

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040121\
 Data File : VN066455.D
 Acq On : 1 Apr 2021 15:00
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 02 04:51:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 01 14:08:22 2021
 Response via : Initial Calibration

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

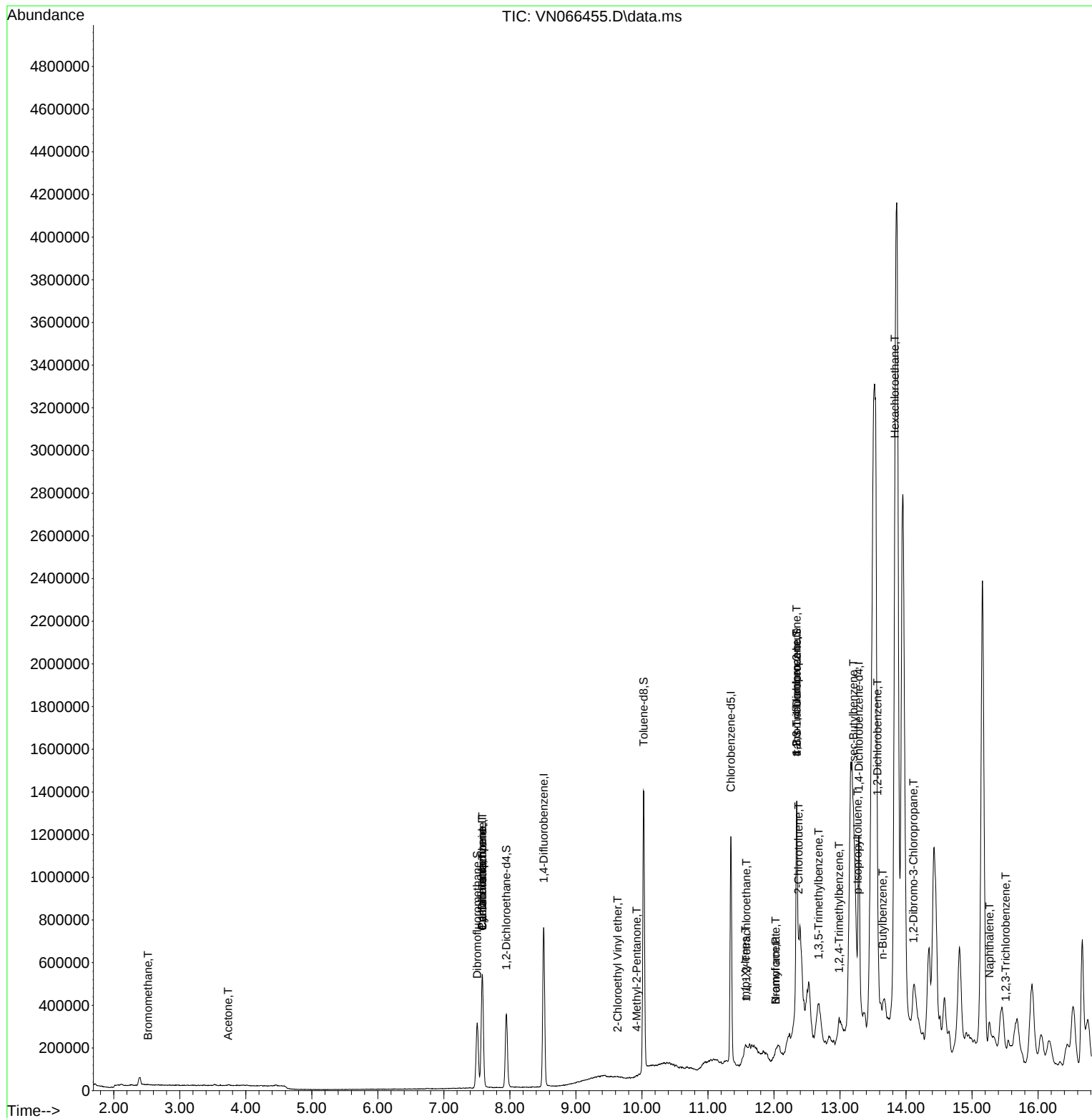
Internal Standards						
1) Pentafluorobenzene	7.582	168	461876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	681122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	613336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	248943	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	288495	46.99	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.98%		
35) Dibromofluoromethane	7.504	113	231515	51.27	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.54%		
50) Toluene-d8	10.025	98	896068	52.32	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.64%		
62) 4-Bromofluorobenzene	12.345	95	295152	49.61	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.22%		
Target Compounds						Qvalue
3) Chloromethane	2.014	50	3624	Below Cal		99
5) Bromomethane	2.521	94	1220	0.27 ug/l #		65
13) Acrolein	3.521	56	1956	Below Cal		92
16) Acetone	3.733	43	2611	0.79 ug/l #		82
20) Methylene Chloride	4.436	84	1239	Below Cal #		55
31) Cyclohexane	7.582	56	9524	1.12 ug/l #		21
36) 1,1-Dichloropropene	7.582	75	31345	4.90 ug/l #		49
38) Carbon Tetrachloride	7.584	117	41724	6.49 ug/l #		17
51) 4-Methyl-2-Pentanone	9.920	43	1433	0.20 ug/l #		37
58) 2-Chloroethyl Vinyl ether	9.633	63	89	25.70 ug/l #		49
66) 1,1,1,2-Tetrachloroethane	11.583	131	62116	13.19 ug/l #		9
68) m/p-Xylenes	11.567	106	5924	0.70 ug/l #		57
71) Bromoform	12.028	173	4161	1.06 ug/l #		29
74) N-amyl acetate	12.028	43	445	3.25 ug/l #		62
76) 1,2,3-Trichloropropane	12.345	75	155084	28.39 ug/l #		100
79) 2-Chlorotoluene	12.374	91	2898	0.23 ug/l		70
80) 1,3,5-Trimethylbenzene	12.677	105	35065	2.32 ug/l #		35
81) trans-1,4-Dichloro-2-b...	12.345	75	154803	85.22 ug/l #		12
84) 1,2,4-Trimethylbenzene	12.989	105	25443	1.73 ug/l #		39
85) sec-Butylbenzene	13.203	105	108132	6.40 ug/l #		57
86) p-Isopropyltoluene	13.267	119	100561	6.65 ug/l #		54
89) n-Butylbenzene	13.648	91	3147	0.25 ug/l #		39
90) Hexachloroethane	13.831	117	569	0.21 ug/l #		36
91) 1,2-Dichlorobenzene	13.568	146	11899	1.54 ug/l #		25
92) 1,2-Dibromo-3-Chloropr...	14.112	75	1830	1.62 ug/l #		1
95) Naphthalene	15.266	128	150909	11.63 ug/l		98
96) 1,2,3-Trichlorobenzene	15.510	180	1241	0.26 ug/l #		33

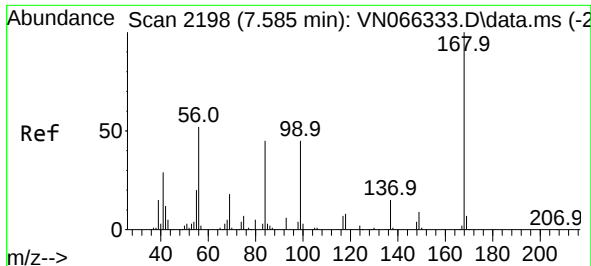
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040121\
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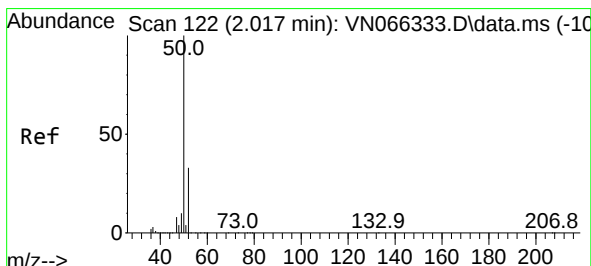
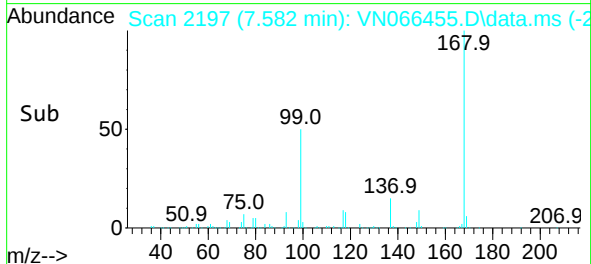
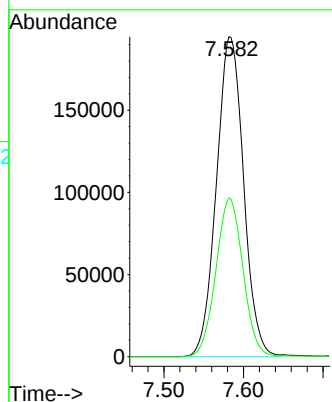
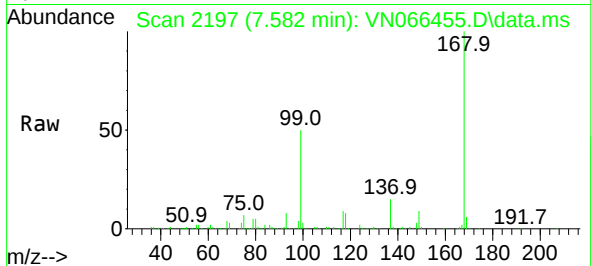




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.003 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

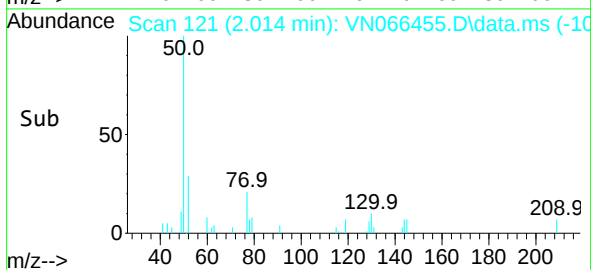
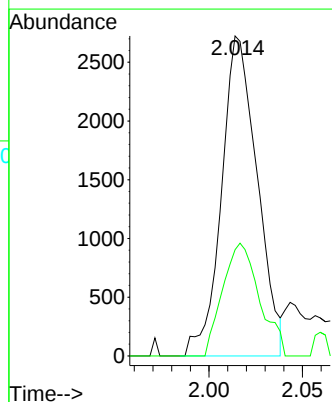
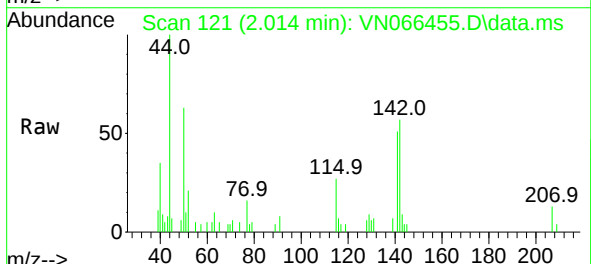
Instrument :
MSVOA_N
ClientSampleId :
IBLK

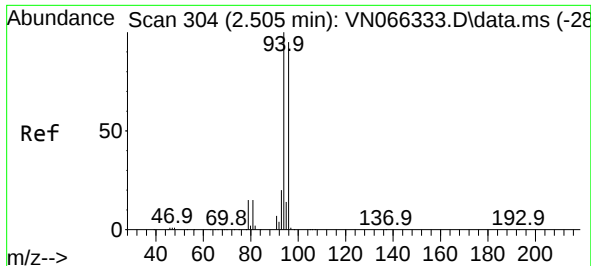
Tgt Ion:168 Resp: 461876
Ion Ratio Lower Upper
168 100
99 49.6 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 50 Resp: 3624
Ion Ratio Lower Upper
50 100
52 33.2 26.2 39.2

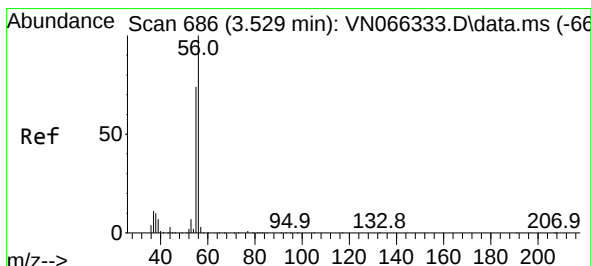
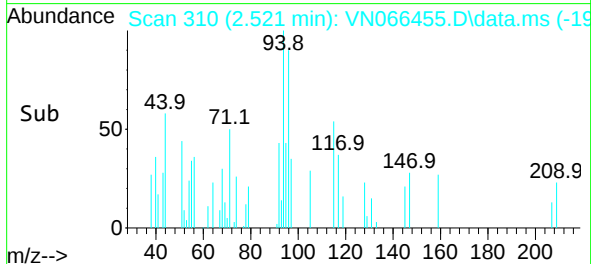
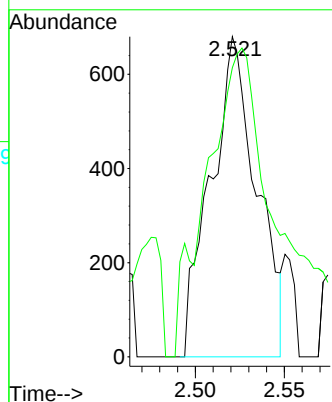
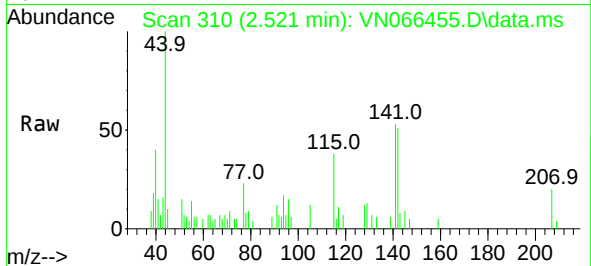




#5
Bromomethane
Concen: 0.27 ug/l
RT: 2.521 min Scan# 310
Delta R.T. 0.008 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

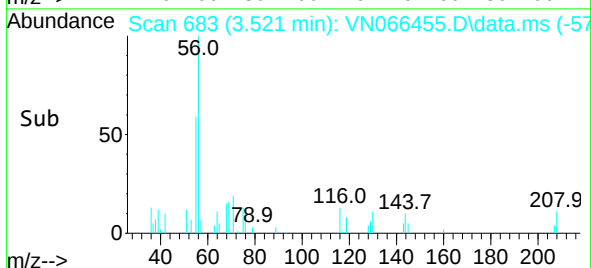
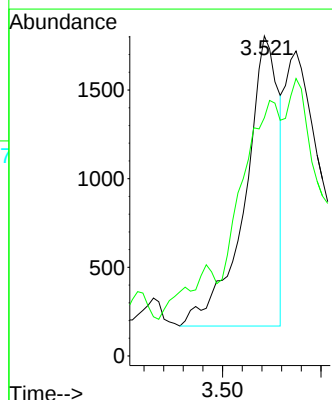
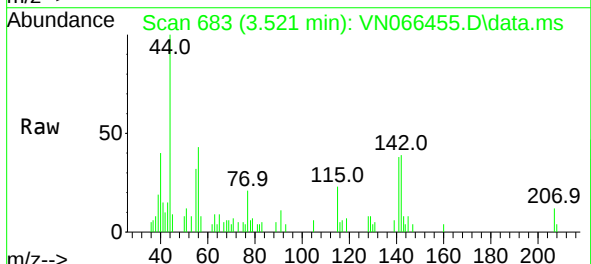
Instrument :
MSVOA_N
ClientSampleId :
IBLK

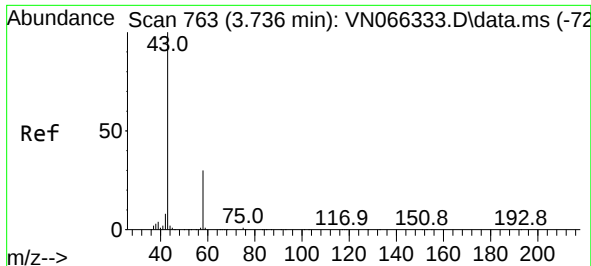
Tgt Ion: 94 Resp: 1220
Ion Ratio Lower Upper
94 100
96 60.6 75.8 113.6#



#13
Acrolein
Concen: Below Cal
RT: 3.521 min Scan# 683
Delta R.T. -0.006 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 56 Resp: 1956
Ion Ratio Lower Upper
56 100
55 65.9 57.9 86.9

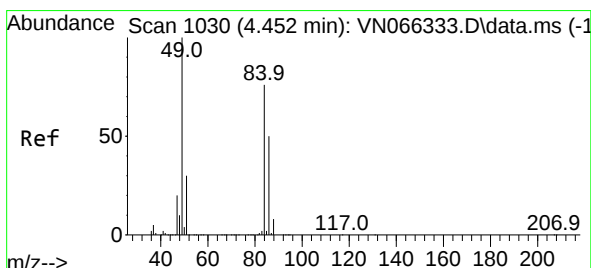
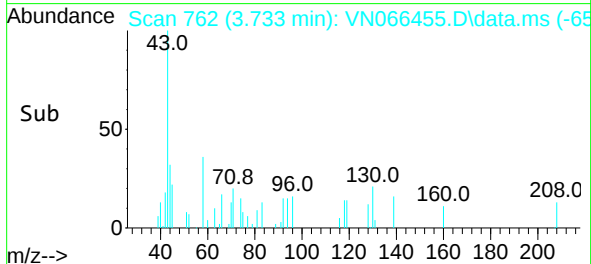
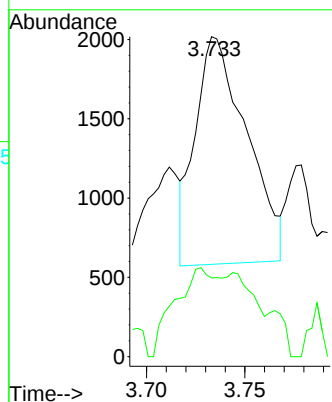
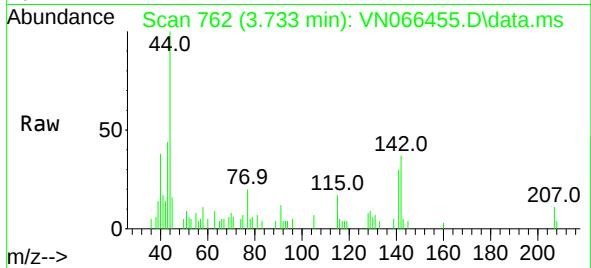




#16
Acetone
Concen: 0.79 ug/l
RT: 3.733 min Scan# 762
Delta R.T. -0.000 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

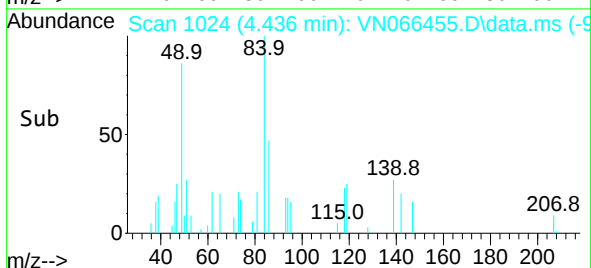
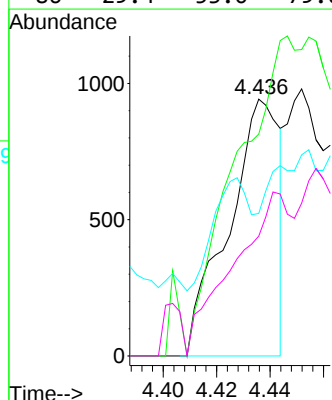
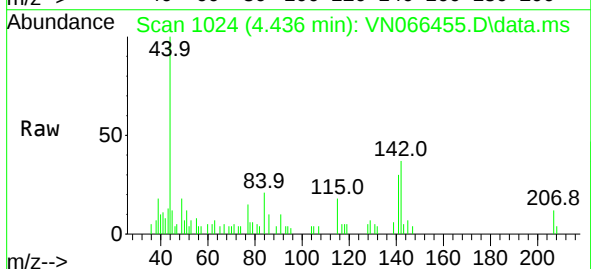
Instrument :
MSVOA_N
ClientSampled :
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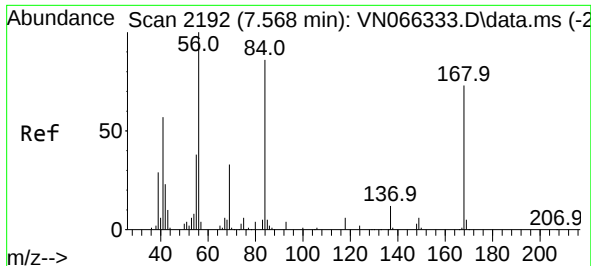
Tgt Ion: 43 Resp: 2611
Ion Ratio Lower Upper
43 100
58 20.0 23.8 35.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.436 min Scan# 1024
Delta R.T. -0.011 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

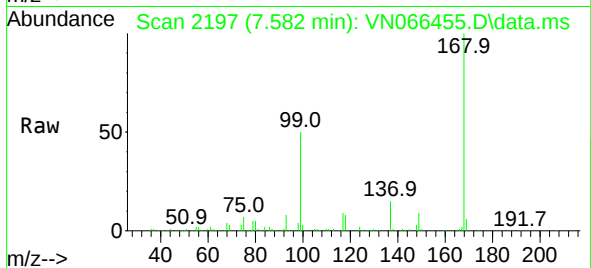
Tgt Ion: 84 Resp: 1239
Ion Ratio Lower Upper
84 100
49 70.0 105.0 157.6#
51 26.8 31.6 47.4#
86 29.4 53.0 79.6#



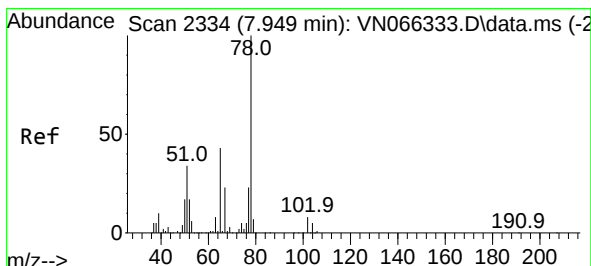
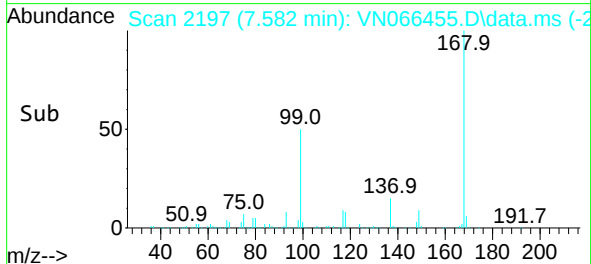
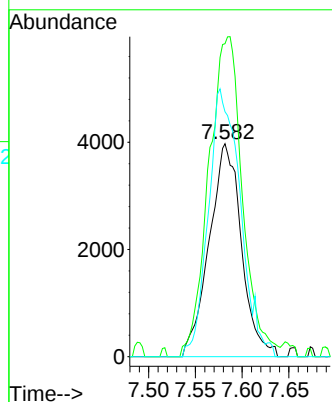


#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.016 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :
IBLK

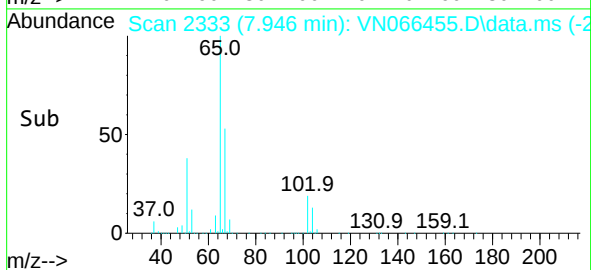
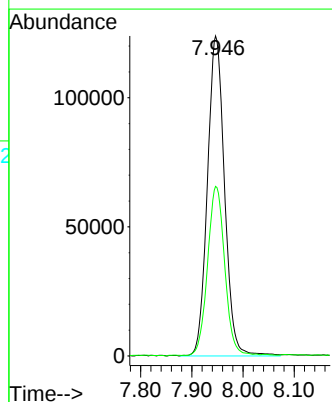
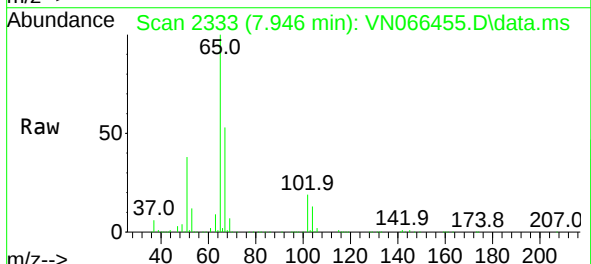


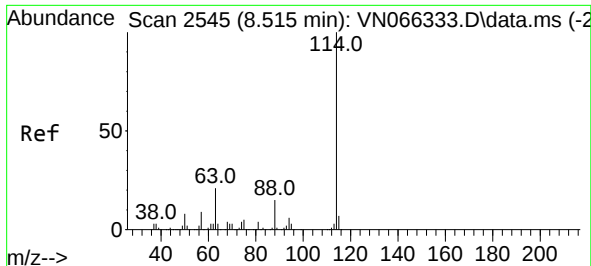
Tgt Ion: 56 Resp: 9524
Ion Ratio Lower Upper
56 100
69 147.0 26.6 40.0#
84 115.1 68.7 103.1#



#33
1,2-Dichloroethane-d4
Concen: 46.99 ug/l
RT: 7.946 min Scan# 2333
Delta R.T. 0.002 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 65 Resp: 288495
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.2

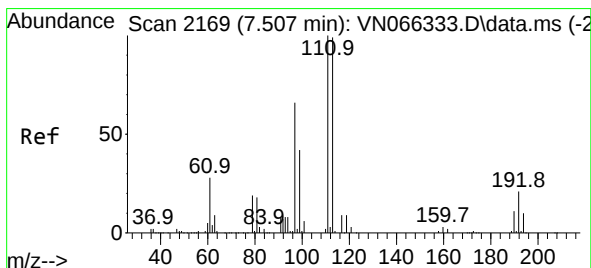
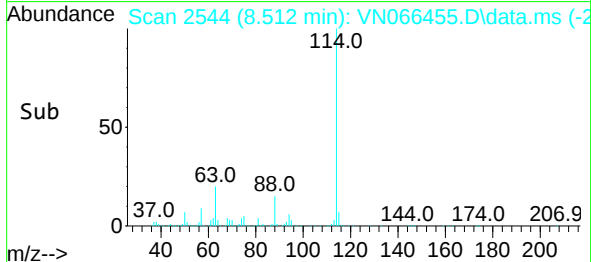
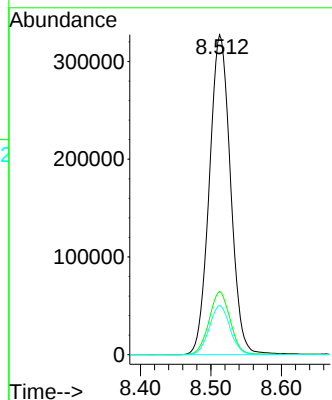
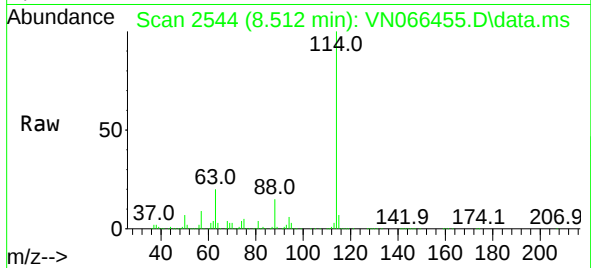




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. 0.002 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

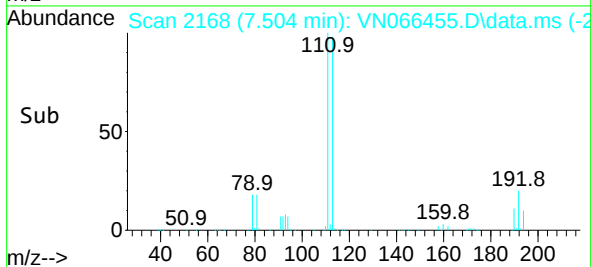
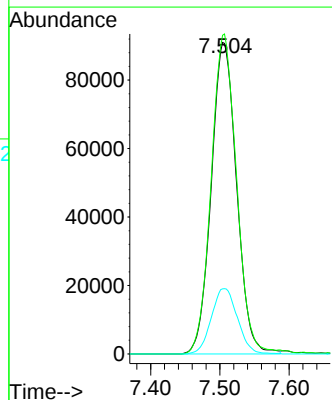
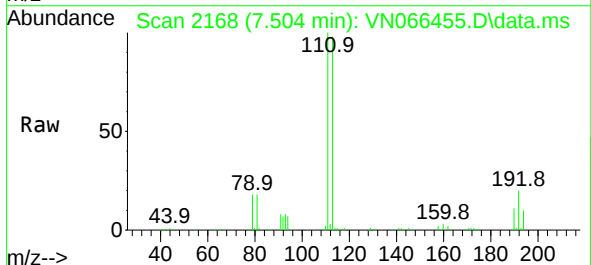
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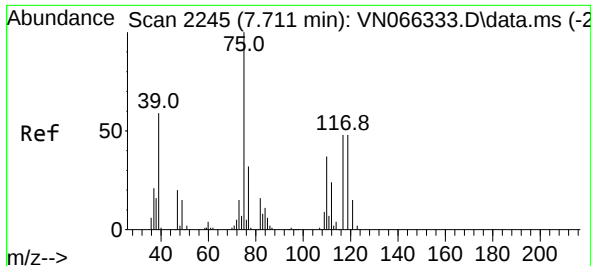
Tgt Ion:114 Resp: 681122
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.0
88 15.4 0.0 31.0



#35
Dibromofluoromethane
Concen: 51.27 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. 0.002 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion:113 Resp: 231515
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 21.6 17.1 25.7

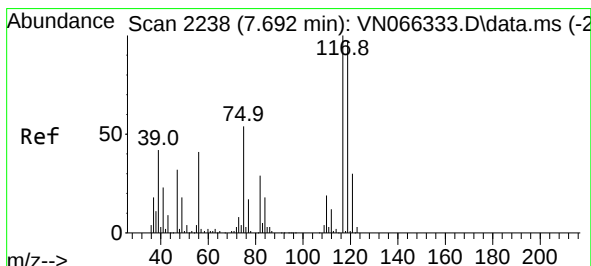
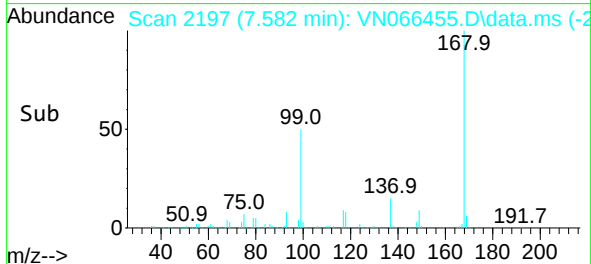
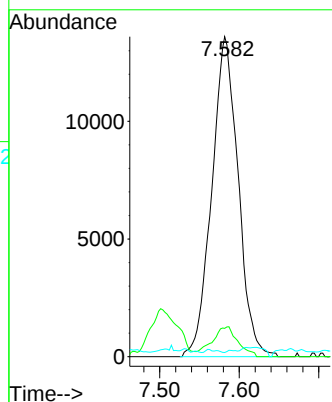
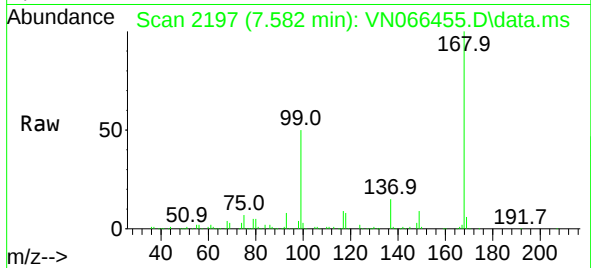




#36
1,1-Dichloropropene
Concen: 4.90 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.124 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

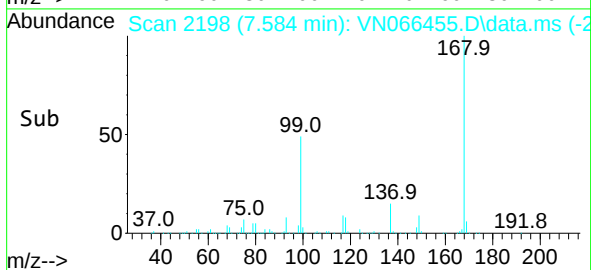
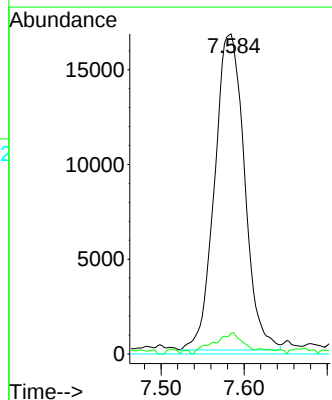
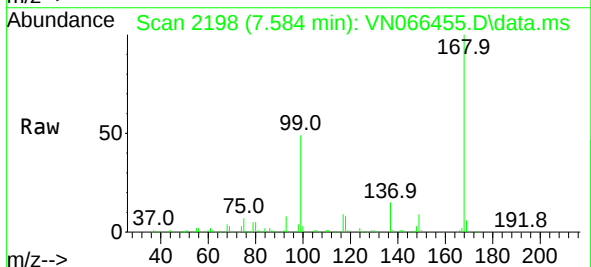
Instrument :
MSVOA_N
ClientSampled :
IBLK

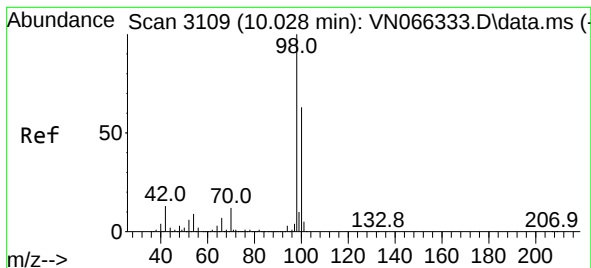
Tgt Ion: 75 Resp: 31345
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.3#
77 0.2 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.49 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.099 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 117 Resp: 41724
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 24.2 36.4#

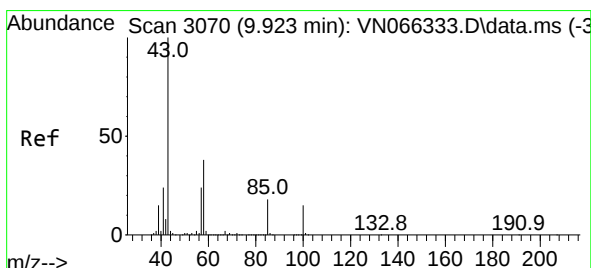
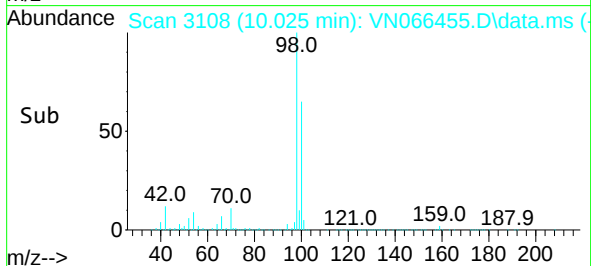
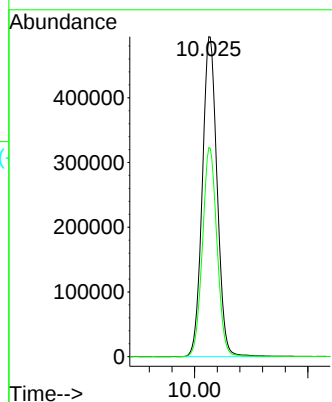
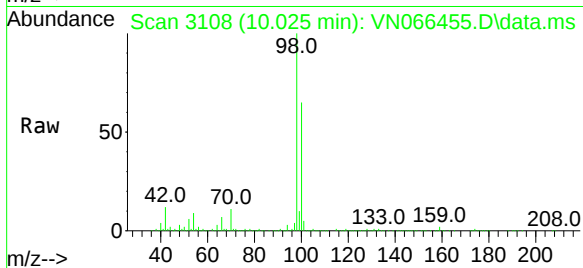




#50
Toluene-d8
Concen: 52.32 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

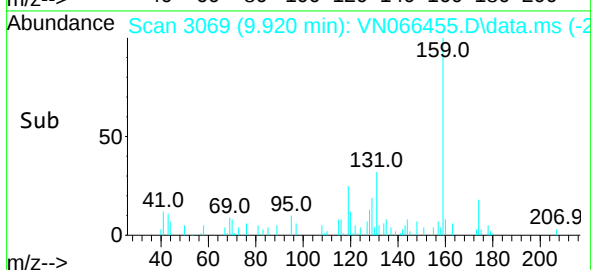
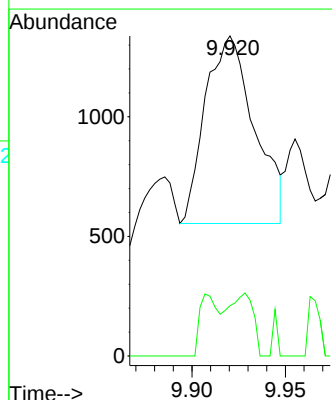
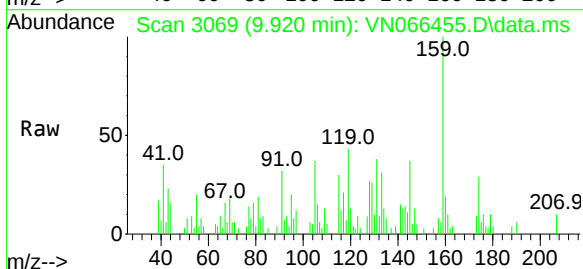
Instrument :
MSVOA_N
ClientSampled :
IBLK

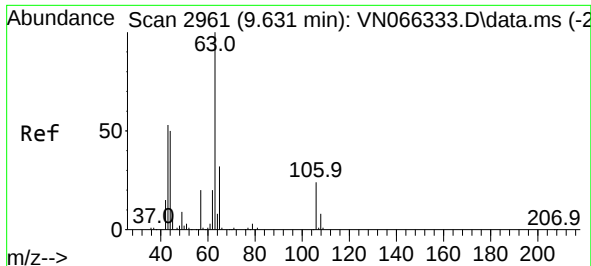
Tgt Ion: 98 Resp: 896068
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.20 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.002 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
58 0.0 30.8 46.2#

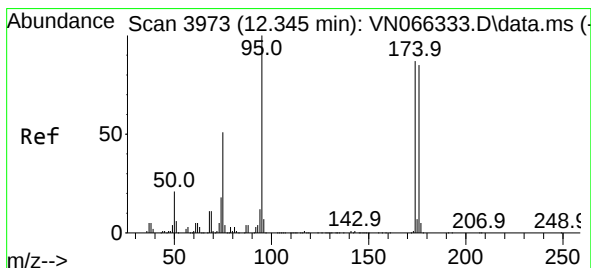
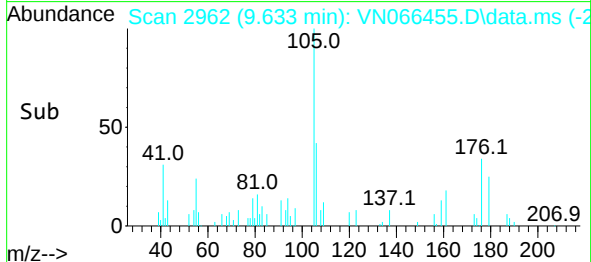
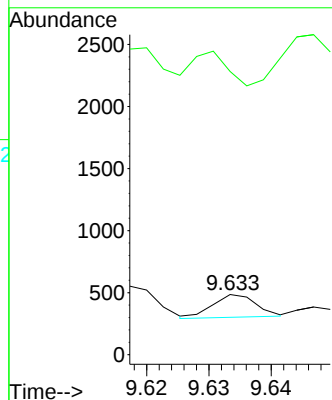
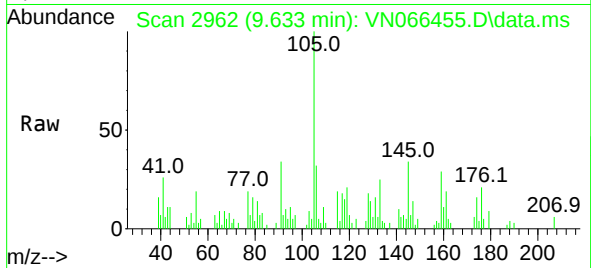




#58
2-Chloroethyl Vinyl ether
Concen: 25.70 ug/l
RT: 9.633 min Scan# 2962
Delta R.T. 0.005 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

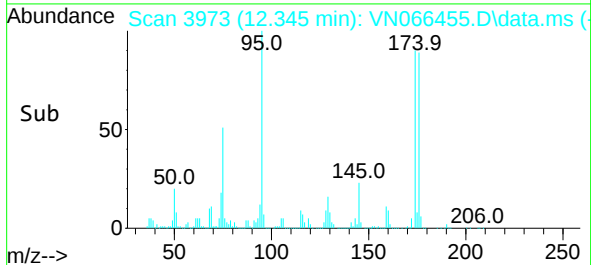
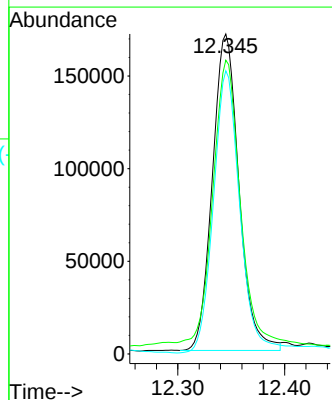
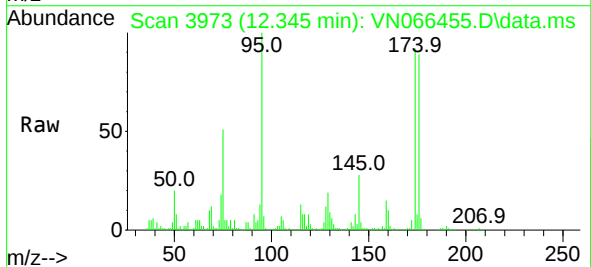
Instrument :
MSVOA_N
ClientSampled :
IBLK

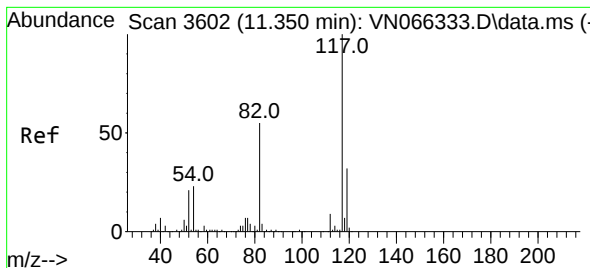
Tgt Ion: 63 Resp: 89
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.4#



#62
4-Bromofluorobenzene
Concen: 49.61 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.002 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 95 Resp: 295152
Ion Ratio Lower Upper
95 100
174 92.8 0.0 172.2
176 90.3 0.0 167.8

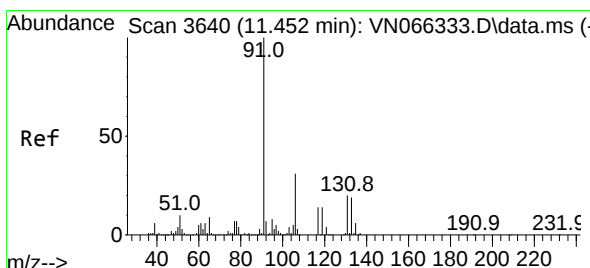
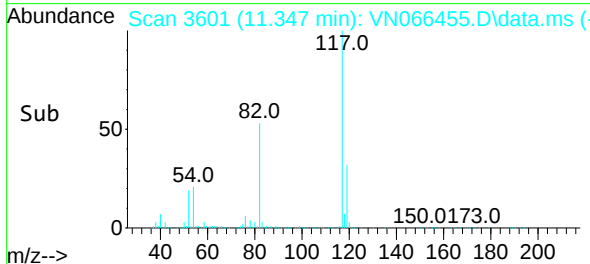
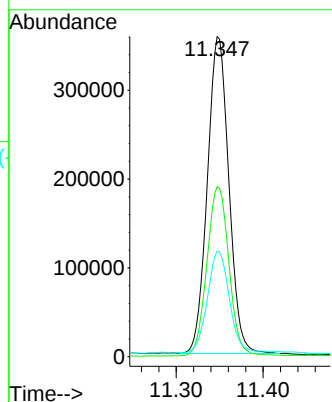
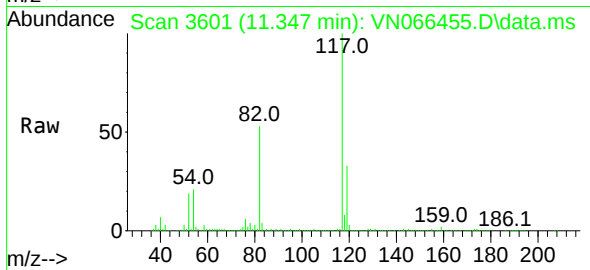




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.000 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

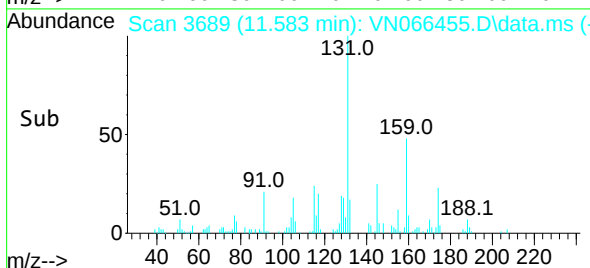
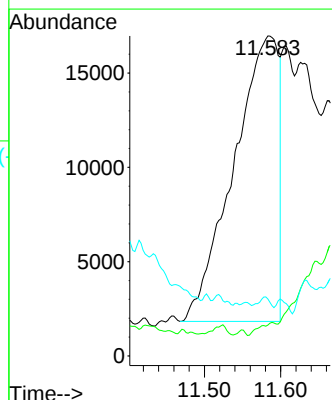
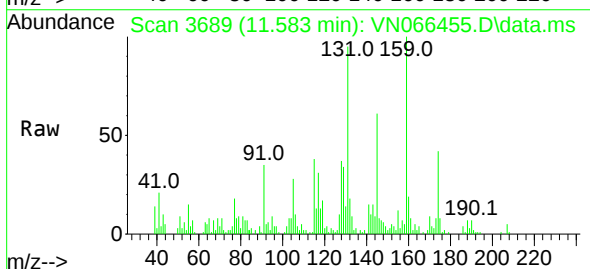
Instrument :
MSVOA_N
ClientSampleId :
IBLK

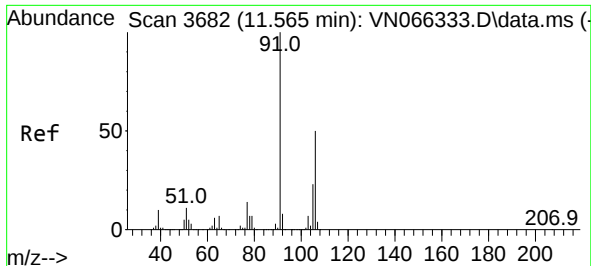
Tgt Ion:117 Resp: 613336
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.4
119 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 13.19 ug/l
RT: 11.583 min Scan# 3689
Delta R.T. 0.134 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion:131 Resp: 62116
Ion Ratio Lower Upper
131 100
133 1.8 47.6 142.8#
119 0.0 33.6 100.6#

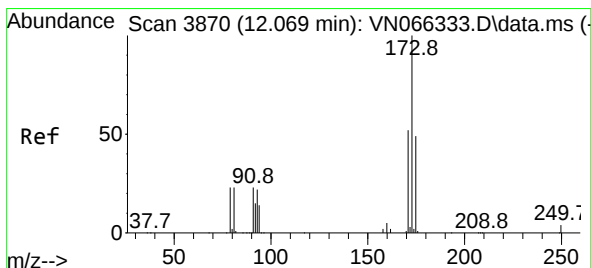
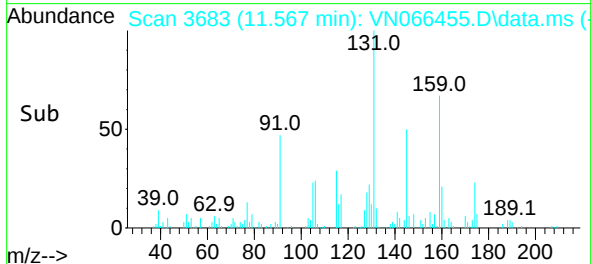
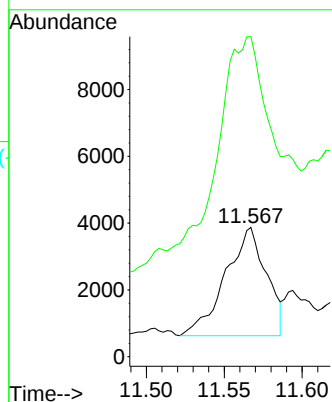
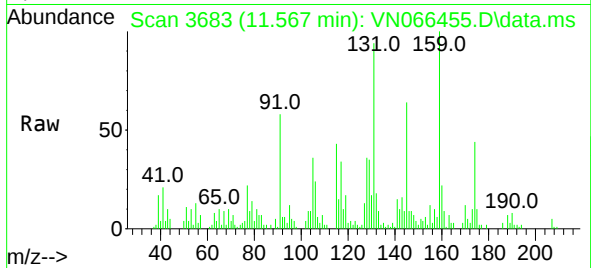




#68
m/p-Xylenes
Concen: 0.70 ug/l
RT: 11.567 min Scan# 3683
Delta R.T. 0.005 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

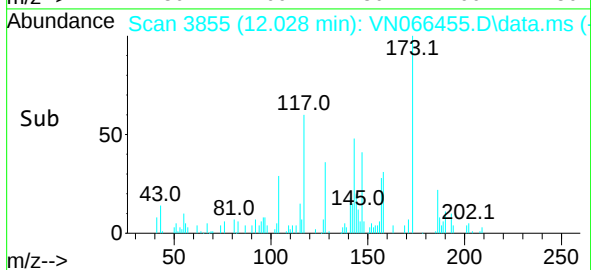
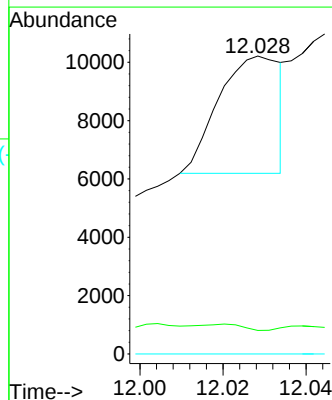
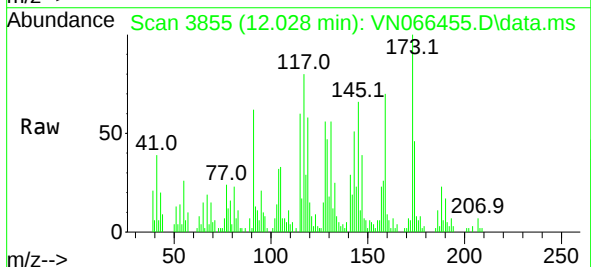
Instrument :
MSVOA_N
ClientSampled :
IBLK

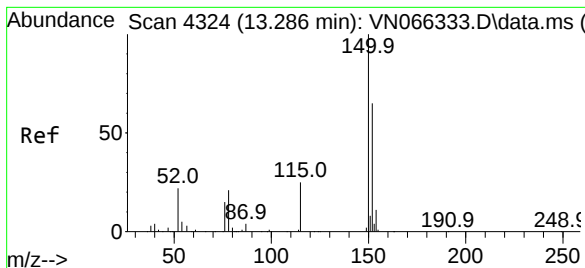
Tgt Ion:106 Resp: 5924
Ion Ratio Lower Upper
106 100
91 268.5 162.7 244.1#



#71
Bromoform
Concen: 1.06 ug/l
RT: 12.028 min Scan# 3855
Delta R.T. -0.040 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion:173 Resp: 4161
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.0 0.0

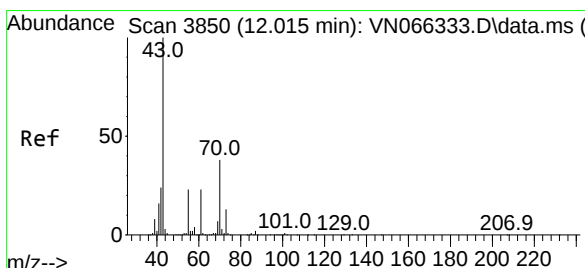
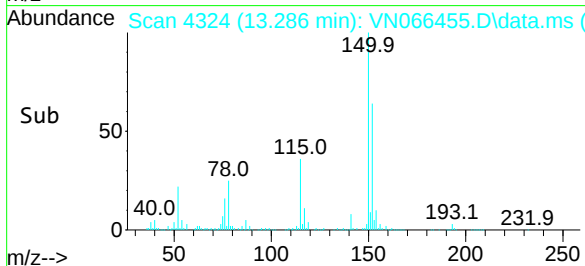
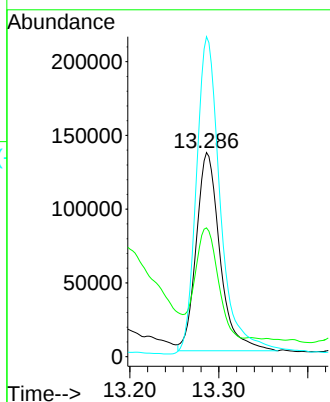
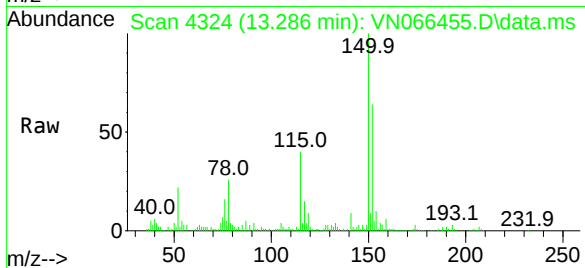




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.002 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

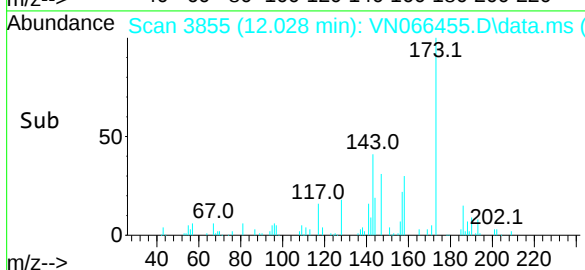
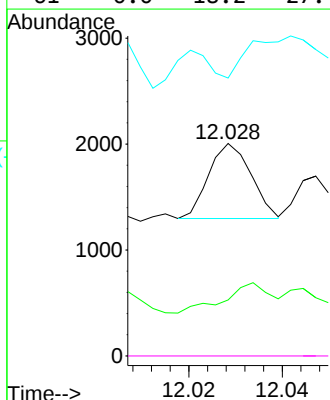
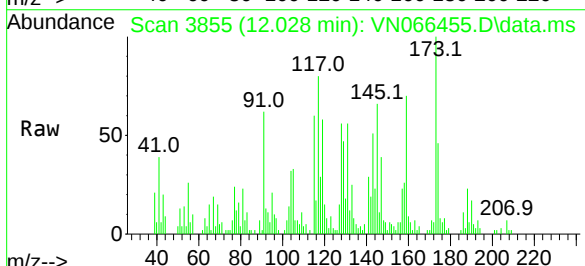
Instrument :
MSVOA_N
ClientSampled :
IBLK

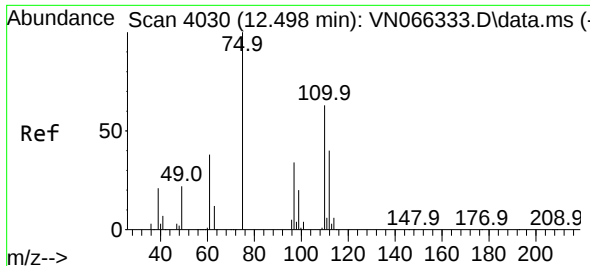
Tgt Ion:152 Resp: 248943
Ion Ratio Lower Upper
152 100
115 53.1 27.8 83.4
150 166.3 0.0 348.4



#74
N-ethyl acetate
Concen: 3.25 ug/l
RT: 12.028 min Scan# 3855
Delta R.T. 0.013 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
70 21.6 31.2 46.8#
55 45.2 18.6 28.0#
61 0.0 18.2 27.4#

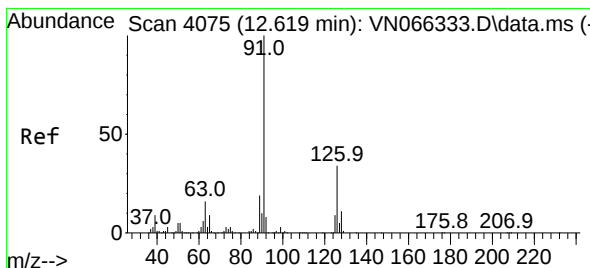
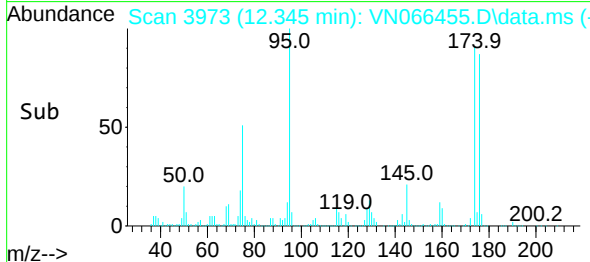
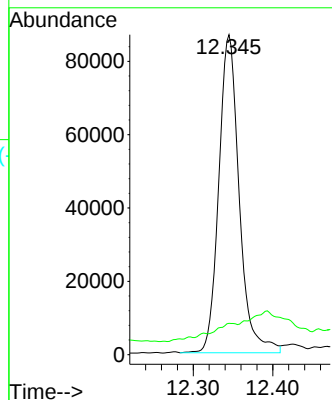
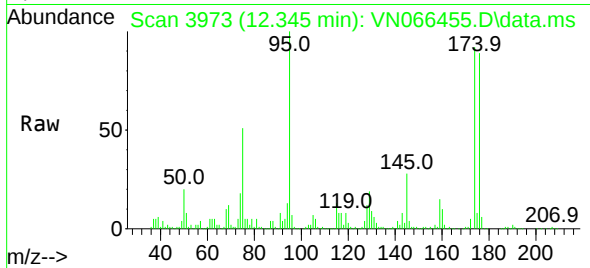




#76
1,2,3-Trichloropropane
Concen: 28.39 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

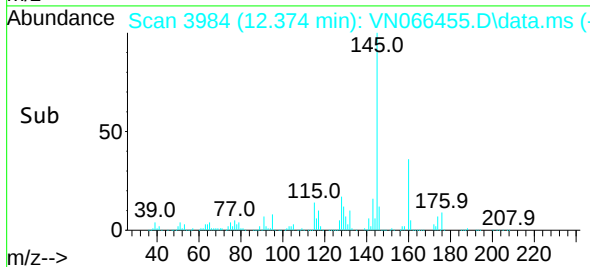
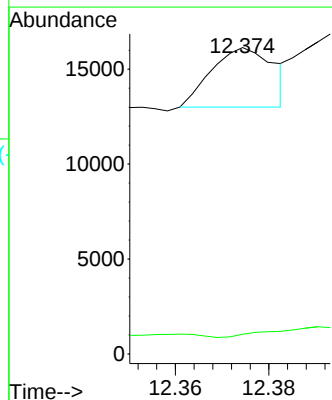
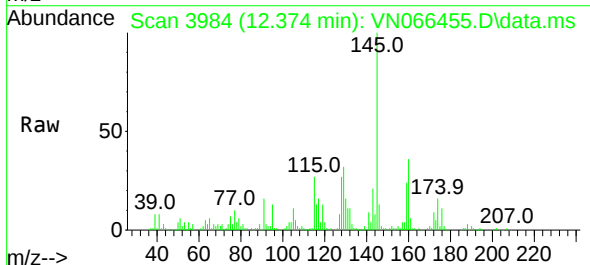
Instrument :
MSVOA_N
ClientSampled :
IBLK

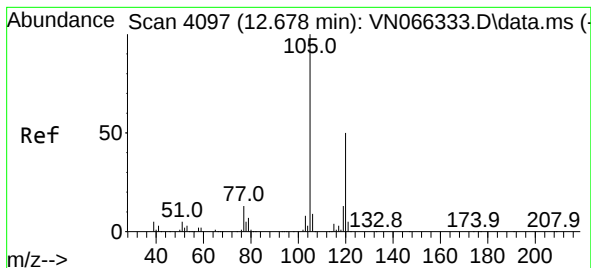
Tgt Ion: 75 Resp: 155084
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.23 ug/l
RT: 12.374 min Scan# 3984
Delta R.T. -0.242 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 91 Resp: 2898
Ion Ratio Lower Upper
91 100
126 17.2 17.2 51.5

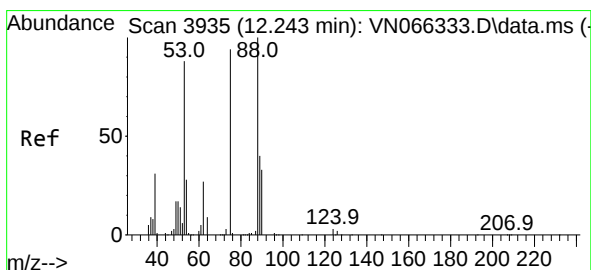
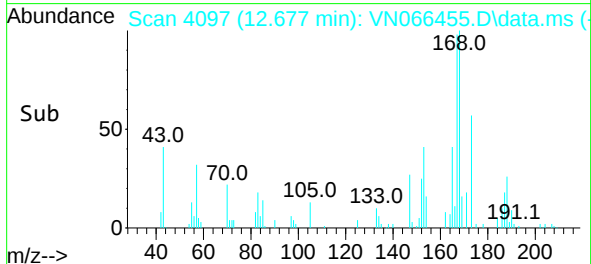
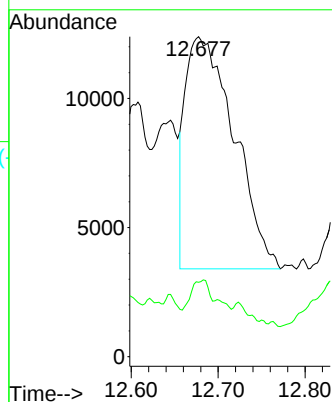
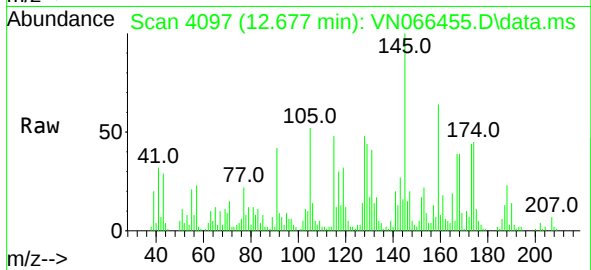




#80
1,3,5-Trimethylbenzene
Concen: 2.32 ug/l
RT: 12.677 min Scan# 4097
Delta R.T. 0.002 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

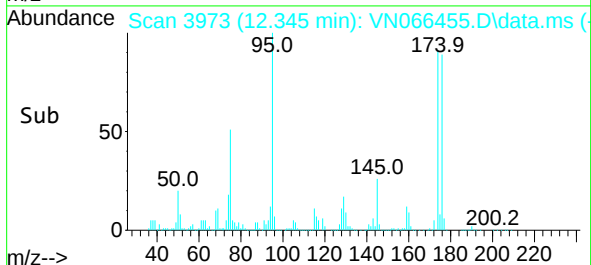
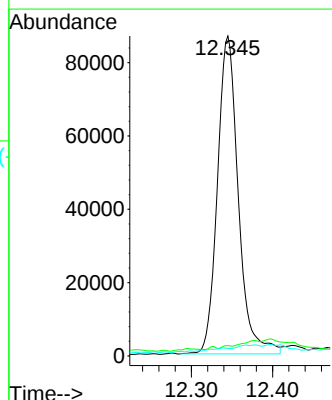
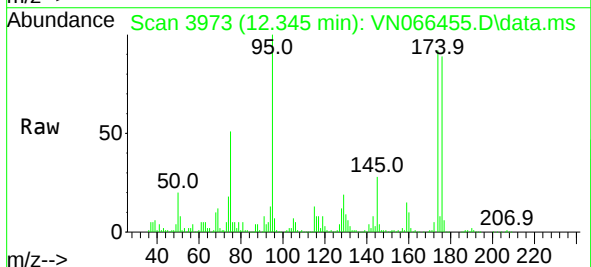
Instrument :
MSVOA_N
ClientSampleId :
IBLK

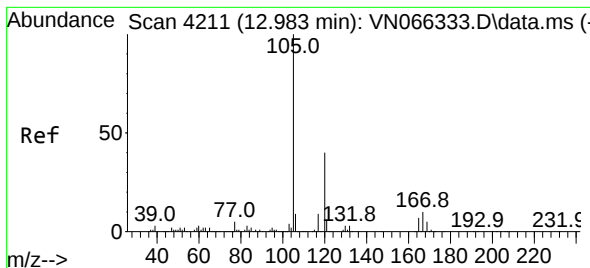
Tgt Ion:105 Resp: 35065
Ion Ratio Lower Upper
105 100
120 4.7 24.5 73.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.22 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 75 Resp: 154803
Ion Ratio Lower Upper
75 100
53 0.4 76.1 114.1#
89 0.7 35.7 53.5#





#84

1,2,4-Trimethylbenzene

Concen: 1.73 ug/l

RT: 12.989 min Scan# 4213

Delta R.T. 0.005 min

Lab File: VN066455.D

Acq: 1 Apr 2021 15:00

Tgt Ion:105 Resp: 25443

Ion Ratio Lower Upper

105 100

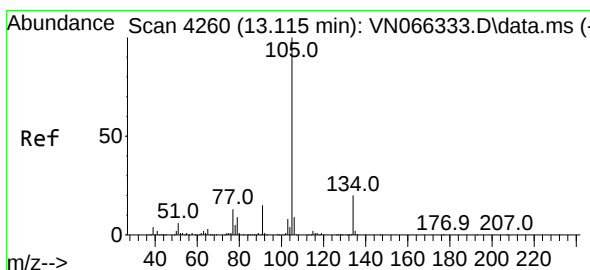
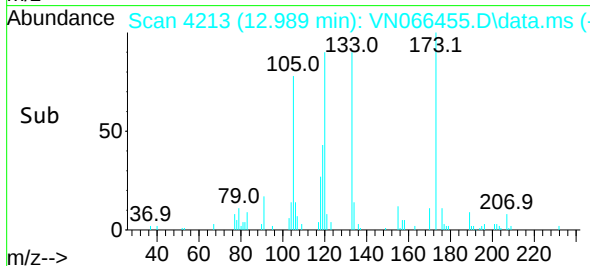
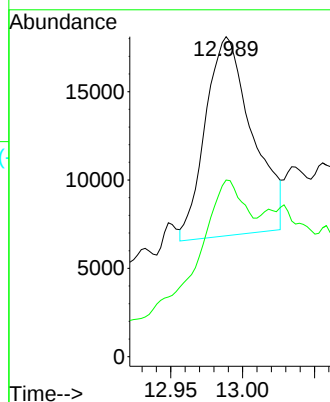
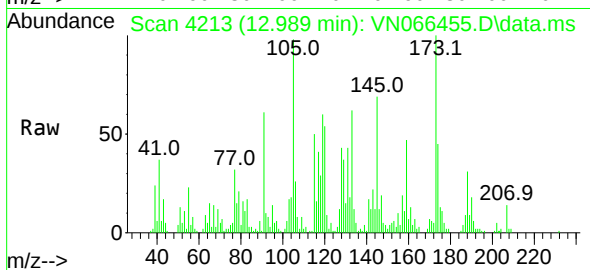
120 86.2 23.1 69.2#

Instrument :

MSVOA_N

ClientSampleId :

IBLK



#85

sec-Butylbenzene

Concen: 6.40 ug/l

RT: 13.203 min Scan# 4293

Delta R.T. 0.088 min

Lab File: VN066455.D

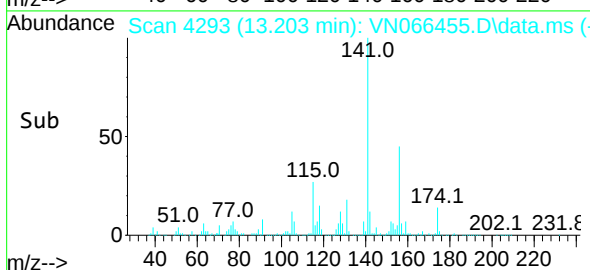
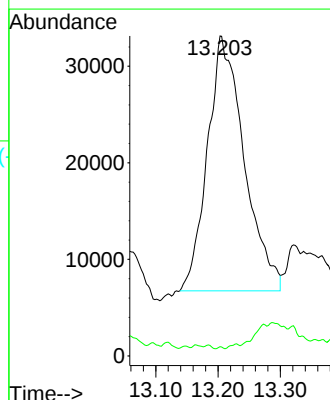
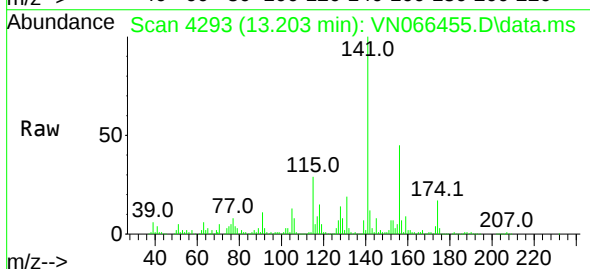
Acq: 1 Apr 2021 15:00

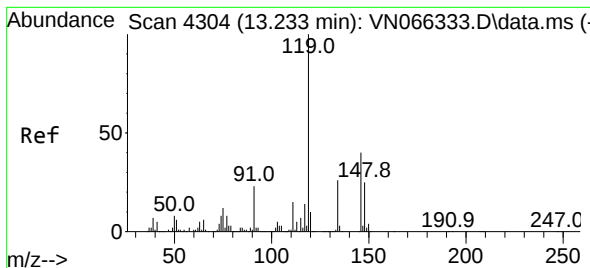
Tgt Ion:105 Resp: 108132

Ion Ratio Lower Upper

105 100

134 0.1 9.9 29.7#

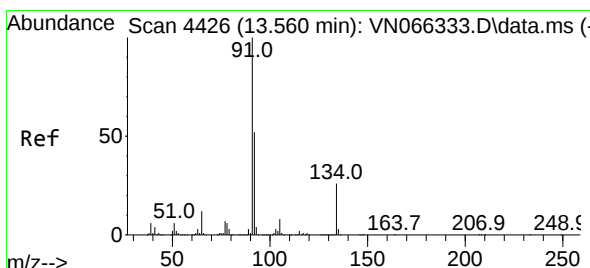
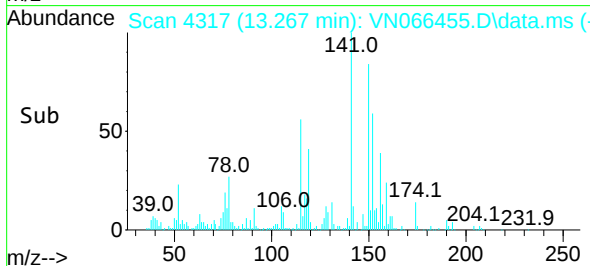
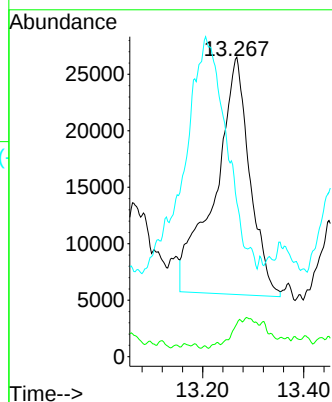
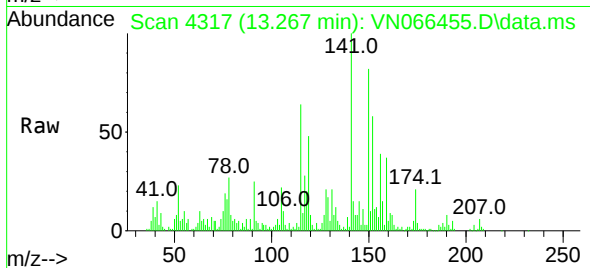




#86
p-Isopropyltoluene
Concen: 6.65 ug/l
RT: 13.267 min Scan# 4317
Delta R.T. 0.035 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

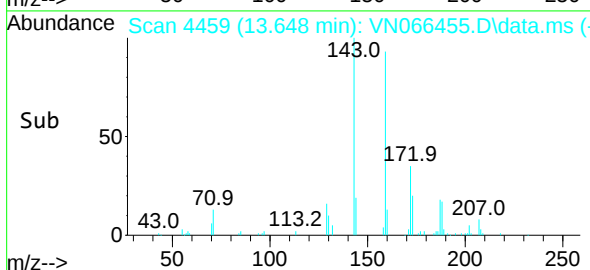
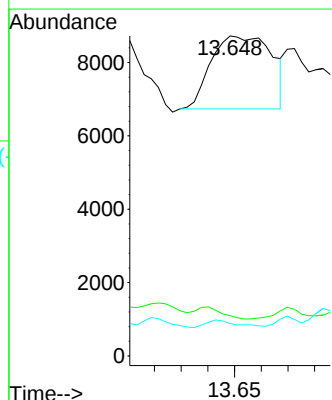
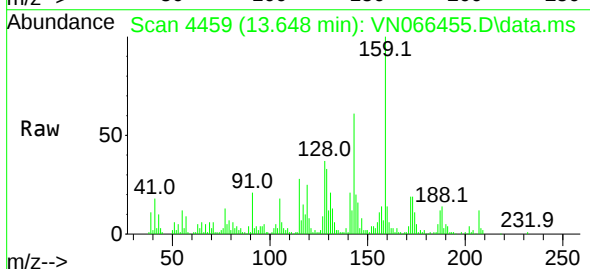
Instrument :
MSVOA_N
ClientSampleId :
IBLK

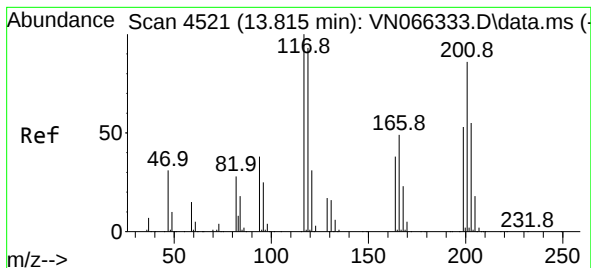
Tgt Ion:119 Resp: 100561
Ion Ratio Lower Upper
119 100
134 2.9 12.9 38.7#
91 0.0 11.5 34.5#



#89
n-Butylbenzene
Concen: 0.25 ug/l
RT: 13.648 min Scan# 4459
Delta R.T. 0.091 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion: 91 Resp: 3147
Ion Ratio Lower Upper
91 100
92 5.8 26.1 78.3#
134 0.0 12.8 38.4#

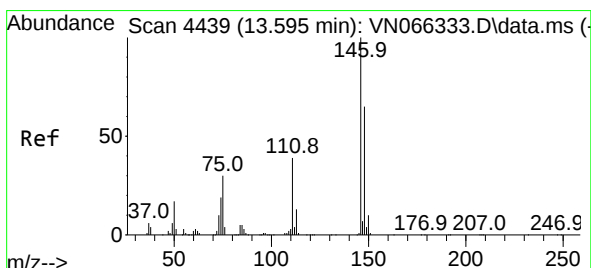
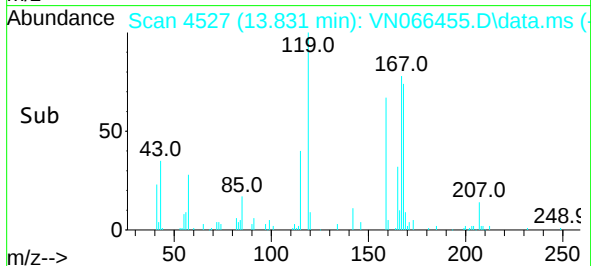
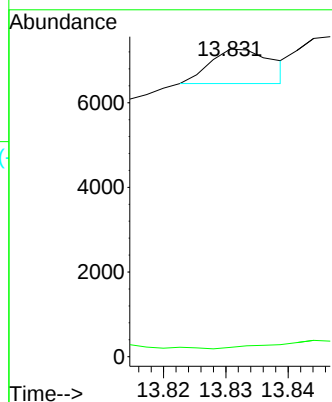
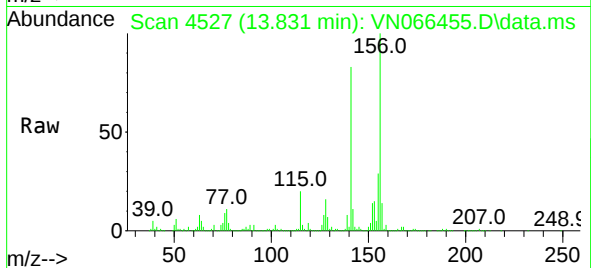




#90
Hexachloroethane
Concen: 0.21 ug/l
RT: 13.831 min Scan# 4527
Delta R.T. 0.016 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

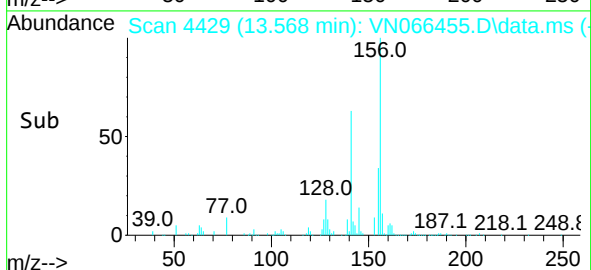
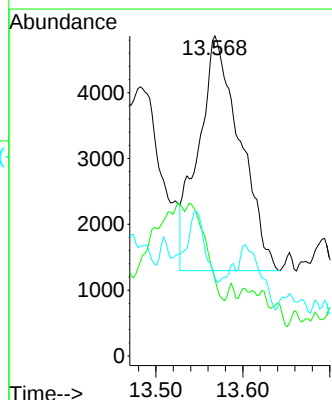
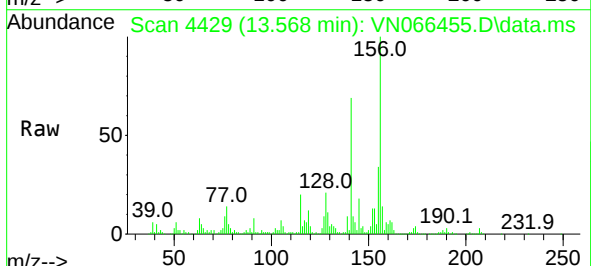
Instrument :
MSVOA_N
ClientSampled :
IBLK

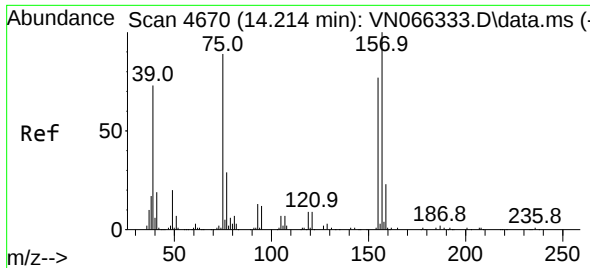
Tgt Ion:117 Resp: 569
Ion Ratio Lower Upper
117 100
201 28.3 44.0 131.8#



#91
1,2-Dichlorobenzene
Concen: 1.54 ug/l
RT: 13.568 min Scan# 4429
Delta R.T. -0.027 min
Lab File: VN066455.D
Acq: 1 Apr 2021 15:00

Tgt Ion:146 Resp: 11899
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.1#
148 0.0 32.3 96.8#

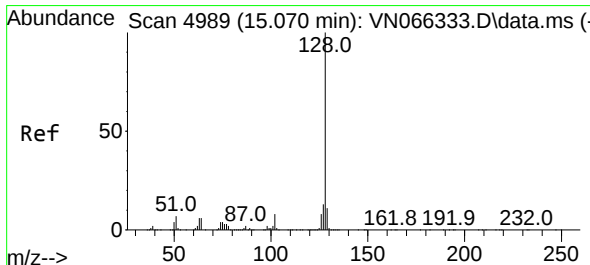
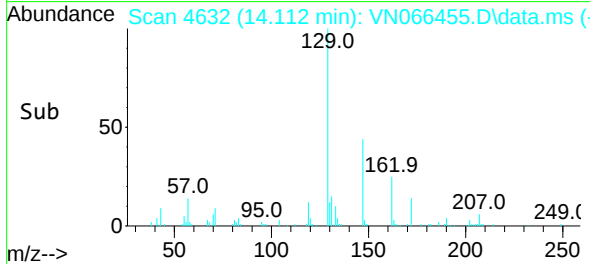
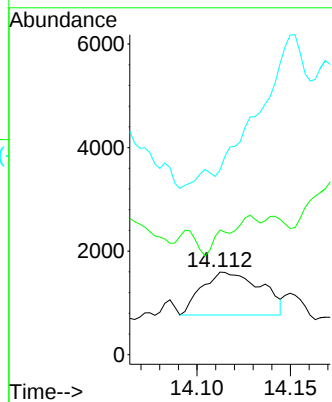
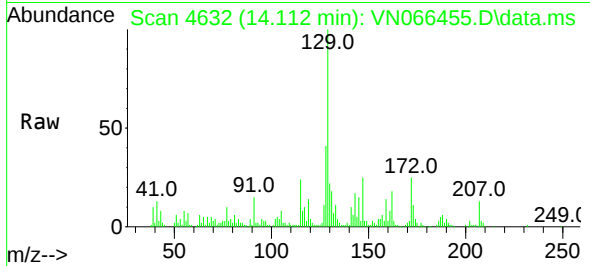




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.62 ug/l
 RT: 14.112 min Scan# 4632
 Delta R.T. -0.116 min
 Lab File: VN066455.D
 Acq: 1 Apr 2021 15:00

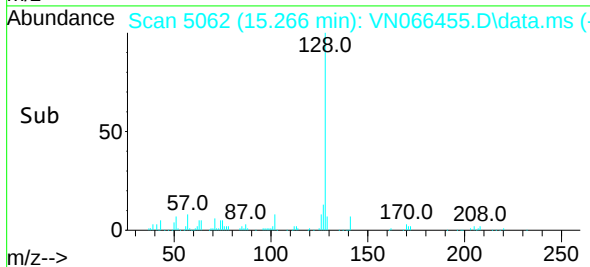
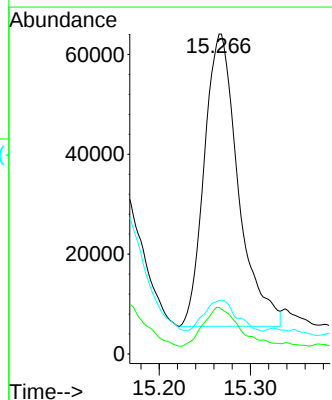
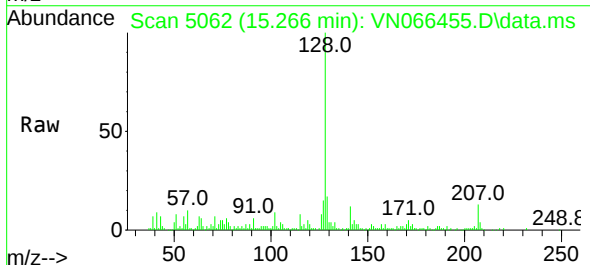
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

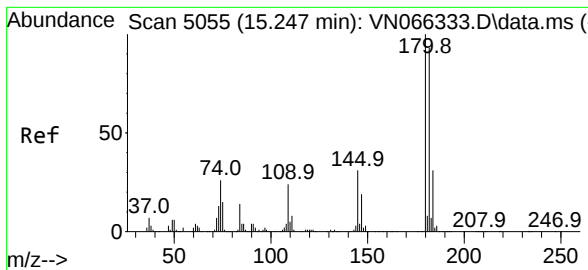
Tgt Ion: 75 Resp: 1830
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.8 131.3#
 157 0.0 57.6 172.8#



#95
 Naphthalene
 Concen: 11.63 ug/l
 RT: 15.266 min Scan# 5062
 Delta R.T. 0.005 min
 Lab File: VN066455.D
 Acq: 1 Apr 2021 15:00

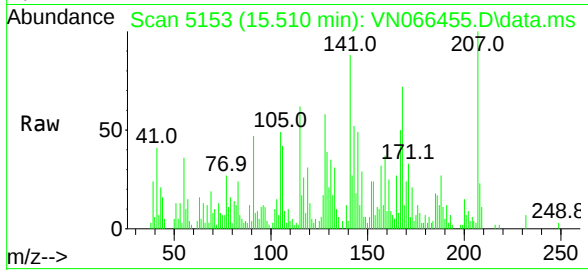
Tgt Ion:128 Resp: 150909
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.5 15.7
 129 9.8 8.5 12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 15.510 min Scan# 5153
 Delta R.T. 0.013 min
 Lab File: VN066455.D
 Acq: 1 Apr 2021 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:180 Resp: 1241

Ion	Ratio	Lower	Upper
180	100		
182	26.8	47.6	142.9#
145	0.0	15.4	46.1#

