetrachloride	7.630	117	16105	5.11	ug/l #	16
43) Isopropyl Acetate	8.135	43	14873	2.90	ug/l	100
45) 1,2-Dichloropropane	9.241	63	1029	0.44	ug/l #	43
48) Methyl methacrylate	9.148	41	4036	1.62	ug/l #	12
51) 4-Methyl-2-Pentanone	9.958	43	4449	1.54	ug/l #	82
54) cis-1,3-Dichloropropene	9.875	75	30080	7.56	ug/l #	60
57) 1,3-Dichloropropane	10.736	76	17555	4.78	ug/l #	42
59) 2-Hexanone	10.736	43	223744	105.58	ug/l #	51
71) Bromoform	12.376	173	1142	0.46	ug/l #	1
74) N-amyl acetate	12.006	43	1131	0.24	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	73636	23.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	73636	58.83	ug/l #	15

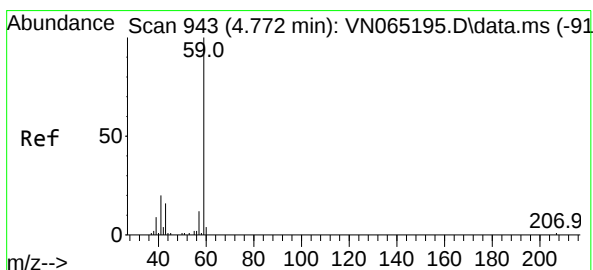
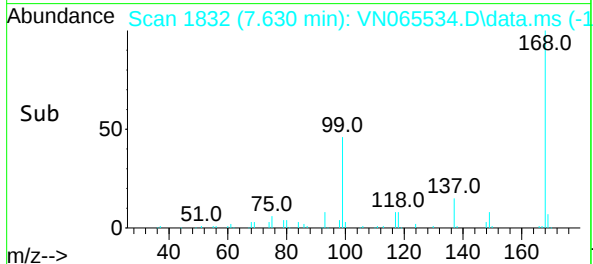
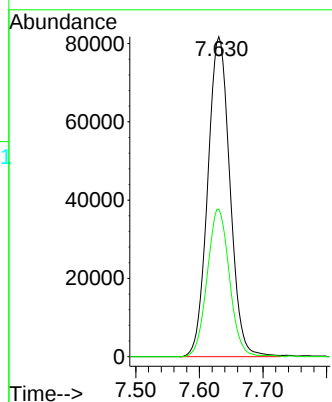
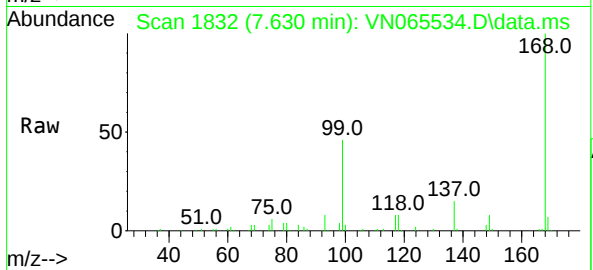
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

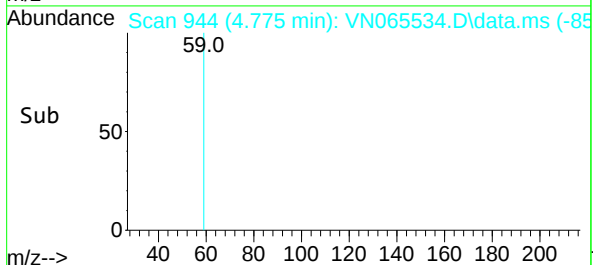
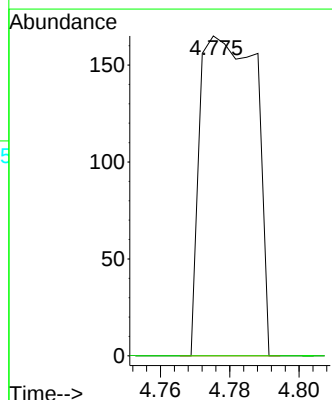
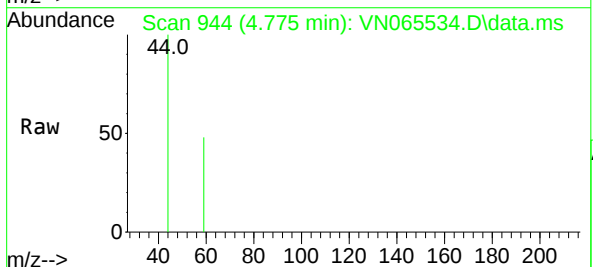
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

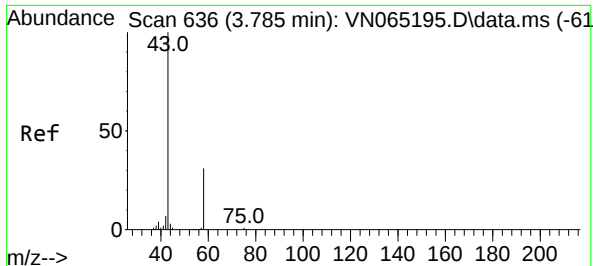
Tgt Ion:168 Resp: 198047
Ion Ratio Lower Upper
168 100
99 46.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.50 ug/l
RT: 4.775 min Scan# 944
Delta R.T. 0.003 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

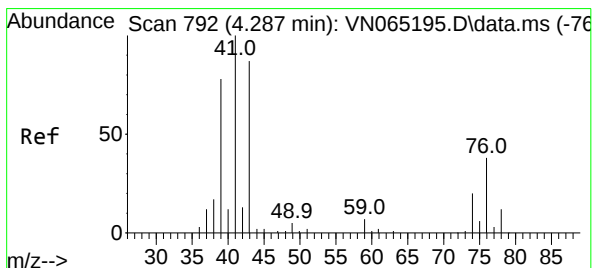
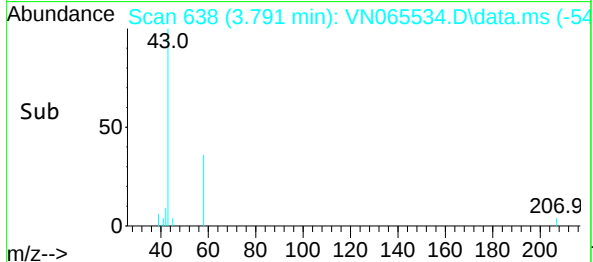
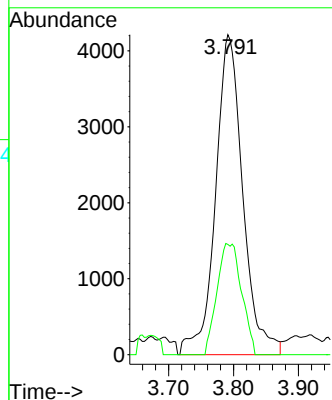
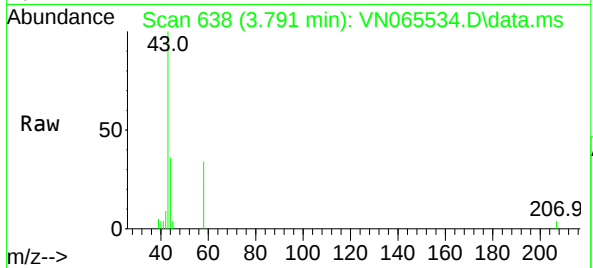




#16
Acetone
Concen: 2.44 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

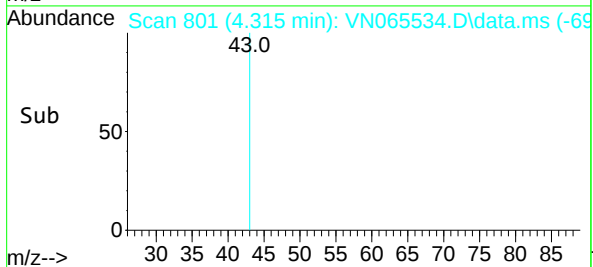
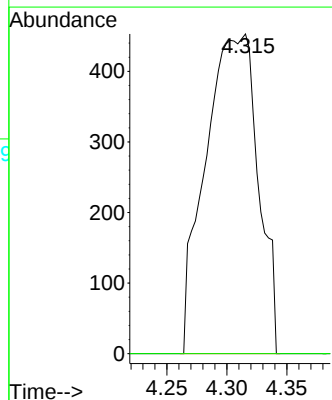
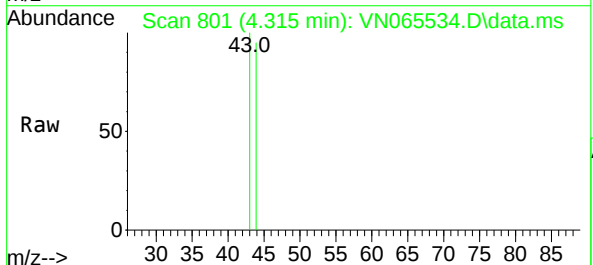
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

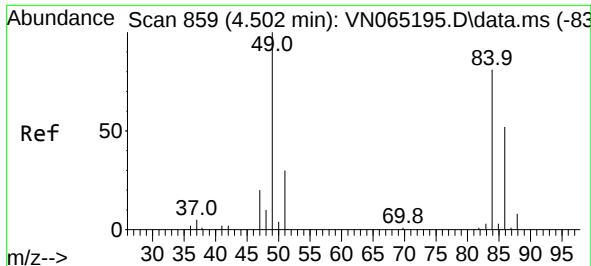
Tgt Ion: 43 Resp: 12282
Ion Ratio Lower Upper
43 100
58 34.5 25.7 38.5



#18
Methyl Acetate
Concen: 0.69 ug/l
RT: 4.315 min Scan# 801
Delta R.T. 0.028 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

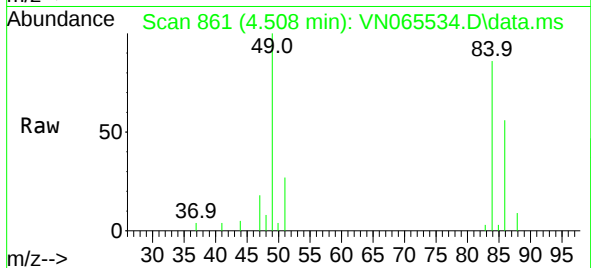
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



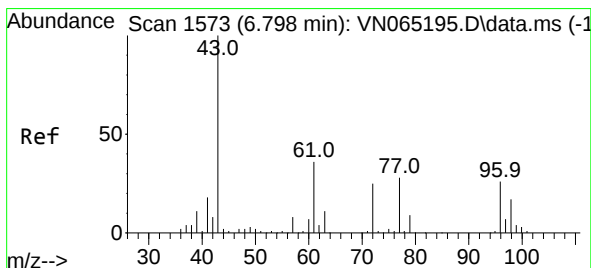
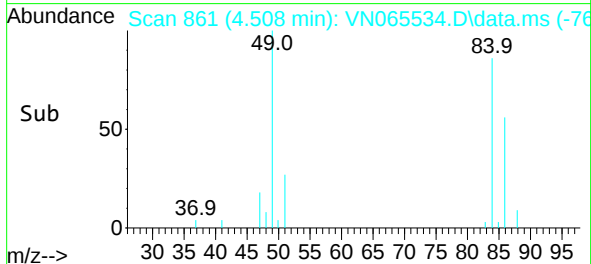
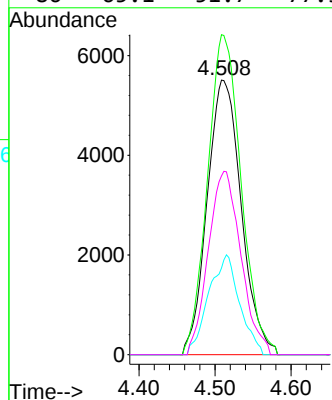


#20
Methylene Chloride
Concen: 7.87 ug/l
RT: 4.508 min Scan# 861
Delta R.T. 0.006 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

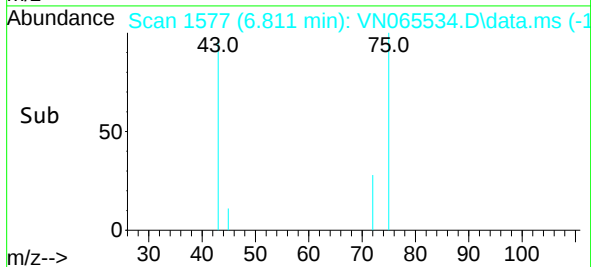
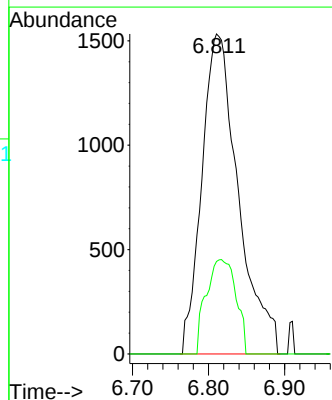
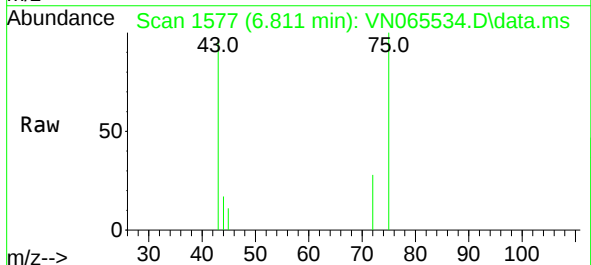


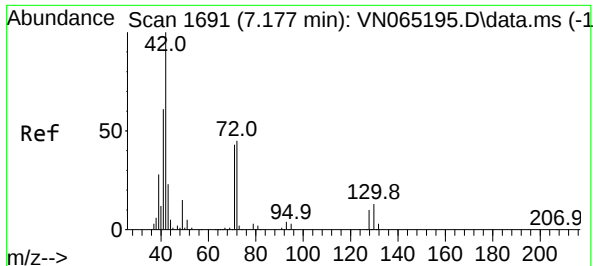
Tgt Ion:	84	Resp:	17158
Ion	Ratio	Lower	Upper
84	100		
49	116.6	93.4	140.0
51	31.5	28.2	42.4
86	65.1	51.7	77.5



#25
2-Butanone
Concen: 4.07 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion:	43	Resp:	5111
Ion	Ratio	Lower	Upper
43	100		
72	28.9	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 7.184 min Scan# 1693

Delta R.T. 0.007 min

Lab File: VN065534.D

Acq: 15 Jan 2021 20:05

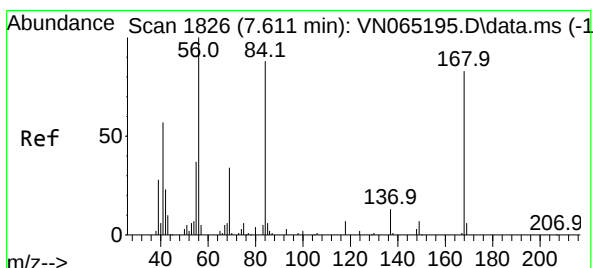
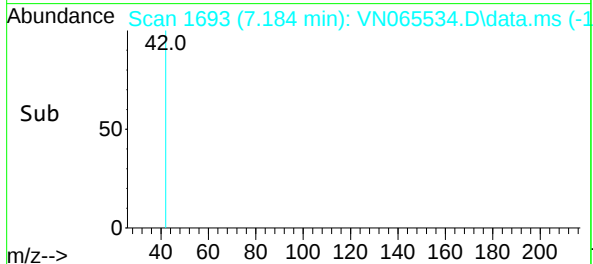
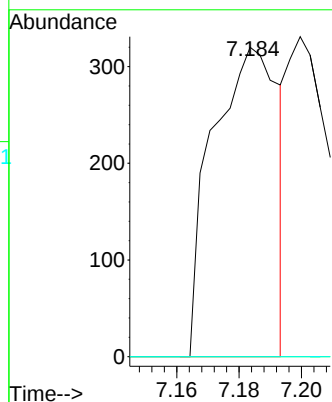
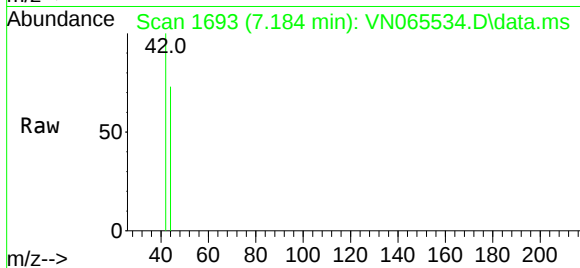
Instrument :

MSVOA_N

ClientSampleId :

BORE-3-1FT-7FT

Tgt Ion:	42	Resp:	467
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 0.85 ug/l

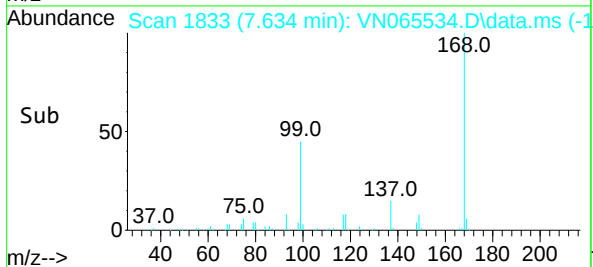
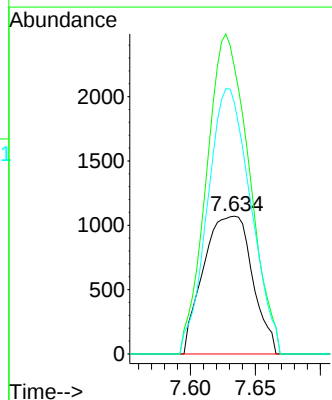
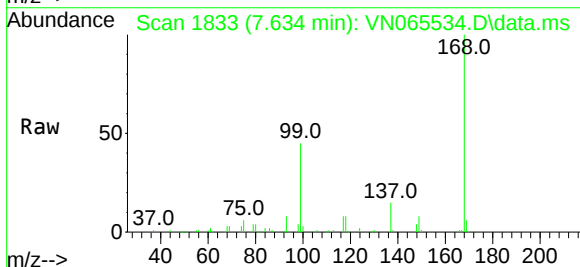
RT: 7.634 min Scan# 1833

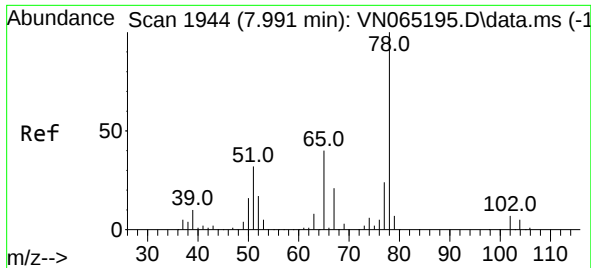
Delta R.T. 0.023 min

Lab File: VN065534.D

Acq: 15 Jan 2021 20:05

Tgt Ion:	56	Resp:	2797
Ion	Ratio	Lower	Upper
56	100		
69	208.4	27.5	41.3#
84	182.5	73.9	110.9#

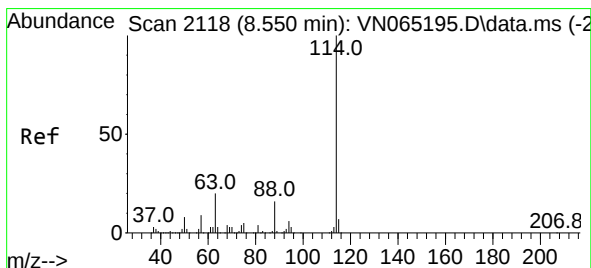
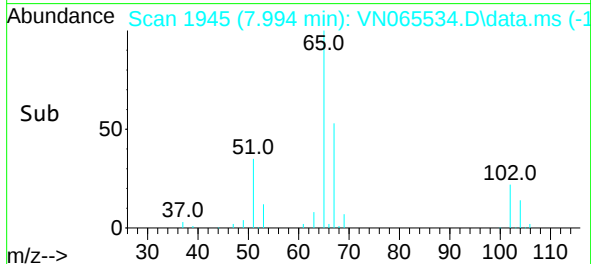
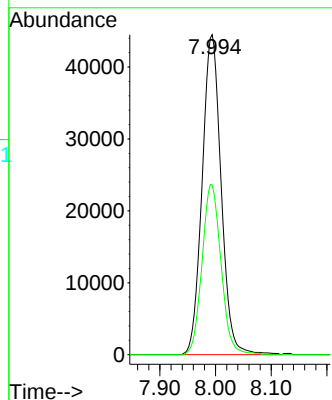
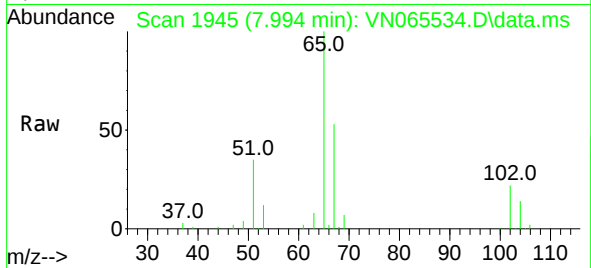




#33
1,2-Dichloroethane-d4
Concen: 47.30 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

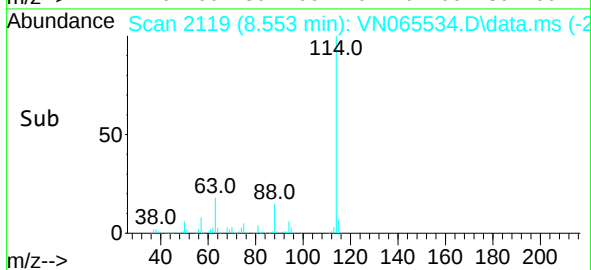
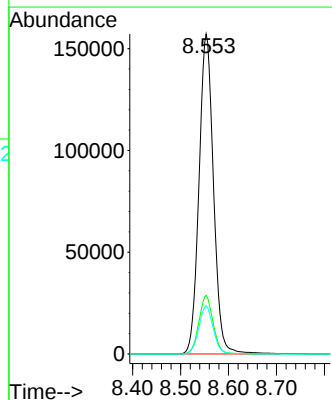
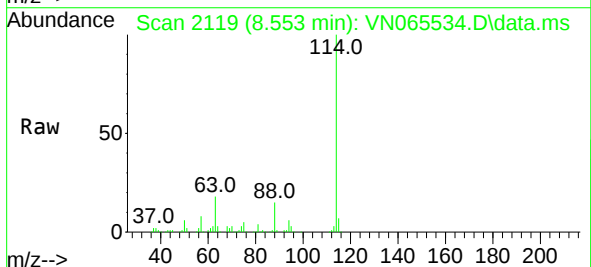
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

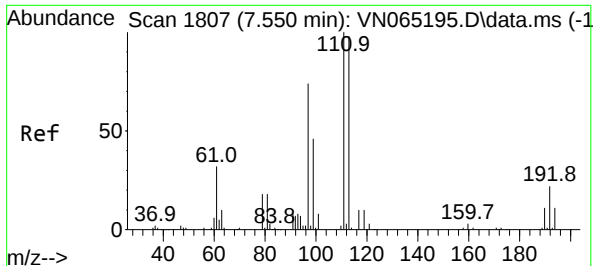
Tgt Ion: 65 Resp: 105750
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion: 114 Resp: 330078
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.6
88 15.0 0.0 32.6

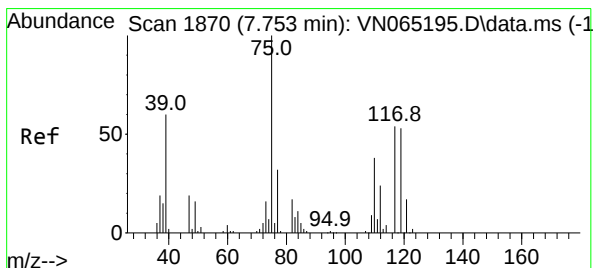
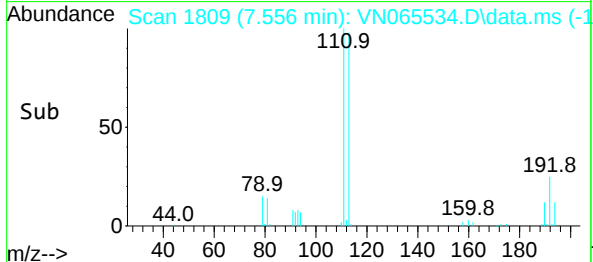
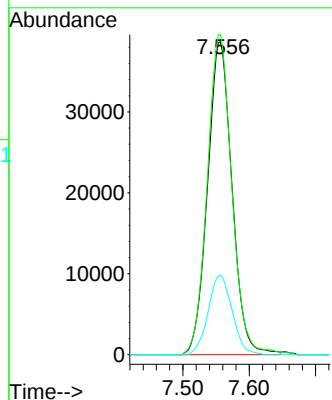
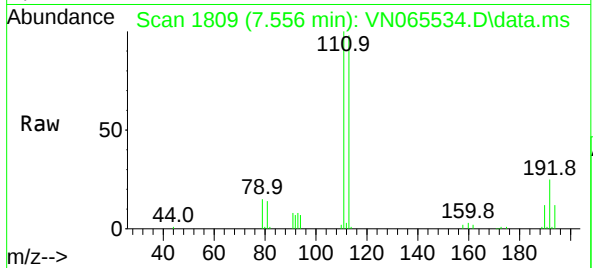




#35
Dibromofluoromethane
Concen: 49.75 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

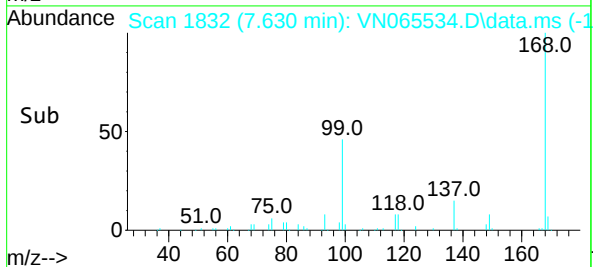
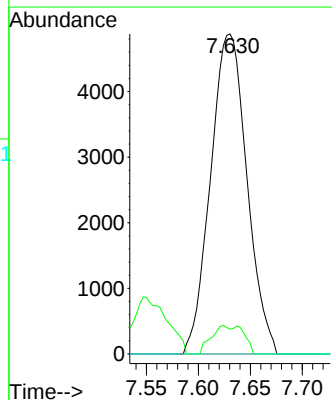
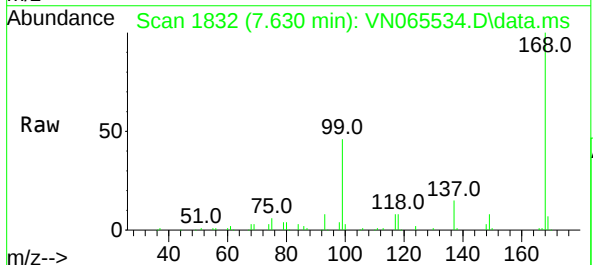
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

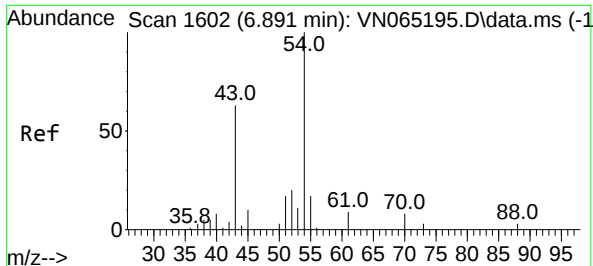
Tgt Ion:113 Resp: 99079
Ion Ratio Lower Upper
113 100
111 102.9 81.6 122.4
192 24.9 16.2 24.2#



#36
1,1-Dichloropropene
Concen: 3.96 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion: 75 Resp: 11876
Ion Ratio Lower Upper
75 100
110 4.6 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.72 ug/l

RT: 6.811 min Scan# 1577

Delta R.T. -0.080 min

Lab File: VN065534.D

Acq: 15 Jan 2021 20:05

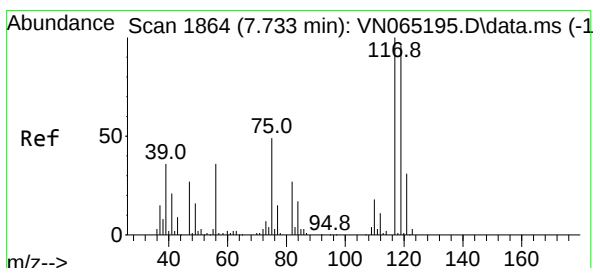
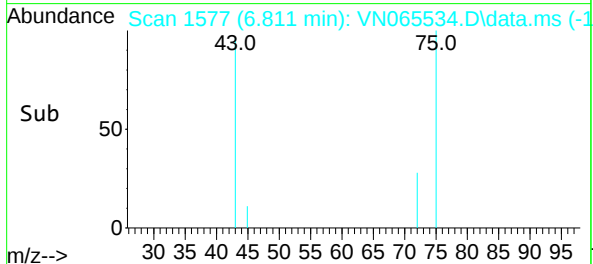
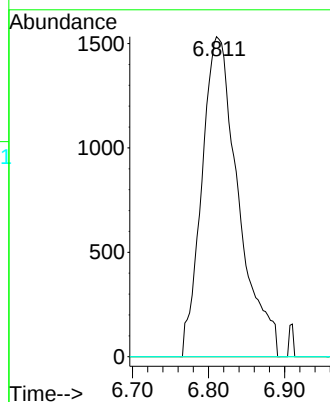
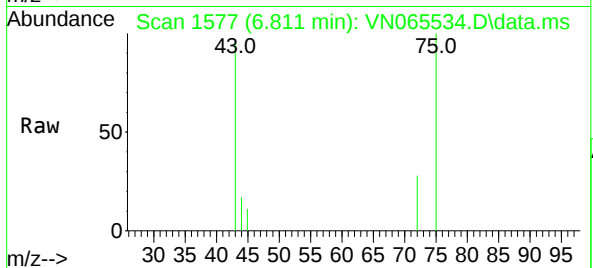
Instrument :

MSVOA_N

ClientSampleId :

BORE-3-1FT-7FT

Tgt Ion: 43	Resp: 5111
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.11 ug/l

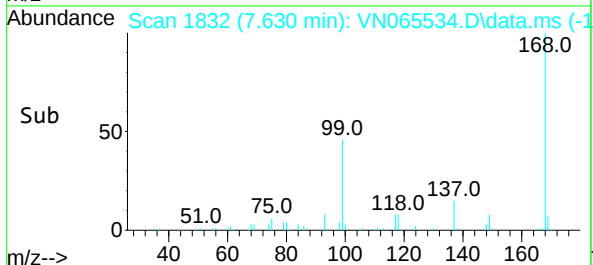
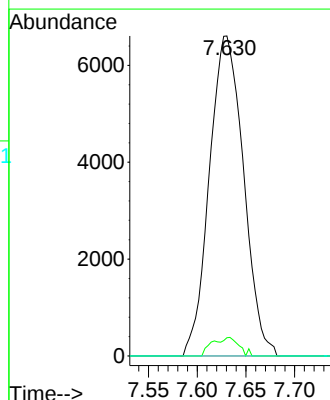
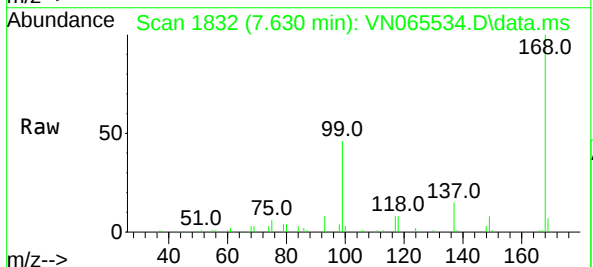
RT: 7.630 min Scan# 1832

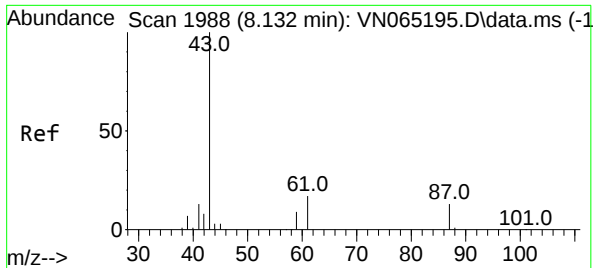
Delta R.T. -0.103 min

Lab File: VN065534.D

Acq: 15 Jan 2021 20:05

Tgt Ion: 117	Resp: 16105
Ion Ratio	Lower Upper
117 100	
119 5.7	76.7 115.1#
121 0.0	25.4 38.2#

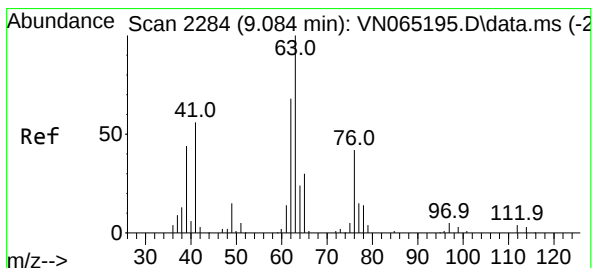
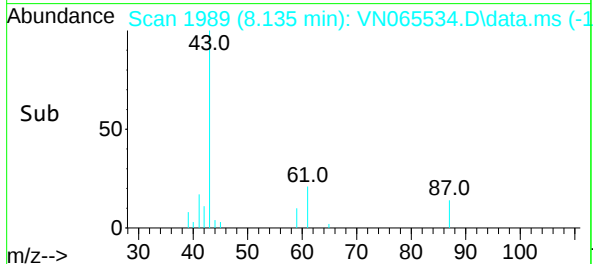
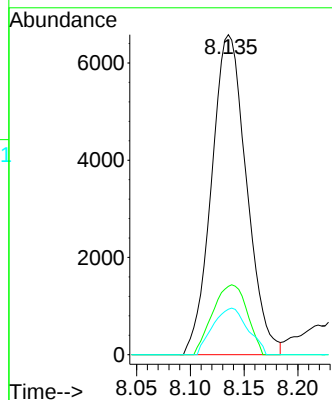
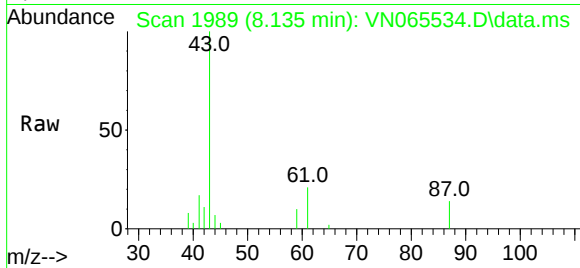




#43
Isopropyl Acetate
Concen: 2.90 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

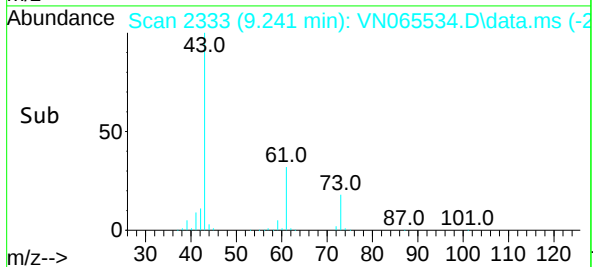
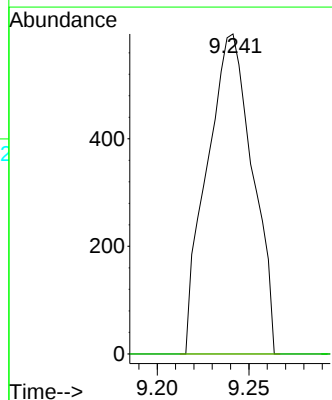
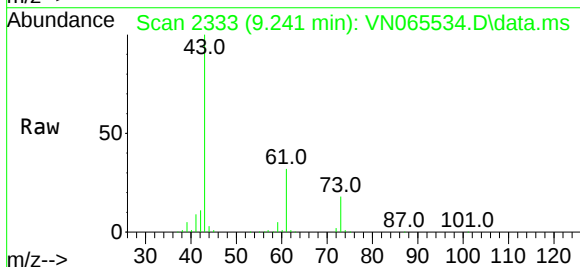
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

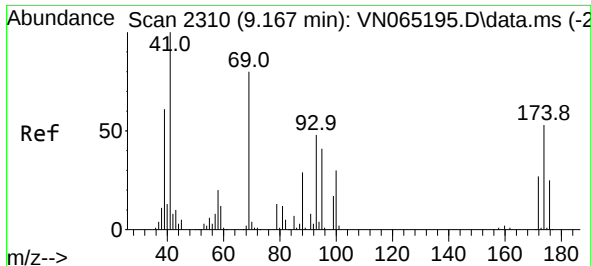
Tgt Ion: 43	Resp: 14873
Ion Ratio	Lower Upper
43 100	
61 21.6	17.2 25.8
87 14.5	11.4 17.0



#45
1,2-Dichloropropane
Concen: 0.44 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion: 63	Resp: 1029		
Ion Ratio	Lower	Upper	
63 100			
65 0.0	25.0	37.4#	

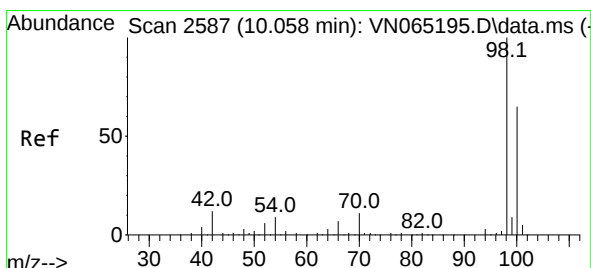
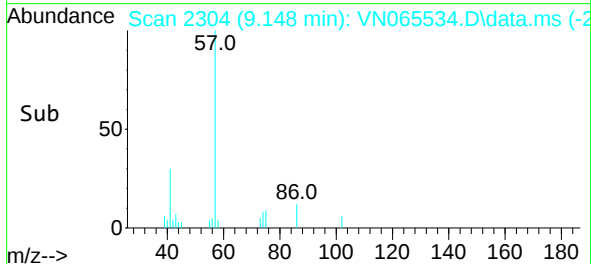
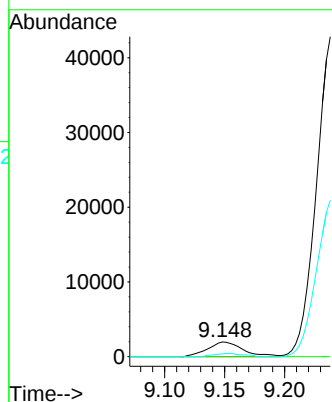
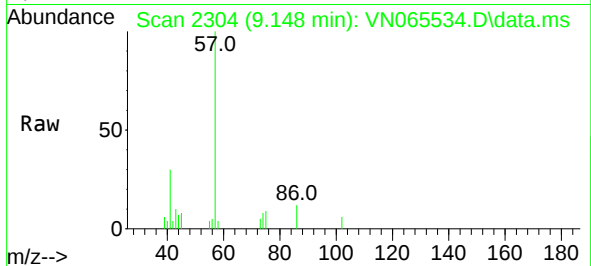




#48
Methyl methacrylate
Concen: 1.62 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

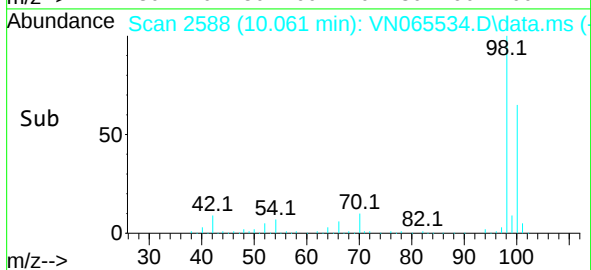
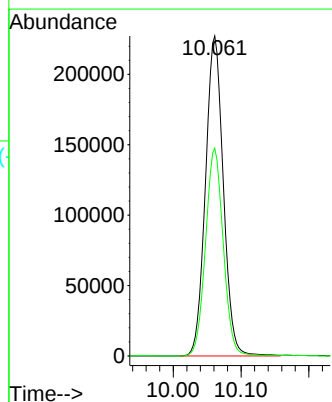
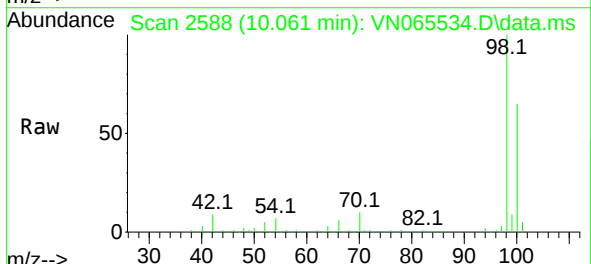
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

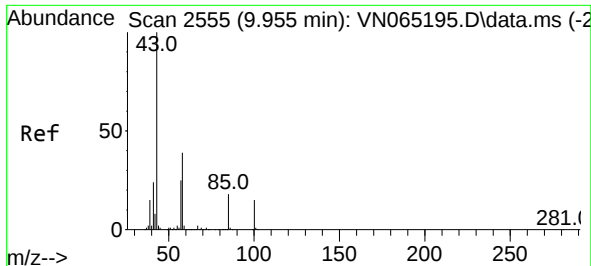
Tgt Ion: 41 Resp: 4036
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 55.71 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion: 98 Resp: 415784
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

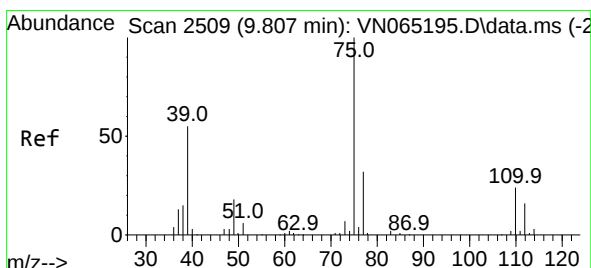
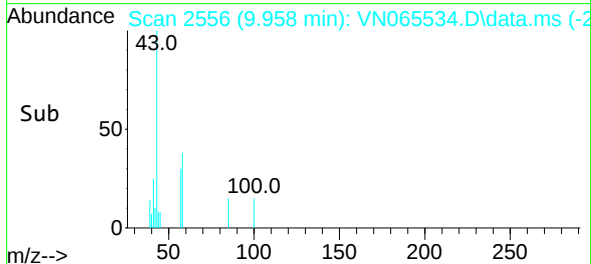
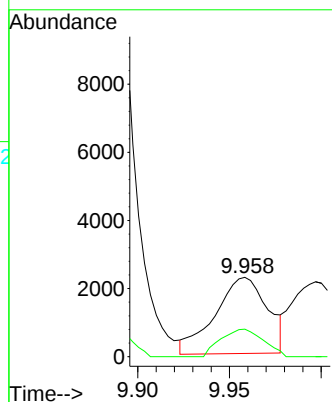
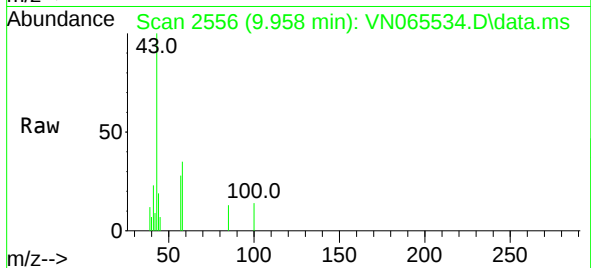




#51
4-Methyl-2-Pentanone
Concen: 1.54 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

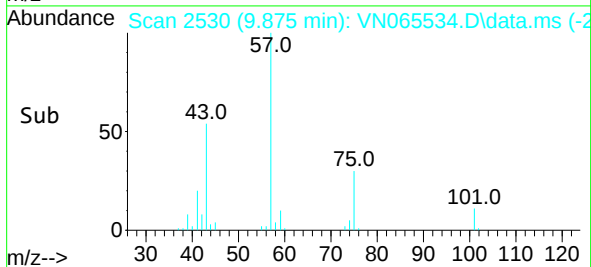
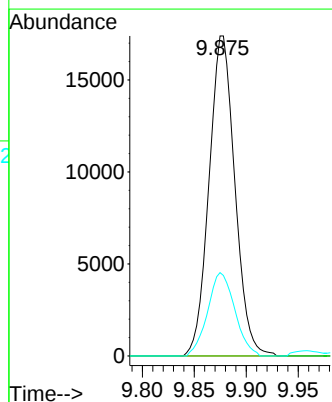
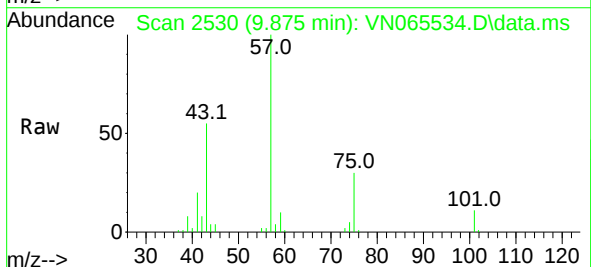
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

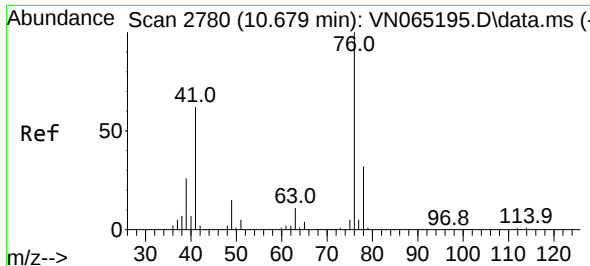
Tgt Ion: 43 Resp: 4449
Ion Ratio Lower Upper
43 100
58 29.4 32.4 48.6#



#54
cis-1,3-Dichloropropene
Concen: 7.56 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion: 75 Resp: 30080
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 26.0 35.6 53.4#

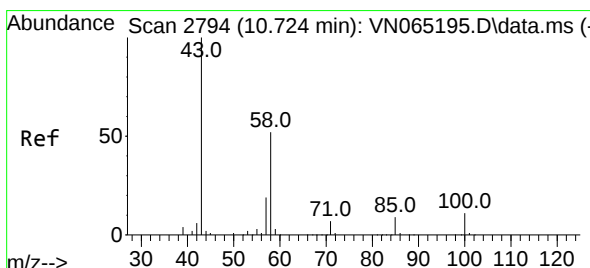
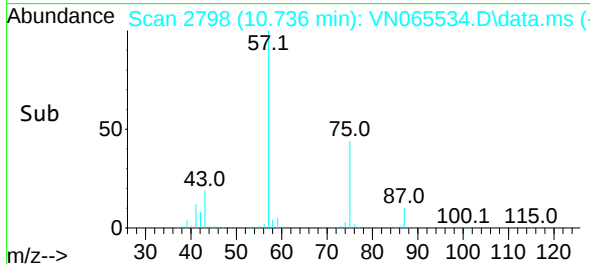
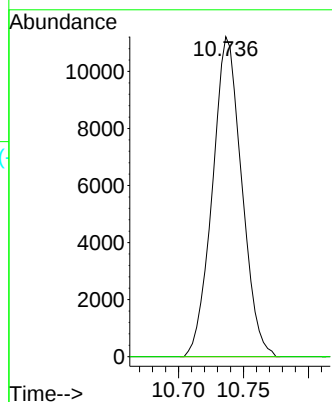
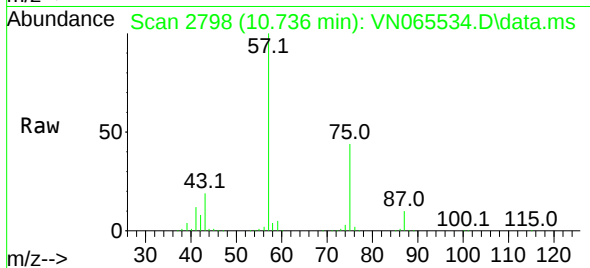




#57
1,3-Dichloropropane
Concen: 4.78 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

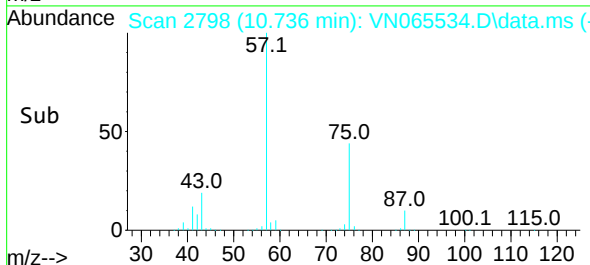
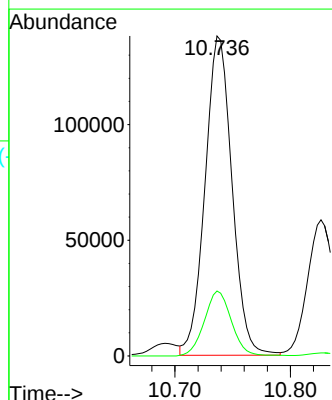
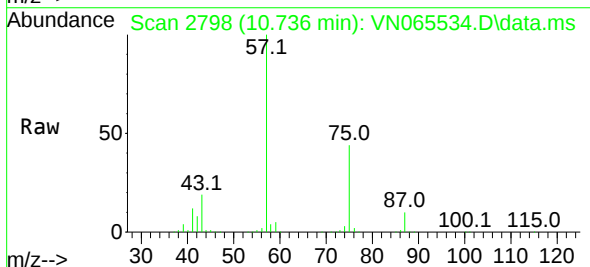
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

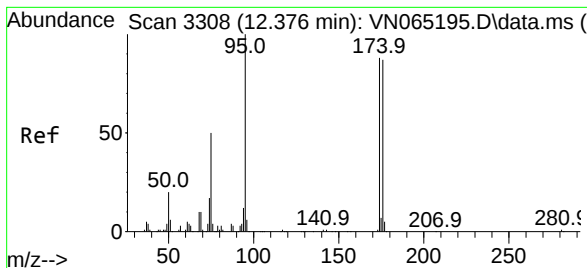
Tgt Ion: 76 Resp: 17555
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 105.58 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion: 43 Resp: 223744
Ion Ratio Lower Upper
43 100
58 20.5 28.3 84.9#

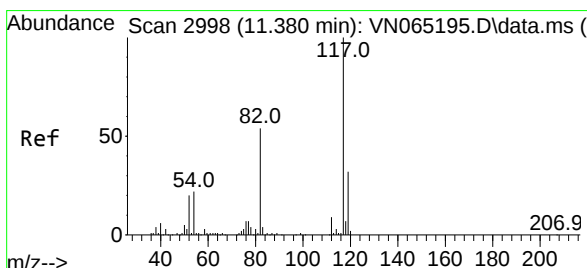
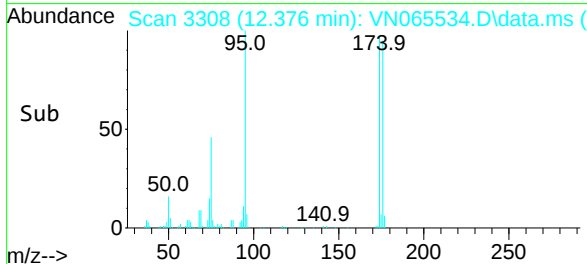
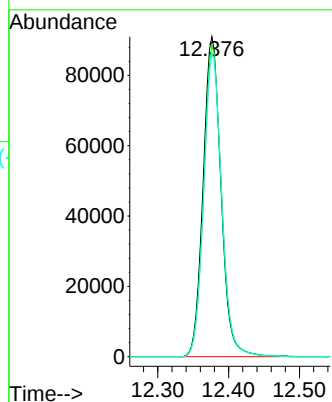
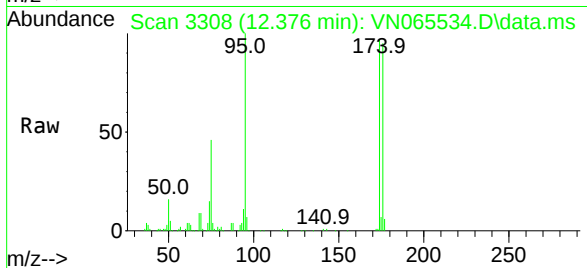




#62
4-Bromofluorobenzene
Concen: 53.61 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

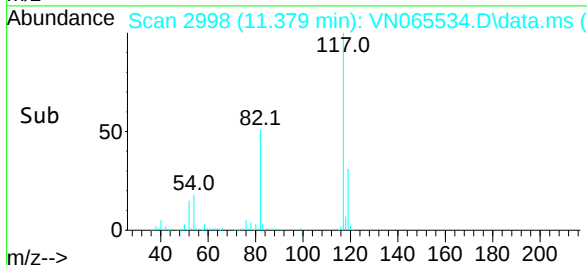
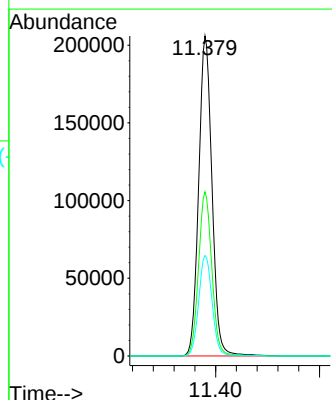
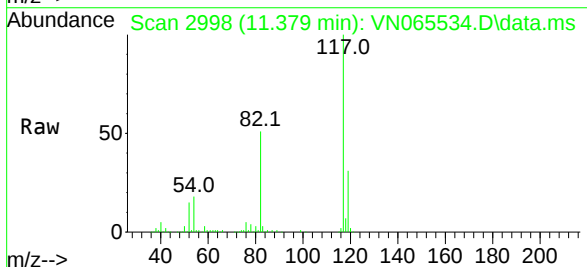
Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

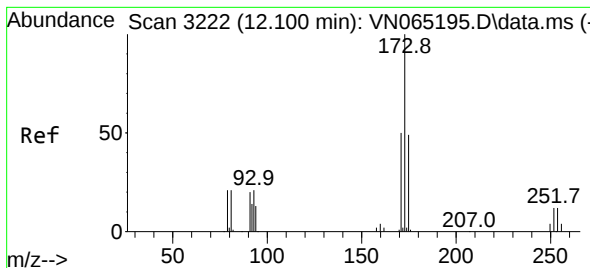
Tgt Ion: 95 Resp: 159449
Ion Ratio Lower Upper
95 100
174 97.4 0.0 160.4
176 94.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Tgt Ion: 117 Resp: 365138
Ion Ratio Lower Upper
117 100
82 51.3 44.2 66.2
119 31.4 25.8 38.6





#71

Bromoform

Concen: 0.46 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

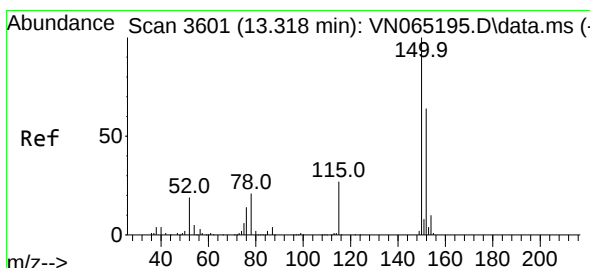
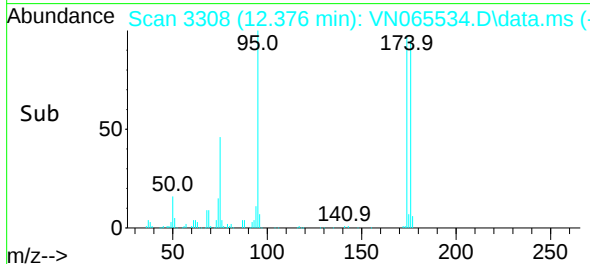
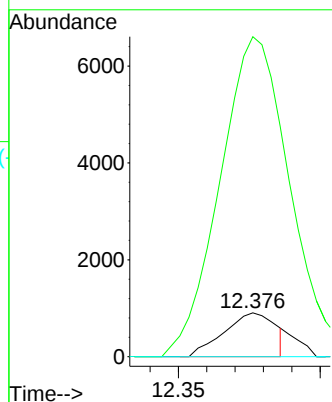
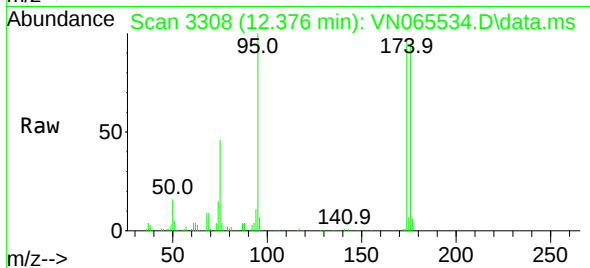
Lab File: VN065534.D

Acq: 15 Jan 2021 20:05

Tgt Ion:173 Resp: 1142

Ion	Ratio	Lower	Upper
173	100		
175	806.7	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

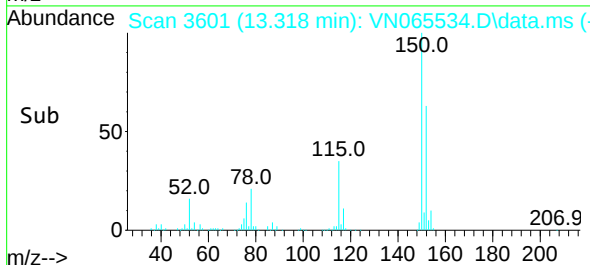
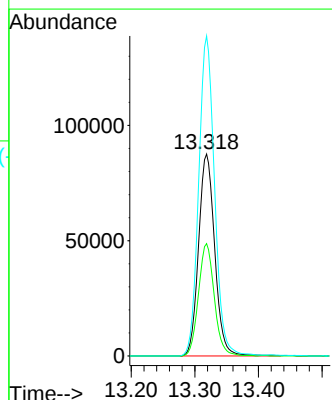
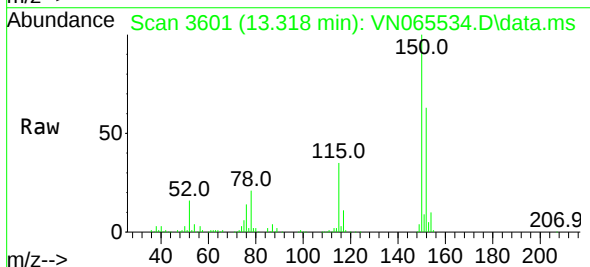
Delta R.T. 0.000 min

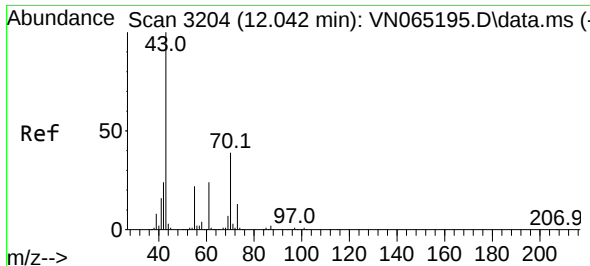
Lab File: VN065534.D

Acq: 15 Jan 2021 20:05

Tgt Ion:152 Resp: 154698

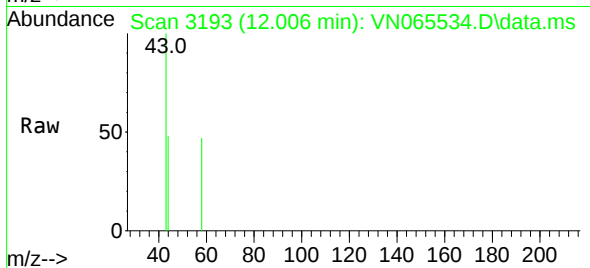
Ion	Ratio	Lower	Upper
152	100		
115	54.4	29.7	89.1
150	155.6	0.0	350.6



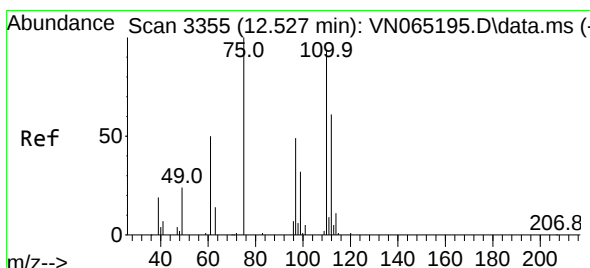
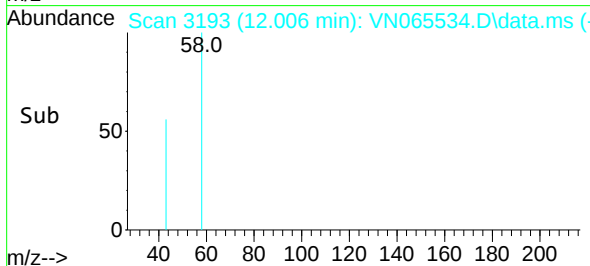
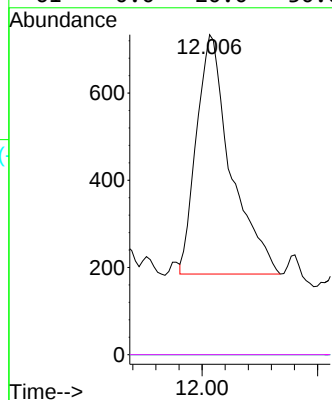


#74
N-amy1 acetate
Concen: 0.24 ug/l
RT: 12.006 min Scan# 3193
Delta R.T. -0.036 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :
BORE-3-1FT-7FT

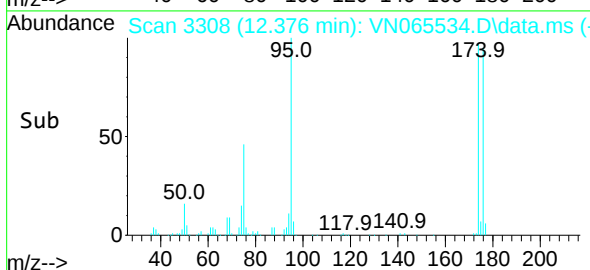
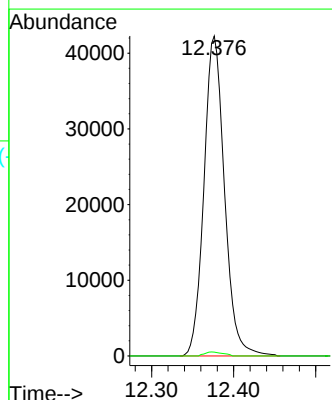
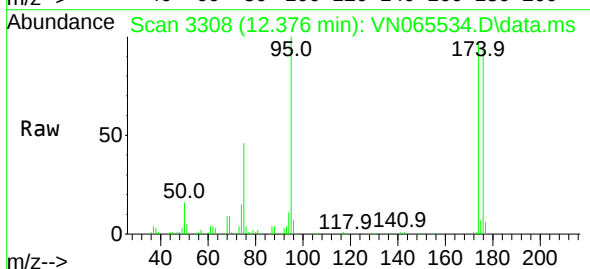


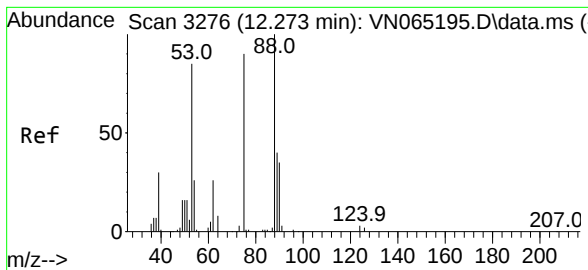
Tgt Ion:	43	Resp:	1131
Ion Ratio	100	Lower	Upper
70	0.0	34.5	51.7#
55	0.0	20.4	30.6#
61	0.0	20.0	30.0#



#76
1,2,3-Trichloropropane
Concen: 23.33 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065534.D
Acq: 15 Jan 2021 20:05

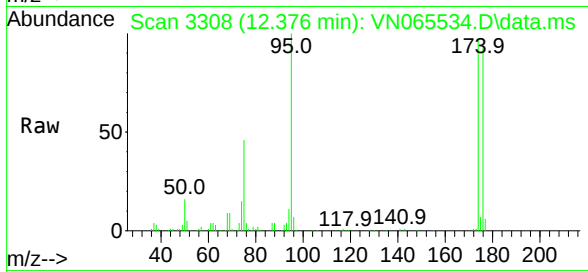
Tgt Ion:	75	Resp:	73636
Ion Ratio	100	Lower	Upper
77	1.1	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.83 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065534.D
 Acq: 15 Jan 2021 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 BORE-3-1FT-7FT



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

